

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050379.D
 Acq On : 6 Aug 2018 12:49
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 07 01:45:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 01:41:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	698954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1010404	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	971873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	545417	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	898176	96.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.36%	
35) Dibromofluoromethane	7.59	113	796929	98.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.60%	
50) Toluene-d8	10.09	98	3097657	101.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.24%	
62) 4-Bromofluorobenzene	12.40	95	1105061	106.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	749204	96.563	ug/l	99
3) Chloromethane	2.06	50	915935	101.410	ug/l	99
4) Vinyl Chloride	2.18	62	975257	97.111	ug/l	99
5) Bromomethane	2.54	94	483714	99.174	ug/l	100
6) Chloroethane	2.69	64	590221	95.381	ug/l	99
7) Trichlorofluoromethane	3.00	101	1235807	95.282	ug/l	99
8) Diethyl Ether	3.41	74	474518	99.763	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	760754	94.911	ug/l	100
10) Methyl Iodide	3.95	142	414493	117.369	ug/l	98
11) Tert butyl alcohol	4.80	59	385831	514.304	ug/l	99
12) 1,1-Dichloroethene	3.73	96	724731	95.910	ug/l	98
13) Acrolein	3.61	56	512193	508.230	ug/l	98
14) Allyl chloride	4.32	41	1214017	100.043	ug/l	97
15) Acrylonitrile	4.99	53	1614899	513.905	ug/l	100
16) Acetone	3.82	43	1413597	507.944	ug/l	100
17) Carbon Disulfide	4.05	76	2246834	91.441	ug/l	100
18) Methyl Acetate	4.33	43	715909	99.116	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2198815	102.520	ug/l	100
20) Methylene Chloride	4.55	84	834710	99.539	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	786055	96.128	ug/l	99
22) Diisopropyl ether	5.96	45	2536837	102.333	ug/l	98
23) Vinyl Acetate	5.90	43	9265643	523.866	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1457230	95.801	ug/l	100
25) 2-Butanone	6.84	43	2380585	514.432	ug/l	99
26) 2,2-Dichloropropane	6.82	77	1173222	93.562	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	895878	98.846	ug/l	100
28) Bromochloromethane	7.20	49	662464	94.609	ug/l	99
29) Tetrahydrofuran	7.22	42	1265785	511.029	ug/l	100
30) Chloroform	7.37	83	1461770	96.130	ug/l	100
31) Cyclohexane	7.65	56	1343167	100.972	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1266922	97.012	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1147377	103.351	ug/l	100
37) Ethyl Acetate	6.93	43	843455	105.500	ug/l	99
38) Carbon Tetrachloride	7.77	117	1128342	97.428	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1307883	107.928	ug/l	98
40) Benzene	8.04	78	3431457	100.538	ug/l	99
41) Methacrylonitrile	7.18	41	458340	107.812	ug/l #	80
42) 1,2-Dichloroethane	8.13	62	1075101	99.221	ug/l	100
43) Isopropyl Acetate	8.17	43	1460635	105.832	ug/l #	87
44) Trichloroethene	8.84	130	904679	98.645	ug/l	99
45) 1,2-Dichloropropane	9.12	63	895078	99.748	ug/l	98
46) Dibromomethane	9.21	93	554548	100.077	ug/l	99
47) Bromodichloromethane	9.40	83	1147674	99.995	ug/l	99
48) Methyl methacrylate	9.20	41	732254	105.860	ug/l	98
49) 1,4-Dioxane	9.20	88	225665	2116.433	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	5342365	537.489	ug/l	99
52) Toluene	10.16	92	2155782	105.153	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1250617	108.525	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1375107	106.920	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	800457	100.007	ug/l	99
56) Ethyl methacrylate	10.43	69	1158078	100.454	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1357065	103.296	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2682717	500.498	ug/l	100
59) 2-Hexanone	10.75	43	3797941	547.518	ug/l	98
60) Dibromochloromethane	10.90	129	917285	104.029	ug/l	98
61) 1,2-Dibromoethane	11.01	107	830637	105.285	ug/l	98
64) Tetrachloroethene	10.63	164	887347	97.715	ug/l	99
65) Chlorobenzene	11.44	112	2373614	97.419	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	871951	98.328	ug/l	99
67) Ethyl Benzene	11.51	91	4174171	105.985	ug/l	100
68) m/p-Xylenes	11.62	106	3216866	214.549	ug/l	100
69) o-Xylene	11.95	106	1543622	106.875	ug/l	100
70) Styrene	11.97	104	2603012	110.826	ug/l	99
71) Bromoform	12.13	173	682489	105.305	ug/l #	99
73) Isopropylbenzene	12.25	105	4118549	100.594	ug/l	100
74) N-amyl acetate	12.07	43	1367927	103.076	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1100747	93.187	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	1370795	138.849	ug/l #	100
77) Bromobenzene	12.53	156	1071397	97.680	ug/l	99
78) n-propylbenzene	12.59	91	4786661	103.286	ug/l	100
79) 2-Chlorotoluene	12.68	91	2820420	98.539	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3436137	103.388	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	312312	111.148	ug/l	97
82) 4-Chlorotoluene	12.77	91	2882714	100.994	ug/l	99
83) tert-Butylbenzene	12.99	119	2945934	101.607	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3532002	104.908	ug/l	99
85) sec-Butylbenzene	13.17	105	3954965	102.345	ug/l	100
86) p-Isopropyltoluene	13.29	119	3509615	105.974	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1924799	98.525	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1897104	97.244	ug/l	99
89) n-Butylbenzene	13.62	91	2985773	105.903	ug/l	99
90) Hexachloroethane	13.88	117	558108	94.772	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1868152	95.398	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	189023	94.246	ug/l	96

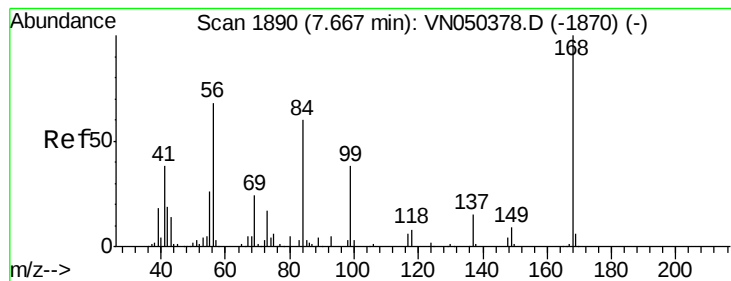
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1073824	107.656	ug/l	98
94) Hexachlorobutadiene	15.01	225	545949	101.907	ug/l	99
95) Naphthalene	15.14	128	2637341	96.253	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1010545	100.206	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

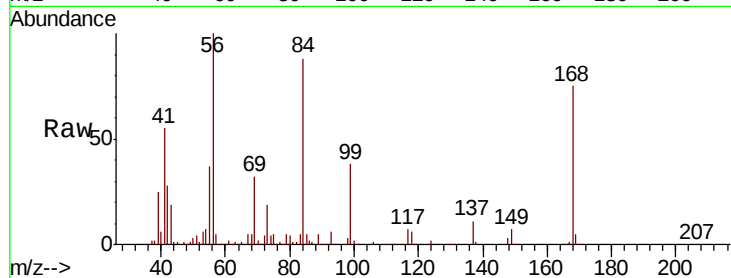
VSTDIC100

Tot Ion:168 Resp: 698954

Ion Ratio Lower Upper

168 100

99 50.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

300000

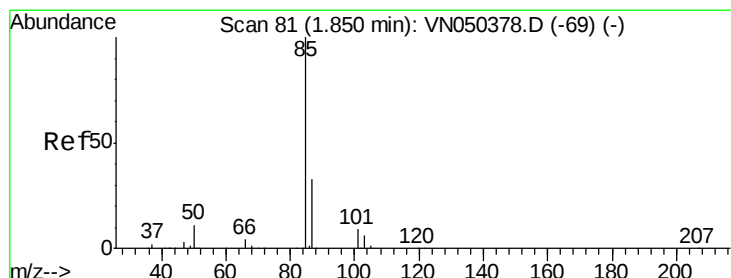
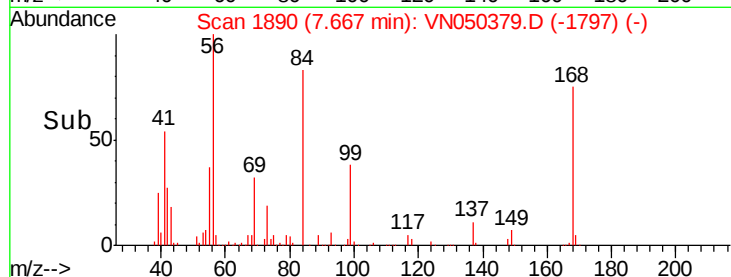
200000

100000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 96.563 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050379.D

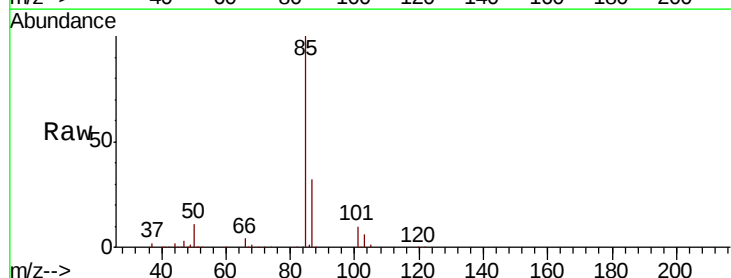
Acq: 6 Aug 2018 12:49

Tgt Ion: 85 Resp: 749204

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

600000

500000

400000

300000

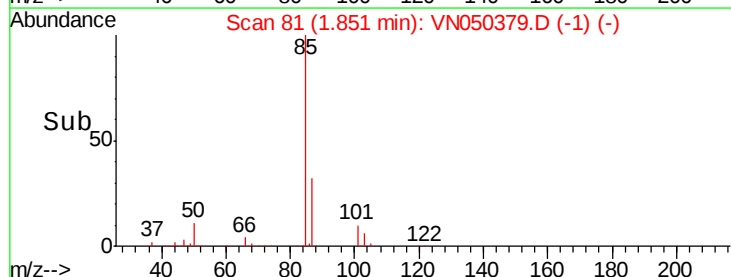
200000

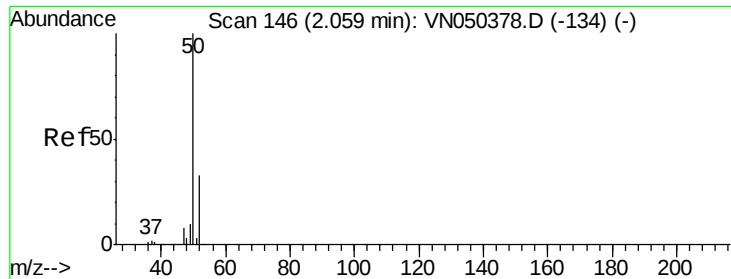
100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 101.410 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

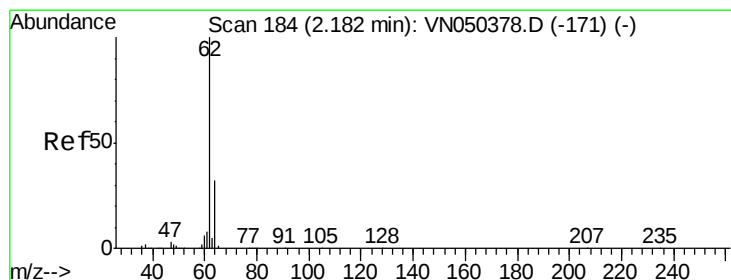
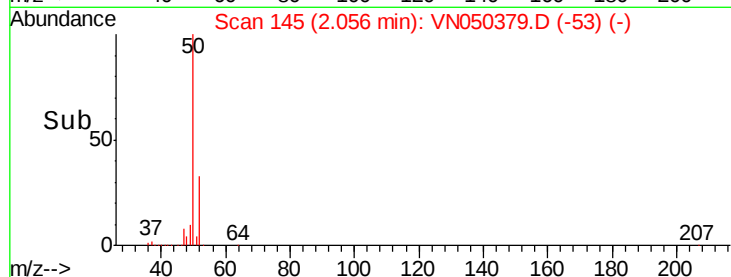
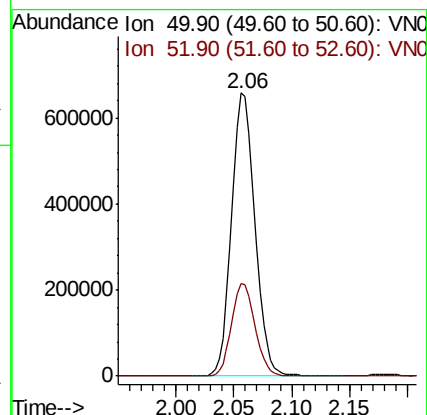
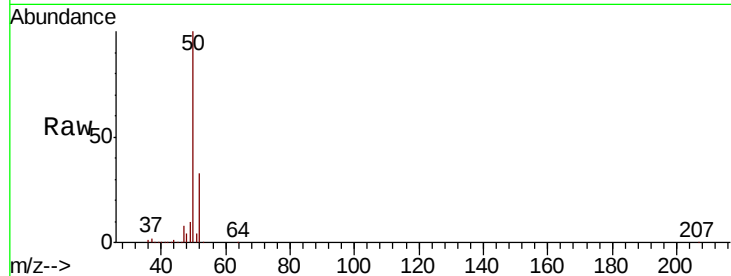
VSTDIC100

Tot Ion: 50 Resp: 915935

Ion Ratio Lower Upper

50 100

52 32.8 25.9 38.9



#4

Vinyl Chloride

Concen: 97.111 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050379.D

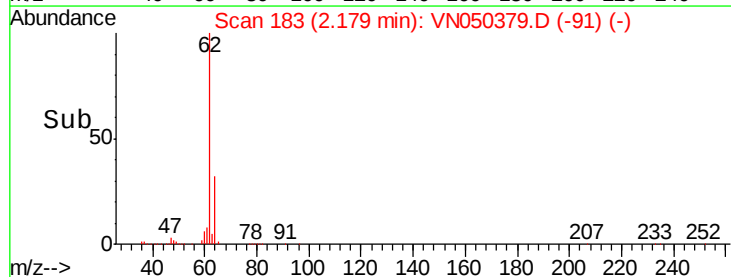
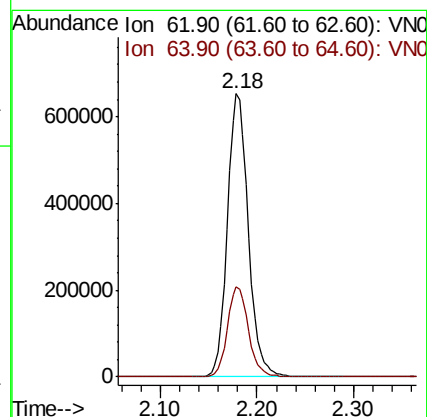
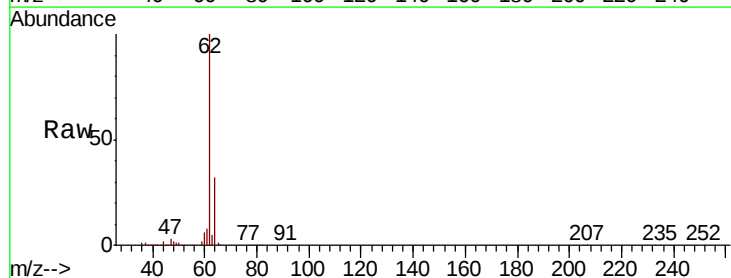
Acq: 6 Aug 2018 12:49

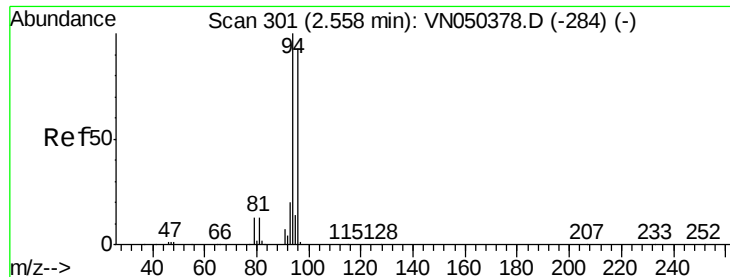
Tgt Ion: 62 Resp: 975257

Ion Ratio Lower Upper

62 100

64 31.6 24.7 37.1





#5

Bromomethane

Concen: 99.174 ug/l

RT: 2.54 min Scan# 296

Delta R.T. -0.02 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

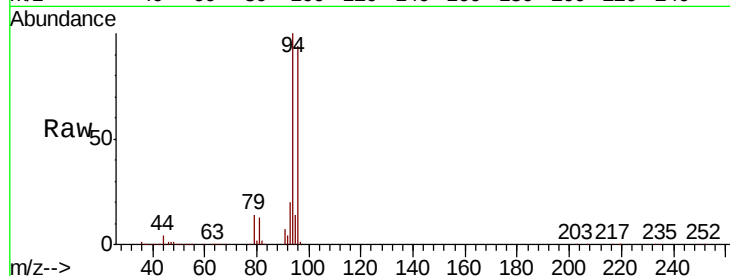
VSTDIC100

Tot Ion: 94 Resp: 483714

Ion Ratio Lower Upper

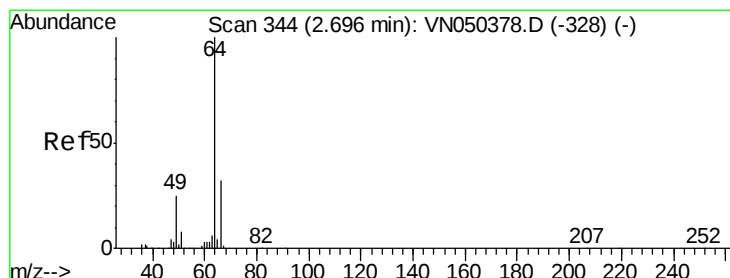
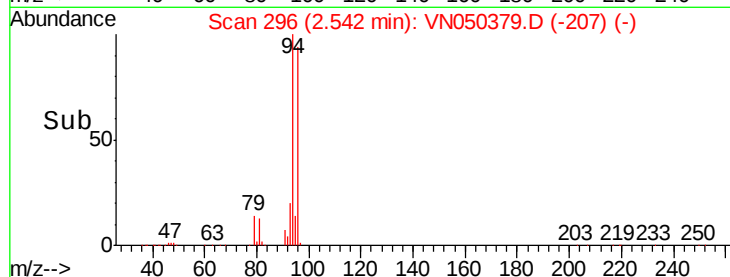
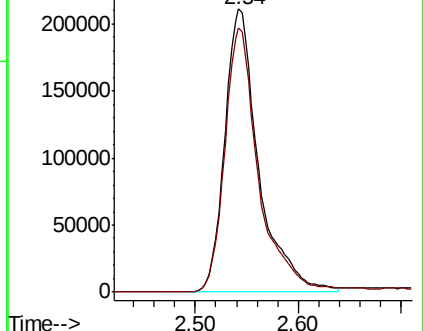
94 100

96 93.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050379.D (-296) (-)

Ion 95.90 (95.60 to 96.60): VN050379.D (-296) (-)



#6

Chloroethane

Concen: 95.381 ug/l

RT: 2.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VN050379.D

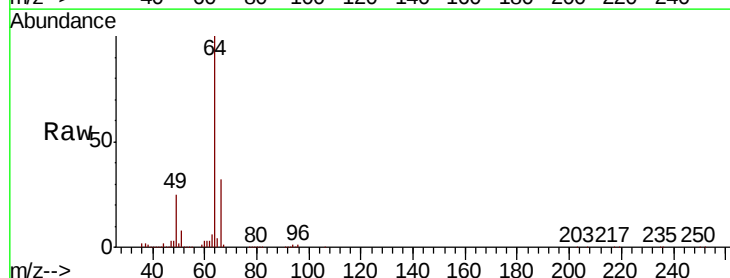
Acq: 6 Aug 2018 12:49

Tgt Ion: 64 Resp: 590221

Ion Ratio Lower Upper

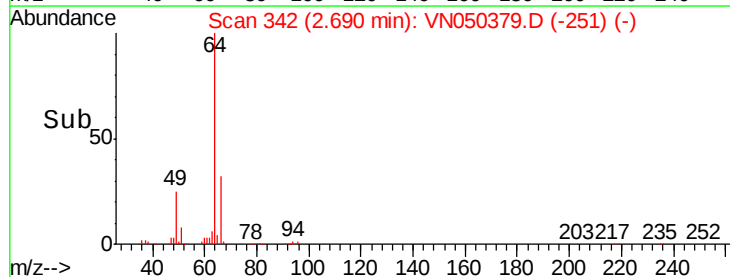
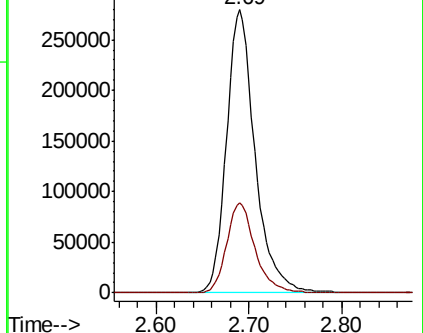
64 100

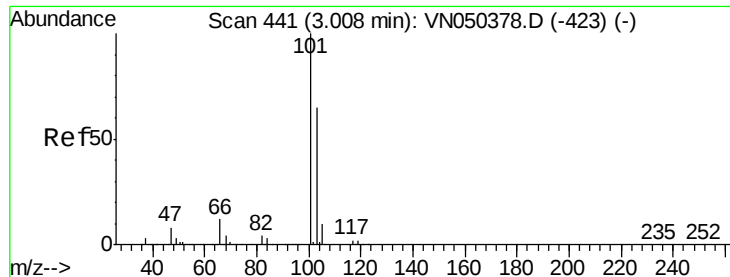
66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN050379.D (-342) (-)

Ion 65.90 (65.60 to 66.60): VN050379.D (-342) (-)



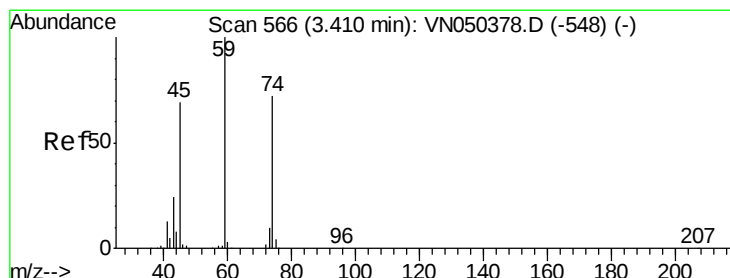
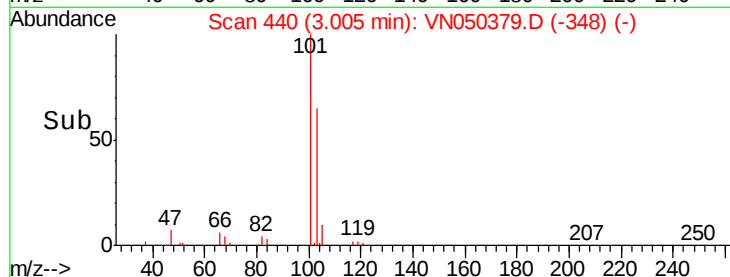
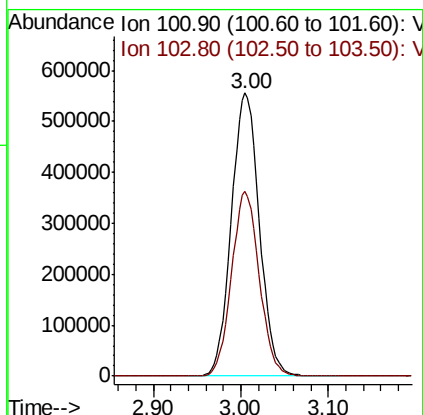
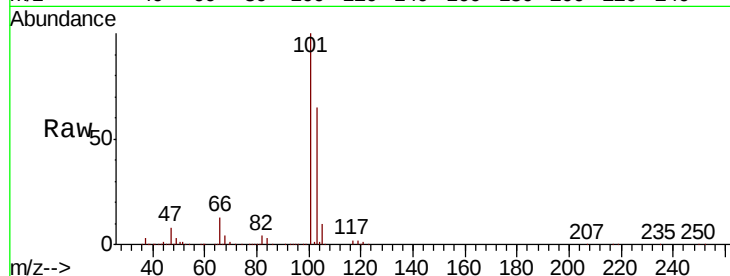


#7

Trichlorofluoromethane
 Concen: 95.282 ug/l
 RT: 3.00 min Scan# 440
 Delta R.T. -0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Instrument :
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 ClientSampleId :
 VSTDIC100

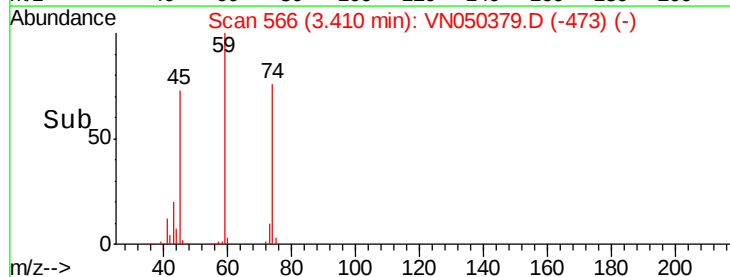
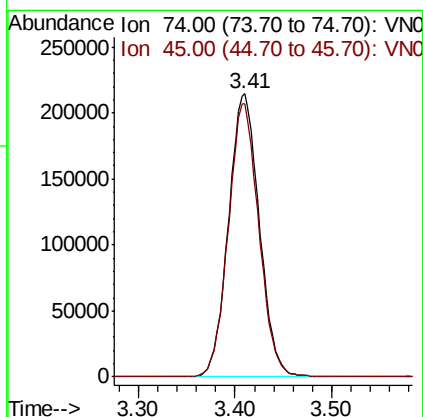
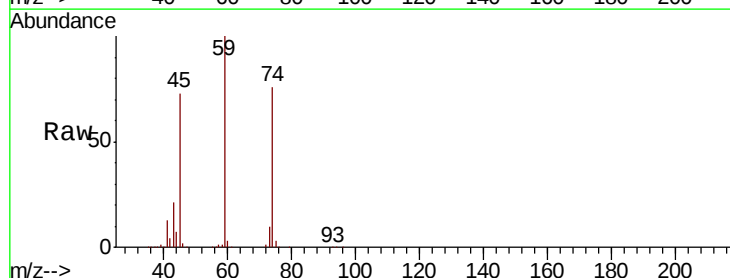
Tot Ion:101 Resp: 1235807
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.7 77.5

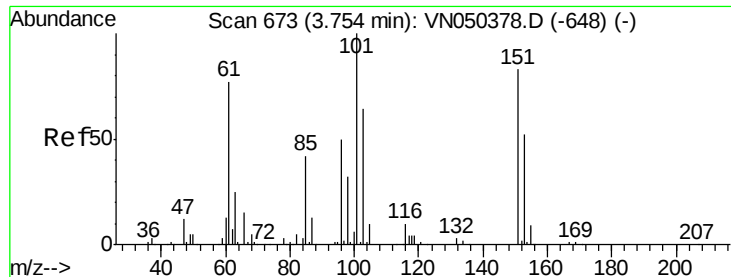


#8

Diethyl Ether
 Concen: 99.763 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Tgt Ion: 74 Resp: 474518
 Ion Ratio Lower Upper
 74 100
 45 95.4 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.911 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

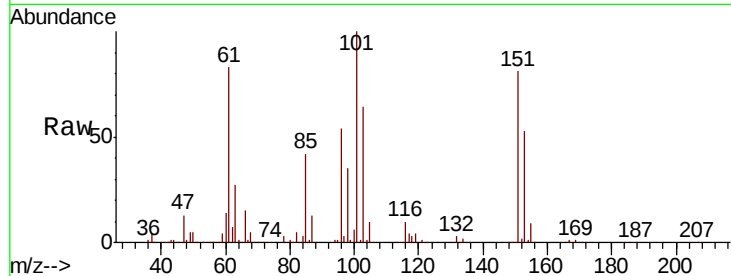
Tot Ion:101 Resp: 760754

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.2

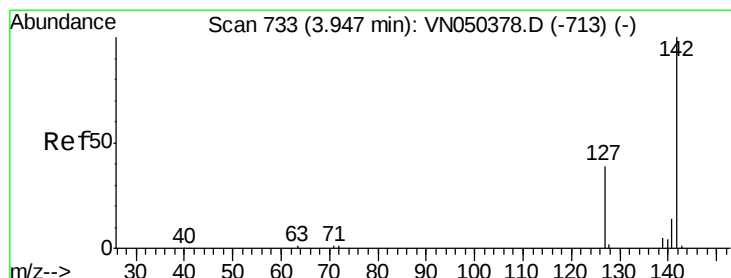
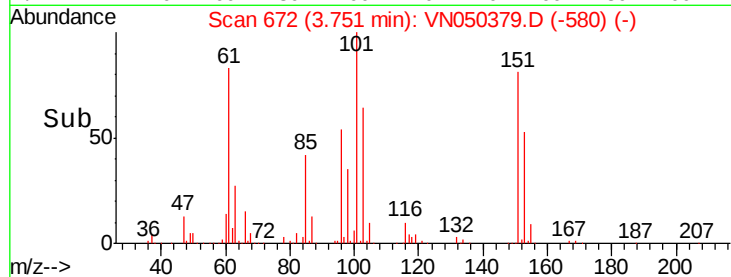
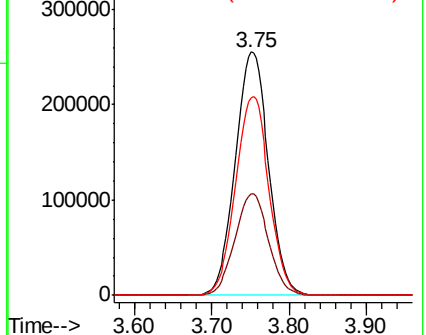
151 82.5 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 117.369 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

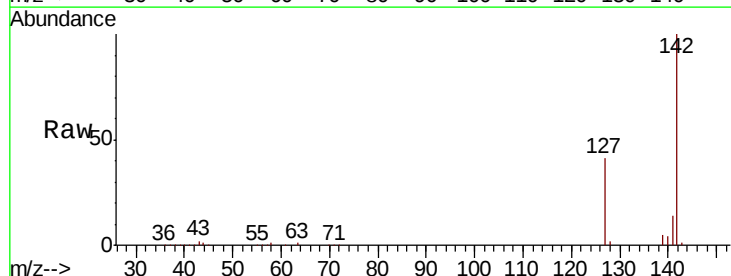
Tgt Ion:142 Resp: 414493

Ion Ratio Lower Upper

142 100

127 40.4 33.4 50.2

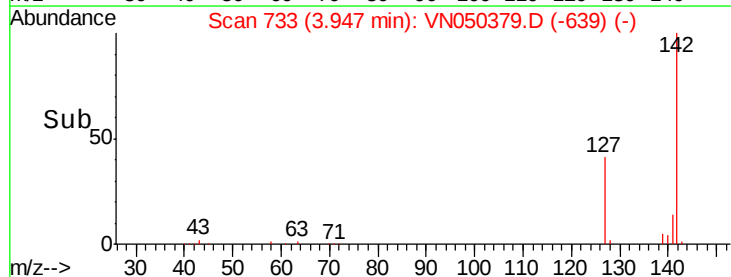
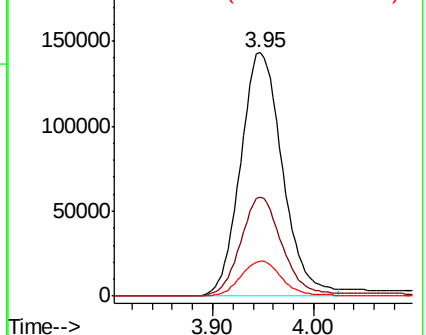
141 14.1 11.6 17.4

