

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050400.D
 Acq On : 6 Aug 2018 22:29
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 07 07:10:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	667124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	962930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	892098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	483079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	442037	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
35) Dibromofluoromethane	7.59	113	393650	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	10.09	98	1481419	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.40	95	494540	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	356505	48.14	ug/l	98
3) Chloromethane	2.06	50	432906	49.46	ug/l	100
4) Vinyl Chloride	2.18	62	465732	48.59	ug/l	99
5) Bromomethane	2.56	94	240743	51.79	ug/l	99
6) Chloroethane	2.70	64	284052	48.09	ug/l	99
7) Trichlorofluoromethane	3.01	101	605594	48.92	ug/l	99
8) Diethyl Ether	3.41	74	220560	48.58	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	370785	48.47	ug/l	99
10) Methyl Iodide	3.95	142	212106	62.93	ug/l	99
11) Tert butyl alcohol	4.80	59	172696	241.18	ug/l	100
12) 1,1-Dichloroethene	3.73	96	345485	47.90	ug/l	98
13) Acrolein	3.61	56	222750	239.75	ug/l	96
14) Allyl chloride	4.32	41	538917	46.53	ug/l	98
15) Acrylonitrile	4.99	53	766438	255.54	ug/l	100
16) Acetone	3.82	43	702916	264.46	ug/l	98
17) Carbon Disulfide	4.05	76	1037989	44.26	ug/l	100
18) Methyl Acetate	4.33	43	353114	51.13	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1031827	50.40	ug/l	100
20) Methylene Chloride	4.55	84	403699	49.65	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	375043	48.05	ug/l	99
22) Diisopropyl ether	5.96	45	1216148	51.40	ug/l	99
23) Vinyl Acetate	5.90	43	4406086	261.00	ug/l	100
24) 1,1-Dichloroethane	5.85	63	702482	48.39	ug/l	99
25) 2-Butanone	6.84	43	1145322	259.31	ug/l	99
26) 2,2-Dichloropropane	6.83	77	476578	39.82	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	424304	49.05	ug/l	98
28) Bromochloromethane	7.20	49	337283	50.47	ug/l	99
29) Tetrahydrofuran	7.22	42	609607	257.86	ug/l	100
30) Chloroform	7.37	83	712284	49.08	ug/l	99
31) Cyclohexane	7.66	56	617397	48.30	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	617947	49.58	ug/l	100
36) 1,1-Dichloropropene	7.80	75	536887	50.74	ug/l	100
37) Ethyl Acetate	6.94	43	402332	52.81	ug/l	99
38) Carbon Tetrachloride	7.78	117	541754	49.08	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	578889	50.13	ug/l	100
40) Benzene	8.04	78	1644333	50.55	ug/l	99
41) Methacrylonitrile	7.18	41	166859	41.18	ug/l	96
42) 1,2-Dichloroethane	8.13	62	528156	51.15	ug/l	99
43) Isopropyl Acetate	8.17	43	708897	53.90	ug/l #	89
44) Trichloroethene	8.84	130	421905	48.27	ug/l	99
45) 1,2-Dichloropropane	9.12	63	437274	51.13	ug/l	97
46) Dibromomethane	9.21	93	271854	51.48	ug/l	99
47) Bromodichloromethane	9.41	83	557098	50.93	ug/l	99
48) Methyl methacrylate	9.20	41	353206	53.58	ug/l	99
49) 1,4-Dioxane	9.20	88	104061	1024.07	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2580411	272.41	ug/l	100
52) Toluene	10.16	92	1017621	52.08	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	557759	50.79	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	627147	51.17	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	391638	51.34	ug/l	99
56) Ethyl methacrylate	10.43	69	529018	49.04	ug/l	98
57) 1,3-Dichloropropane	10.71	76	643715	51.41	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1257169	249.86	ug/l	100
59) 2-Hexanone	10.75	43	1792450	271.14	ug/l	99
60) Dibromochloromethane	10.90	129	436454	51.94	ug/l	99
61) 1,2-Dibromoethane	11.01	107	387594	51.55	ug/l	99
64) Tetrachloroethene	10.63	164	414723	49.75	ug/l	99
65) Chlorobenzene	11.44	112	1101081	49.23	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	415928	51.10	ug/l	100
67) Ethyl Benzene	11.51	91	1897138	52.48	ug/l	100
68) m/p-Xylenes	11.62	106	1485207	107.91	ug/l	99
69) o-Xylene	11.95	106	699634	52.77	ug/l	100
70) Styrene	11.97	104	1180113	54.74	ug/l	100
71) Bromoform	12.13	173	315450	53.03	ug/l #	99
73) Isopropylbenzene	12.25	105	1855167	51.16	ug/l	100
74) N-amyl acetate	12.07	43	615722	52.38	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	521485	49.84	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	634706	72.59	ug/l #	100
77) Bromobenzene	12.53	156	486581	50.09	ug/l	99
78) n-propylbenzene	12.59	91	2165677	52.76	ug/l	100
79) 2-Chlorotoluene	12.68	91	1280388	50.51	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1557587	52.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	137938	55.43	ug/l	100
82) 4-Chlorotoluene	12.77	91	1300649	51.45	ug/l	100
83) tert-Butylbenzene	12.99	119	1313793	51.16	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1601197	53.70	ug/l	99
85) sec-Butylbenzene	13.17	105	1760434	51.43	ug/l	100
86) p-Isopropyltoluene	13.29	119	1544737	52.66	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	857845	49.58	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	841563	48.70	ug/l	100
89) n-Butylbenzene	13.62	91	1257811	50.37	ug/l	99
90) Hexachloroethane	13.88	117	266057	51.01	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	838291	48.33	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83715	47.13	ug/l	99

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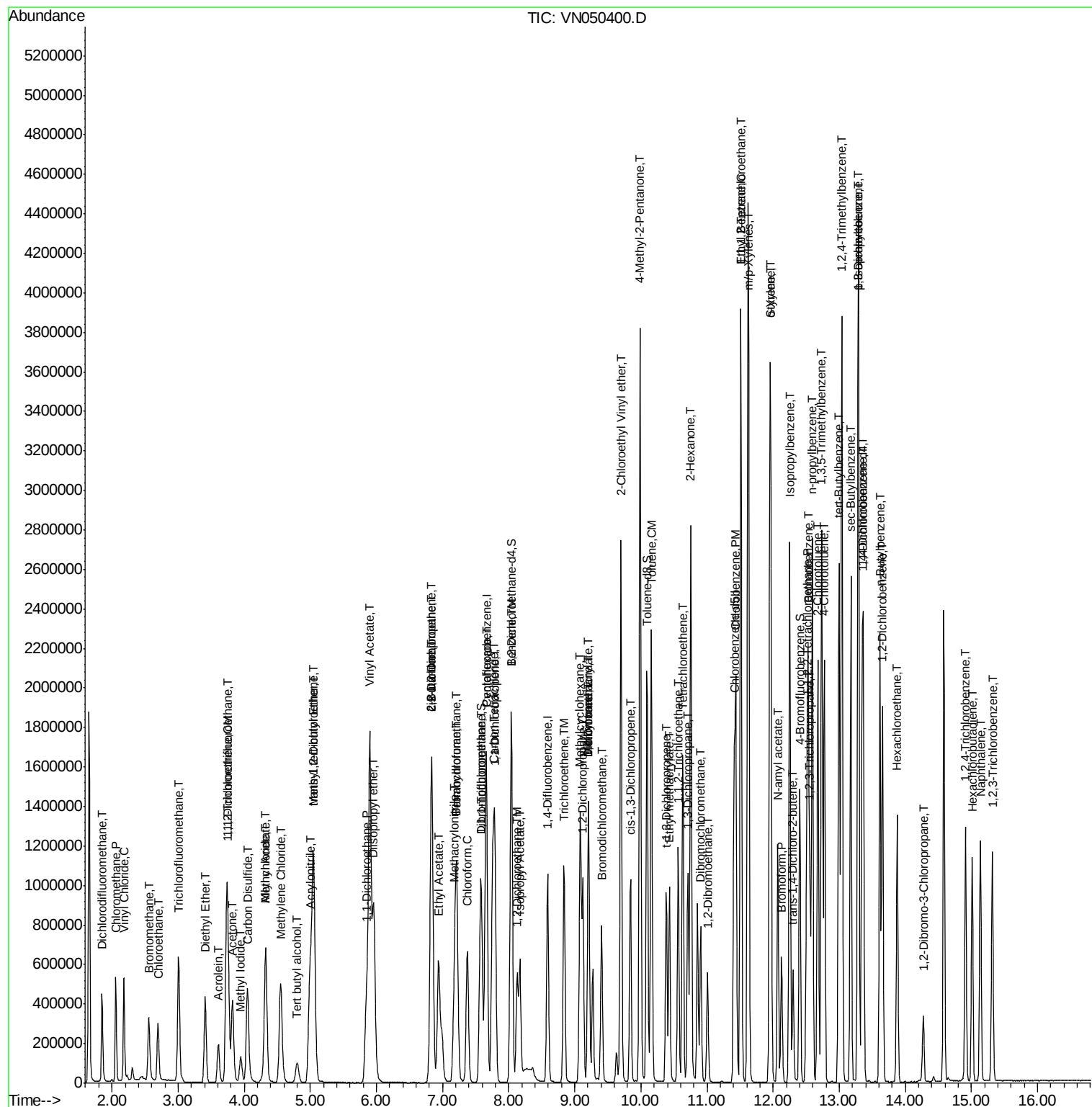
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	437048	49.47	ug/l	97
94) Hexachlorobutadiene	15.01	225	242211	50.20	ug/l	98
95) Naphthalene	15.14	128	1070139	46.06	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	439092	49.16	ug/l	99

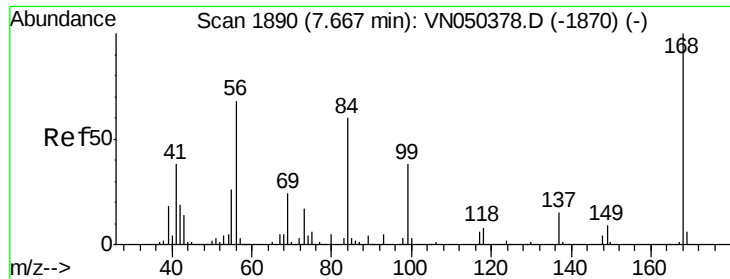
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

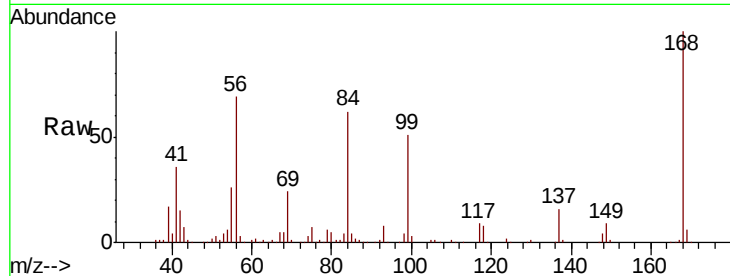
VSTDCCC050

Tot Ion:168 Resp: 667124

Ion Ratio Lower Upper

168 100

99 50.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

150000

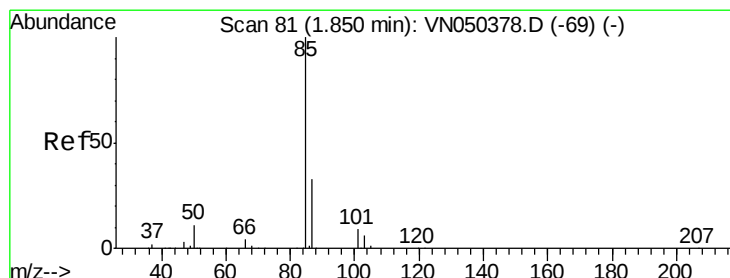
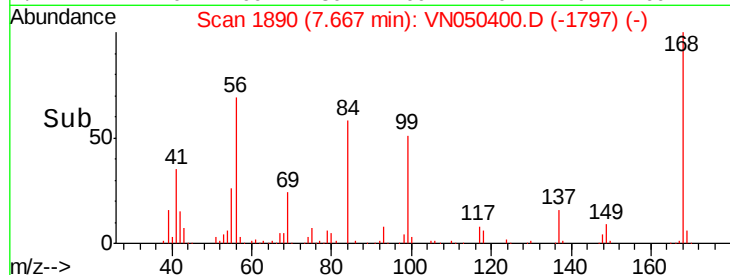
100000

50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 48.14 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050400.D