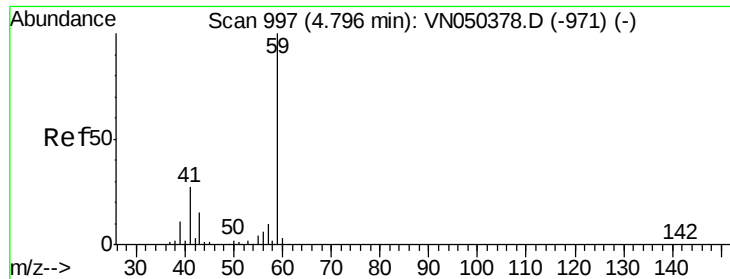


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

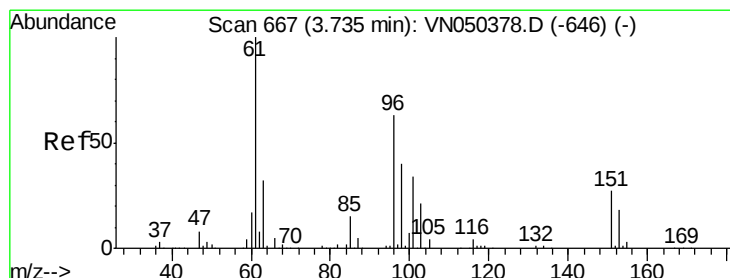
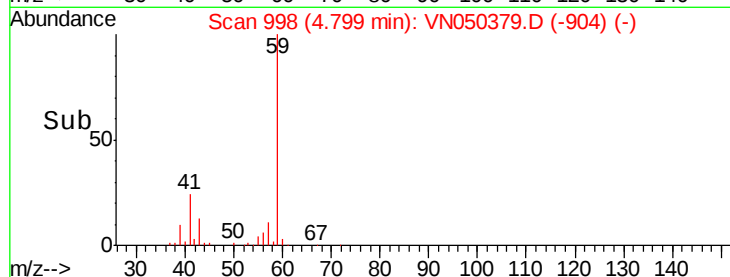
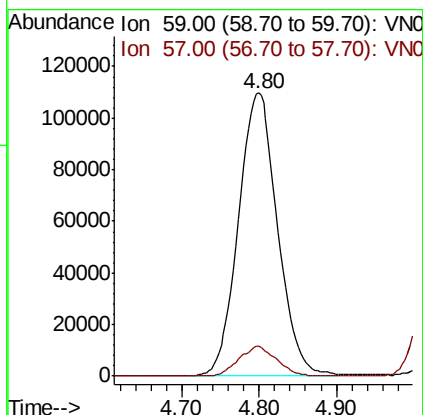
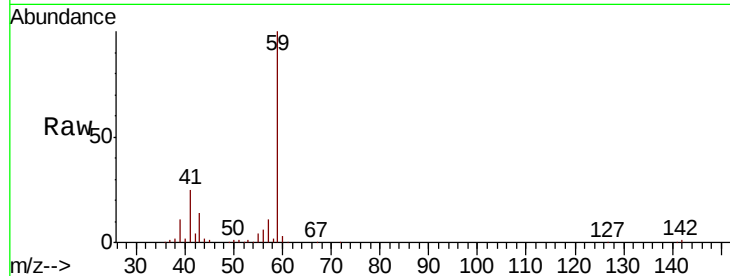




#11
Tert butyl alcohol
Concen: 514.304 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

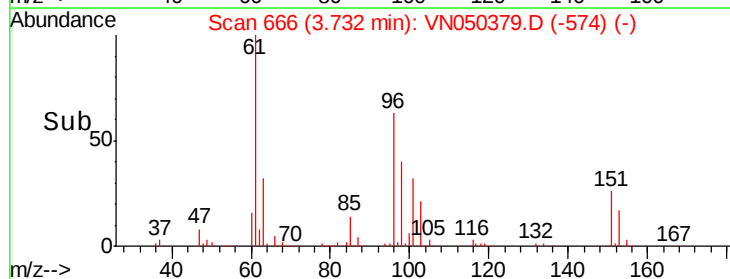
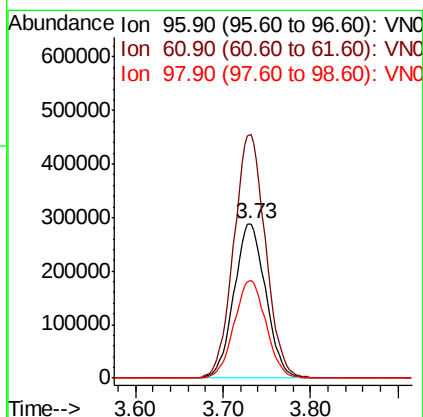
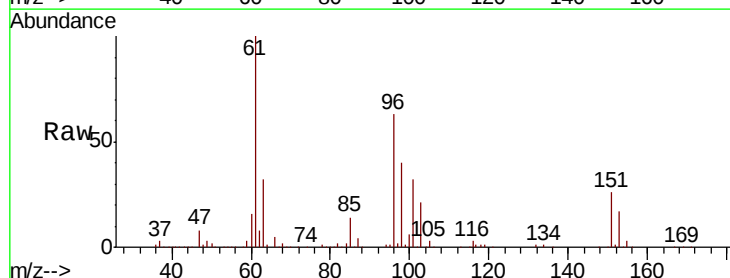
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

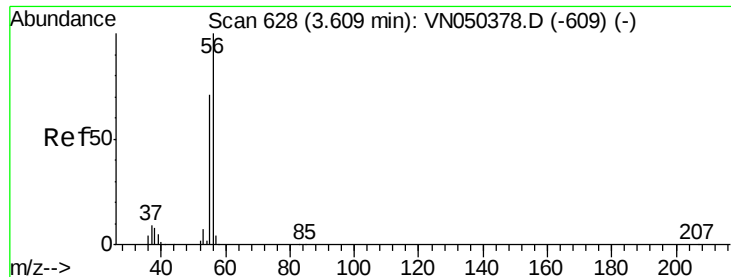
Tot Ion: 59 Resp: 385831
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7



#12
1,1-Dichloroethene
Concen: 95.910 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion: 96 Resp: 724731
Ion Ratio Lower Upper
96 100
61 157.6 124.4 186.6
98 63.0 48.3 72.5





#13

Acrolein

Concen: 508.230 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

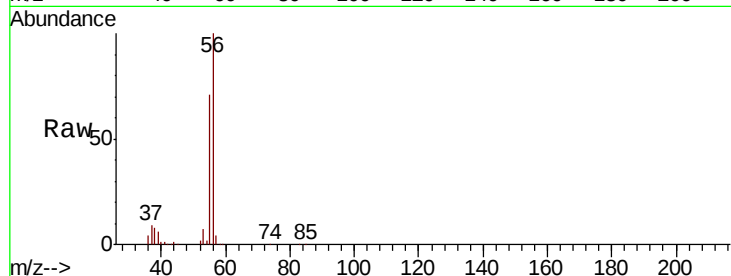
VSTDIC100

Tot Ion: 56 Resp: 512193

Ion Ratio Lower Upper

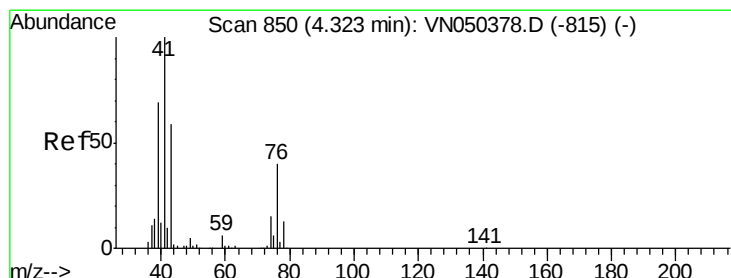
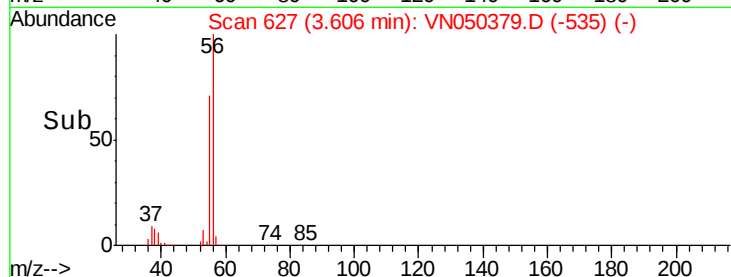
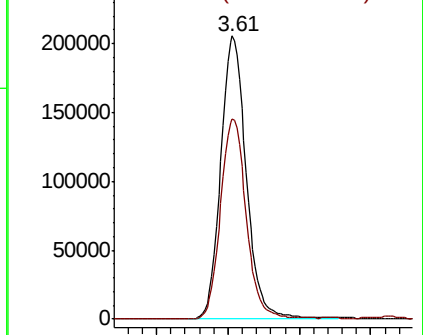
56 100

55 71.5 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 100.043 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

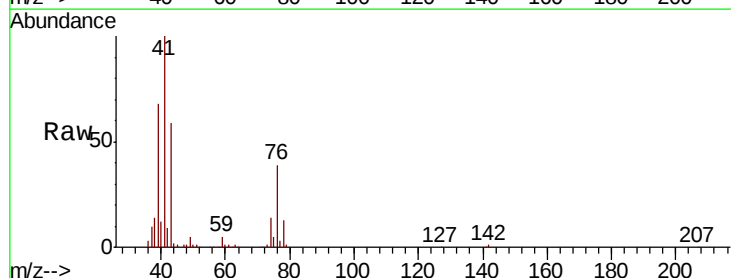
Tgt Ion: 41 Resp: 1214017

Ion Ratio Lower Upper

41 100

39 64.3 54.2 81.4

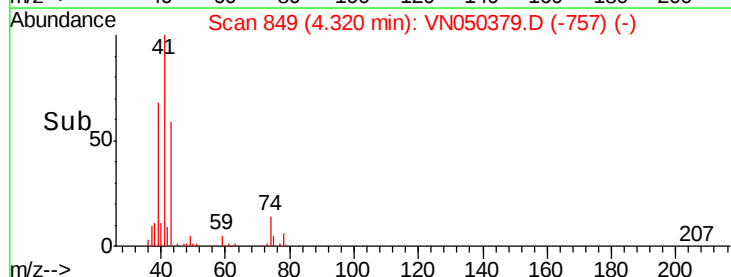
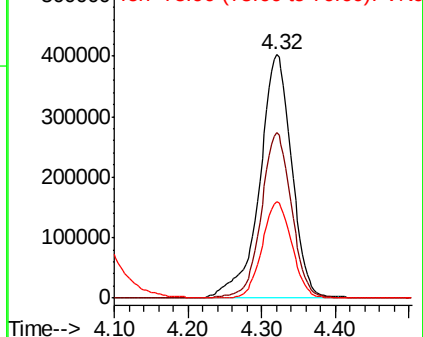
76 36.4 29.0 43.6

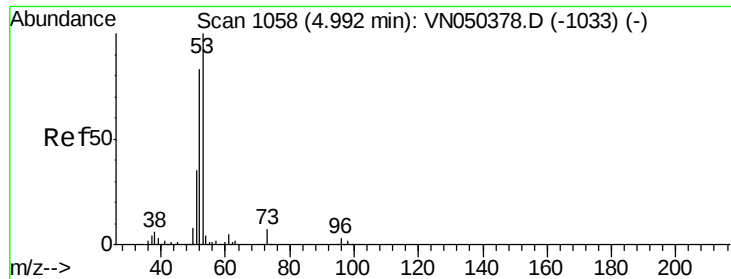


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 513.905 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

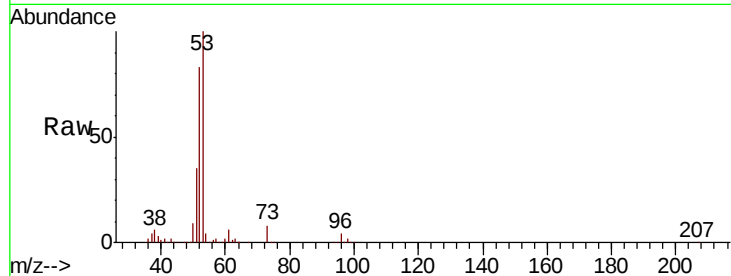
Tot Ion: 53 Resp: 1614899

Ion Ratio Lower Upper

53 100

52 82.8 66.2 99.2

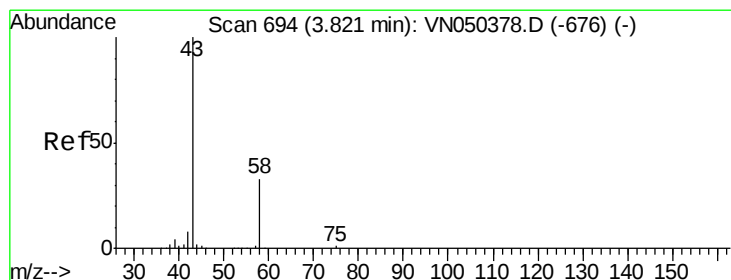
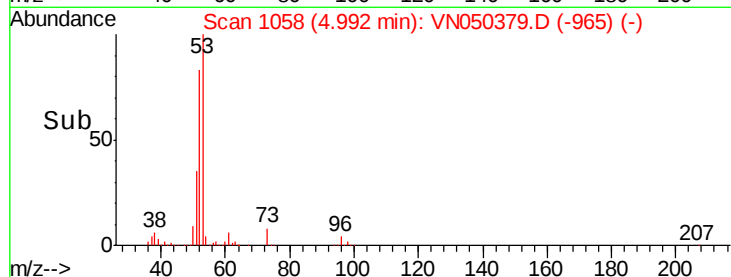
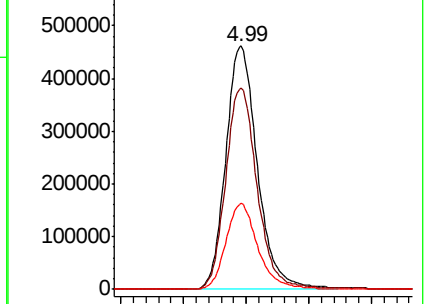
51 35.8 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN050379.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN050379.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN050379.D (-965) (-)



#16

Acetone

Concen: 507.944 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050379.D

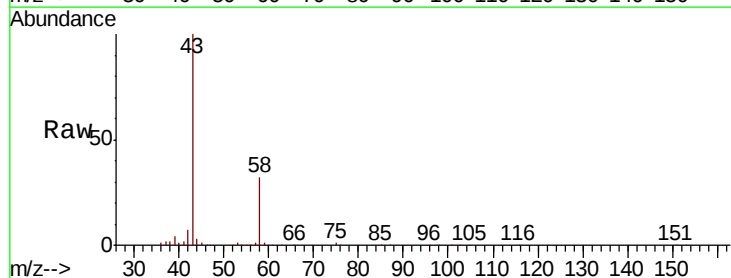
Acq: 6 Aug 2018 12:49

Tgt Ion: 43 Resp: 1413597

Ion Ratio Lower Upper

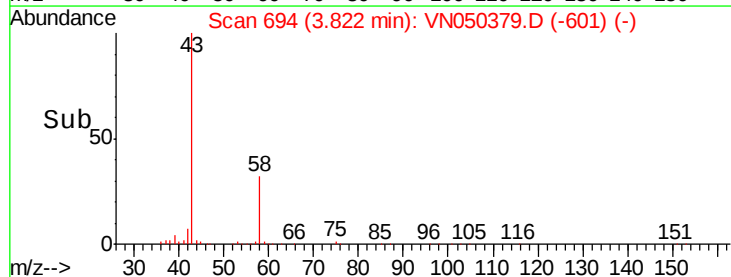
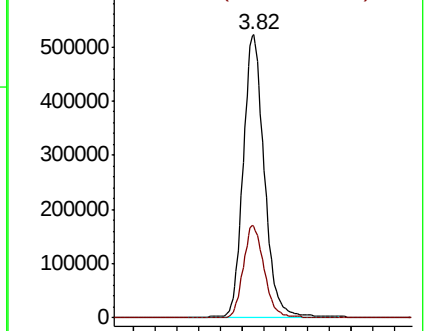
43 100

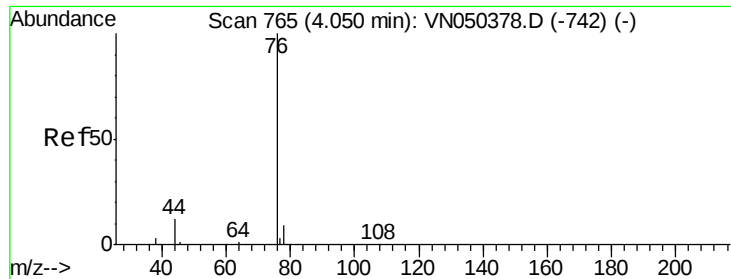
58 32.3 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050379.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN050379.D (-601) (-)

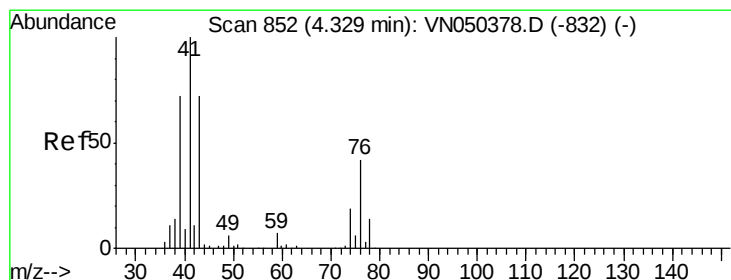
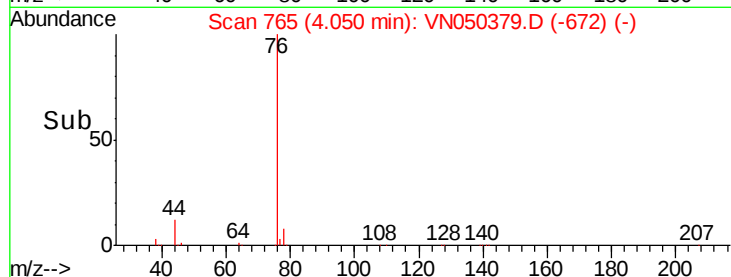
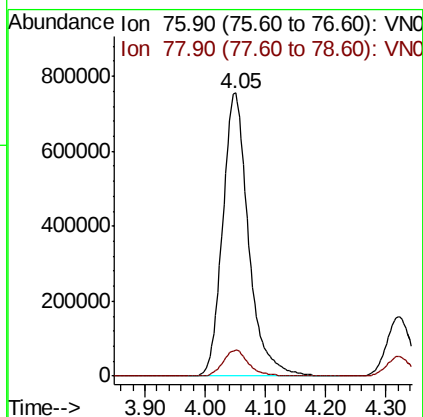
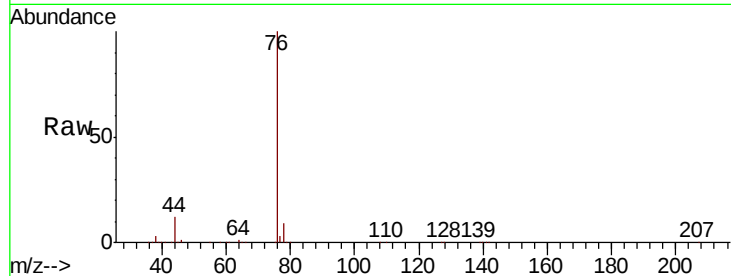




#17
Carbon Disulfide
Concen: 91.441 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

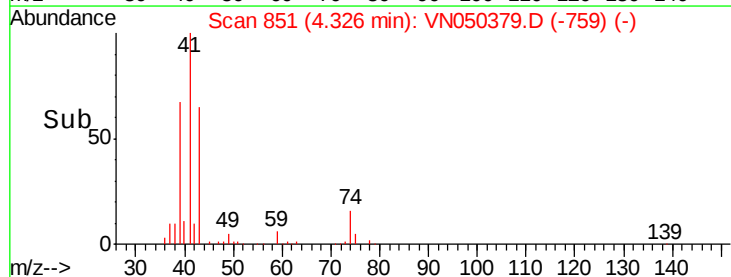
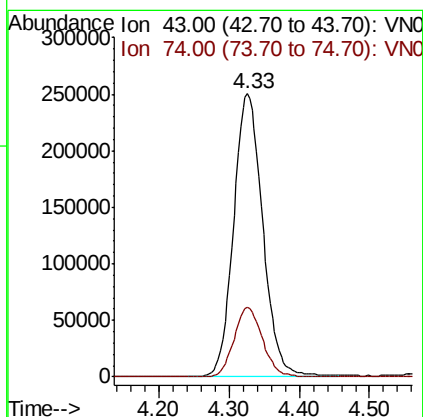
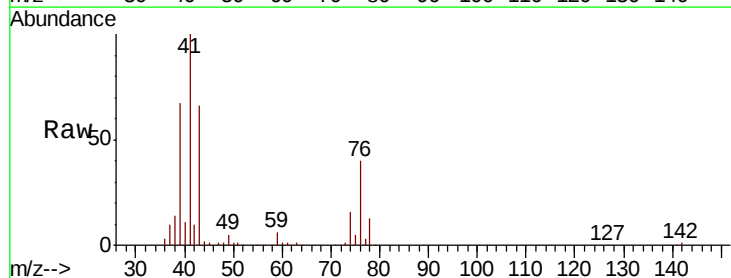
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

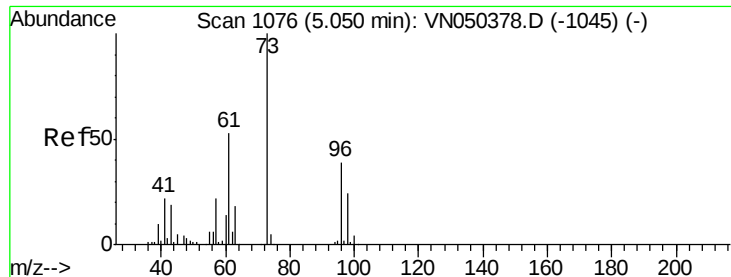
Tot Ion: 76 Resp: 2246834
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 99.116 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion: 43 Resp: 715909
Ion Ratio Lower Upper
43 100
74 24.3 19.2 28.8

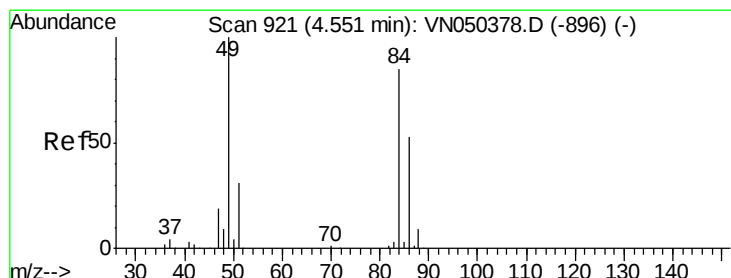
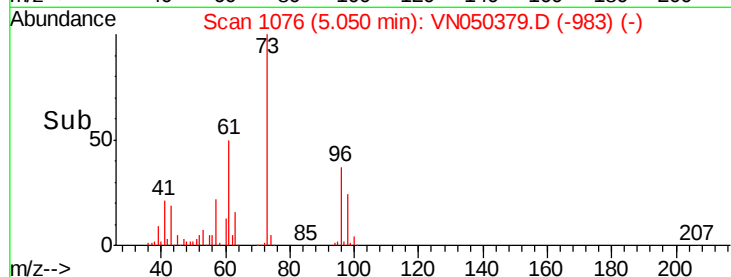
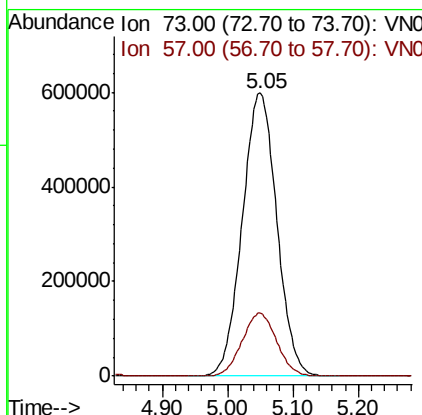
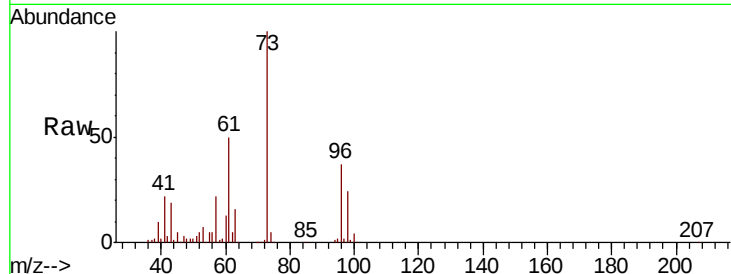




#19
Methyl tert-butyl Ether
Concen: 102.520 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

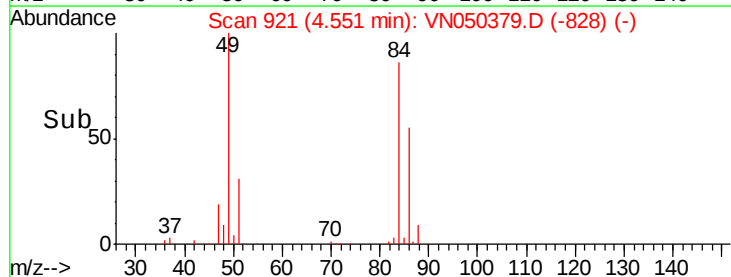
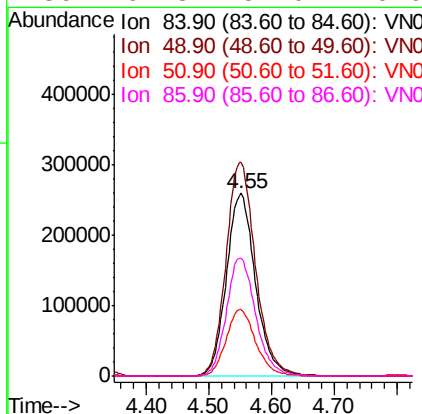
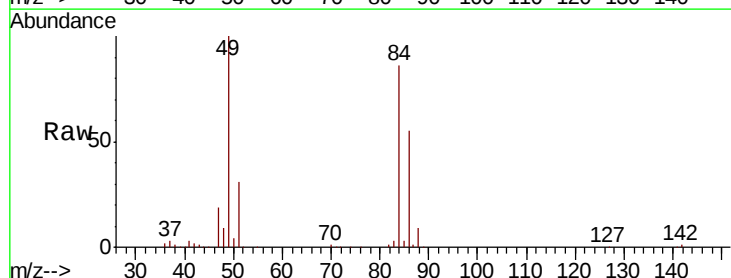
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

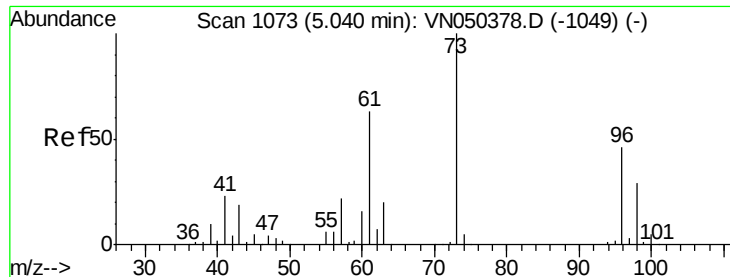
Tot Ion: 73 Resp: 2198815
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0



#20
Methylene Chloride
Concen: 99.539 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion: 84 Resp: 834710
Ion Ratio Lower Upper
84 100
49 116.8 94.8 142.2
51 36.5 28.3 42.5
86 64.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 96.128 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

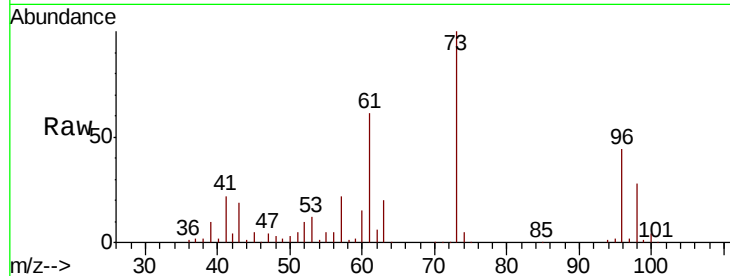
Tot Ion: 96 Resp: 786055

Ion Ratio Lower Upper

96 100

61 137.7 110.7 166.1

98 63.8 51.6 77.4

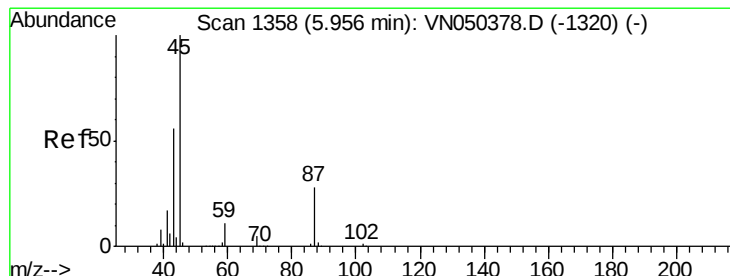
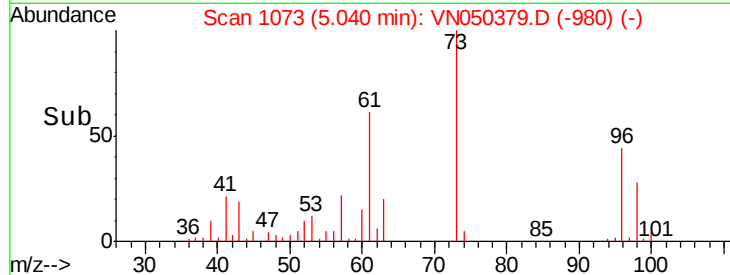
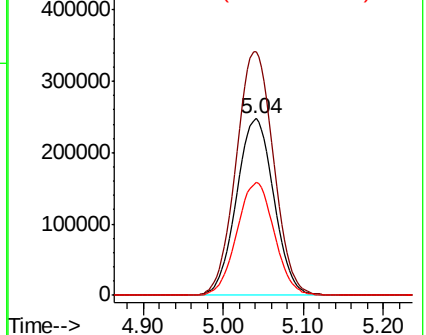


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 102.333 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Tgt Ion: 45 Resp: 2536837

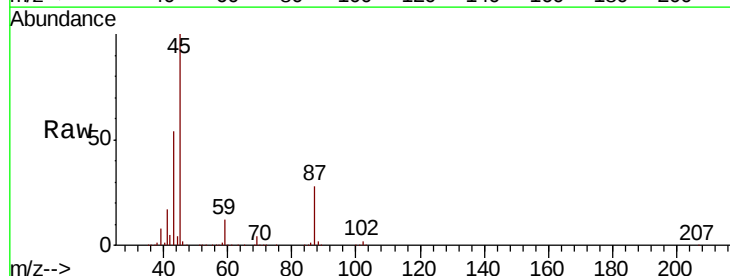
Ion Ratio Lower Upper

45 100

43 54.2 45.7 68.5

87 28.2 22.7 34.1

59 11.9 9.5 14.3



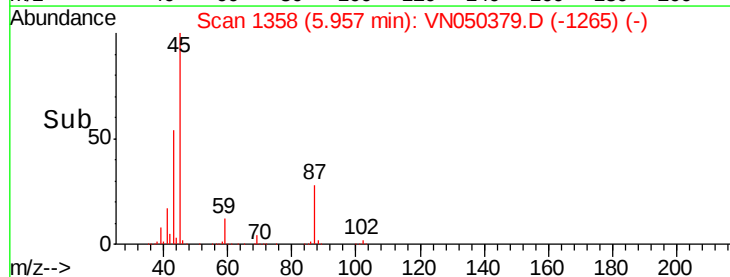
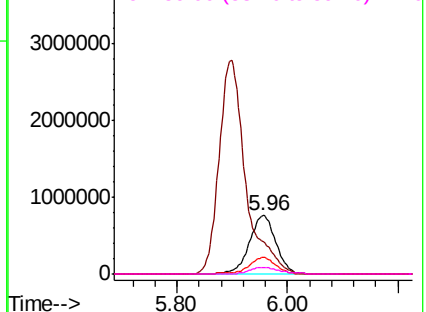
Abundance

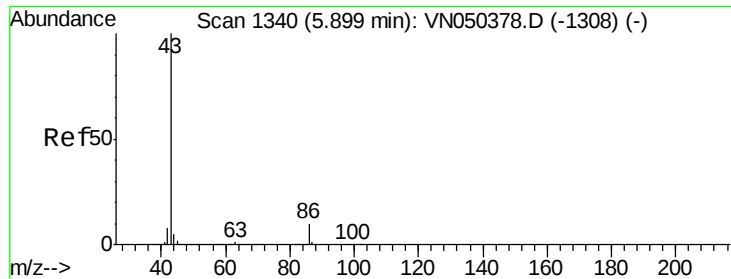
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 523.866 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