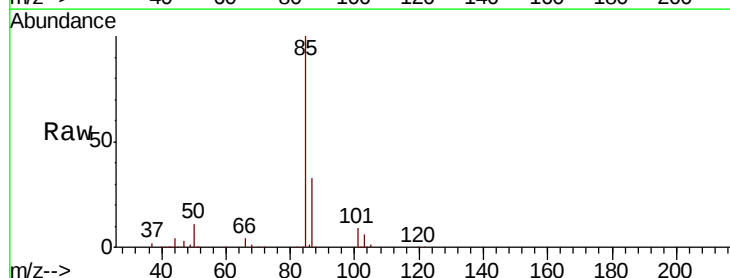
Acq: 6 Aug 2018 22:29

Tgt Ion: 85 Resp: 356505

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

300000

250000

200000

150000

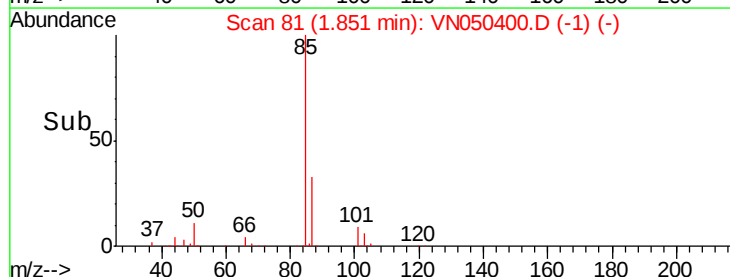
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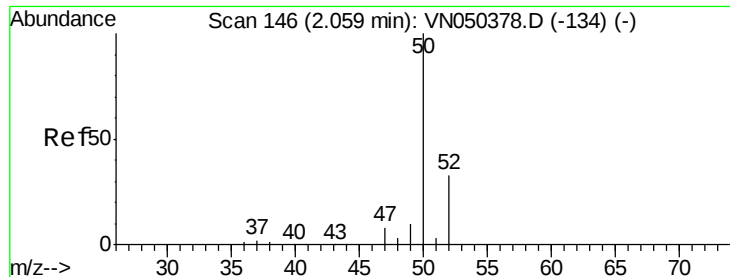
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 49.46 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

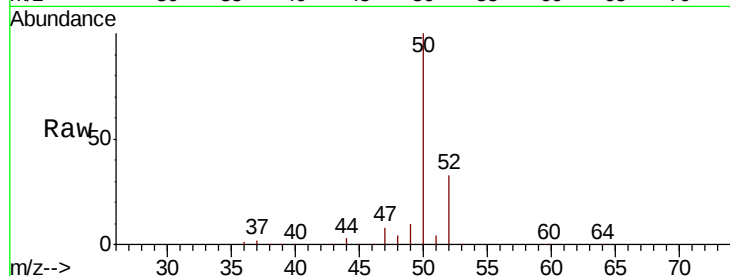
VSTDCCC050

Tot Ion: 50 Resp: 432906

Ion Ratio Lower Upper

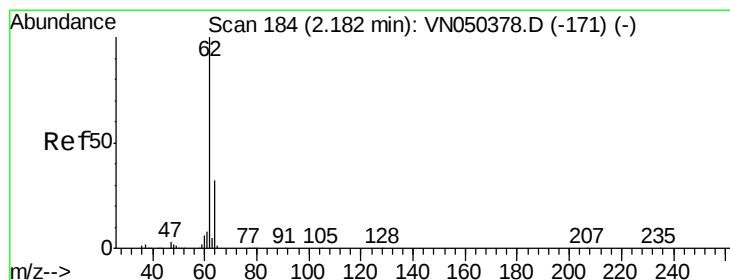
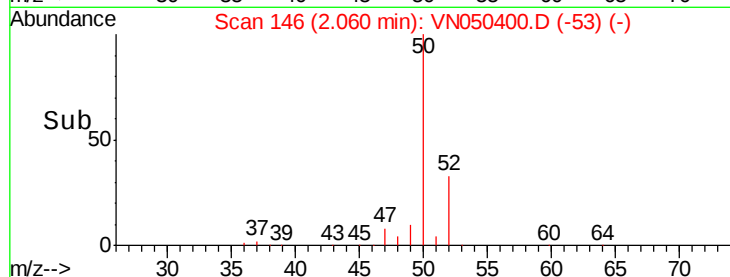
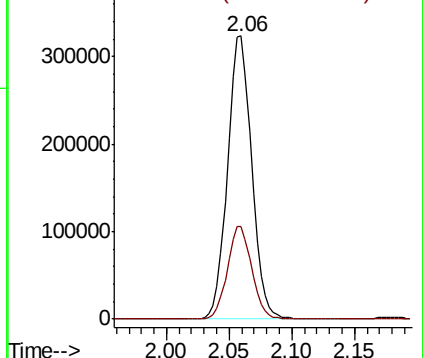
50 100

52 32.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.59 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050400.D

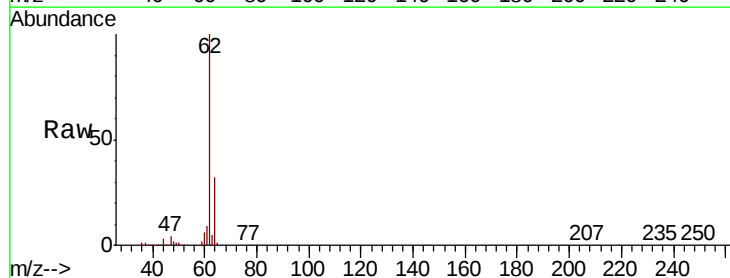
Acq: 6 Aug 2018 22:29

Tgt Ion: 62 Resp: 465732

Ion Ratio Lower Upper

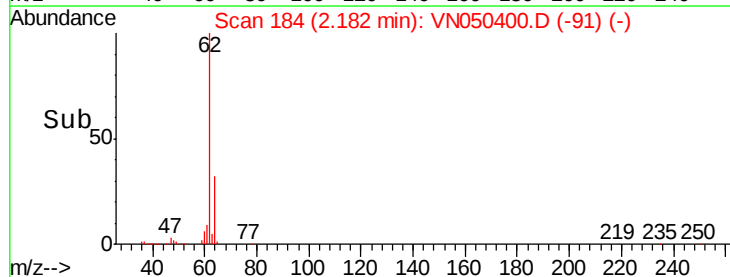
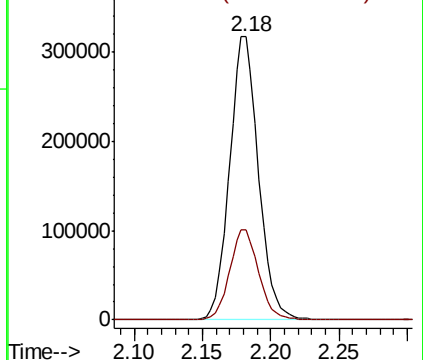
62 100

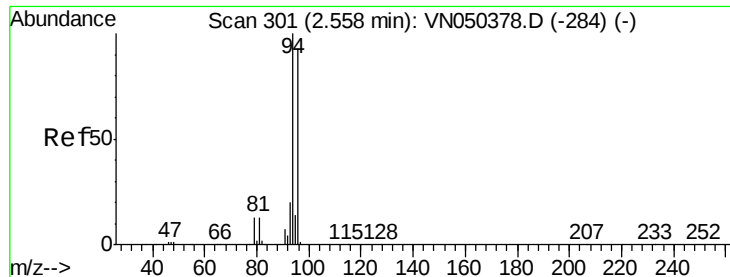
64 31.6 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 51.79 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

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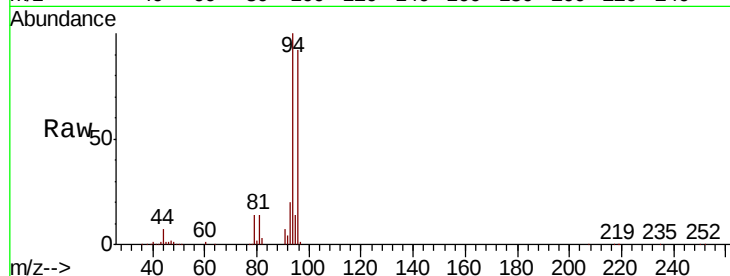
VSTDCCC050

Tot Ion: 94 Resp: 240743

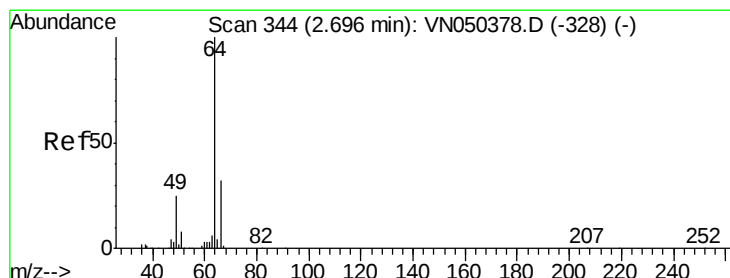
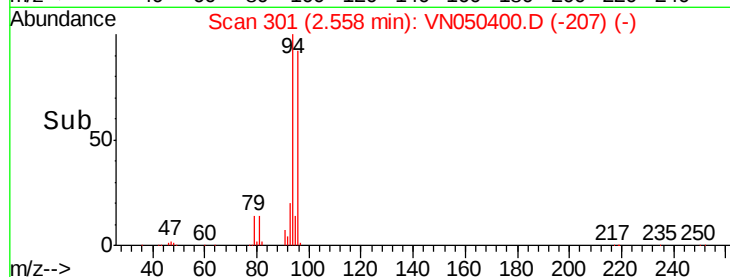
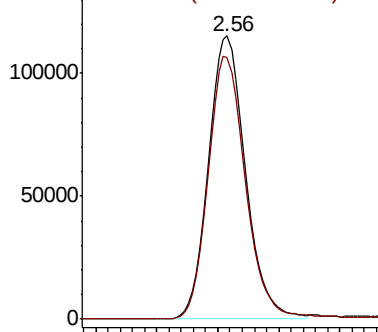
Ion Ratio Lower Upper

94 100

96 92.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.09 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050400.D

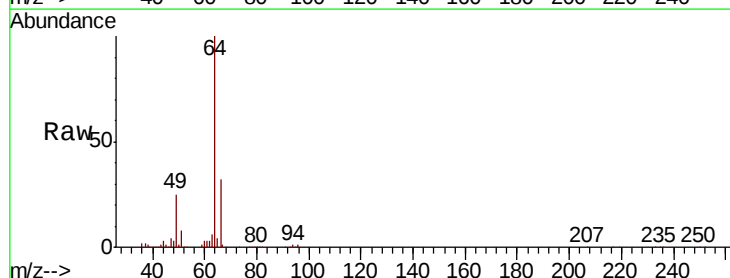
Acq: 6 Aug 2018 22:29

Tgt Ion: 64 Resp: 284052

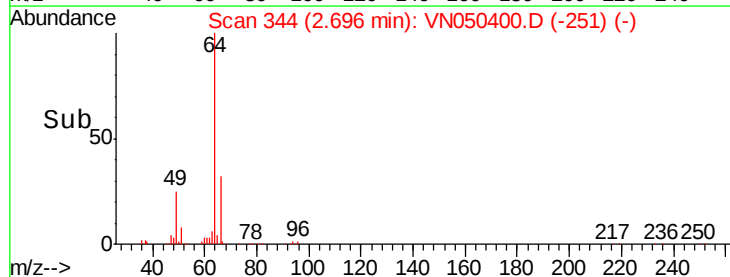
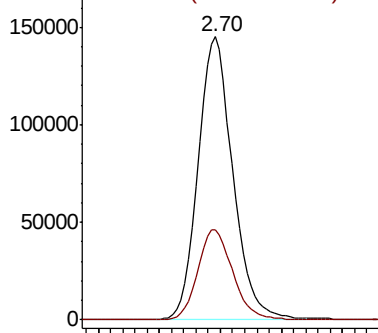
Ion Ratio Lower Upper