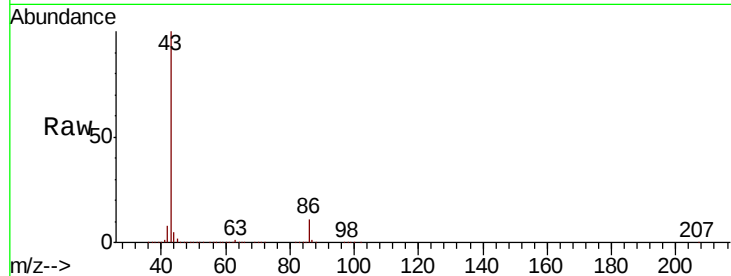
VSTDIC100

Tot Ion: 43 Resp: 9265643

Ion Ratio Lower Upper

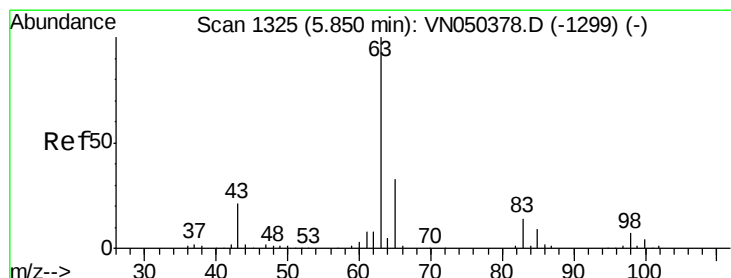
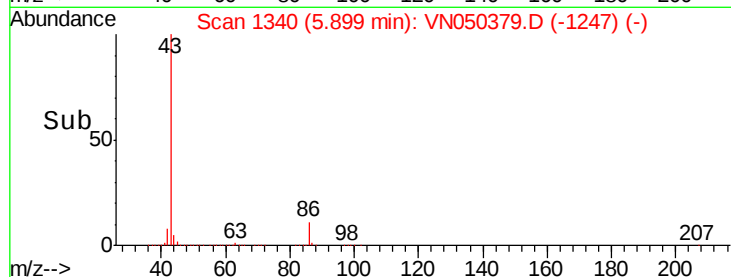
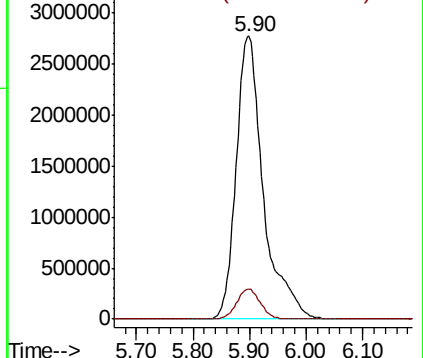
43 100

86 10.7 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 95.801 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

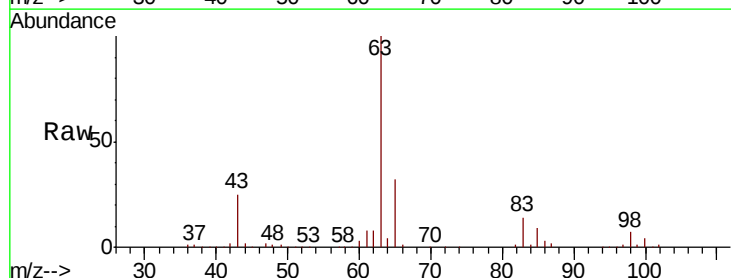
Tgt Ion: 63 Resp: 1457230

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

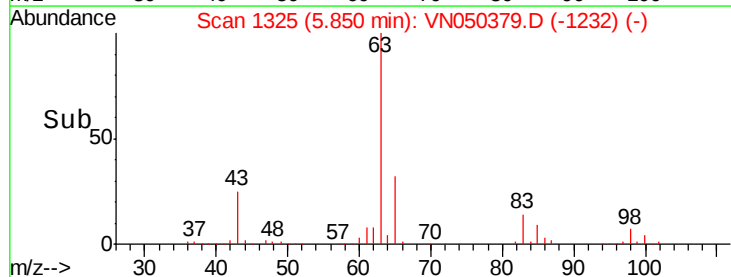
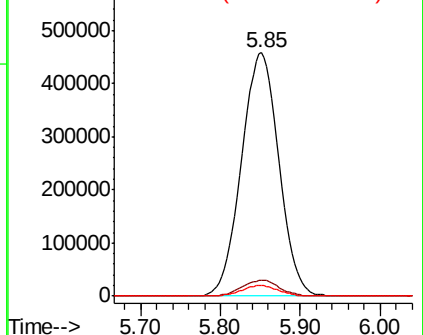
100 4.2 2.1 6.3

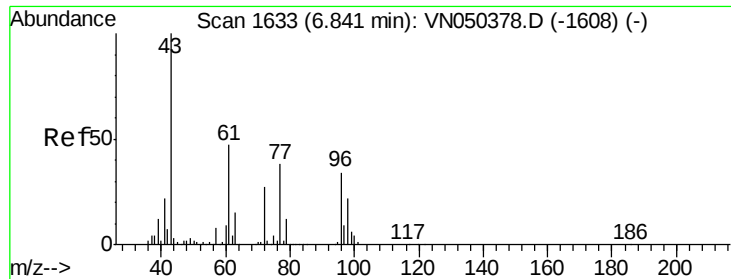


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 514.432 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

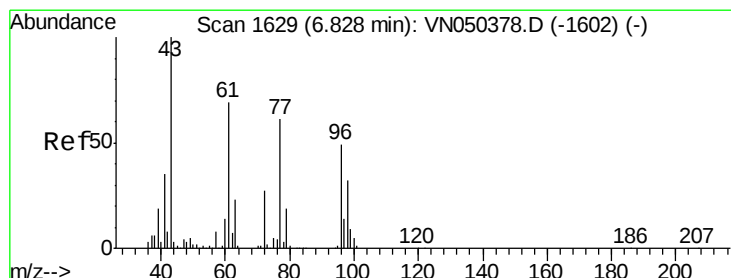
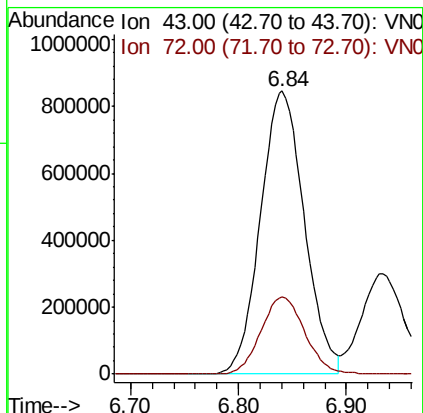
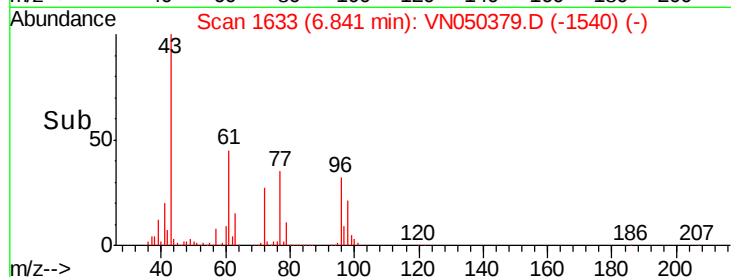
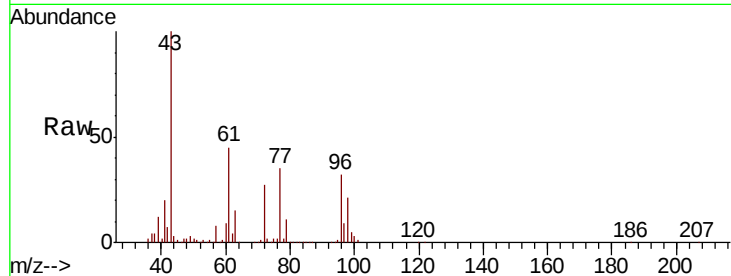
VSTDIC100

Tot Ion: 43 Resp: 2380585

Ion Ratio Lower Upper

43 100

72 27.3 21.5 32.3



#26

2,2-Dichloropropane

Concen: 93.562 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050379.D

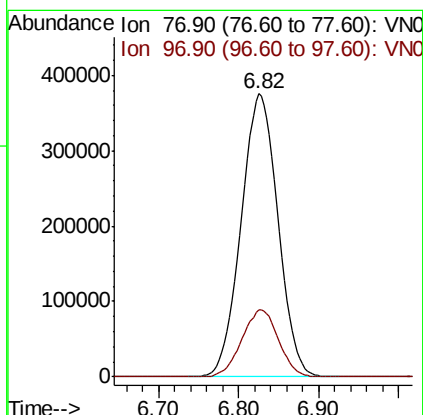
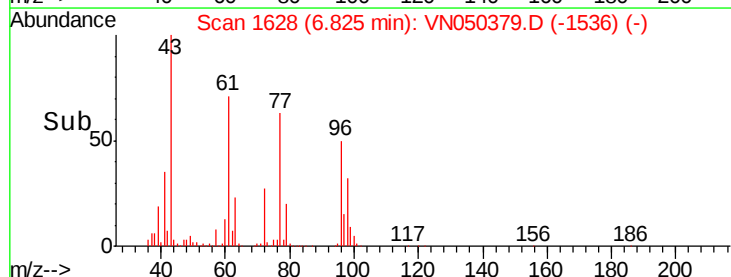
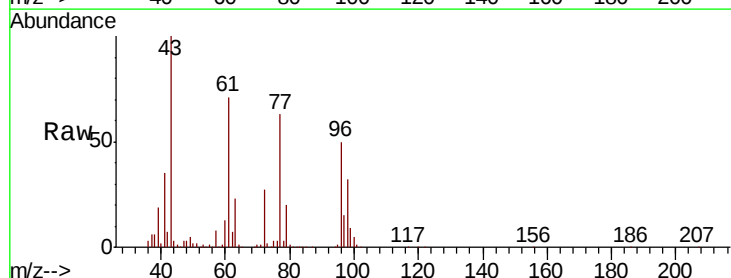
Acq: 6 Aug 2018 12:49

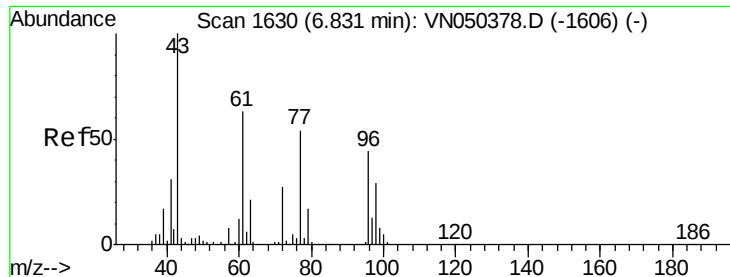
Tgt Ion: 77 Resp: 1173222

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 98.846 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

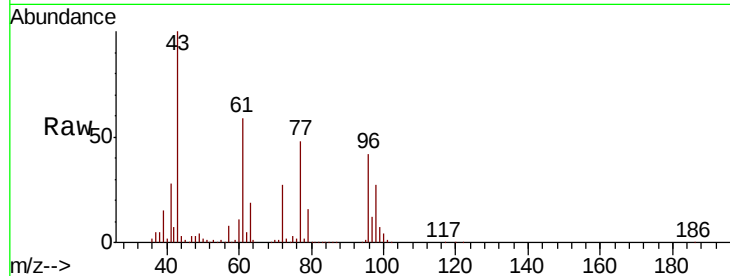
Tot Ion: 96 Resp: 895878

Ion Ratio Lower Upper

96 100

61 143.2 0.0 285.0

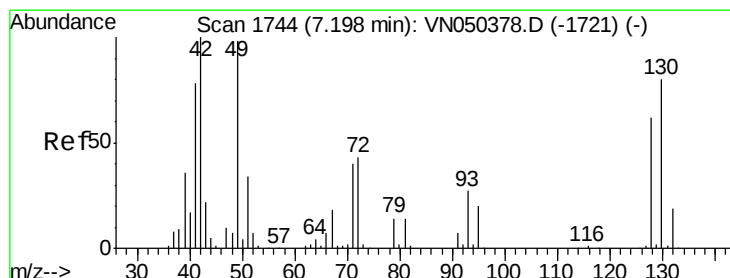
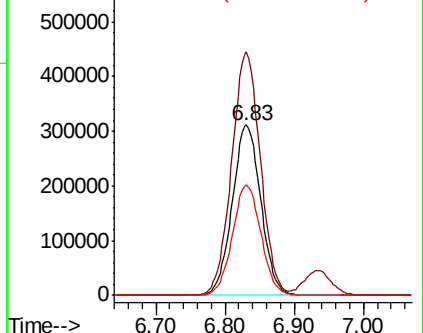
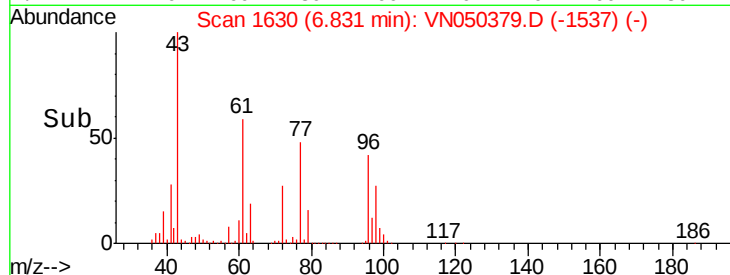
98 64.7 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 94.609 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

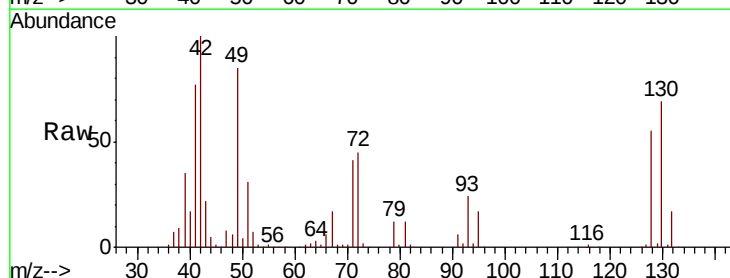
Tgt Ion: 49 Resp: 662464

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

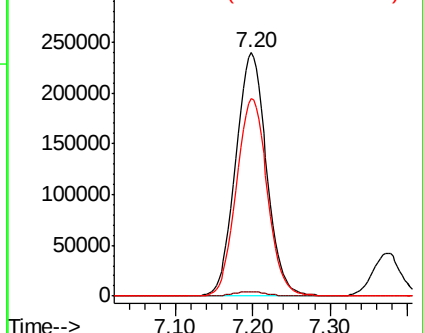
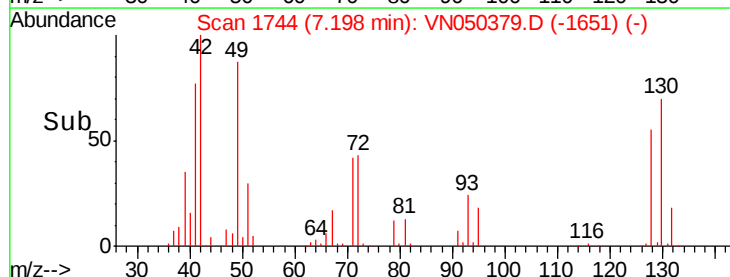
130 81.6 66.3 99.5

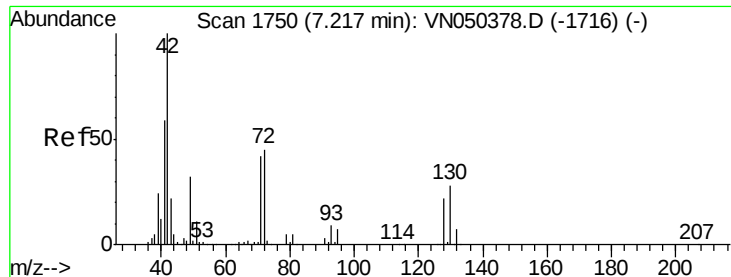


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 511.029 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

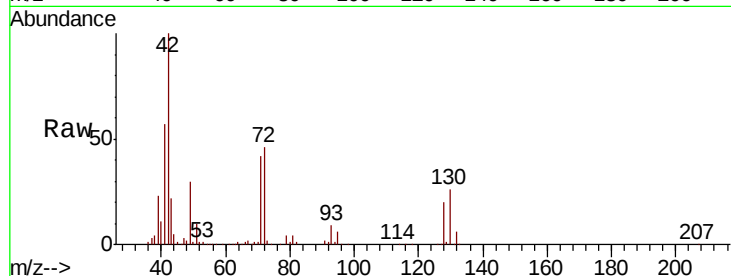
Tot Ion: 42 Resp: 1265785

Ion Ratio Lower Upper

42 100

72 45.0 35.9 53.9

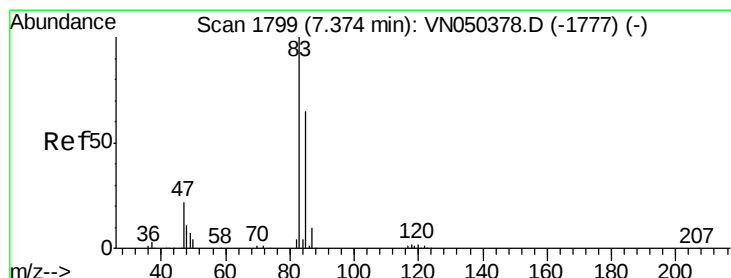
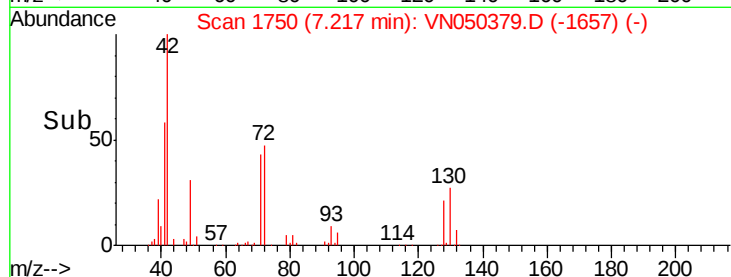
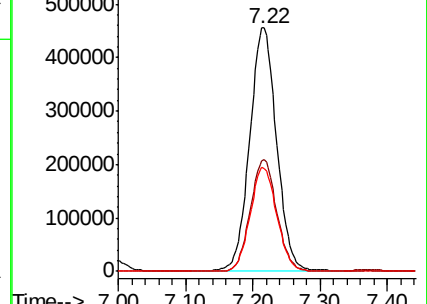
71 42.2 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 96.130 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050379.D

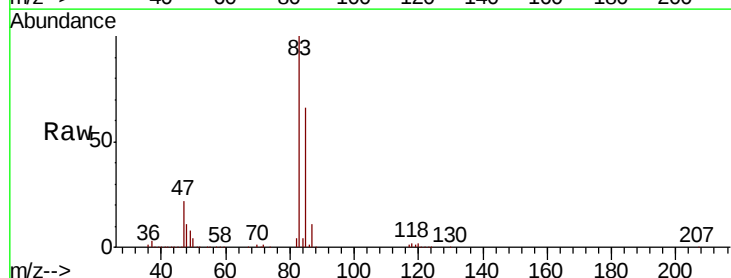
Acq: 6 Aug 2018 12:49

Tgt Ion: 83 Resp: 1461770

Ion Ratio Lower Upper

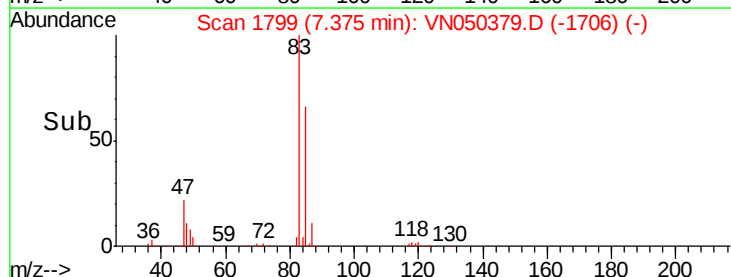
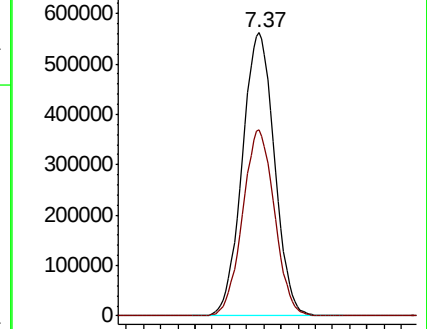
83 100

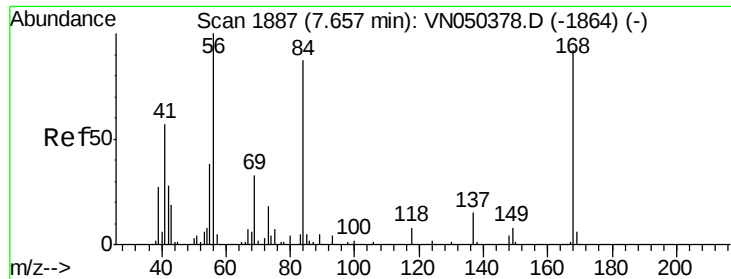
85 65.6 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

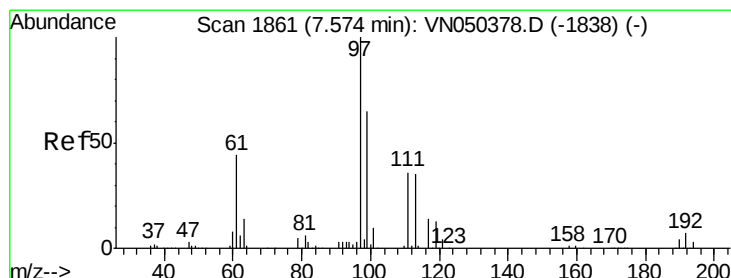
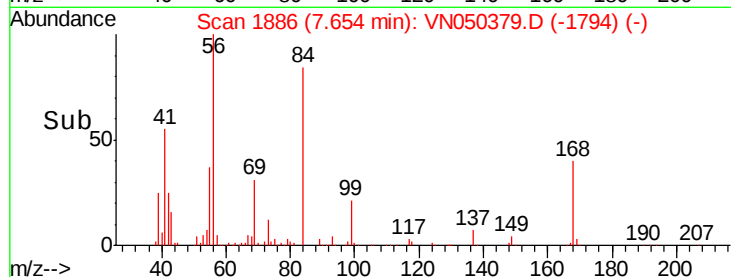
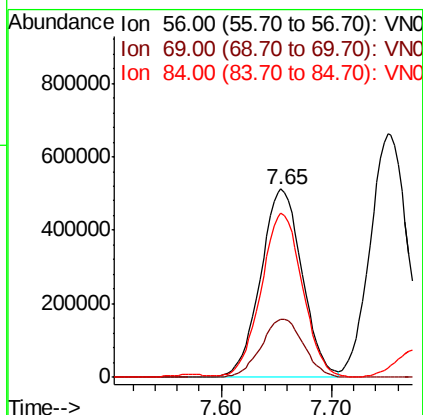
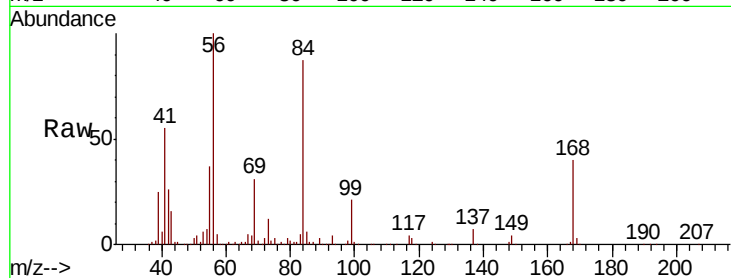




#31
Cyclohexane
Concen: 100.972 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

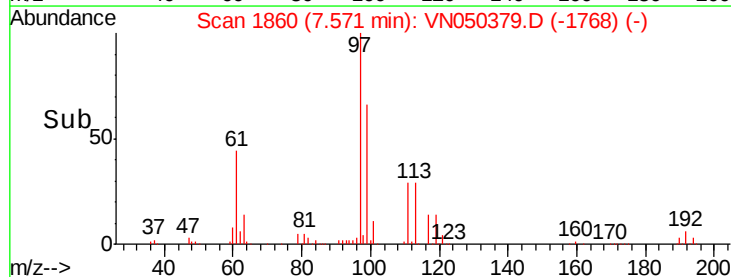
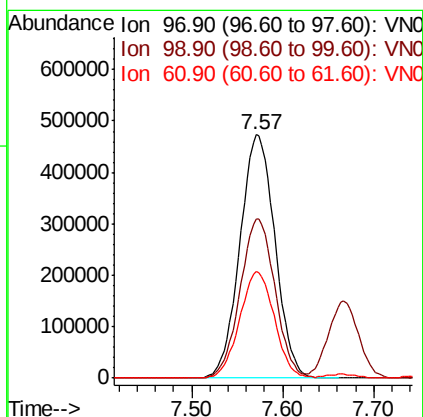
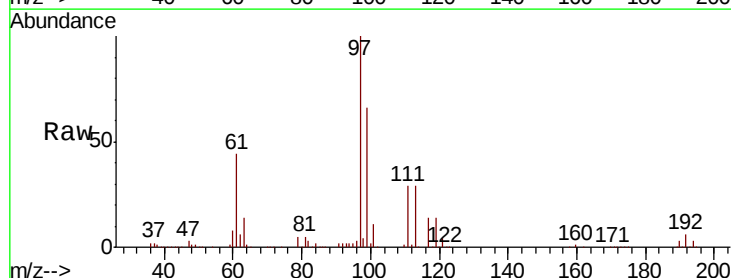
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

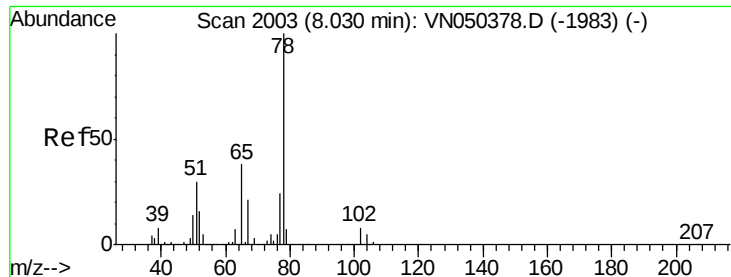
Tot Ion: 56 Resp: 1343167
Ion Ratio Lower Upper
56 100
69 31.1 26.2 39.4
84 85.8 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 97.012 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion: 97 Resp: 1266922
Ion Ratio Lower Upper
97 100
99 65.1 51.4 77.0
61 43.4 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 96.179 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

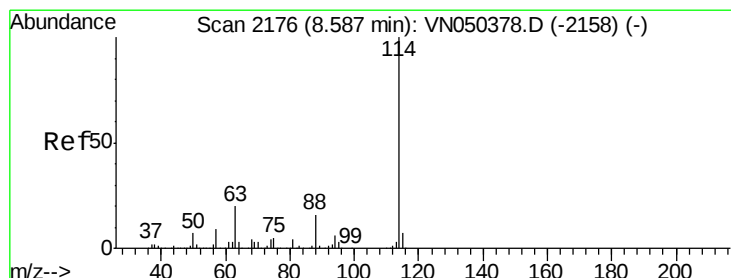
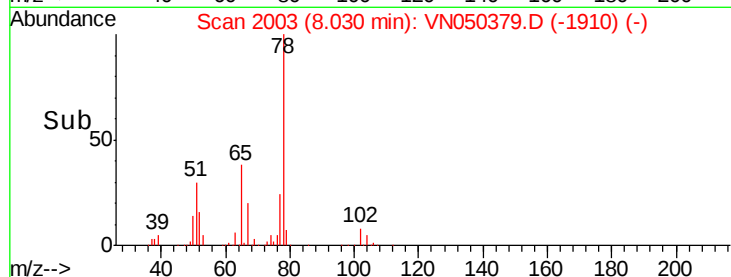
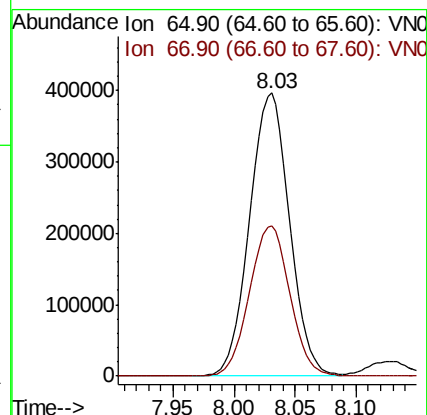
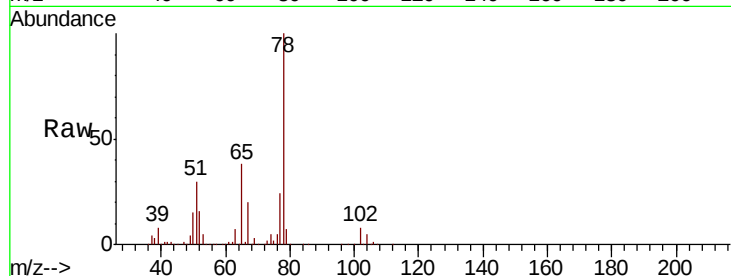
VSTDIC100

Tot Ion: 65 Resp: 898176

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

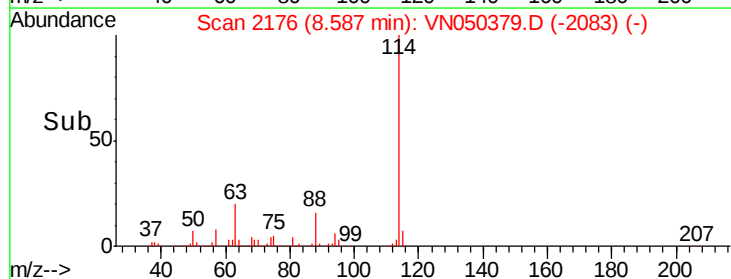
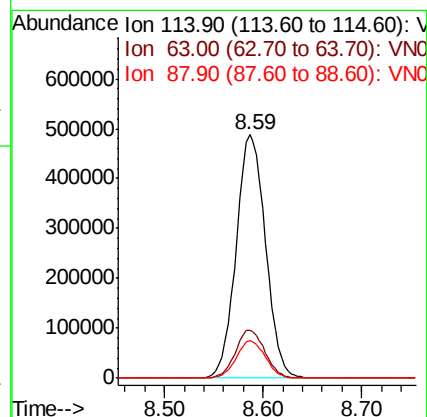
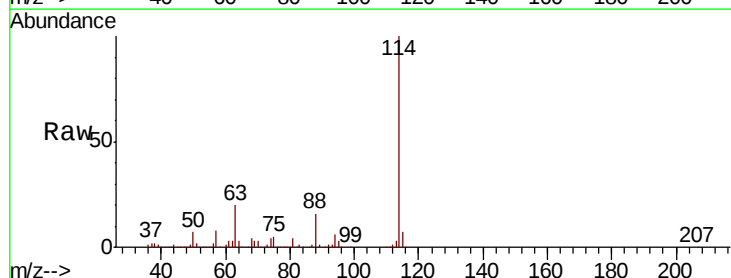
Tgt Ion: 114 Resp: 1010404

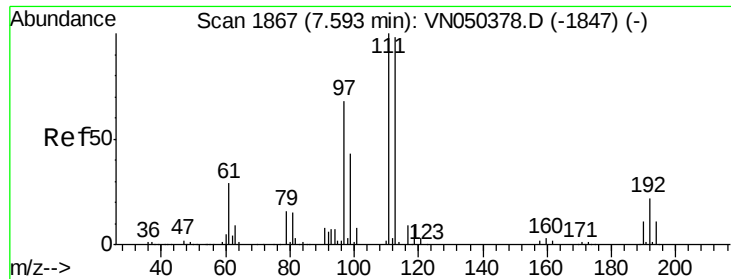
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 15.7 0.0 31.2