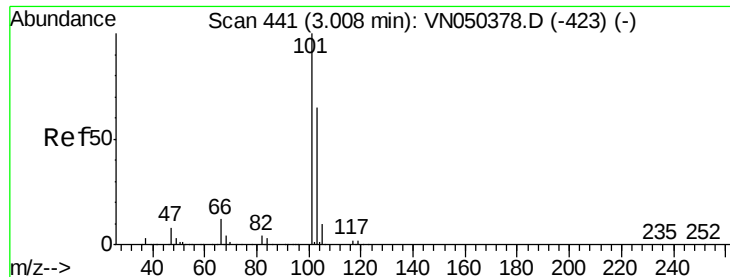
64 100

66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



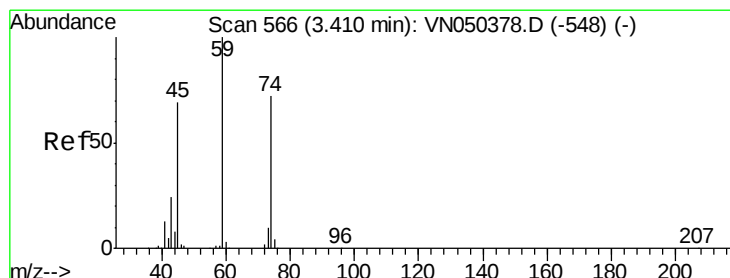
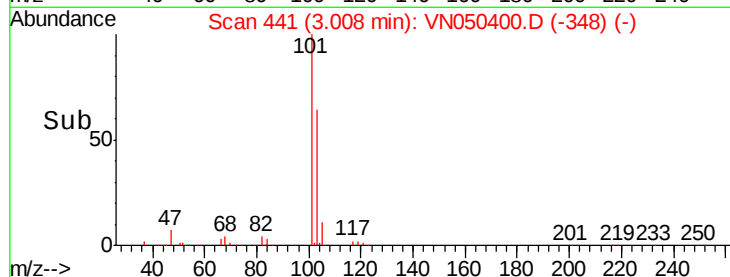
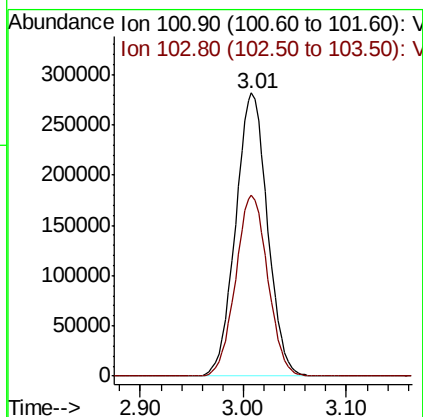
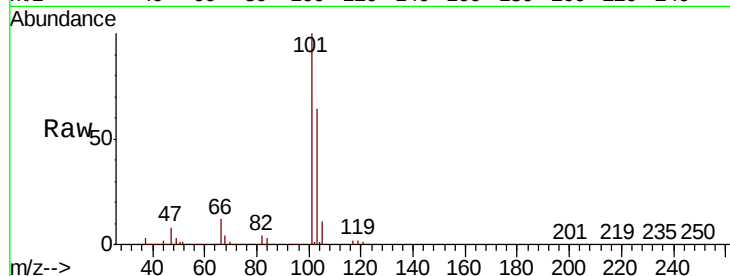


#7

Trichlorofluoromethane
 Concen: 48.92 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Instrument :
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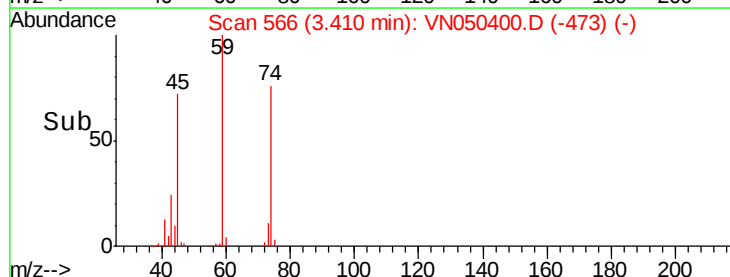
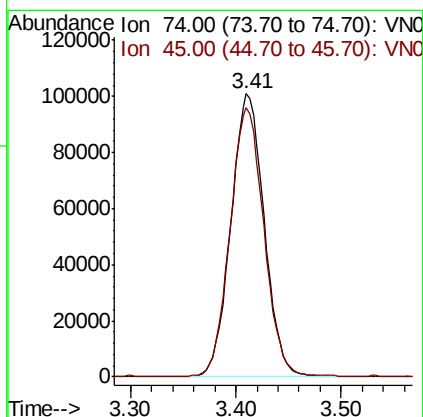
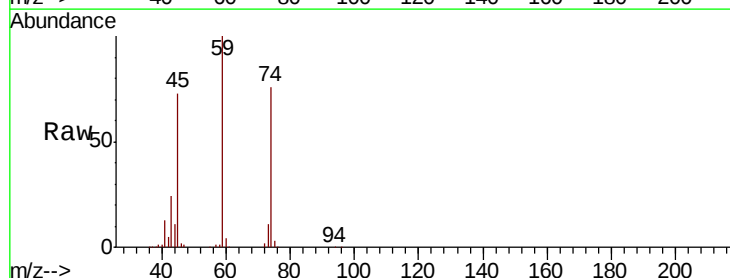
Tot Ion:101 Resp: 605594
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.7 77.5

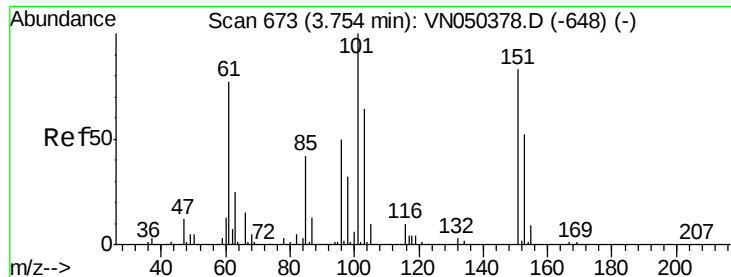


#8

Diethyl Ether
 Concen: 48.58 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Tgt Ion: 74 Resp: 220560
 Ion Ratio Lower Upper
 74 100
 45 95.9 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.47 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050400.D

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Instrument :

MSVOA_N

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VSTDCCC050

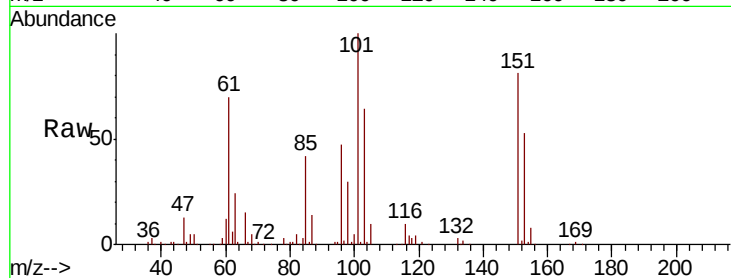
Tot Ion:101 Resp: 370785

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.2

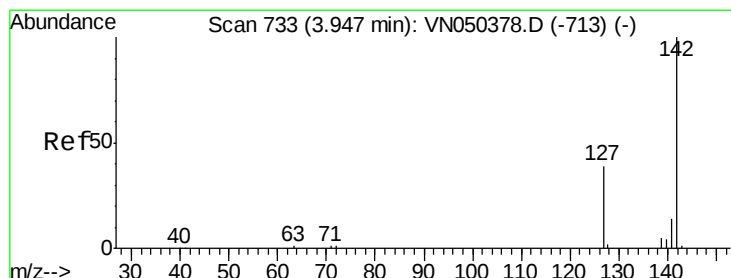
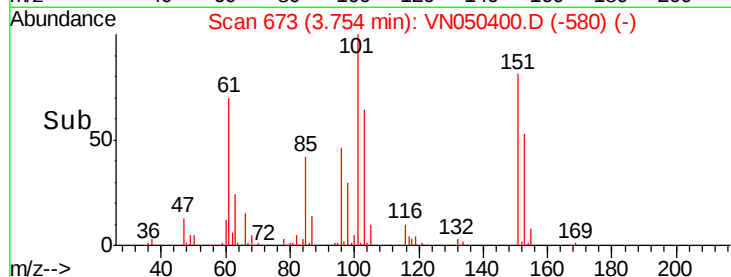
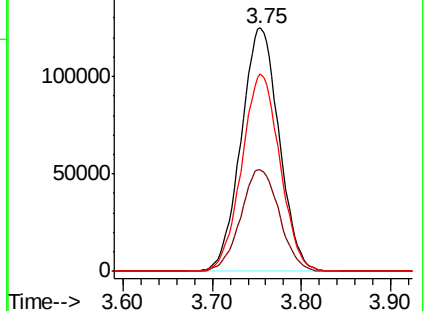
151 81.3 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 62.93 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

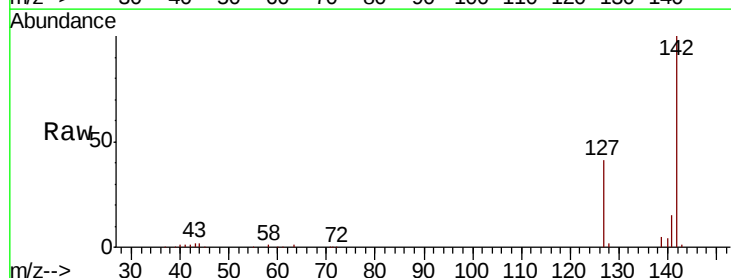
Tgt Ion:142 Resp: 212106

Ion Ratio Lower Upper

142 100

127 41.0 33.4 50.2

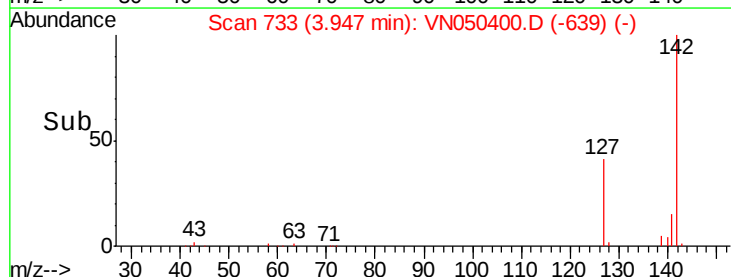
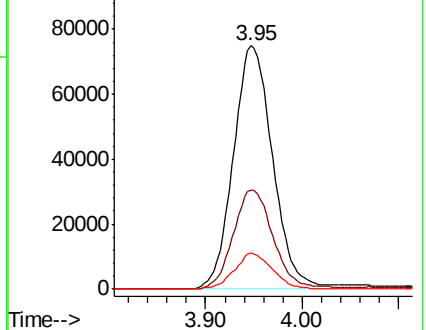
141 14.4 11.6 17.4

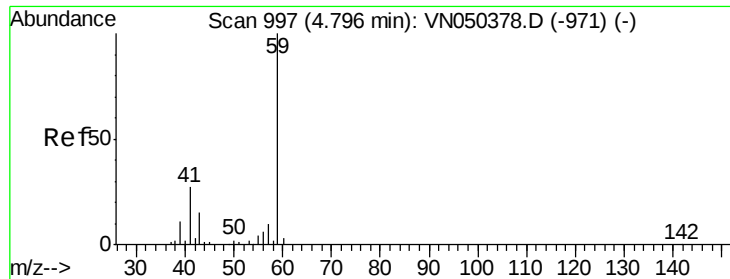


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

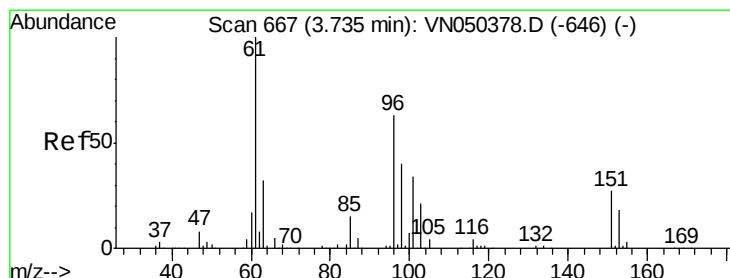
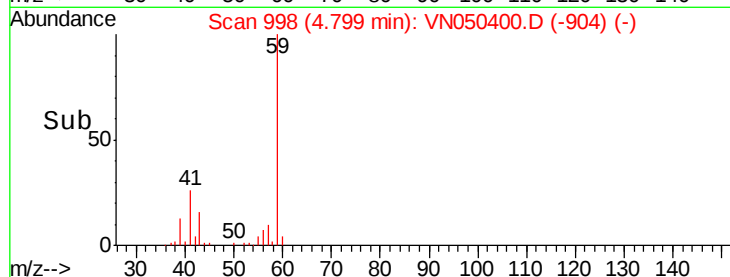
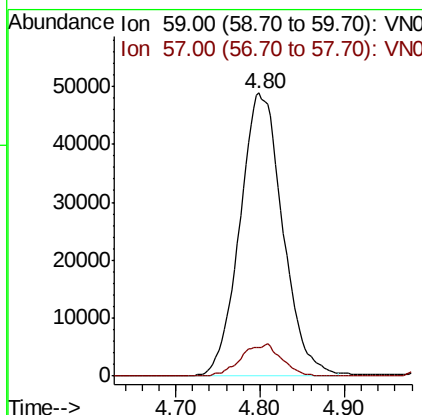
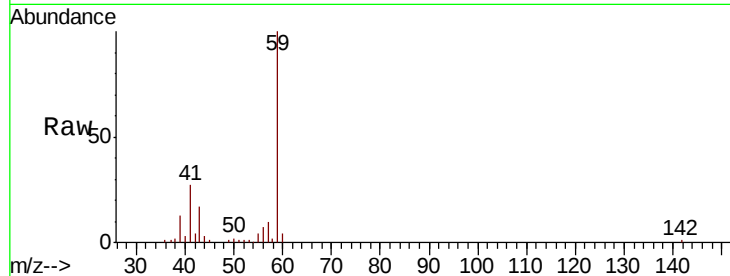