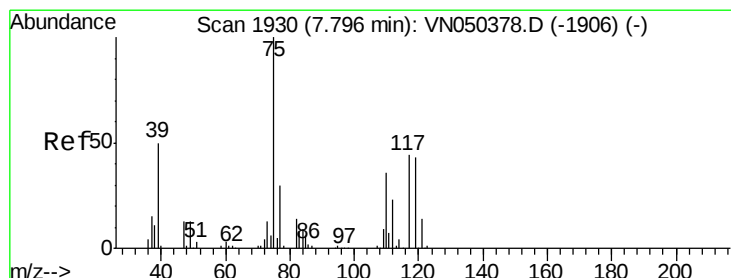
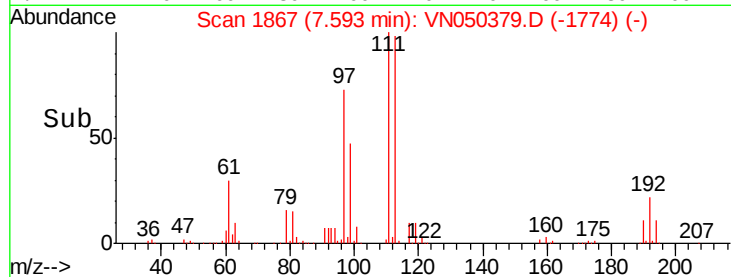
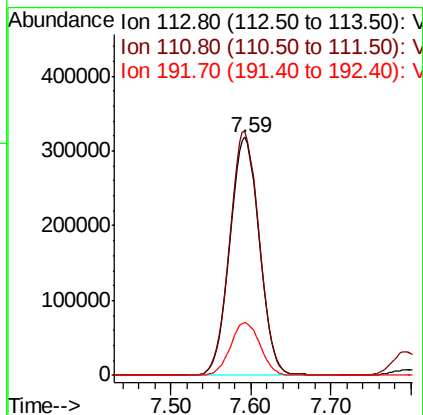
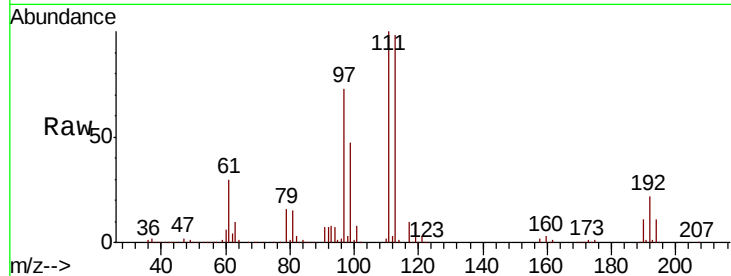




#35
 Dibromofluoromethane
 Concen: 98.297 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

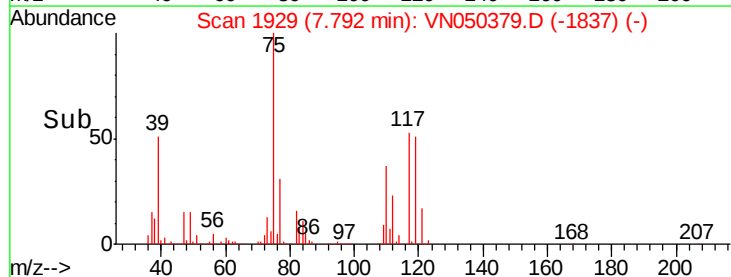
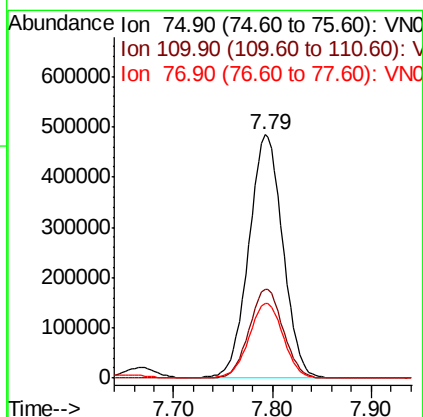
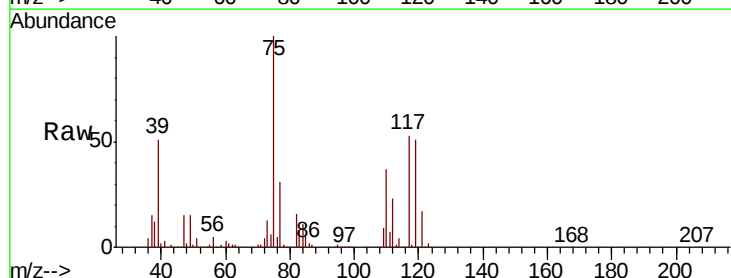
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

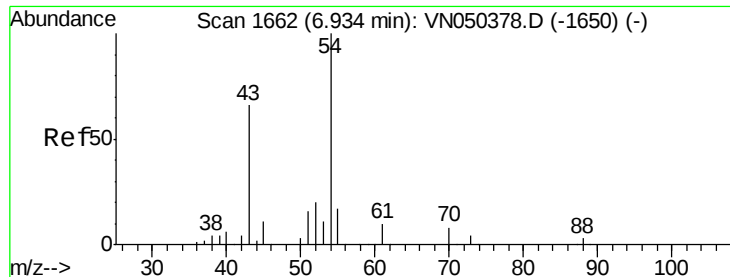
Tot Ion:113 Resp: 796929
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.7 121.1
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 103.351 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Tgt Ion: 75 Resp: 1147377
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.4 55.2
 77 31.2 25.3 37.9

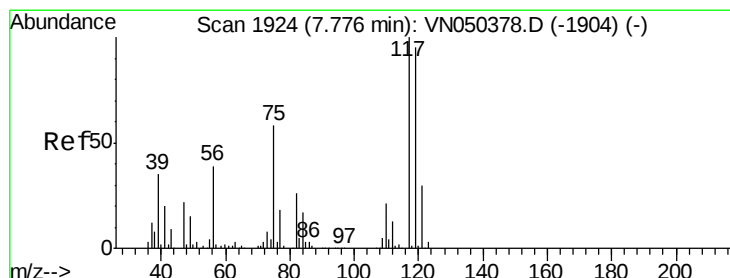
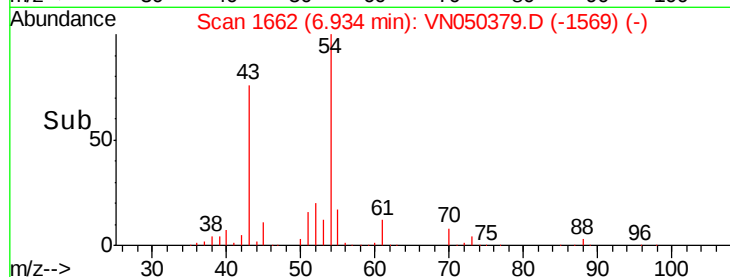
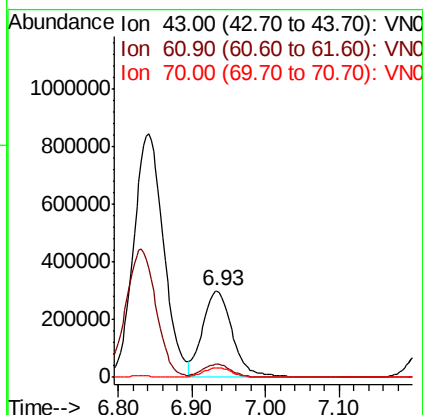
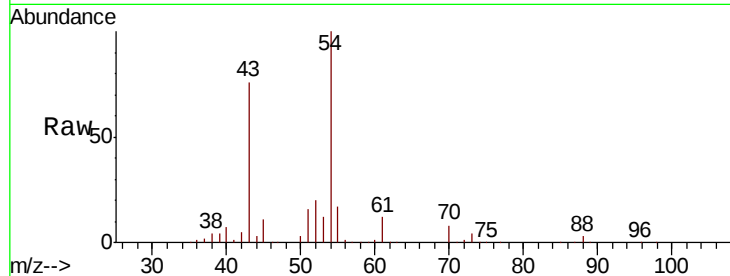




#37
Ethyl Acetate
Concen: 105.500 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

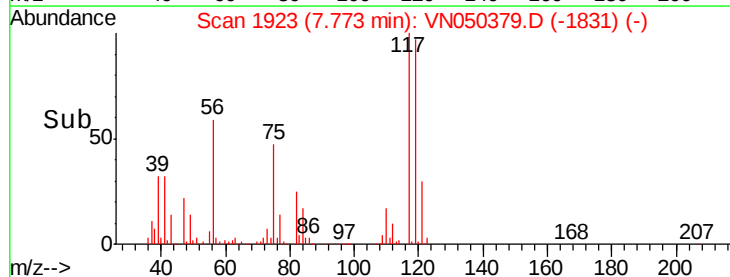
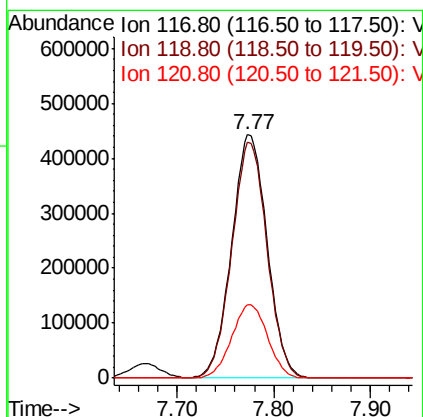
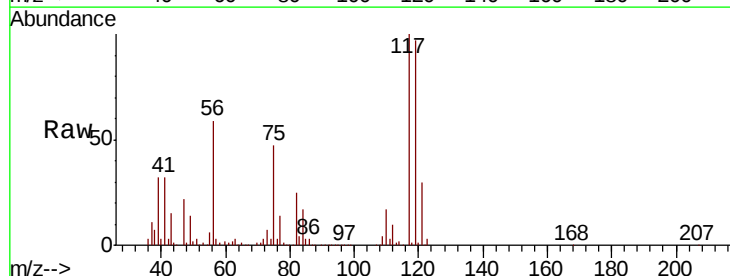
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

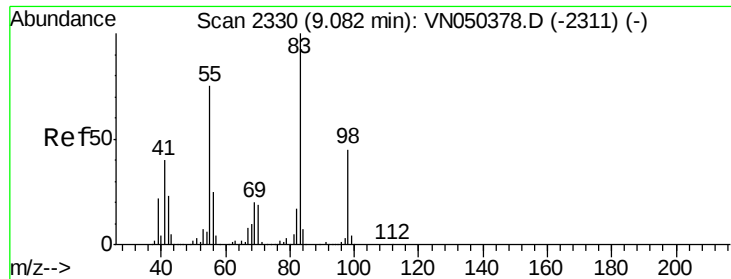
Tot Ion: 43 Resp: 843455
Ion Ratio Lower Upper
43 100
61 14.4 11.8 17.8
70 10.5 8.4 12.6



#38
Carbon Tetrachloride
Concen: 97.428 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion: 117 Resp: 1128342
Ion Ratio Lower Upper
117 100
119 96.9 77.4 116.0
121 30.1 23.9 35.9

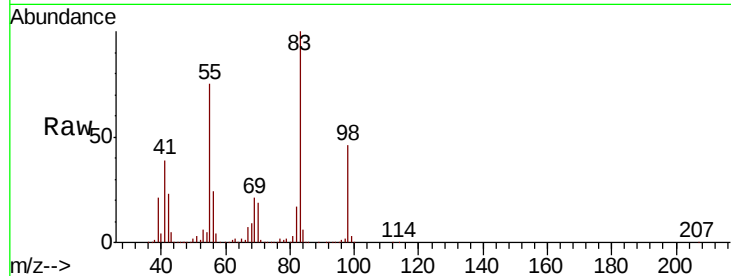




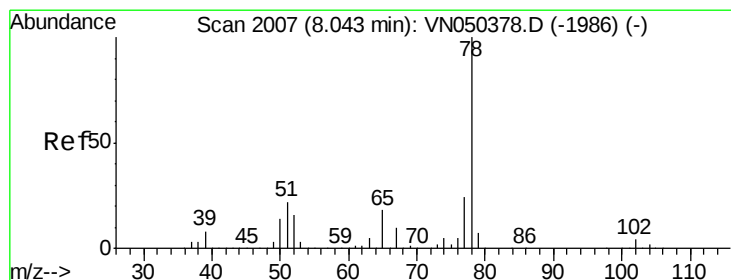
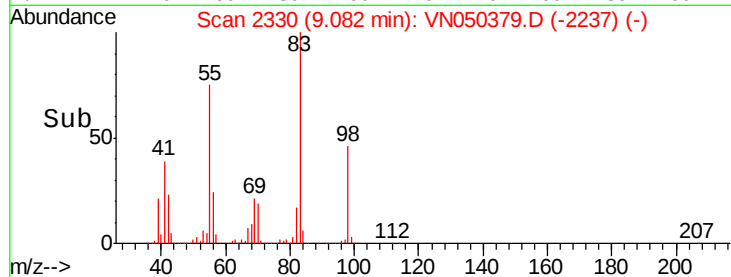
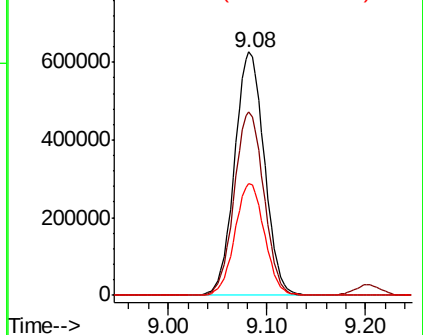
#39
Methvlcvclohexane
Concen: 107.928 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1307883
Ion Ratio Lower Upper
83 100
55 75.4 61.8 92.8
98 46.1 36.5 54.7

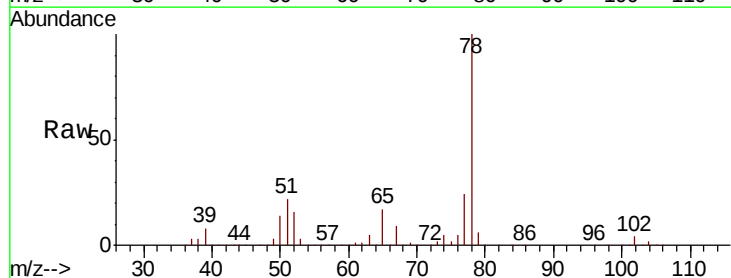


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

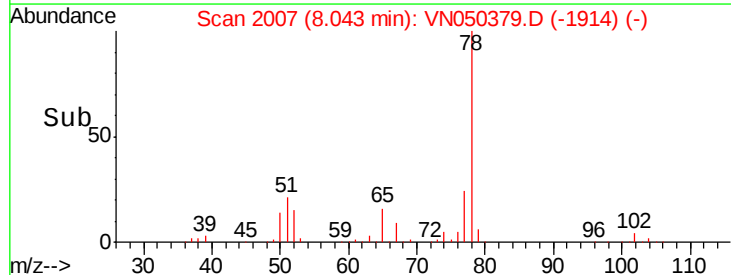
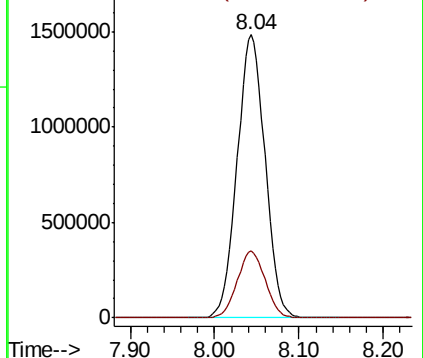


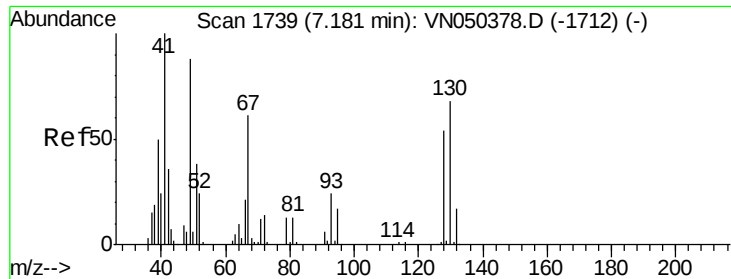
#40
Benzene
Concen: 100.538 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion: 78 Resp: 3431457
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

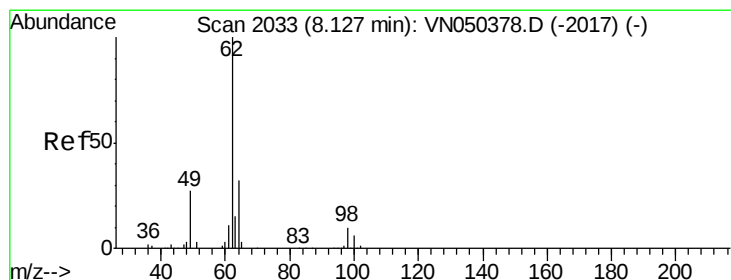
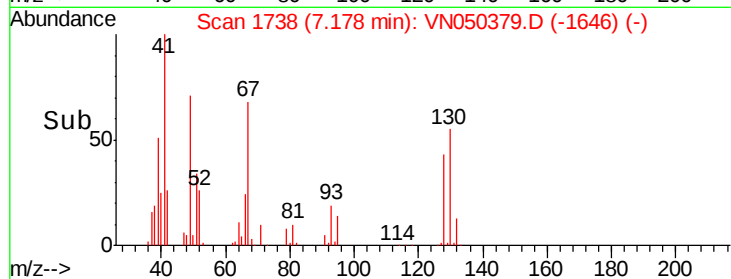
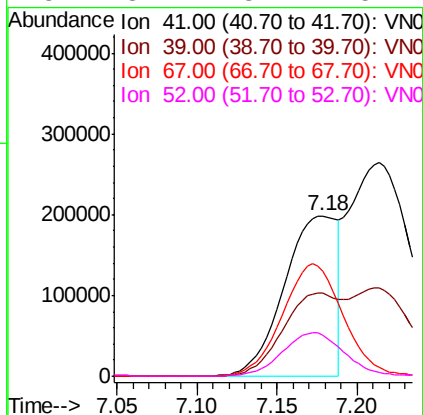
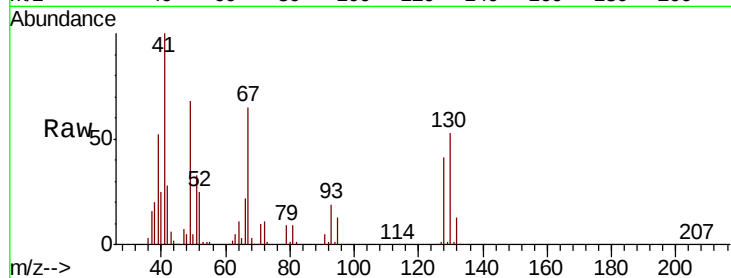




#41
Methacrylonitrile
Concen: 107.812 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

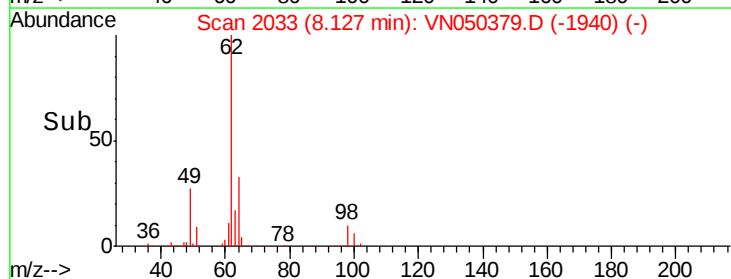
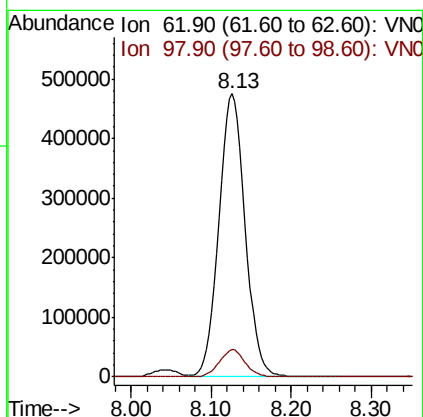
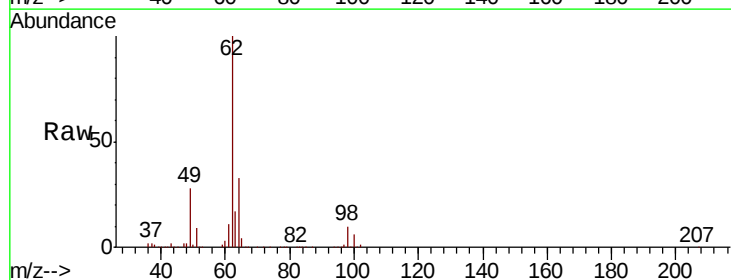
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

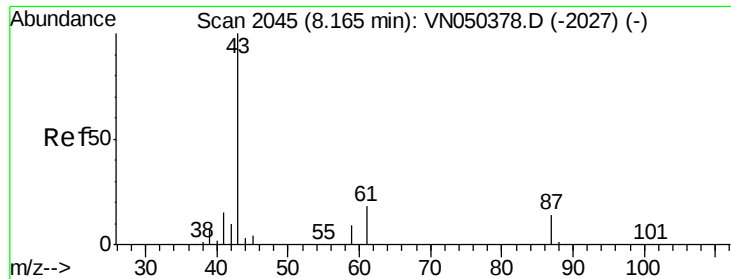
Tot Ion	Ratio	Lower	Upper
41	100		
39	56.1	55.8	83.6
67	80.7	84.3	126.5#
52	31.4	34.2	51.2#



#42
1,2-Dichloroethane
Concen: 99.221 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.8





#43

Isopropyl Acetate

Concen: 105.832 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

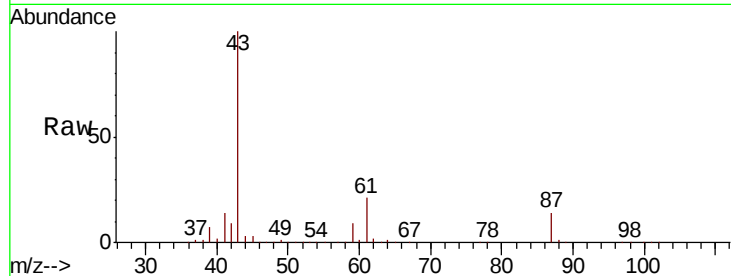
MSVOA_N

ClientSampleId :

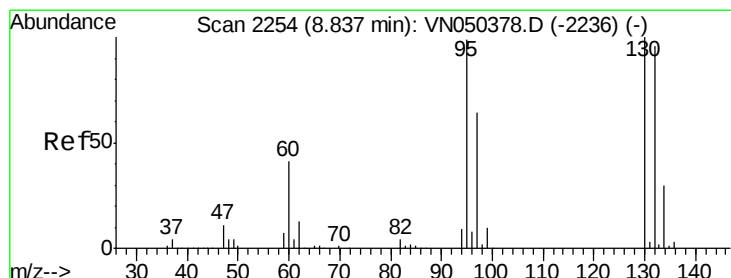
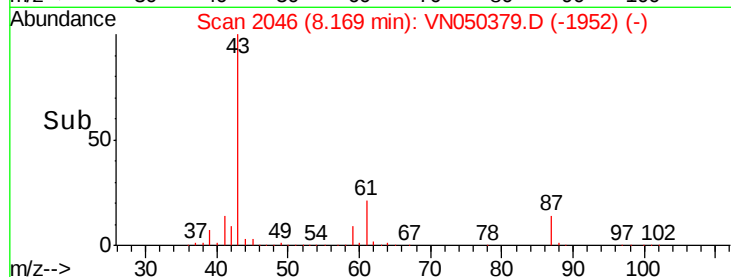
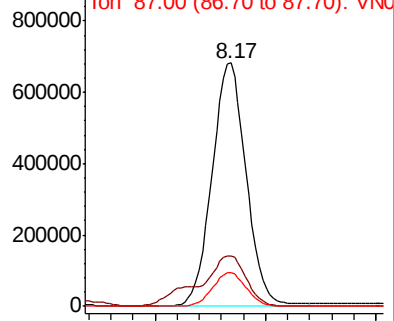
VSTDIC100

Tot Ion: 43 Resp: 1460635

Ion	Ratio	Lower	Upper
43	100		
61	28.7	15.8	23.6#
87	13.7	10.3	15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)



#44

Trichloroethene

Concen: 98.645 ug/l

RT: 8.84 min Scan# 2254

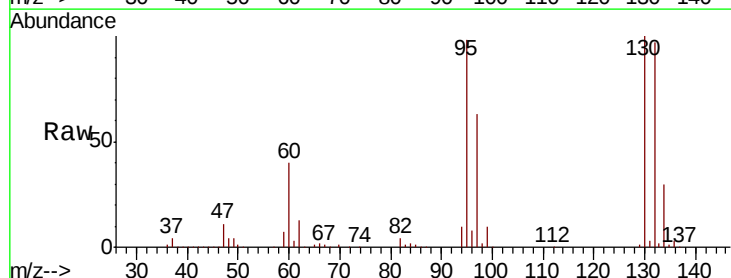
Delta R.T. 0.00 min

Lab File: VN050379.D

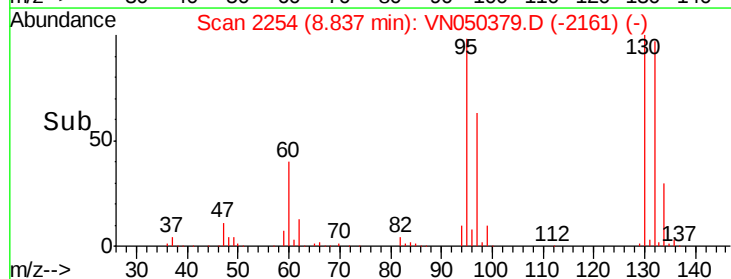
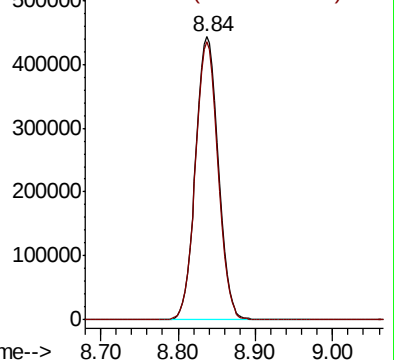
Acq: 6 Aug 2018 12:49

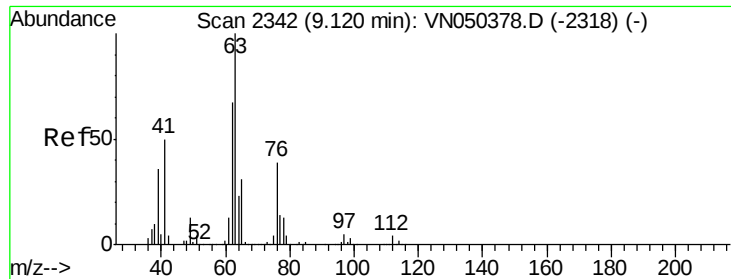
Tgt Ion:130 Resp: 904679

Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050378.D (-2236) (-)

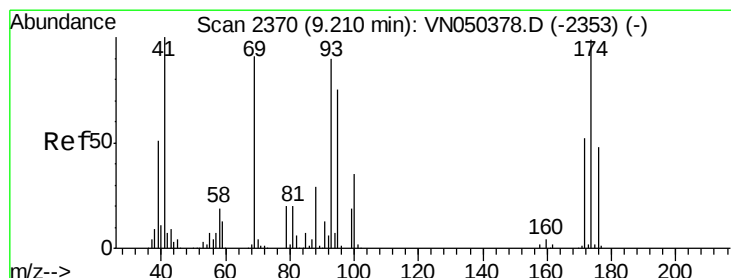
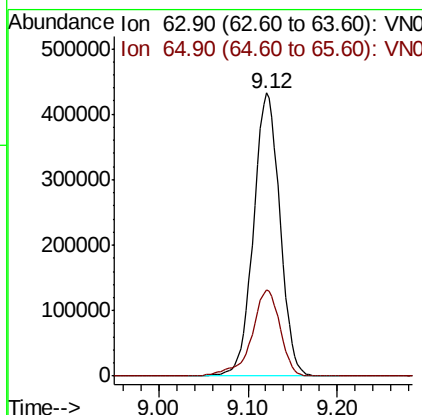
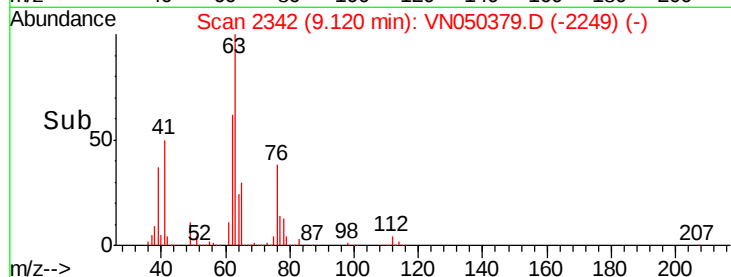
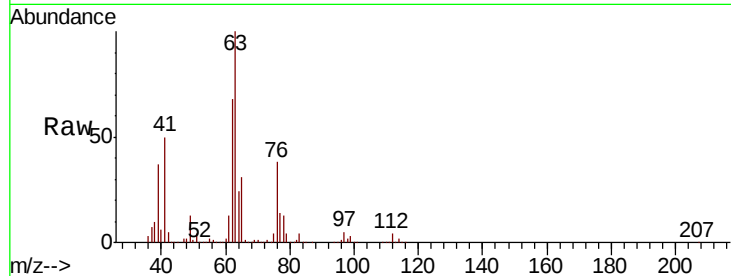




#45
 1,2-Dichloropropane
 Concen: 99.748 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

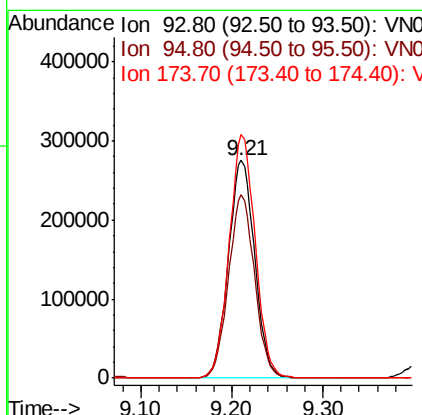
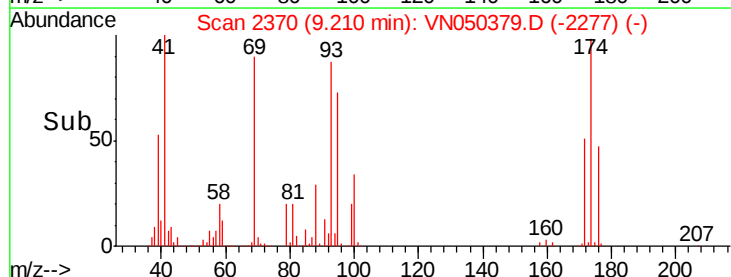
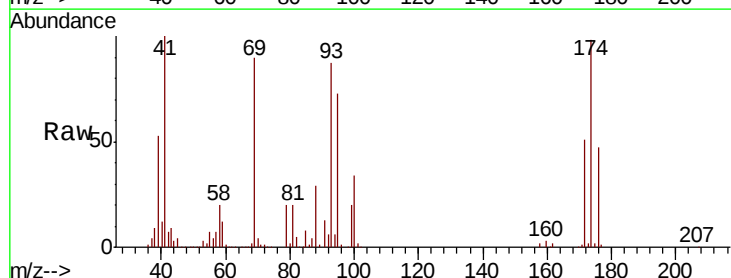
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

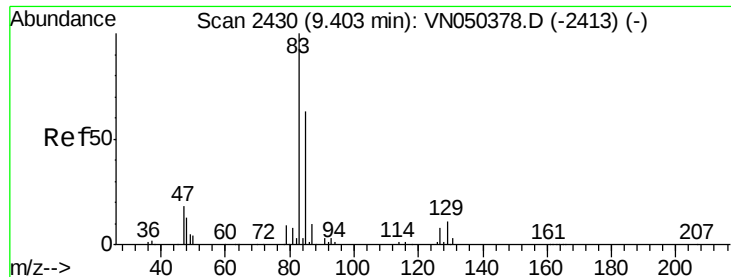
Tot Ion: 63 Resp: 895078
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.5 38.3



#46
 Dibromomethane
 Concen: 100.077 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Tgt Ion: 93 Resp: 554548
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.6 100.0
 174 110.8 87.1 130.7





#47

Bromodichloromethane

Concen: 99.995 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

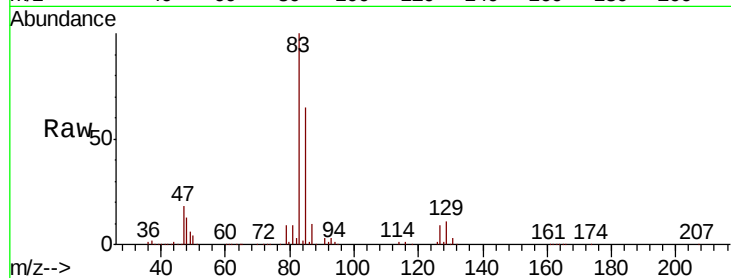
Tot Ion: 83 Resp: 1147674

Ion Ratio Lower Upper

83 100

85 64.5 51.1 76.7

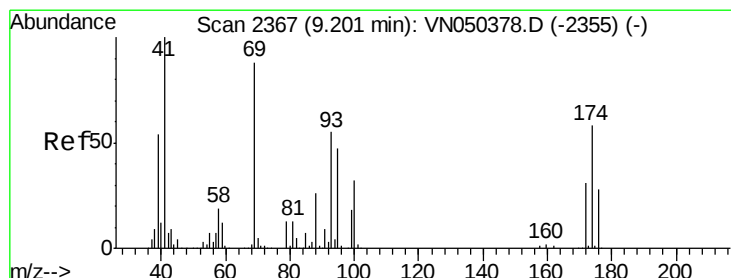
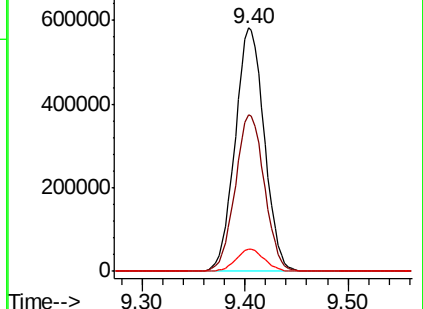
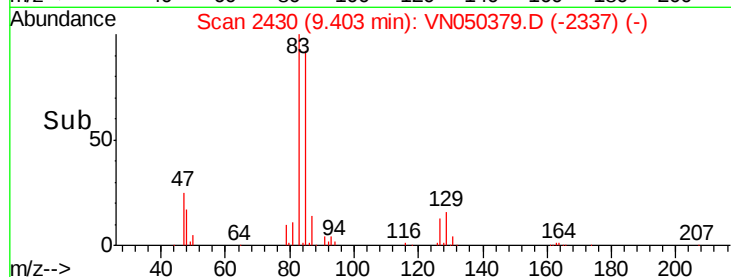
127 9.0 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN050379.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050379.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050379.D (-2337) (-)



#48

Methyl methacrylate

Concen: 105.860 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

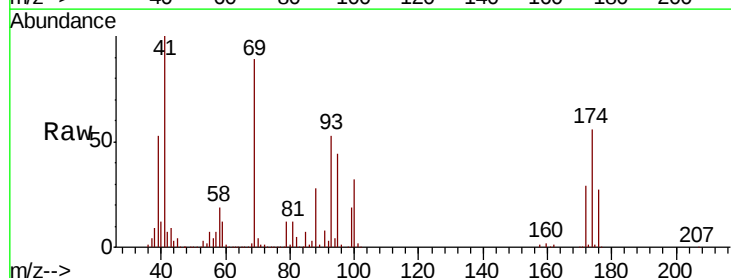
Tgt Ion: 41 Resp: 732254

Ion Ratio Lower Upper

41 100

69 91.3 70.6 105.8

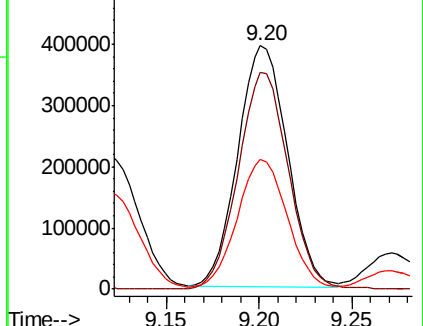
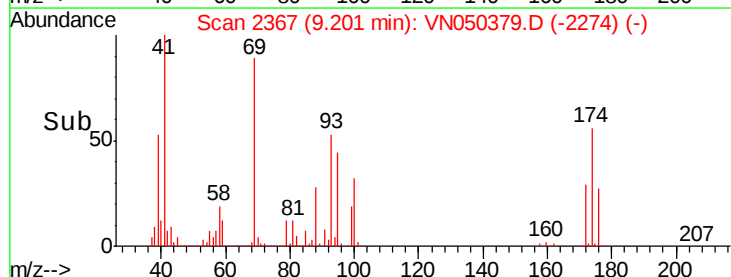
39 54.4 43.9 65.9

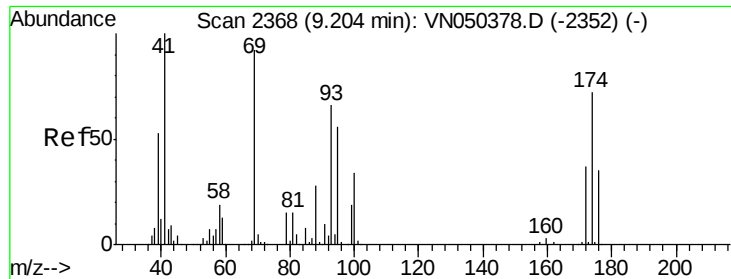


Abundance Ion 41.00 (40.70 to 41.70): VN050379.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN050379.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN050379.D (-2274) (-)

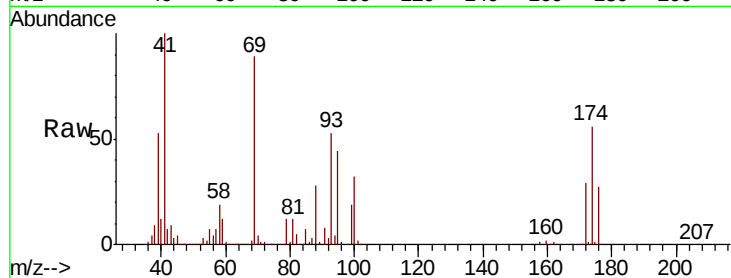




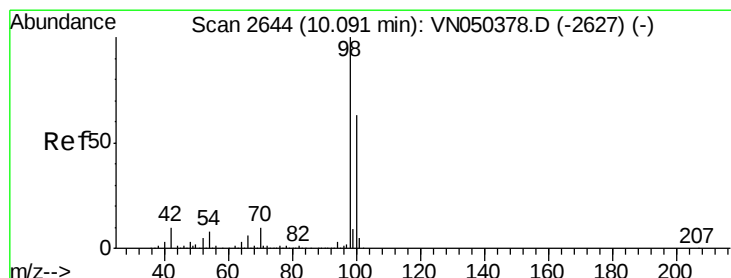
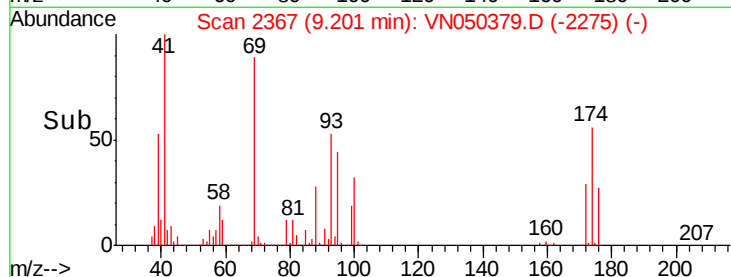
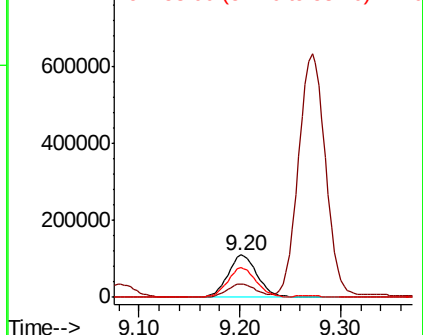
#49
1,4-Dioxane
Concen: 2116.433 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 88 Resp: 225665
Ion Ratio Lower Upper
88 100
43 30.5 26.9 40.3
58 68.6 57.3 85.9

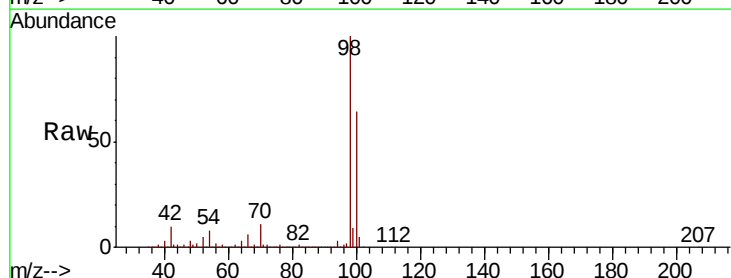


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

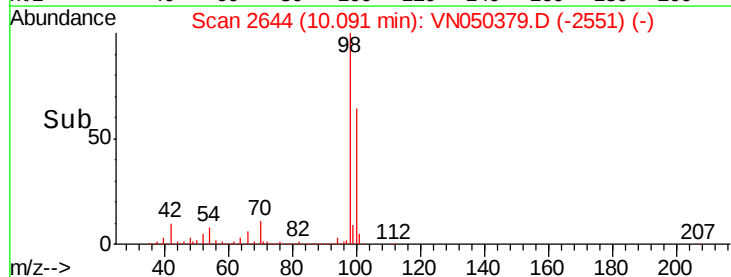
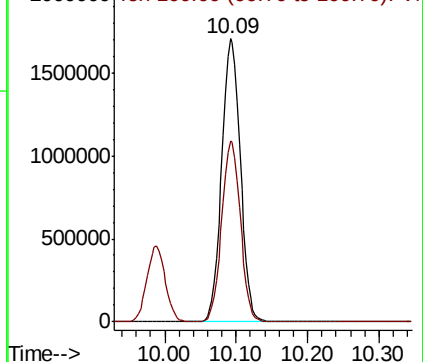


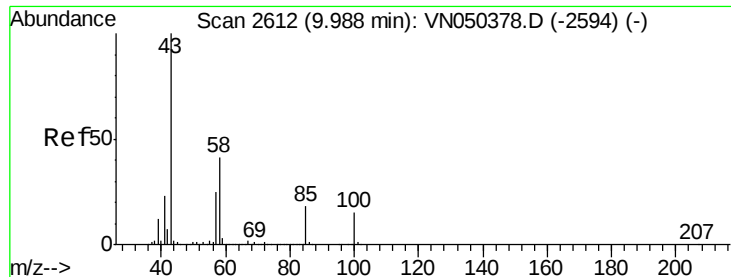
#50
Toluene-d8
Concen: 101.620 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion: 98 Resp: 3097657
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 537.489 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

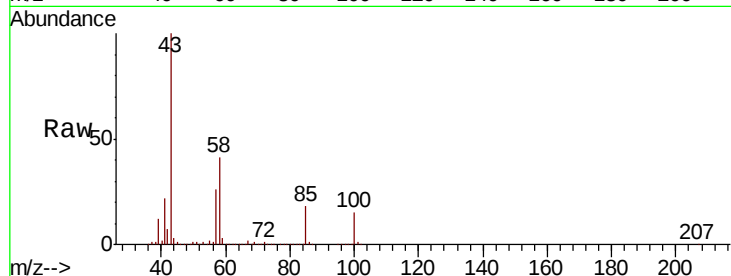
VSTDIC100

Tot Ion: 43 Resp: 5342365

Ion Ratio Lower Upper

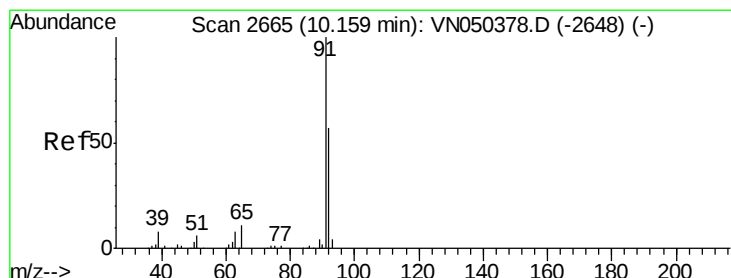
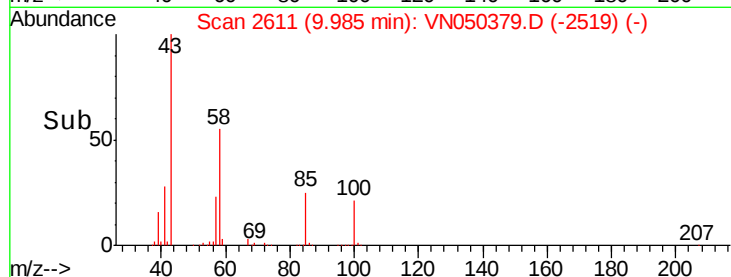
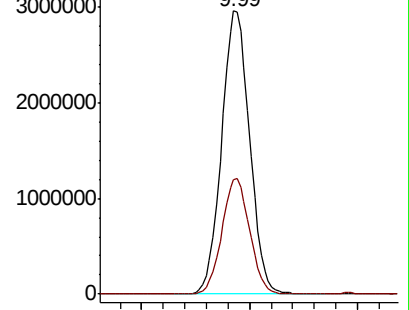
43 100

58 40.6 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2594) (-)

Ion 58.00 (57.70 to 58.70): VN050378.D (-2594) (-)



#52

Toluene

Concen: 105.153 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050379.D

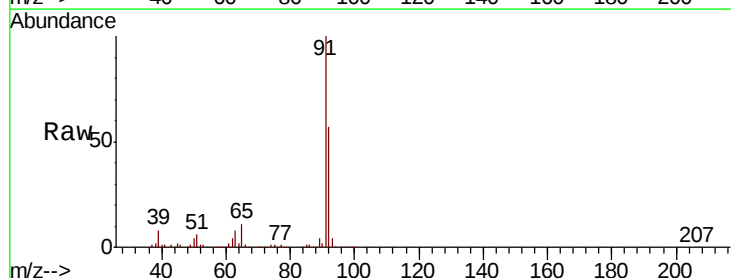
Acq: 6 Aug 2018 12:49

Tgt Ion: 92 Resp: 2155782

Ion Ratio Lower Upper

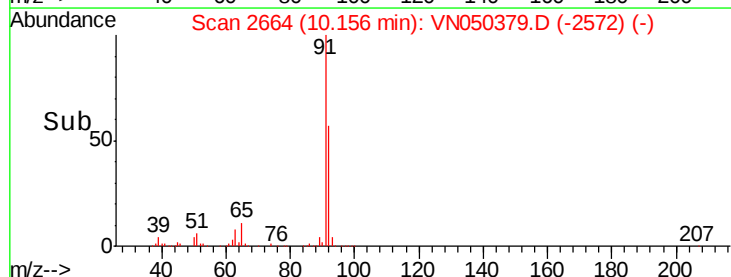
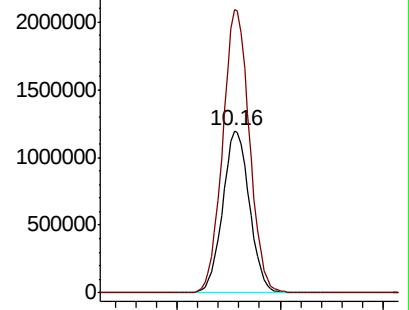
92 100

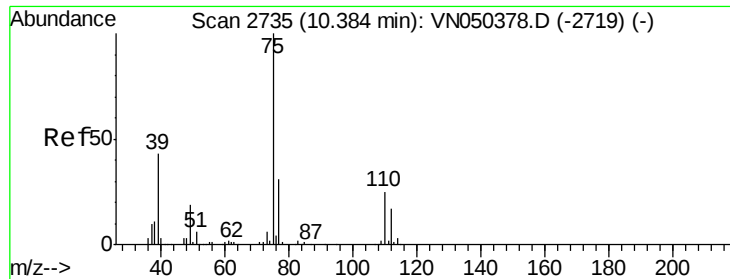
91 175.4 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN050378.D (-2648) (-)

Ion 91.00 (90.70 to 91.70): VN050378.D (-2648) (-)





#53

t-1,3-Dichloropropene

Concen: 108.525 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

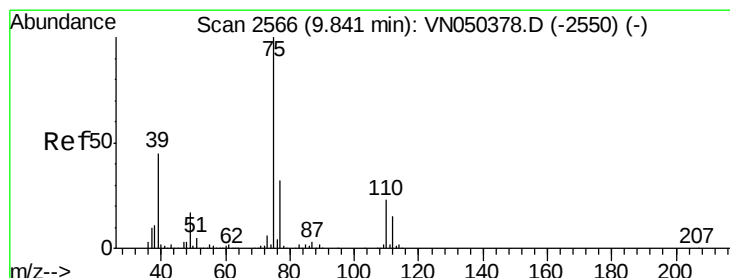
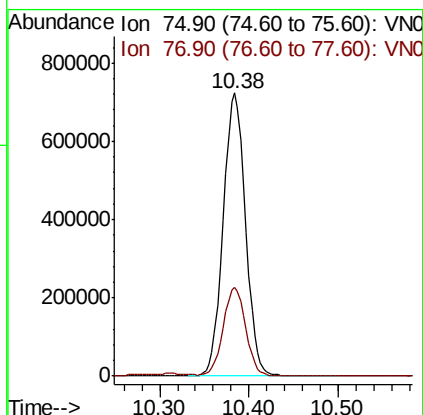
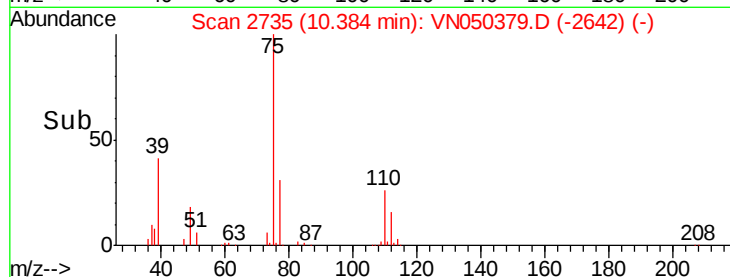
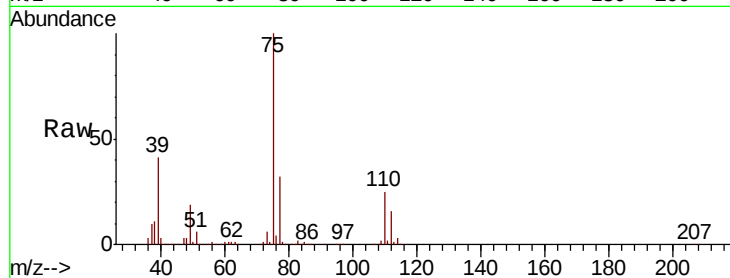
VSTDIC100

Tot Ion: 75 Resp: 1250617

Ion Ratio Lower Upper

75 100

77 31.4 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 106.920 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

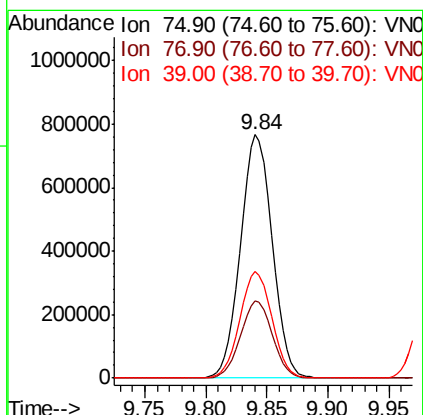
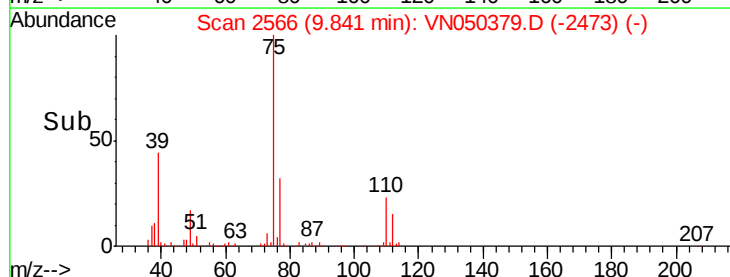
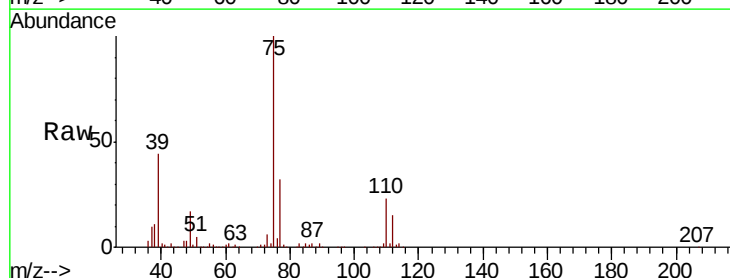
Tgt Ion: 75 Resp: 1375107

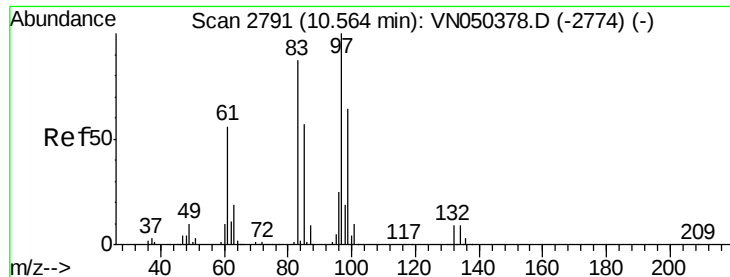
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 43.7 36.6 55.0

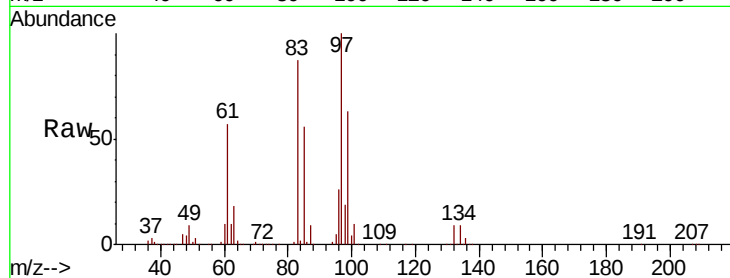




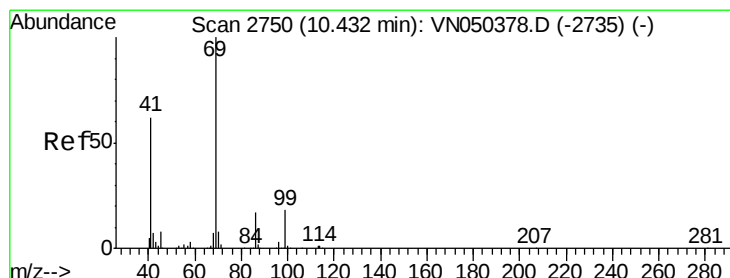
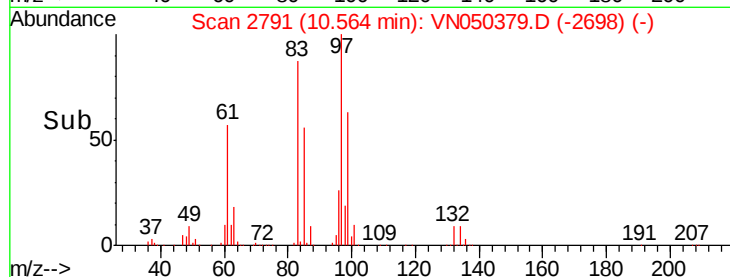
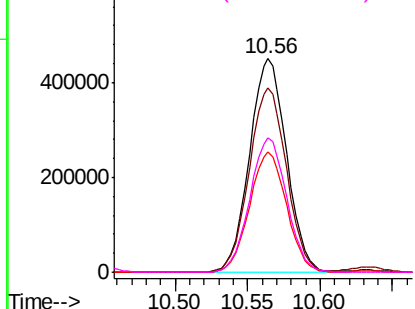
#55
 1,1,2-Trichloroethane
 Concen: 100.007 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	800457
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.2	103.8
85	56.1	44.0	66.0
99	62.7	49.9	74.9

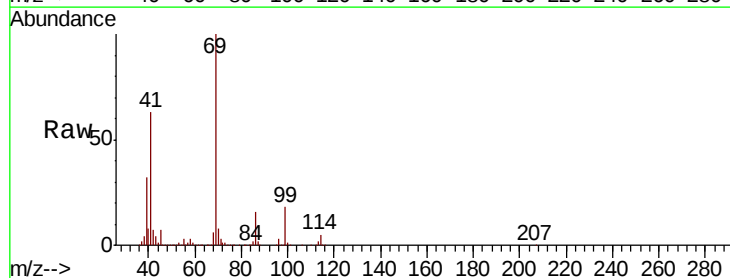


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

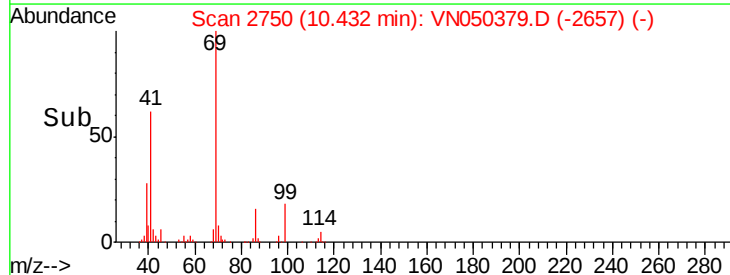
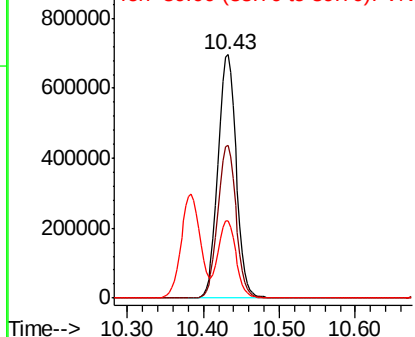


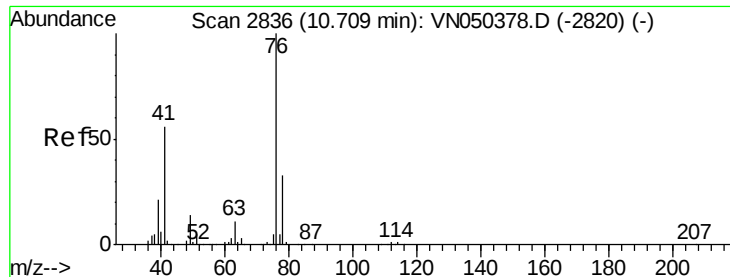
#56
 Ethyl methacrylate
 Concen: 100.454 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Tgt Ion:	69	Resp:	1158078
Ion	Ratio	Lower	Upper
69	100		
41	62.7	51.0	76.4
39	31.0	26.6	40.0



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 103.296 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

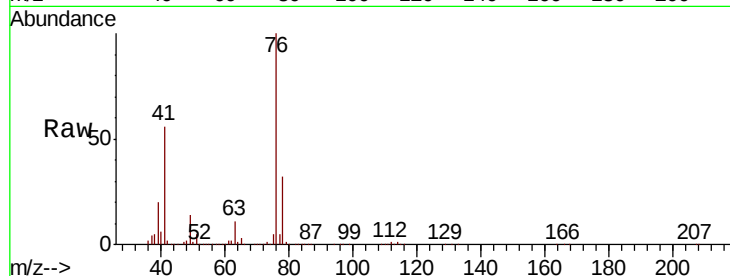
VSTDICC100

Tot Ion: 76 Resp: 1357065

Ion Ratio Lower Upper

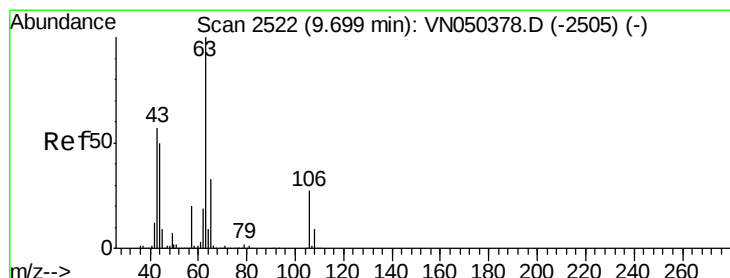
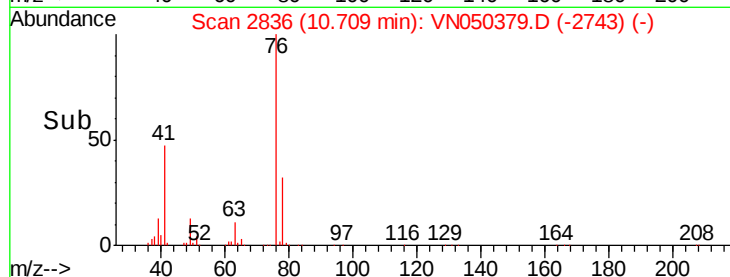
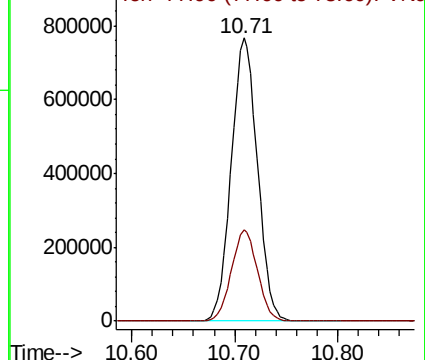
76 100

78 32.2 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 500.498 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050379.D

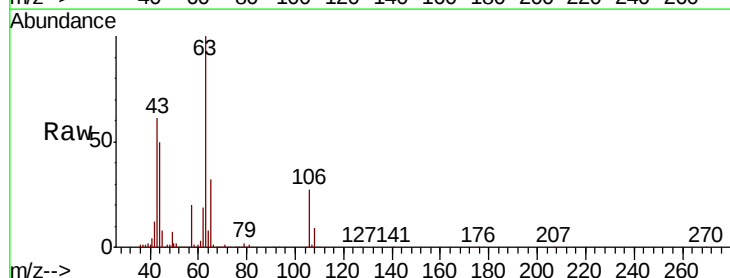
Acq: 6 Aug 2018 12:49

Tgt Ion: 63 Resp: 2682717

Ion Ratio Lower Upper

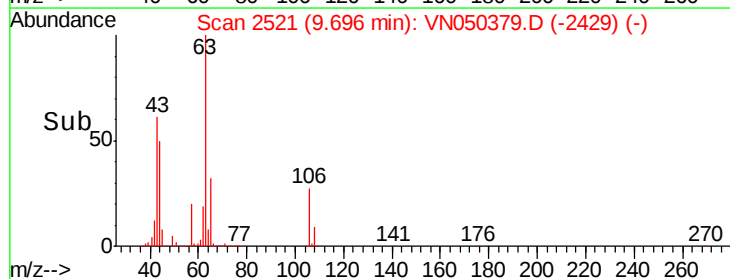
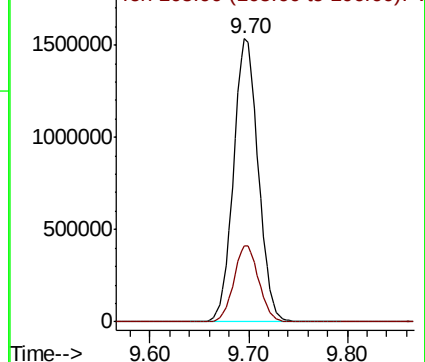
63 100

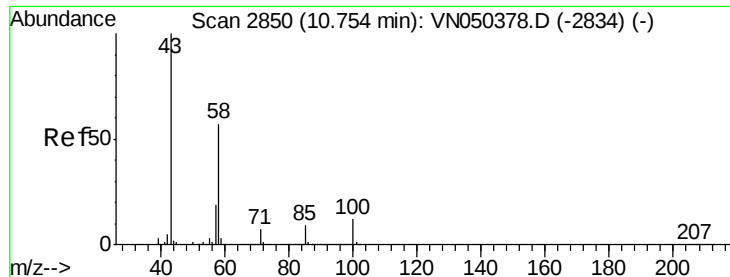
106 27.1 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

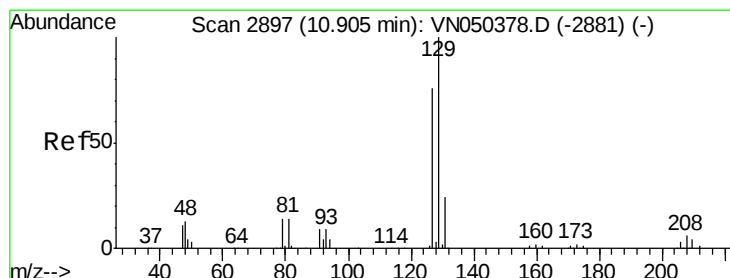
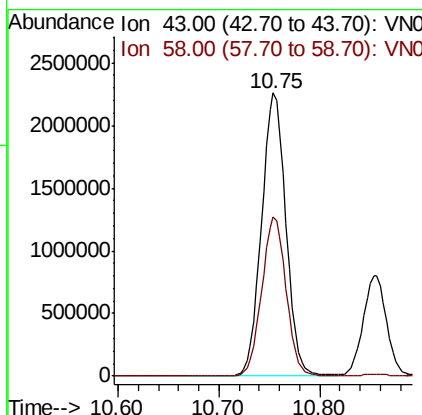
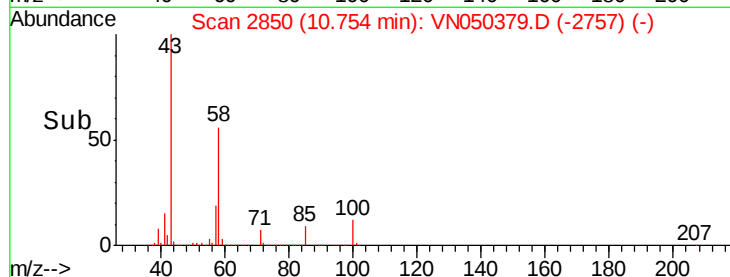
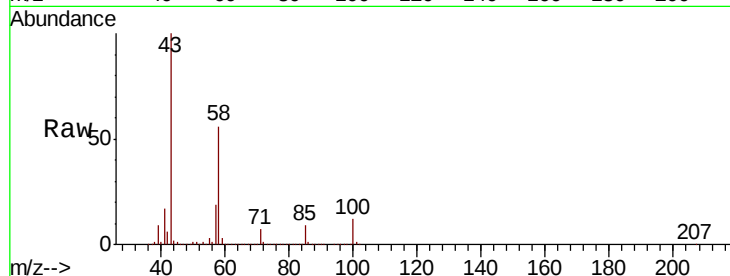