#11
Tert butyl alcohol
Concen: 241.18 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

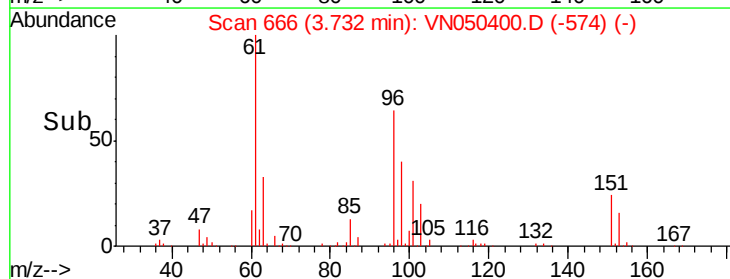
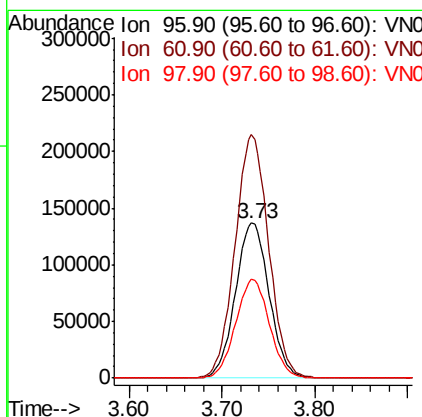
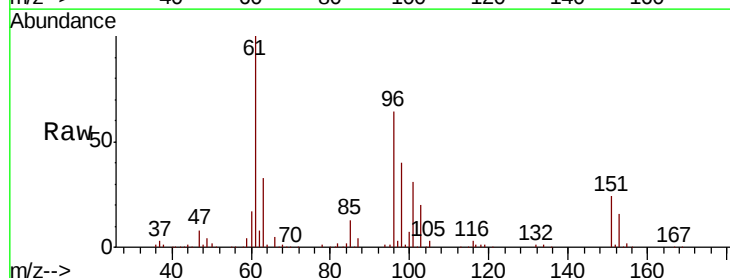
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

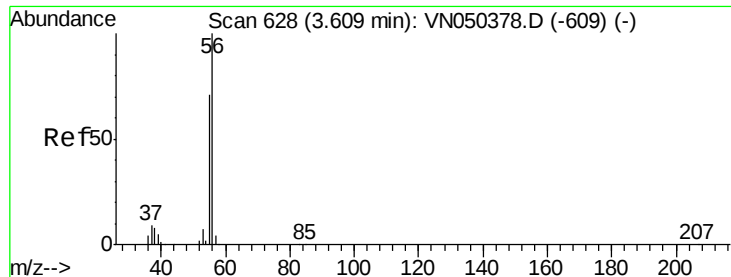
Tot Ion: 59 Resp: 172696
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7



#12
1,1-Dichloroethene
Concen: 47.90 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 96 Resp: 345485
Ion Ratio Lower Upper
96 100
61 156.9 124.4 186.6
98 63.4 48.3 72.5

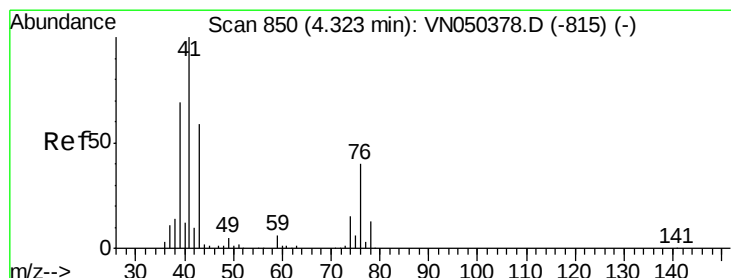
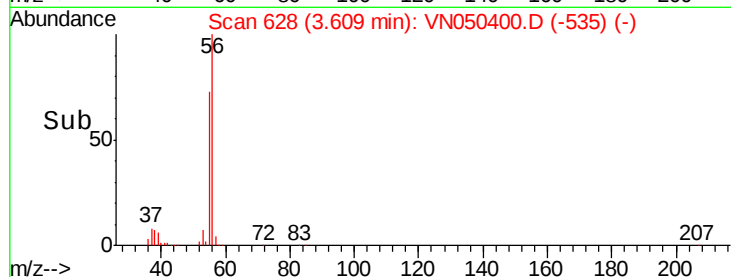
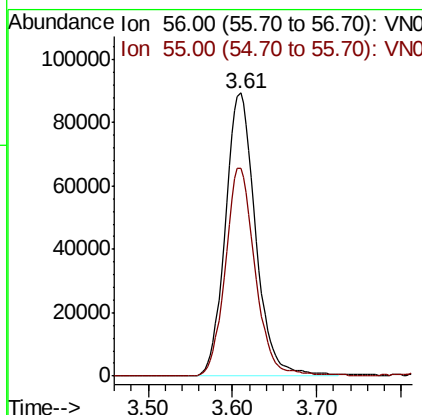
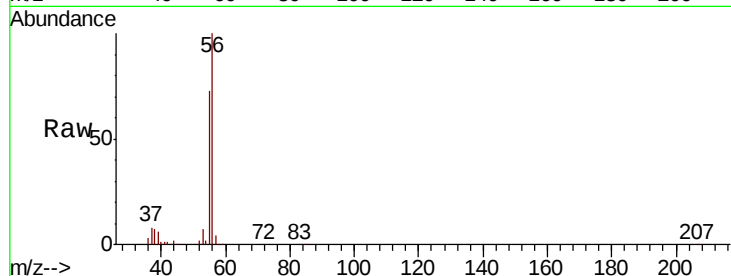




#13
Acrolein
Concen: 239.75 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