#59
2-Hexanone
Concen: 547.518 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

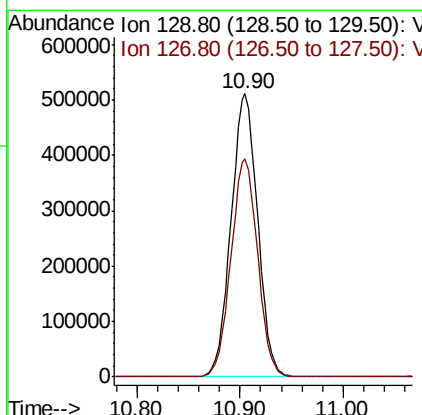
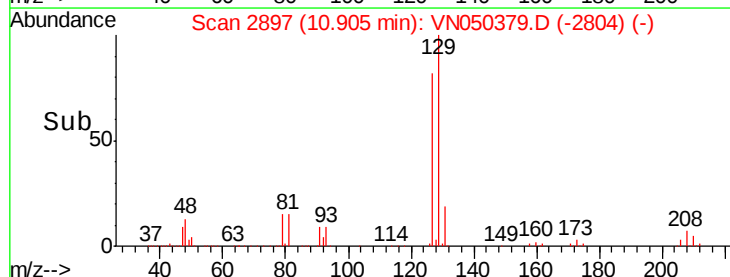
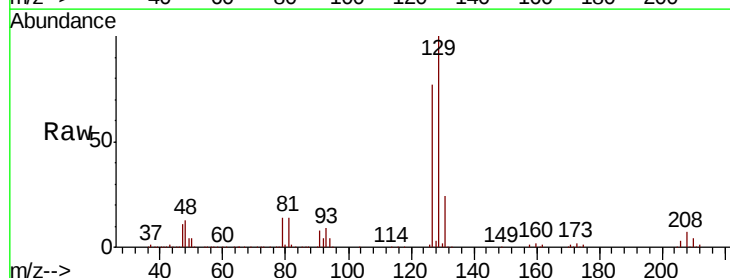
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

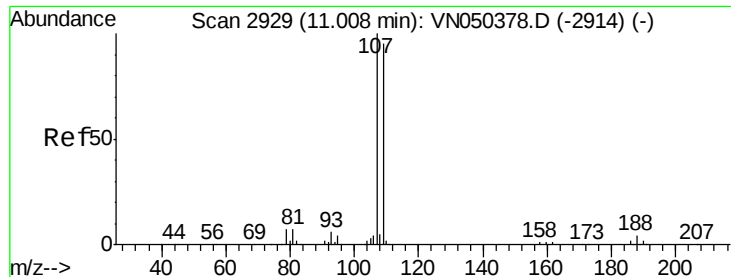
Tot Ion: 43 Resp: 3797941
Ion Ratio Lower Upper
43 100
58 56.3 27.6 82.7



#60
Dibromochloromethane
Concen: 104.029 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion: 129 Resp: 917285
Ion Ratio Lower Upper
129 100
127 77.3 38.0 113.9





#61

1,2-Dibromoethane

Concen: 105.285 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

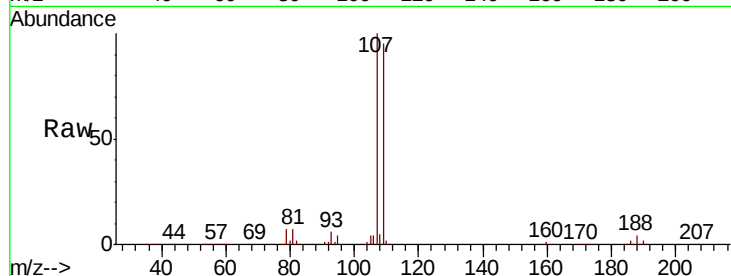
VSTDIC100

Tot Ion:107 Resp: 830637

Ion Ratio Lower Upper

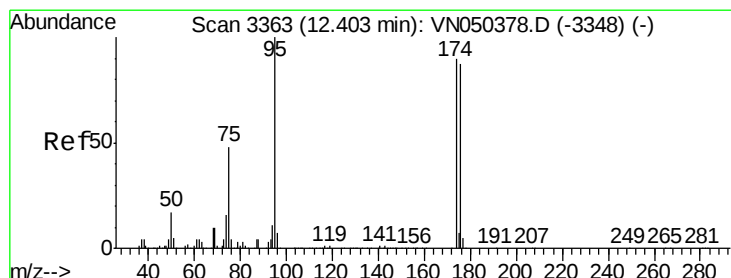
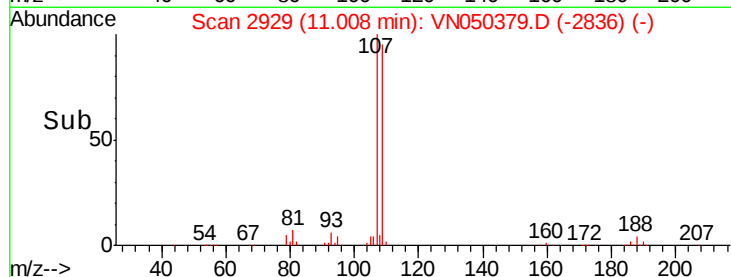
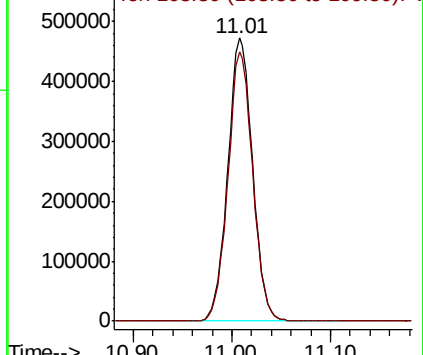
107 100

109 94.9 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 106.367 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

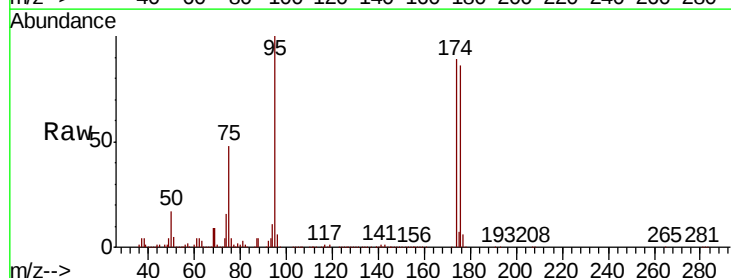
Tgt Ion: 95 Resp: 1105061

Ion Ratio Lower Upper

95 100

174 89.6 0.0 178.2

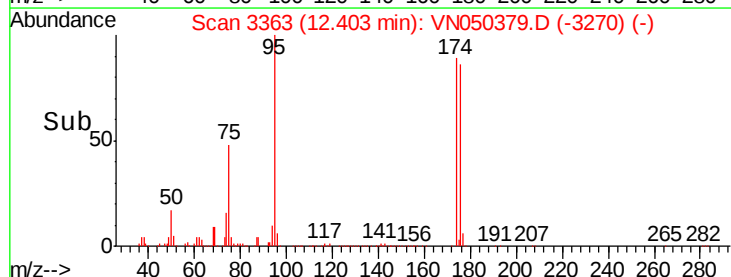
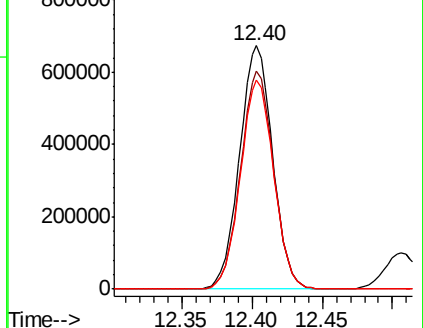
176 86.6 0.0 173.4

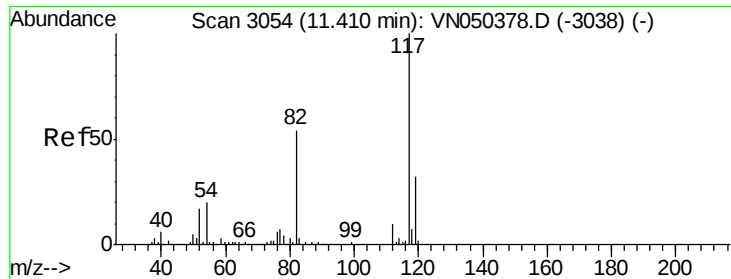


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

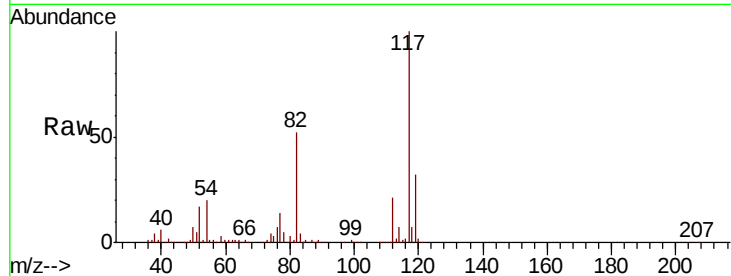




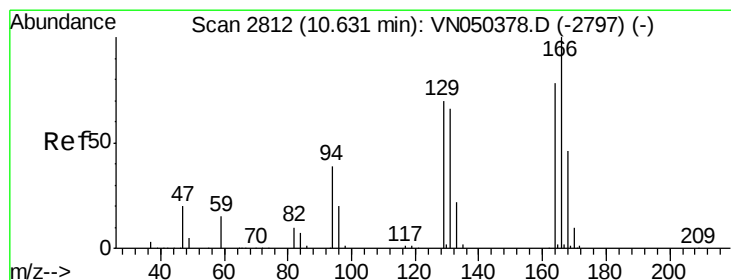
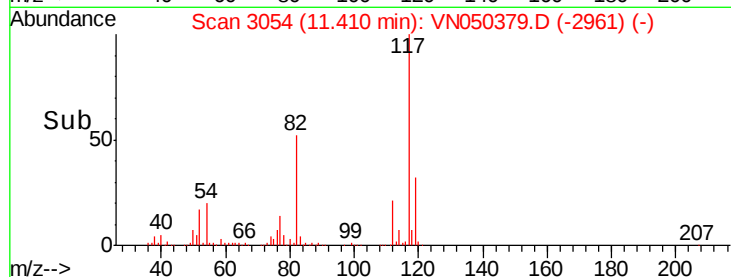
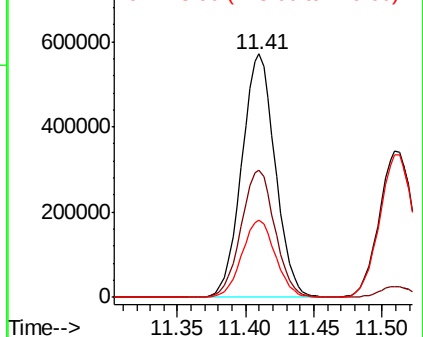
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 971873
Ion Ratio Lower Upper
117 100
82 52.5 43.7 65.5
119 31.7 26.1 39.1

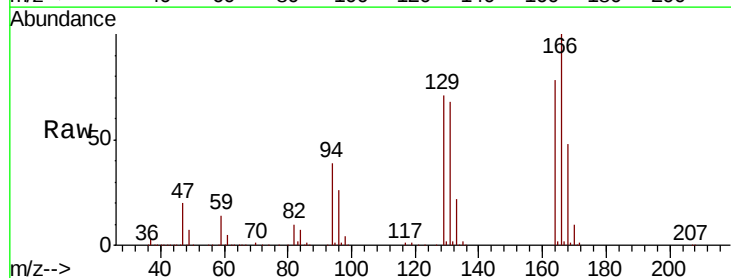


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

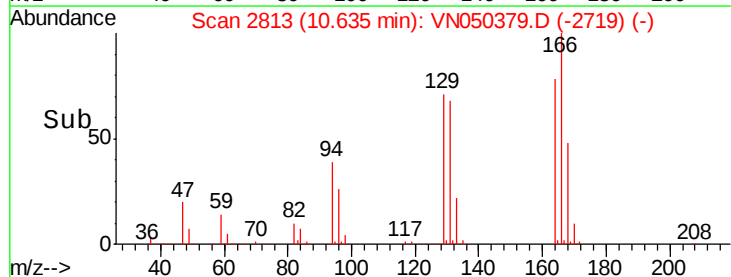
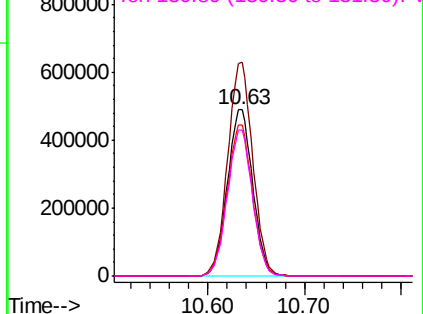


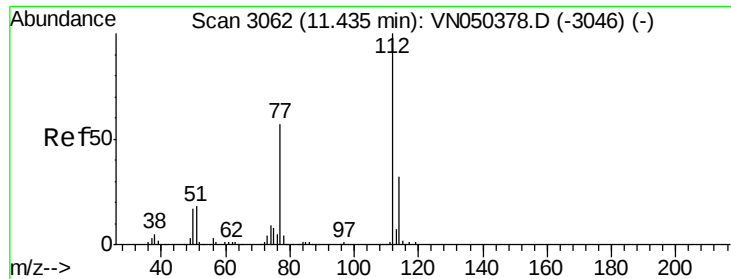
#64
Tetrachloroethene
Concen: 97.715 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion:164 Resp: 887347
Ion Ratio Lower Upper
164 100
166 128.6 102.1 153.1
129 91.0 73.2 109.8
131 88.0 70.6 106.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

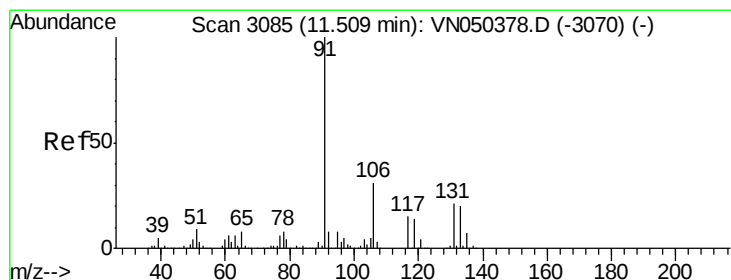
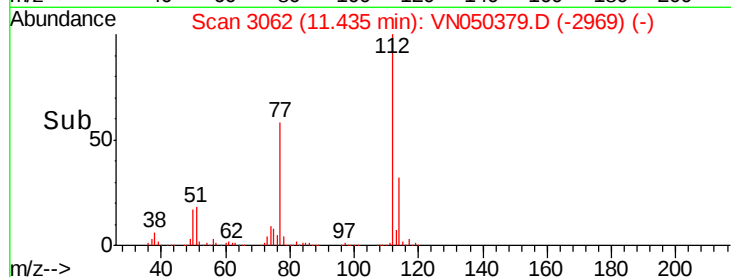
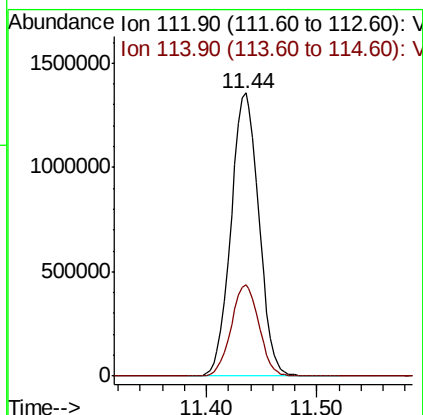
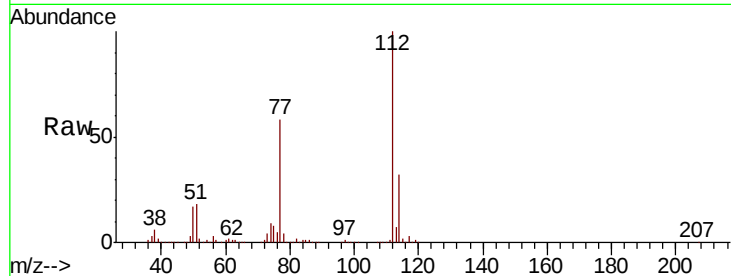




#65
Chlorobenzene
Concen: 97.419 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

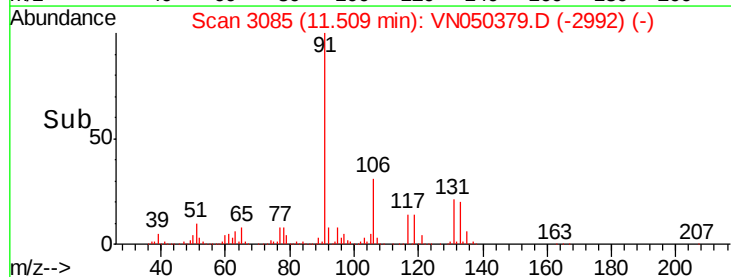
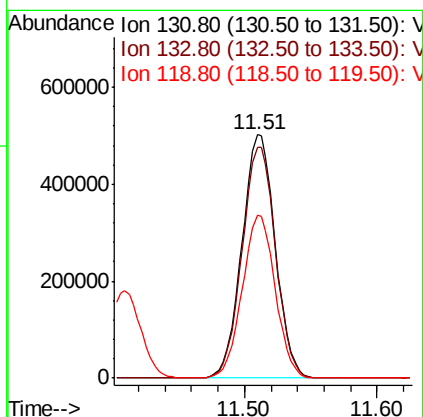
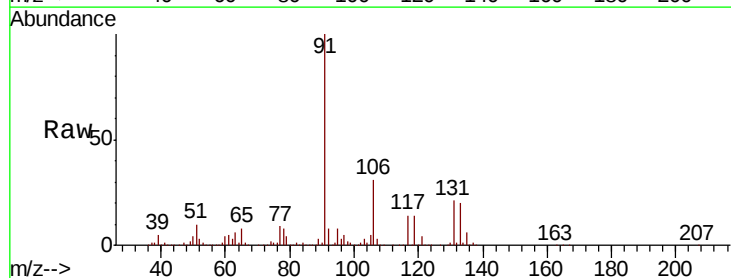
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

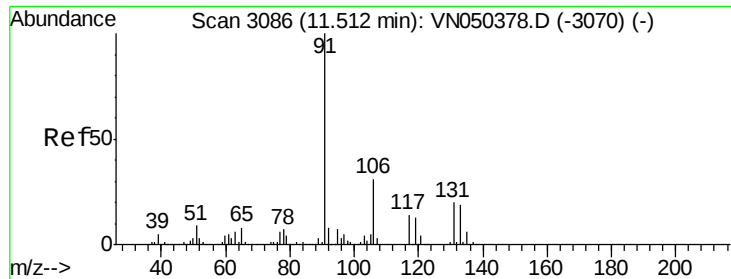
Tot Ion:112 Resp: 2373614
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 98.328 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion:131 Resp: 871951
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.9
119 66.3 32.9 98.7





#67

Ethyl Benzene

Concen: 105.985 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

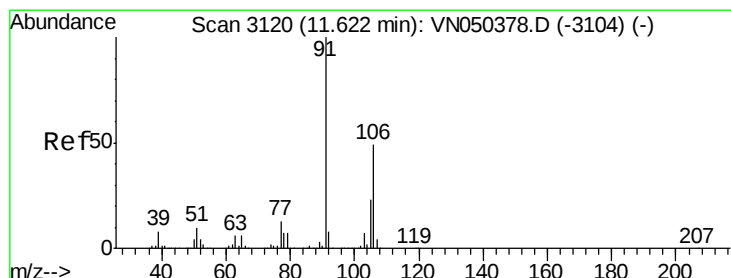
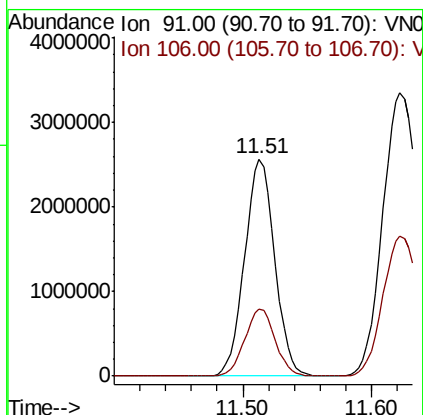
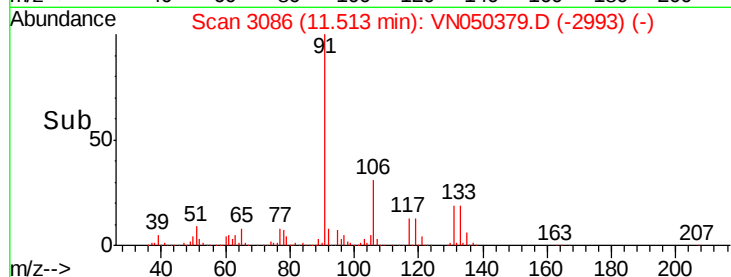
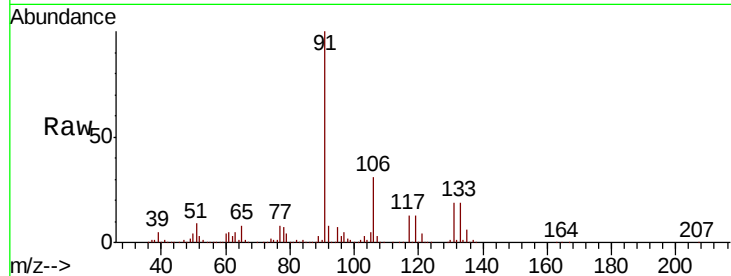
VSTDIC100

Tot Ion: 91 Resp: 4174171

Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.4



#68

m/p-Xylenes

Concen: 214.549 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050379.D

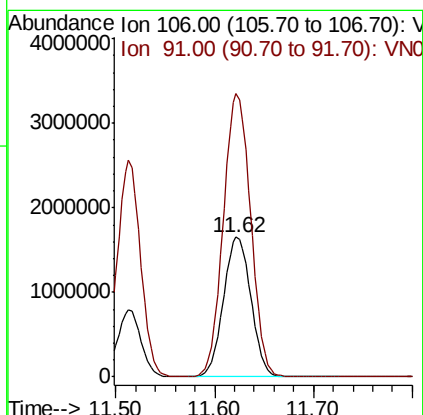
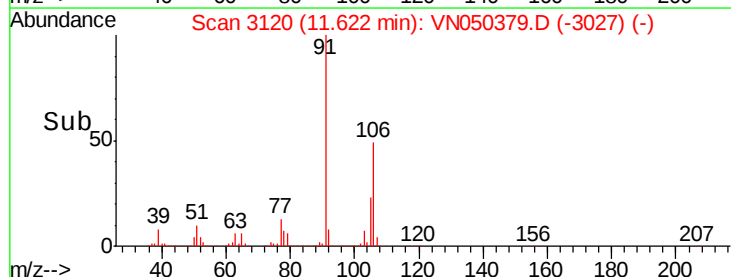
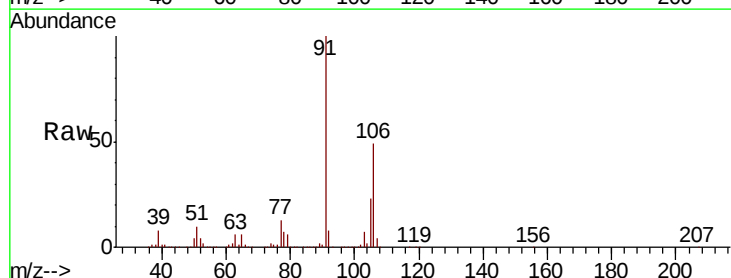
Acq: 6 Aug 2018 12:49

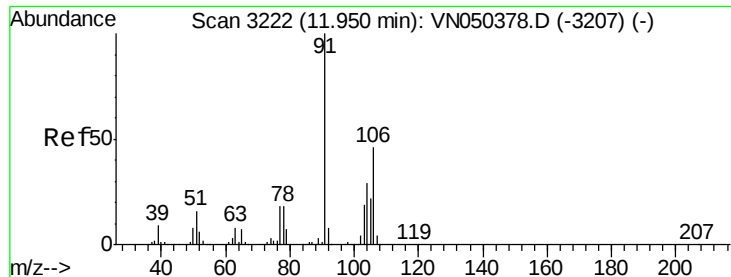
Tgt Ion: 106 Resp: 3216866

Ion Ratio Lower Upper

106 100

91 202.2 162.2 243.2

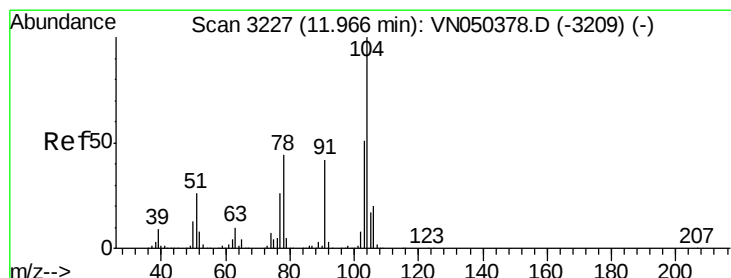
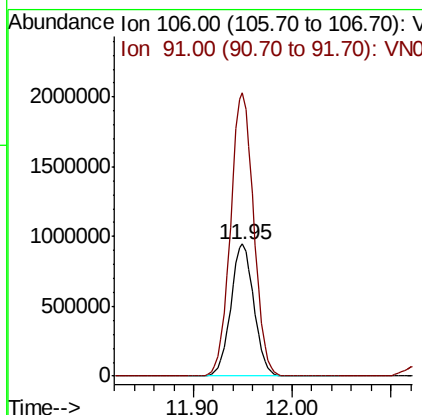
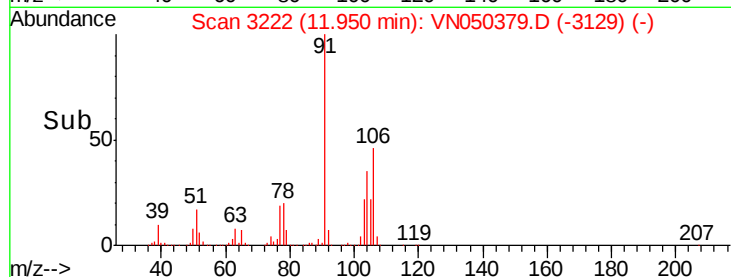
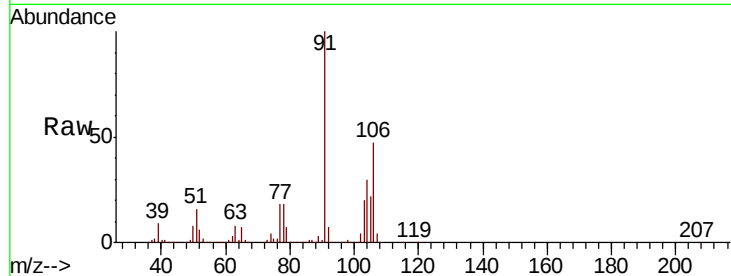




#69
o-Xylene
Concen: 106.875 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

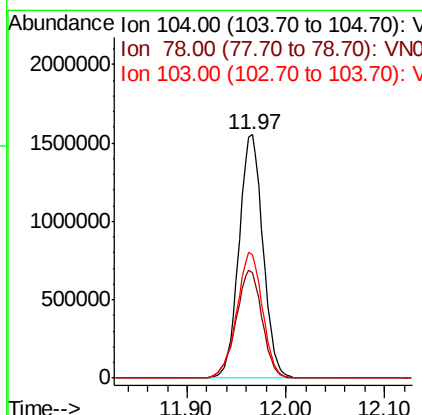
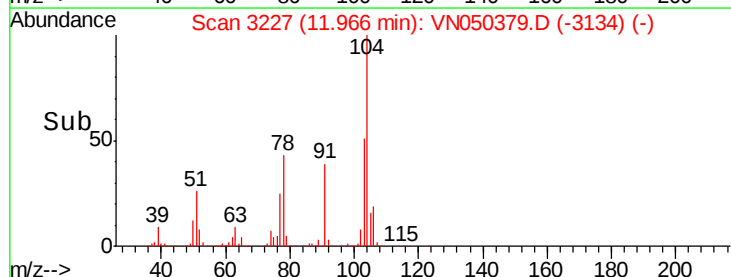
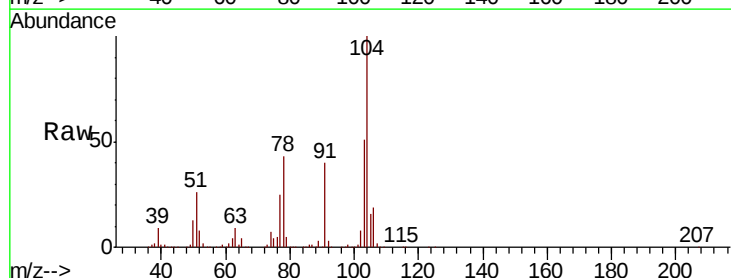
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

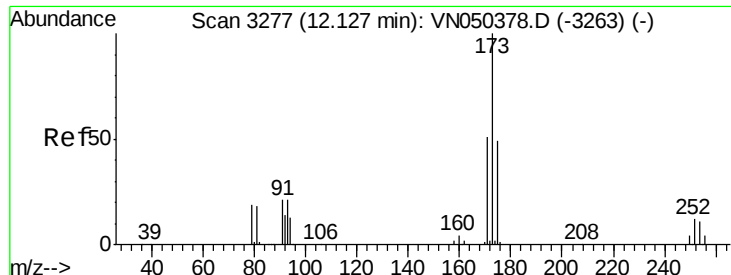
Tot Ion:106 Resp: 1543622
Ion Ratio Lower Upper
106 100
91 215.4 107.7 323.1



#70
Styrene
Concen: 110.826 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion:104 Resp: 2603012
Ion Ratio Lower Upper
104 100
78 48.3 39.3 58.9
103 55.4 45.0 67.6





#71

Bromoform

Concen: 105.305 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

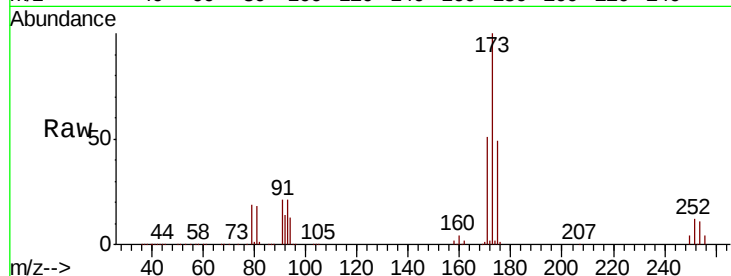
Tot Ion:173 Resp: 682489

Ion Ratio Lower Upper

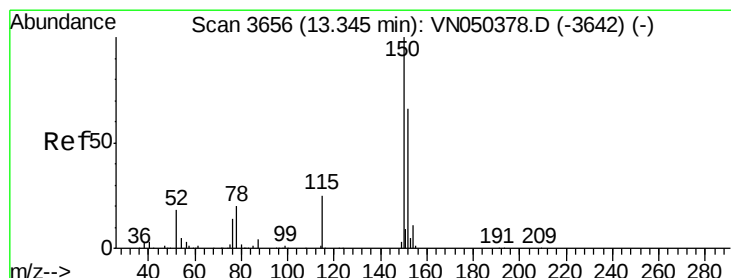
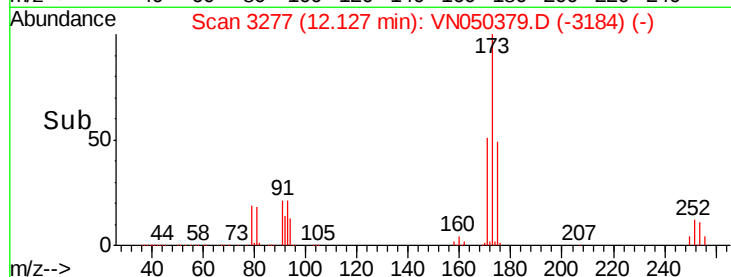
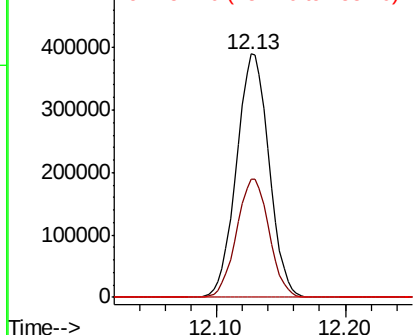
173 100

175 48.8 24.1 72.2

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

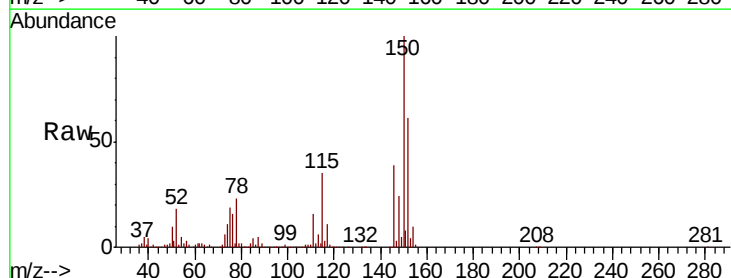
Tgt Ion:152 Resp: 545417

Ion Ratio Lower Upper

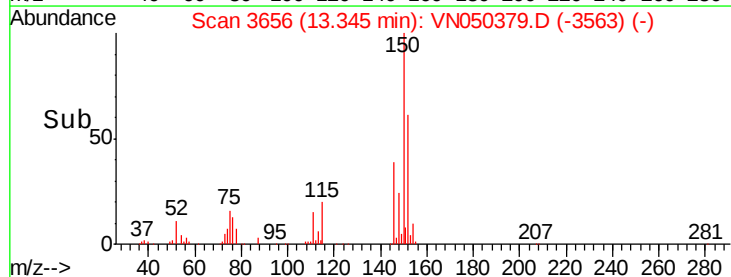
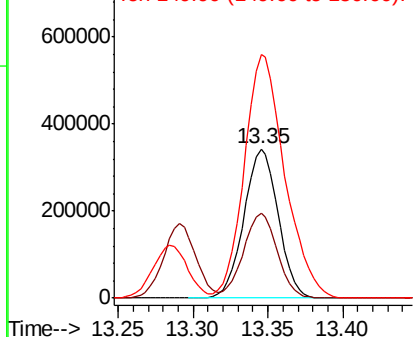
152 100

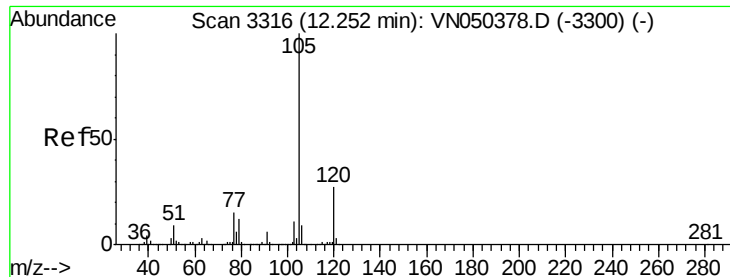
115 56.2 27.8 83.3

150 192.3 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 100.594 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

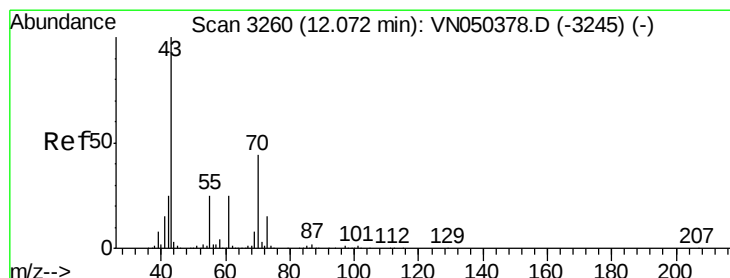
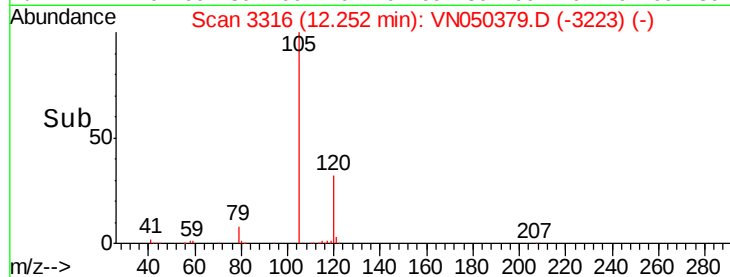
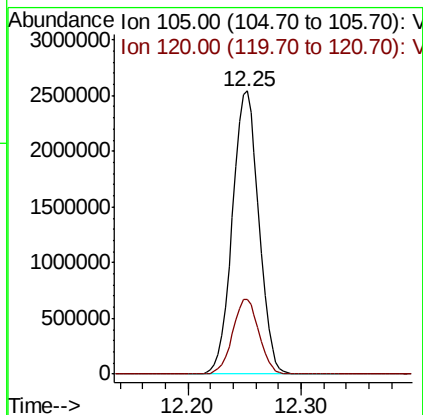
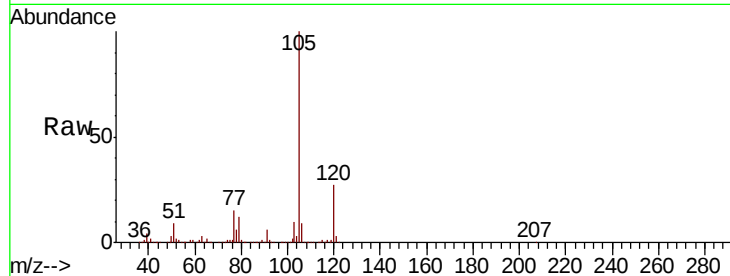
VSTDIC100

Tot Ion:105 Resp: 4118549

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 103.076 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Tgt Ion: 43 Resp: 1367927

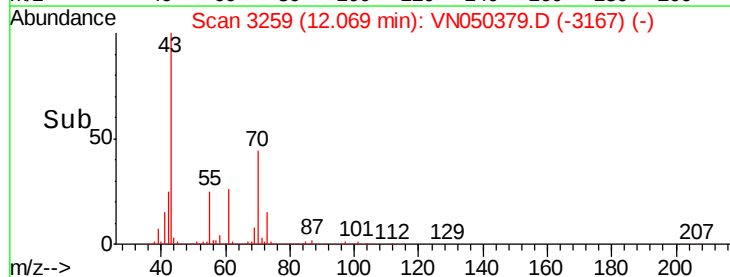
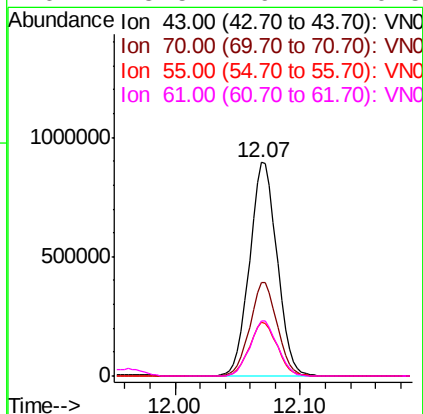
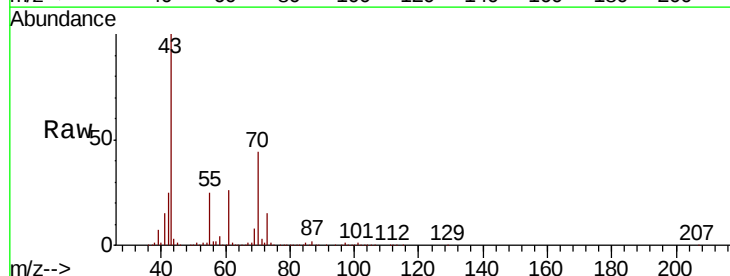
Ion Ratio Lower Upper

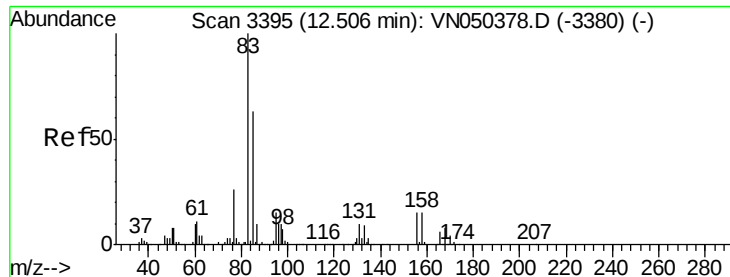
43 100

70 43.5 34.4 51.6

55 25.3 20.8 31.2

61 25.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 93.187 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

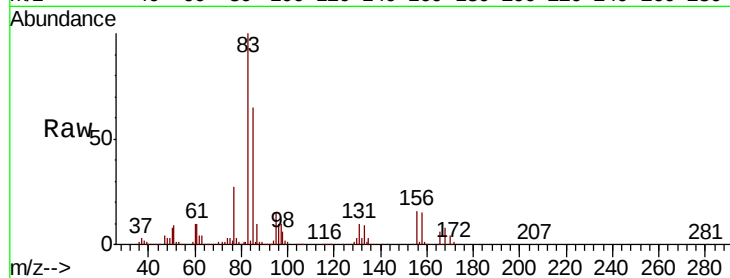
Tot Ion: 83 Resp: 1100747

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

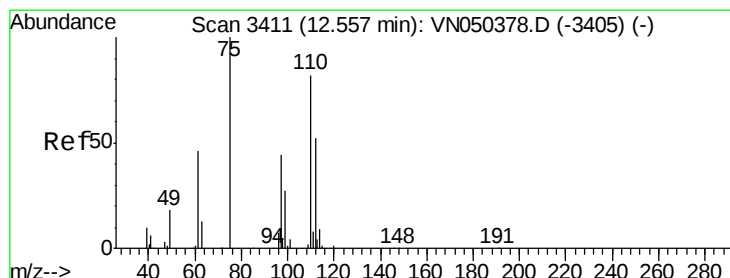
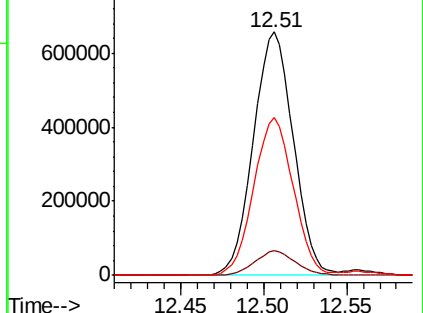
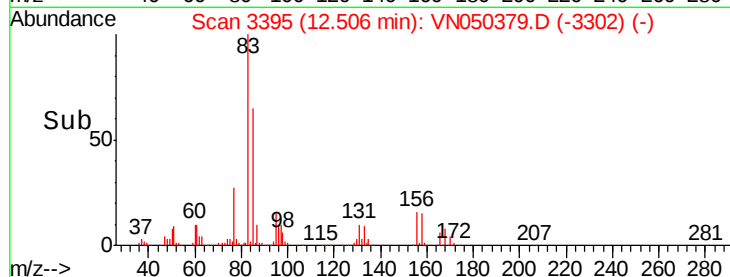
85 64.2 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN050379.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN050379.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN050379.D (-3302) (-)



#76

1,2,3-Trichloropropane

Concen: 138.849 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050379.D

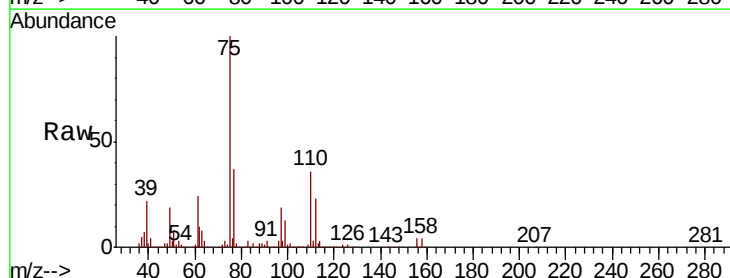
Acq: 6 Aug 2018 12:49

Tgt Ion: 75 Resp: 1370795

Ion Ratio Lower Upper

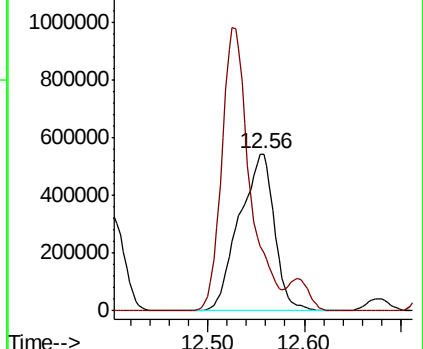
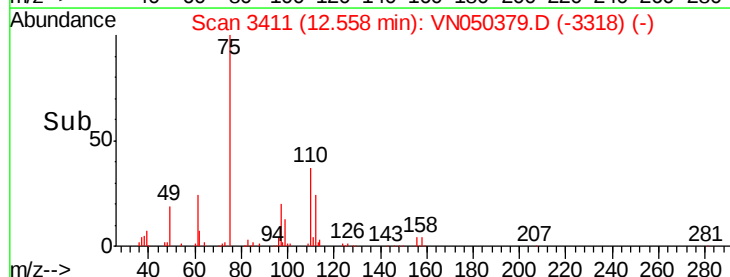
75 100

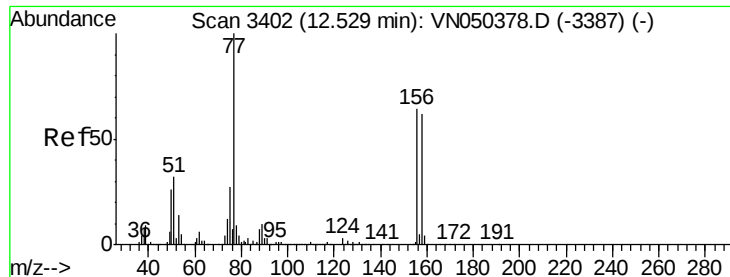
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050379.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN050379.D (-3318) (-)





#77

Bromobenzene

Concen: 97.680 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

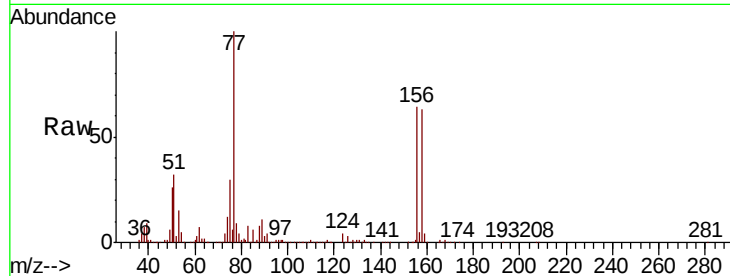
Tot Ion:156 Resp: 1071397

Ion Ratio Lower Upper

156 100

77 184.9 91.7 275.1

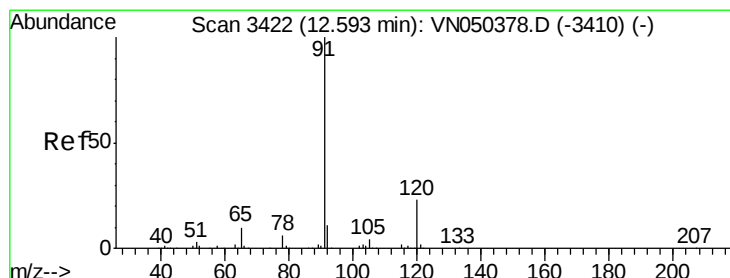
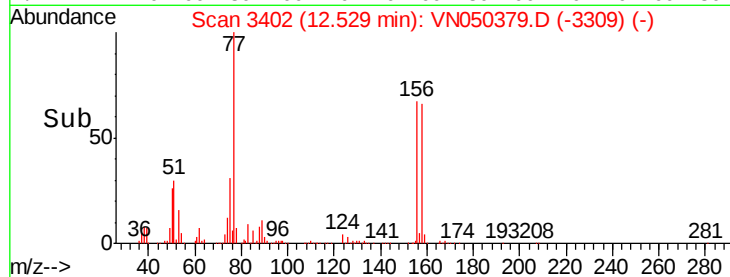
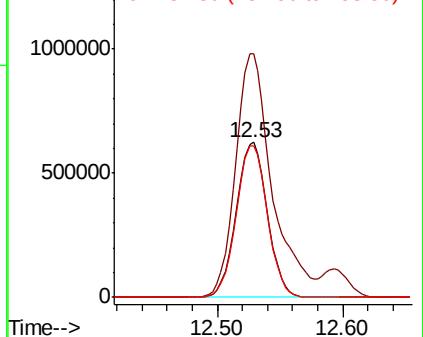
158 98.2 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 103.286 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050379.D

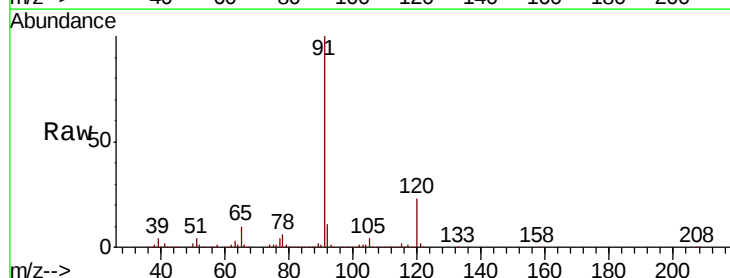
Acq: 6 Aug 2018 12:49

Tgt Ion: 91 Resp: 4786661

Ion Ratio Lower Upper

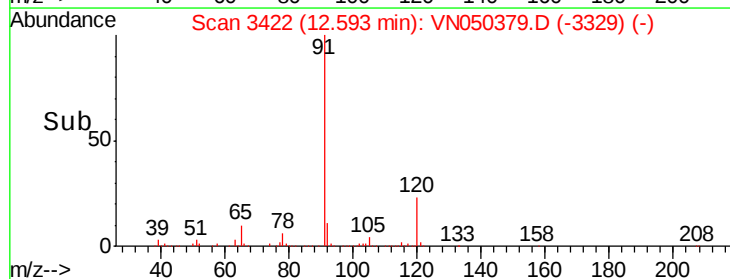
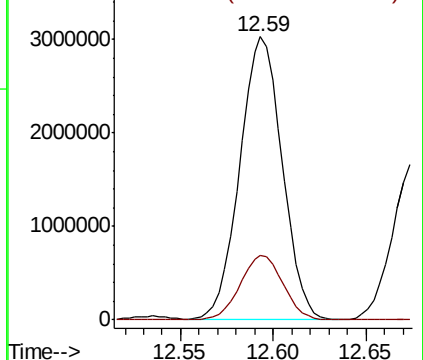
91 100

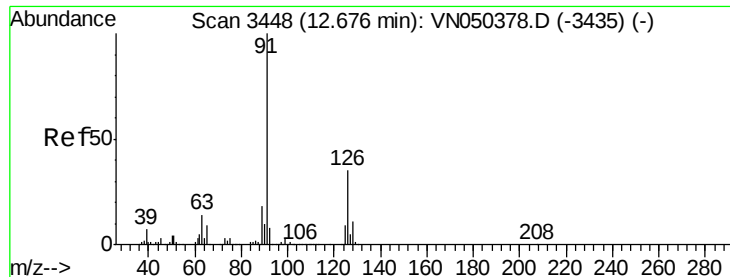
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 98.539 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

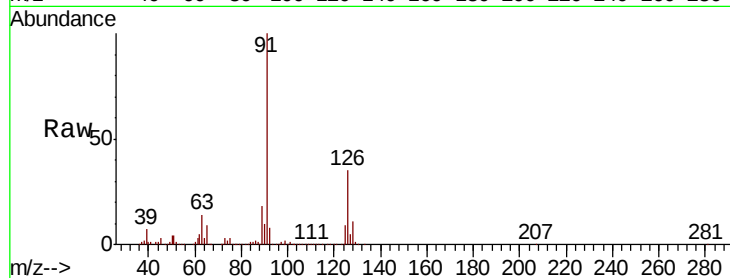
VSTDIC100

Tot Ion: 91 Resp: 2820420

Ion Ratio Lower Upper

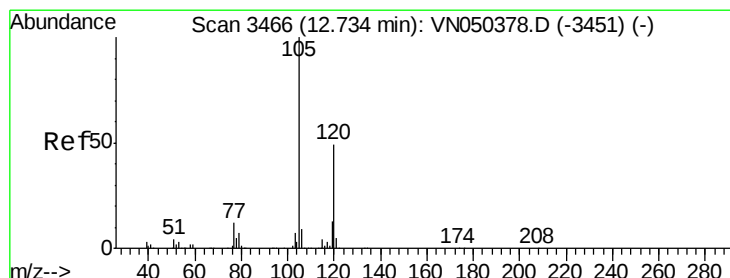
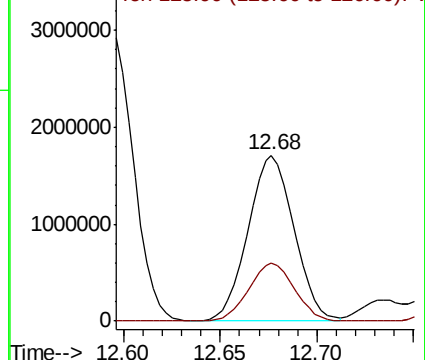
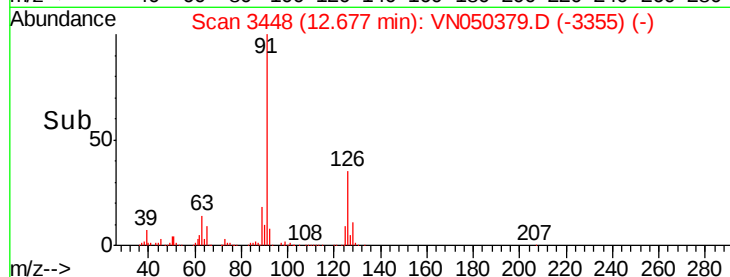
91 100

126 35.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050379.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050379.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 103.388 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050379.D

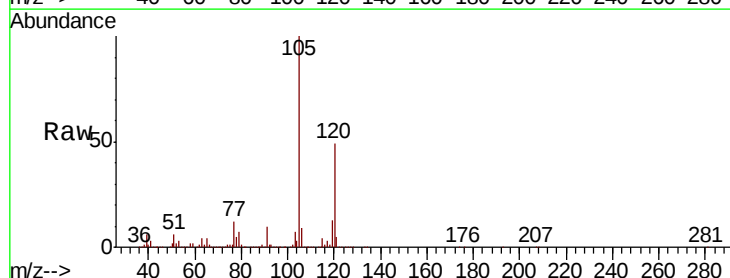
Acq: 6 Aug 2018 12:49

Tgt Ion:105 Resp: 3436137

Ion Ratio Lower Upper

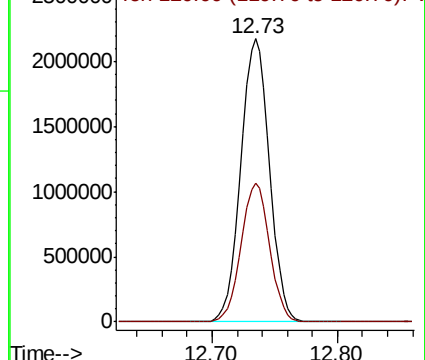
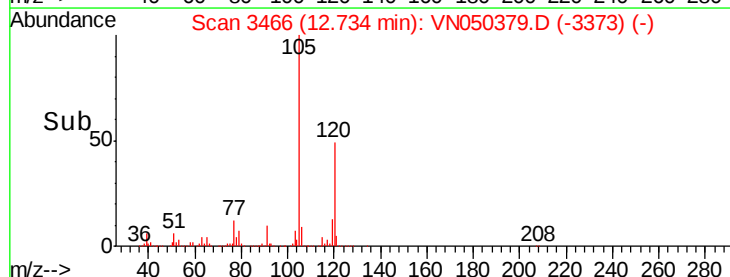
105 100

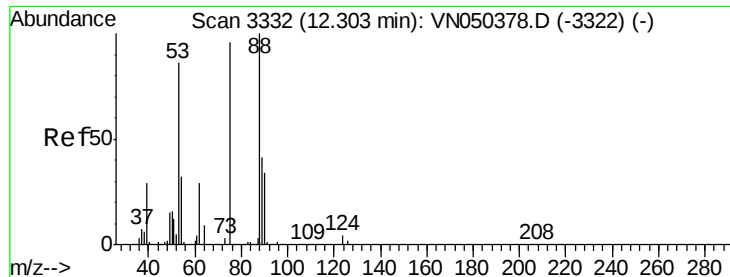
120 48.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050379.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN050379.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 111.148 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

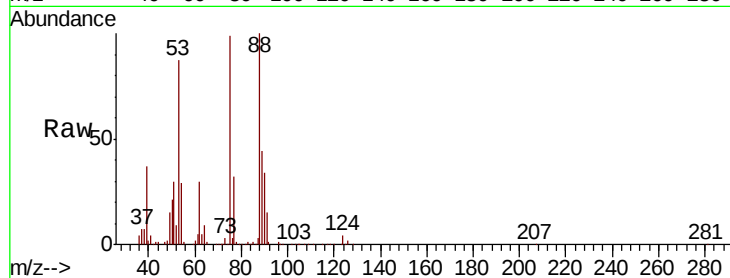
Tot Ion: 75 Resp: 312312

Ion Ratio Lower Upper

75 100

53 88.1 73.5 110.3

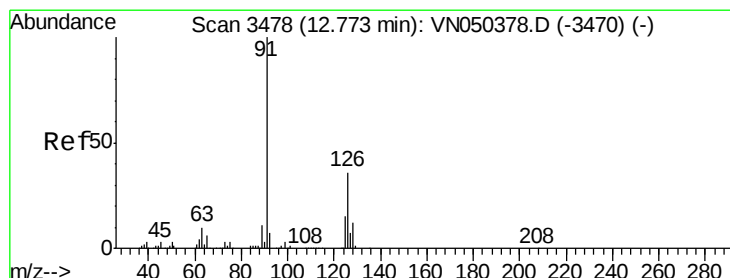
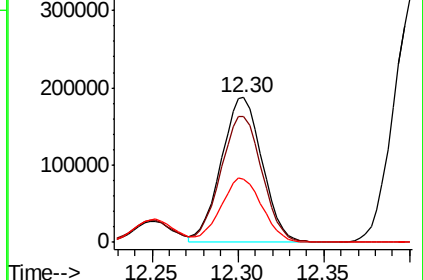
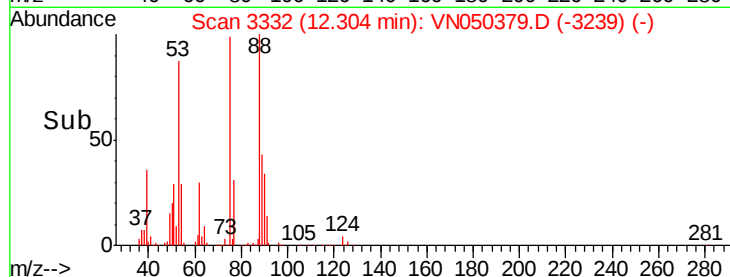
89 44.5 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 100.994 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050379.D

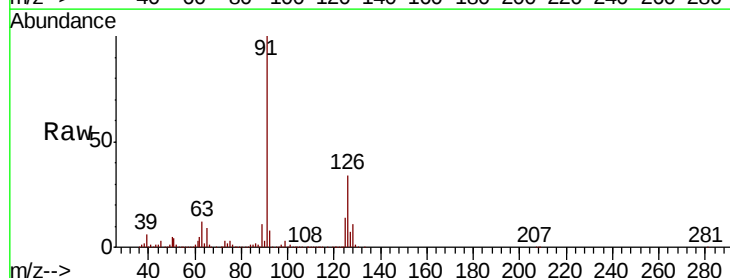
Acq: 6 Aug 2018 12:49

Tgt Ion: 91 Resp: 2882714

Ion Ratio Lower Upper

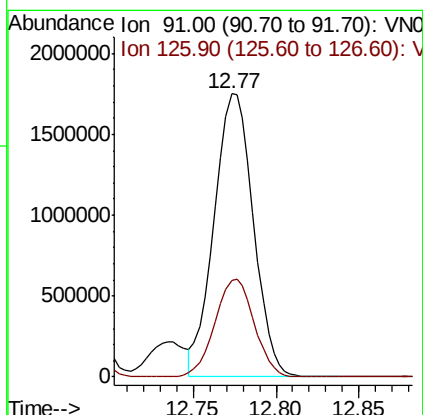
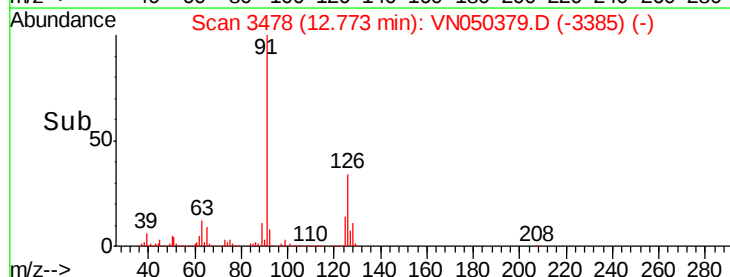
91 100

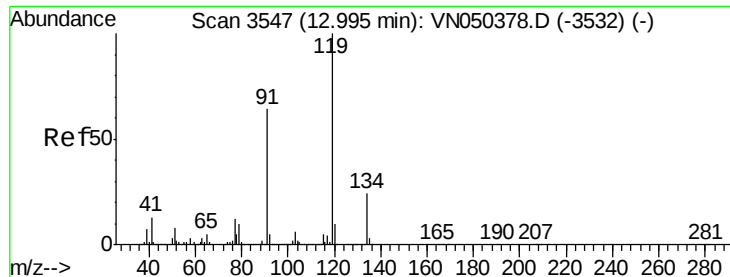
126 34.5 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 101.607 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

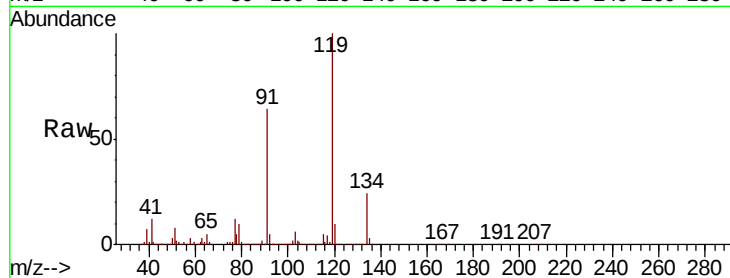
Tot Ion:119 Resp: 2945934

Ion Ratio Lower Upper

119 100

91 63.6 32.1 96.3

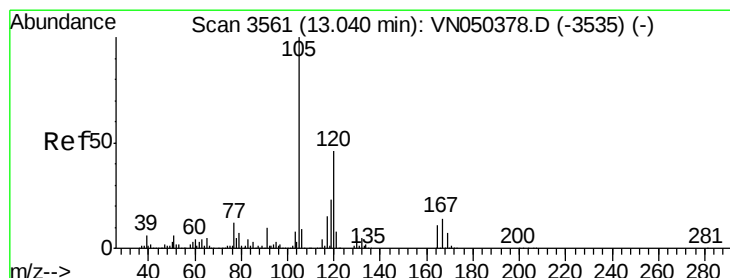
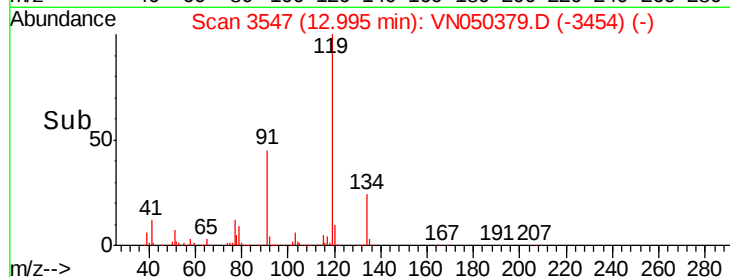
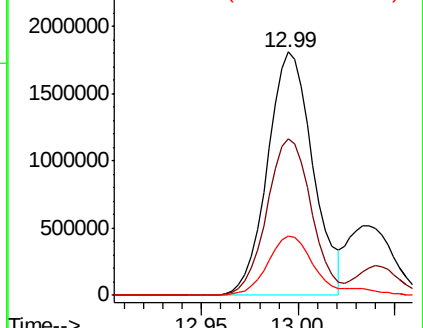
134 26.2 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 104.908 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050379.D

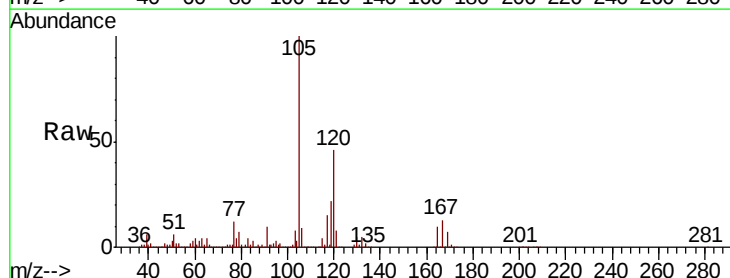
Acq: 6 Aug 2018 12:49

Tgt Ion:105 Resp: 3532002

Ion Ratio Lower Upper

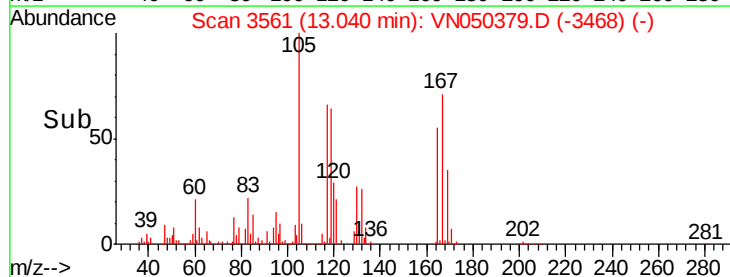
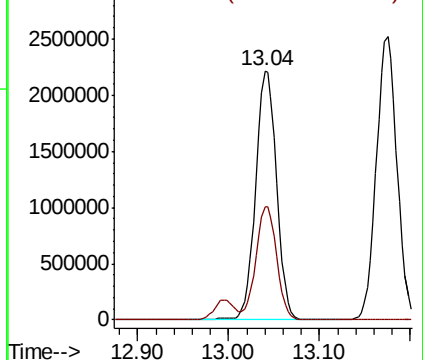
105 100

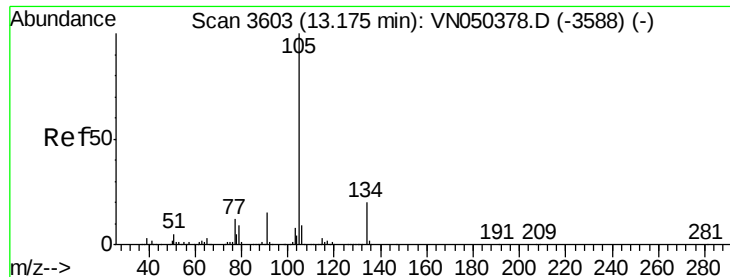
120 45.1 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 102.345 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

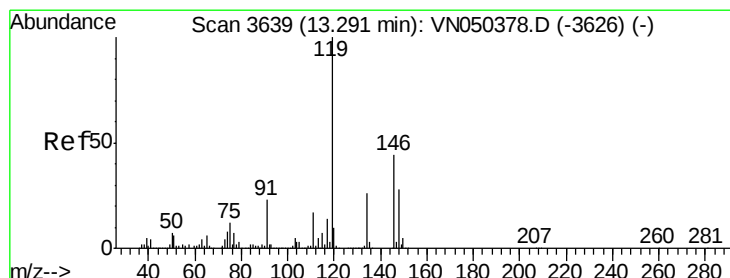
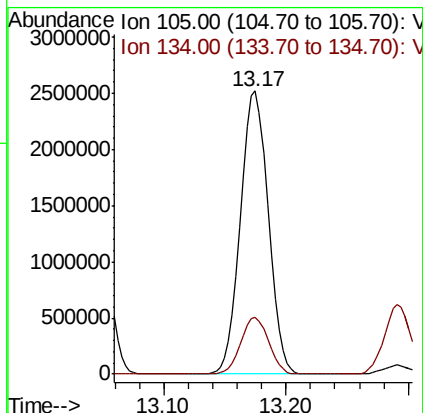
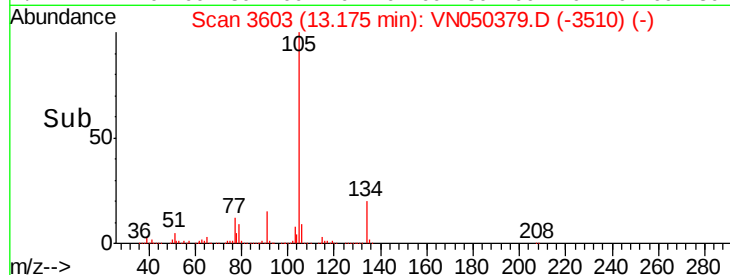
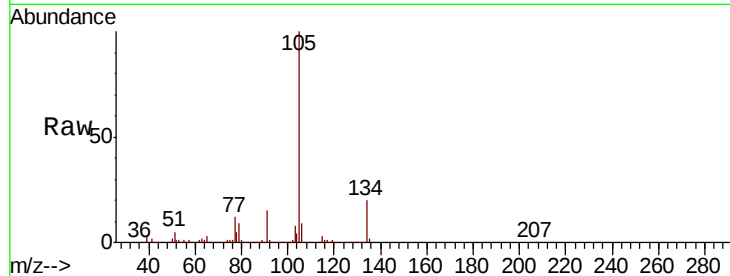
VSTDIC100

Tot Ion:105 Resp: 3954965

Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1



#86

p-Isopropyltoluene

Concen: 105.974 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

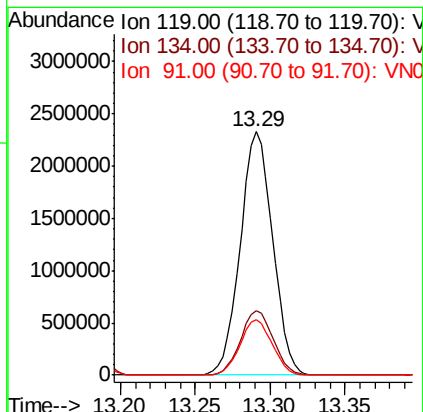
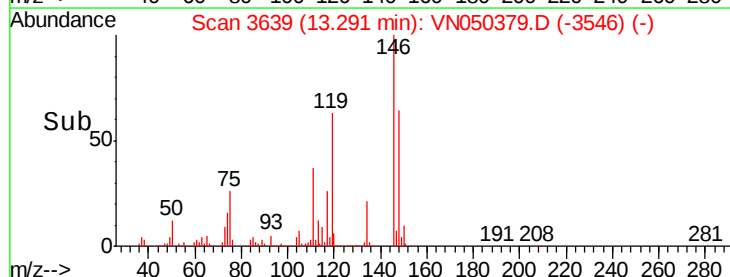
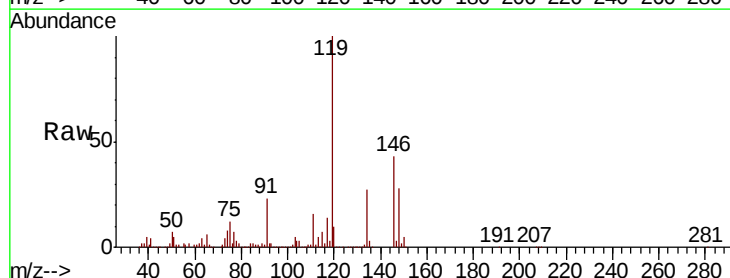
Tgt Ion:119 Resp: 3509615

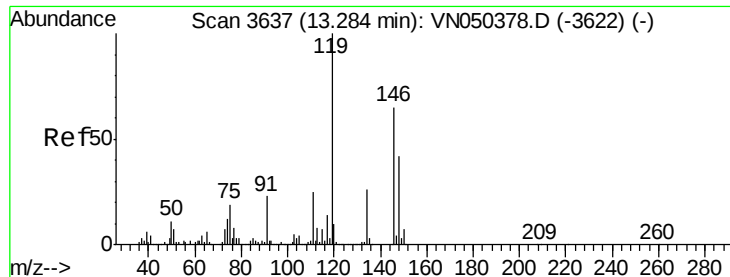
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 22.6 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 98.525 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

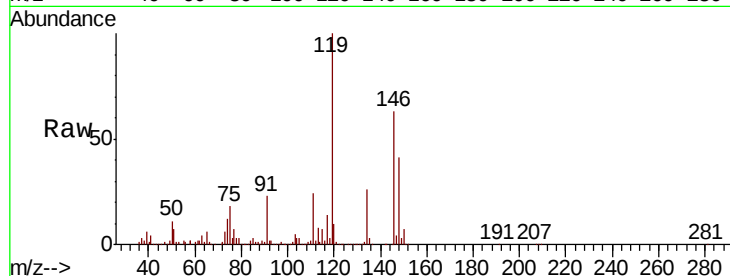
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 1924799

Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	64.3	31.9	95.9

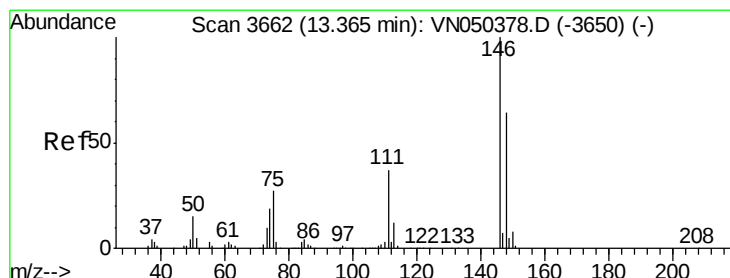
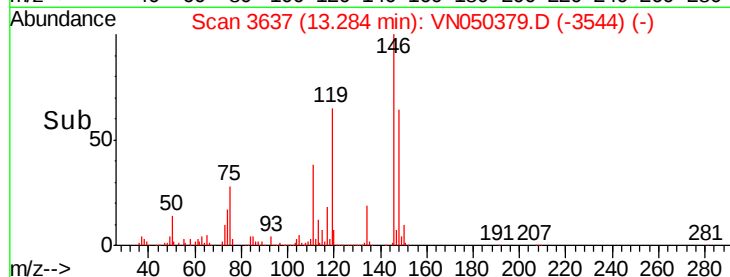
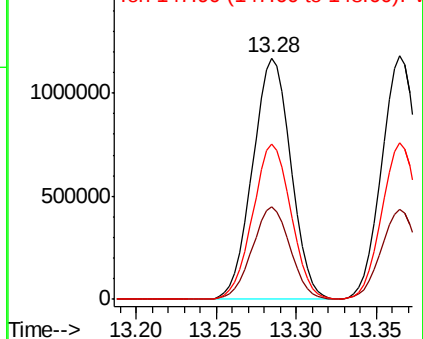


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 97.244 ug/l

RT: 13.36 min Scan# 3662

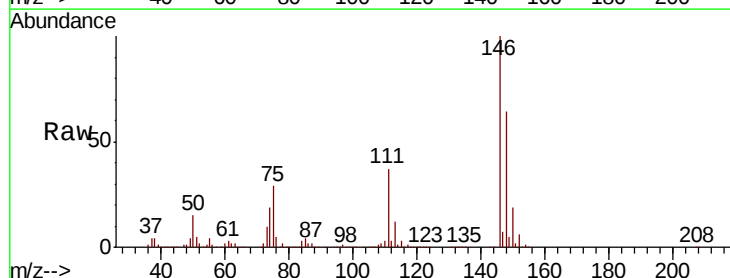
Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Tgt Ion:146 Resp: 1897104

Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.9
148	64.4	31.9	95.9

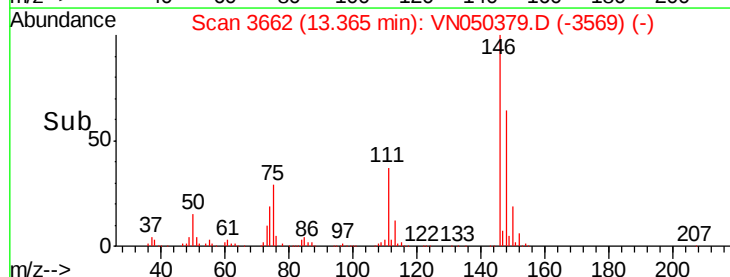
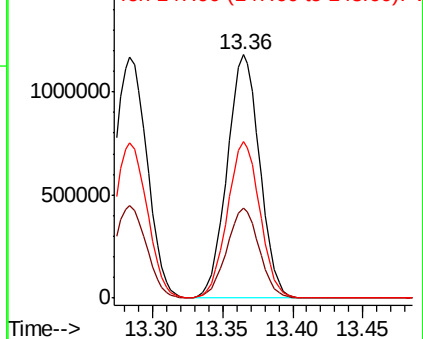


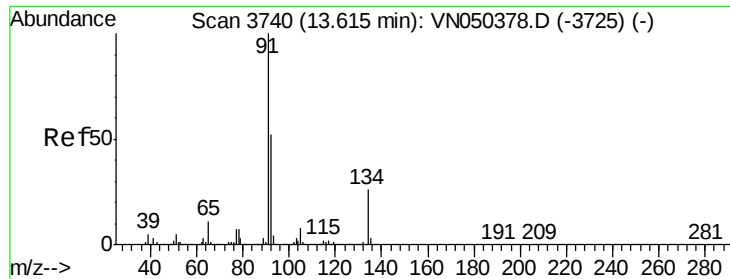
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

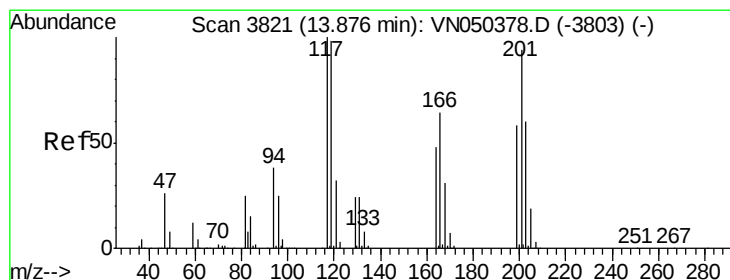
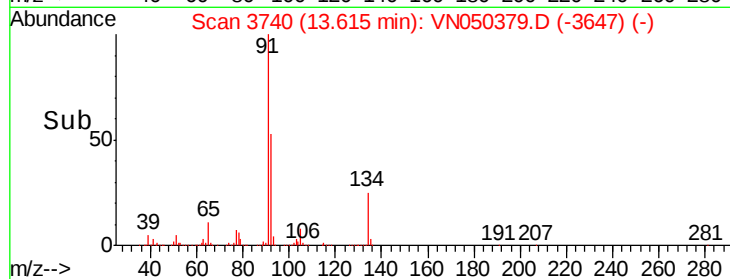
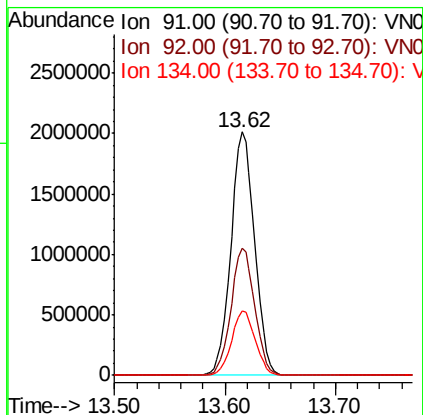
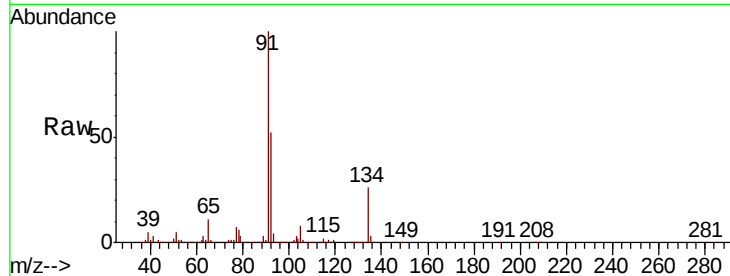




#89
n-Butylbenzene
Concen: 105.903 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

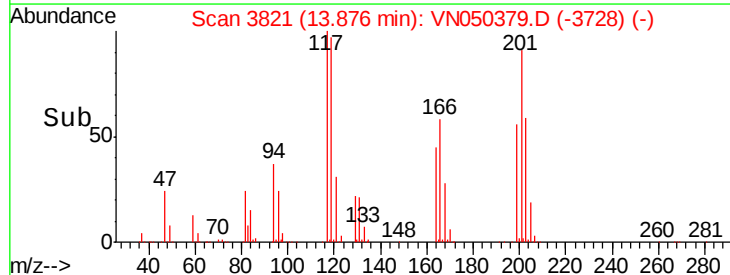
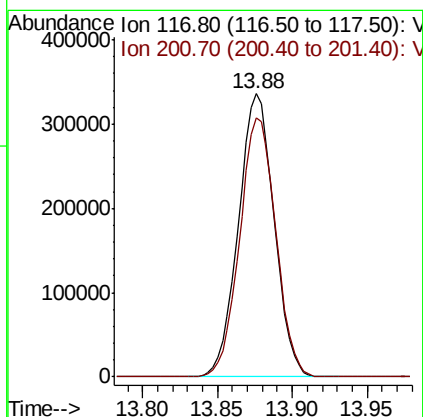
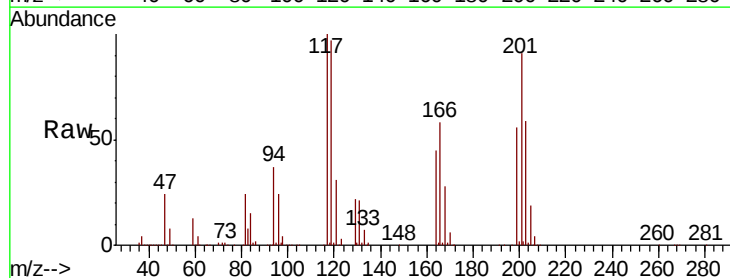
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

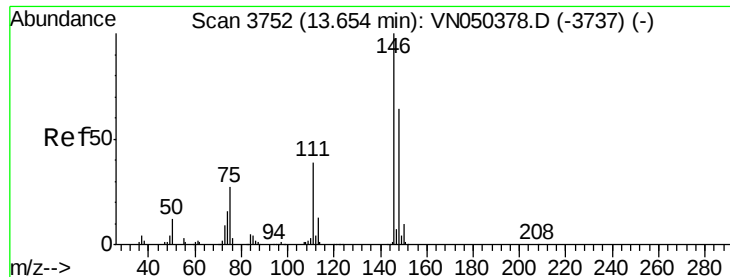
Tot Ion: 91 Resp: 2985773
Ion Ratio Lower Upper
91 100
92 52.3 25.8 77.4
134 26.4 12.8 38.4



#90
Hexachloroethane
Concen: 94.772 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion: 117 Resp: 558108
Ion Ratio Lower Upper
117 100
201 92.4 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 95.398 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

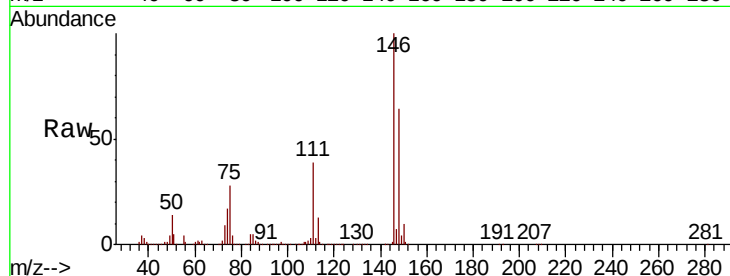
Tot Ion:146 Resp: 1868152

Ion Ratio Lower Upper

146 100

111 39.4 19.6 58.7

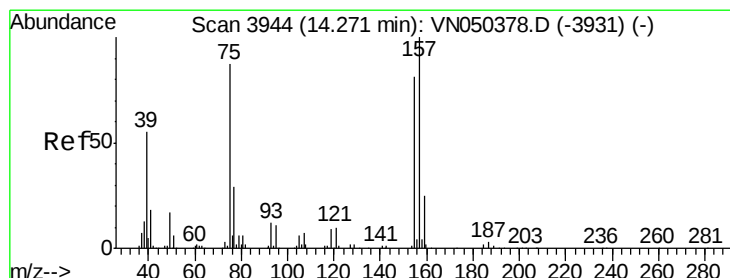
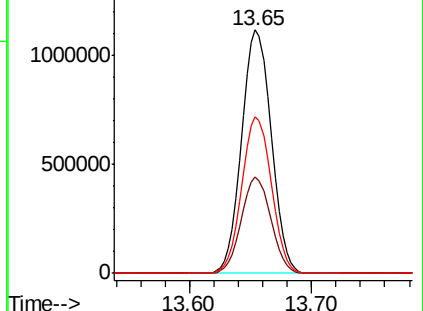
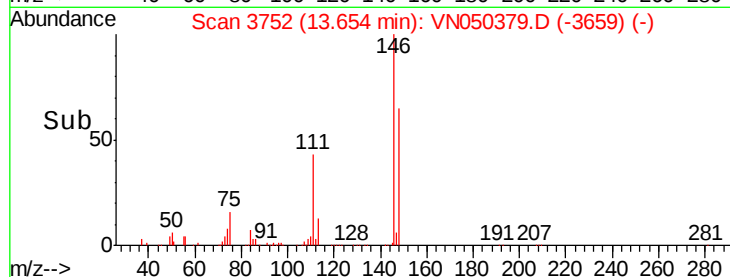
148 64.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 94.246 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

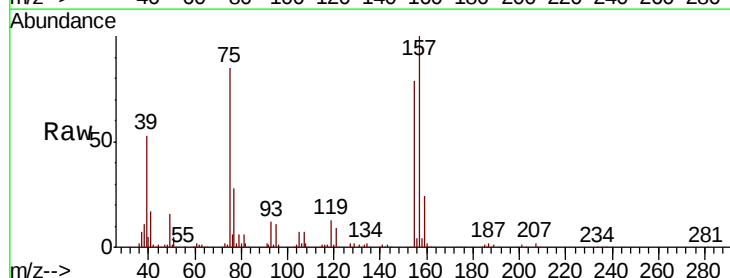
Tgt Ion: 75 Resp: 189023

Ion Ratio Lower Upper

75 100

155 92.6 44.8 134.4

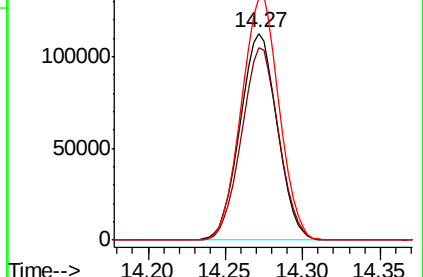
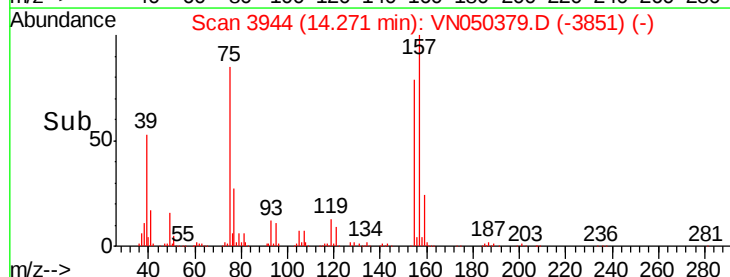
157 119.4 57.2 171.6

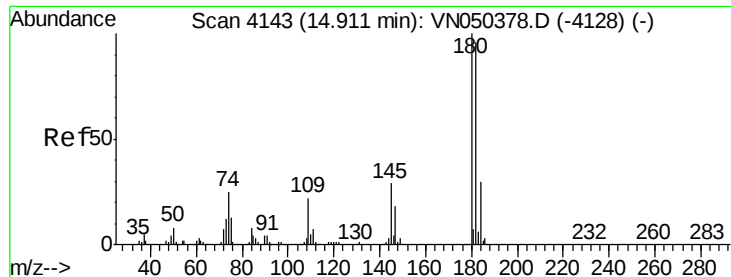


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

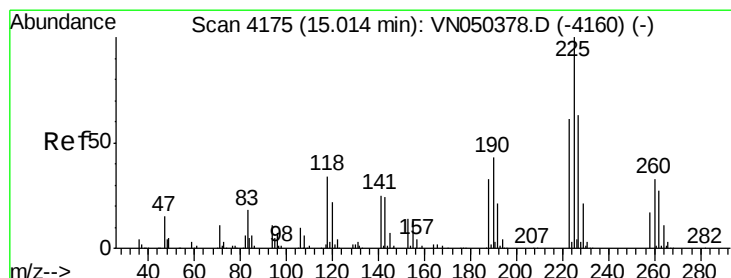
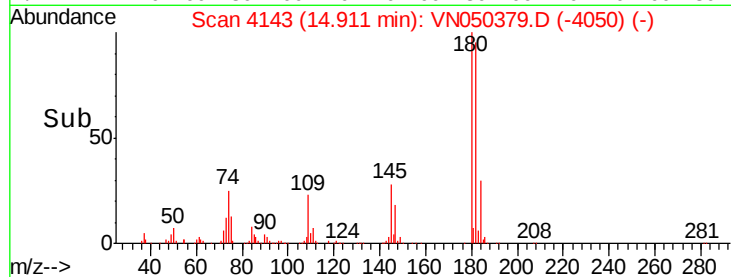
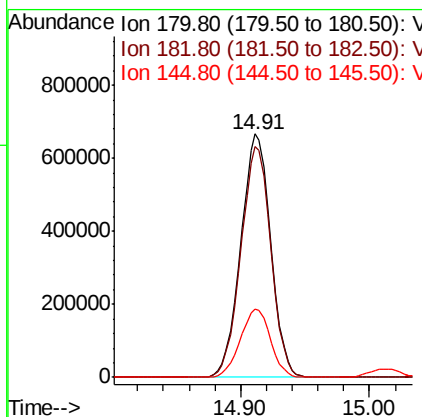
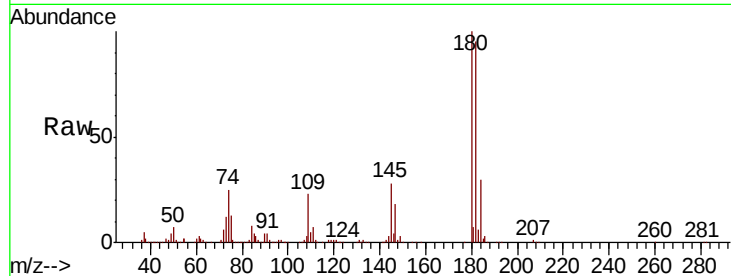




#93
 1,2,4-Trichlorobenzene
 Concen: 107.656 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

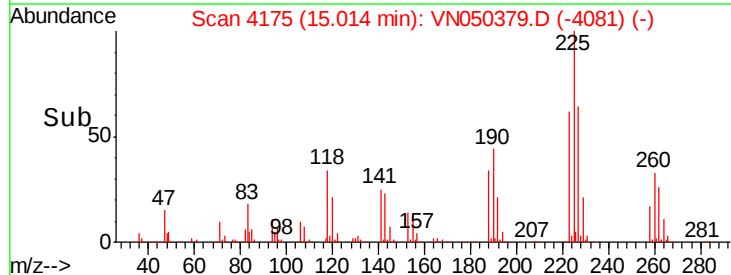
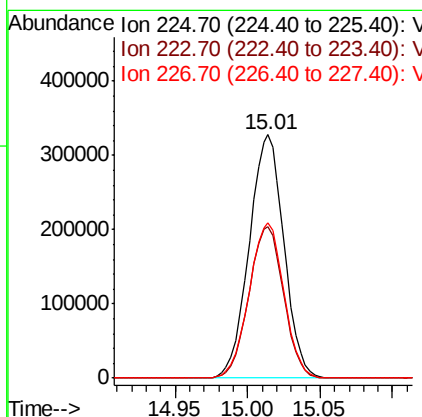
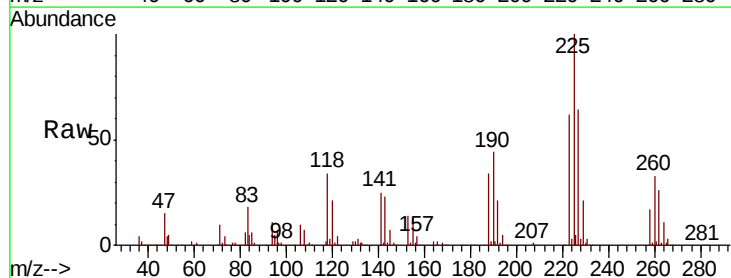
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

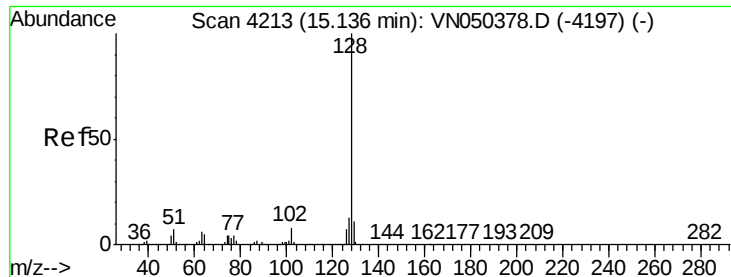
Tot Ion:180 Resp: 1073824
 Ion Ratio Lower Upper
 180 100
 182 95.2 46.7 140.1
 145 28.3 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 101.907 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Tgt Ion:225 Resp: 545949
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.4 94.2
 227 63.8 32.1 96.5





#95

Naphthalene

Concen: 96.253 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

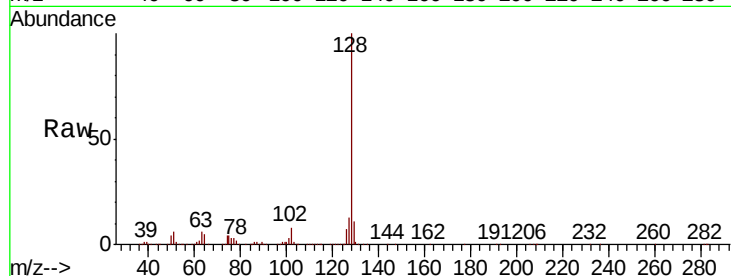
Tot Ion:128 Resp: 2637341

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

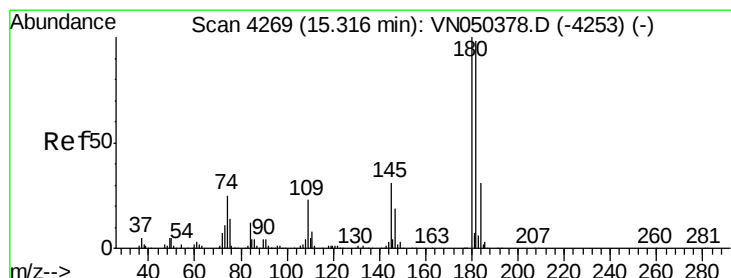
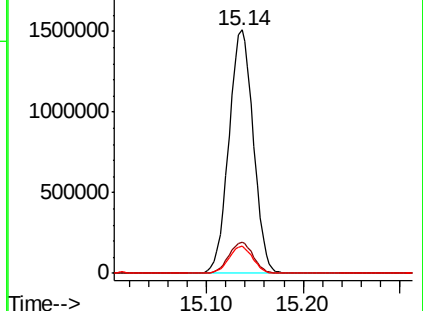
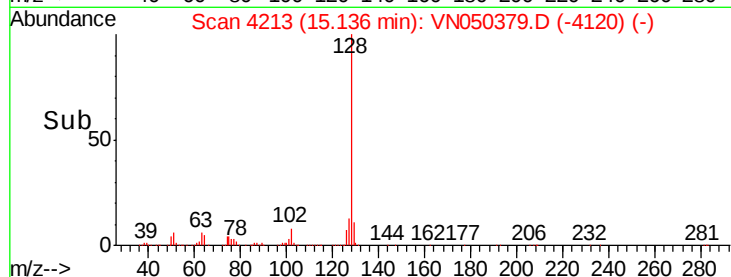
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 100.206 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

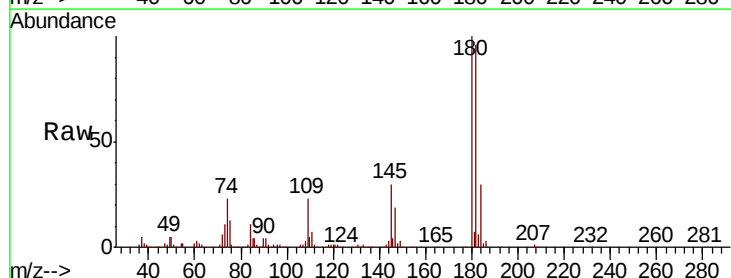
Tgt Ion:180 Resp: 1010545

Ion Ratio Lower Upper

180 100

182 95.4 48.1 144.4

145 29.8 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