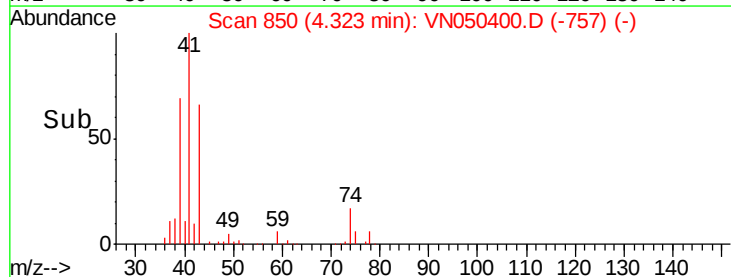
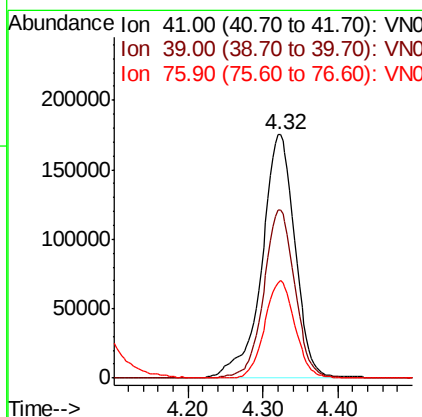
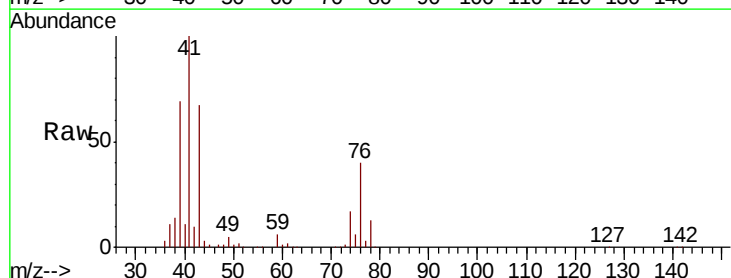
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

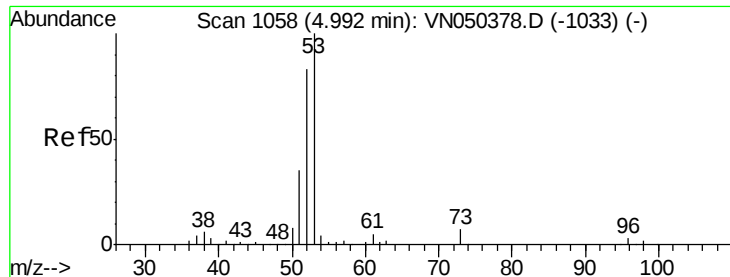
Tot Ion: 56 Resp: 222750
Ion Ratio Lower Upper
56 100
55 72.8 55.8 83.6



#14
Allyl chloride
Concen: 46.53 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 41 Resp: 538917
Ion Ratio Lower Upper
41 100
39 65.2 54.2 81.4
76 36.4 29.0 43.6





#15

Acrylonitrile

Concen: 255.54 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

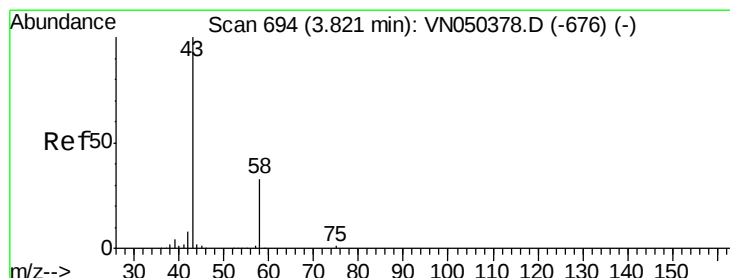
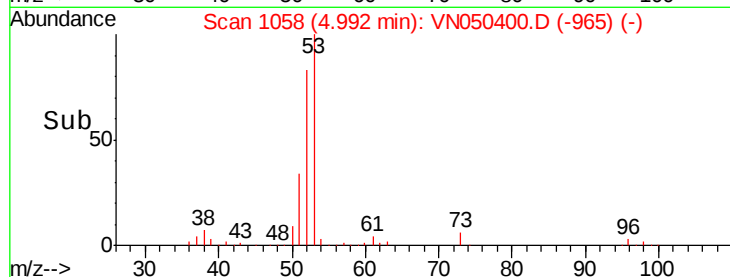
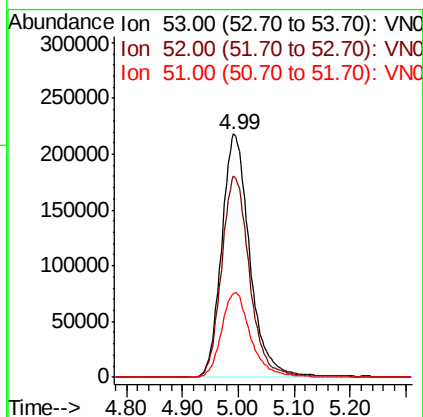
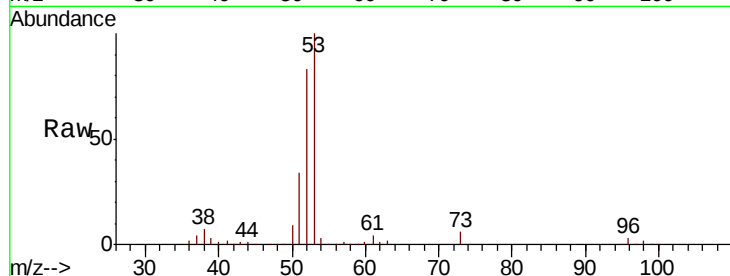
Tot Ion: 53 Resp: 766438

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.2

51 36.1 29.3 43.9



#16

Acetone

Concen: 264.46 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050400.D

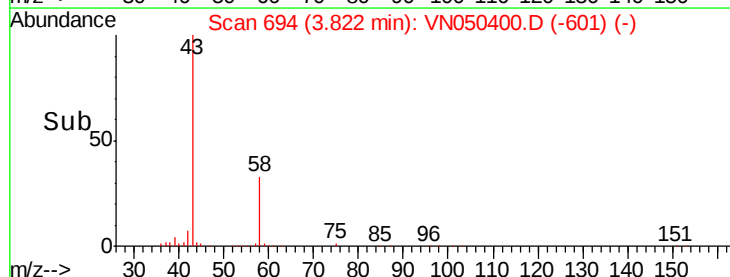
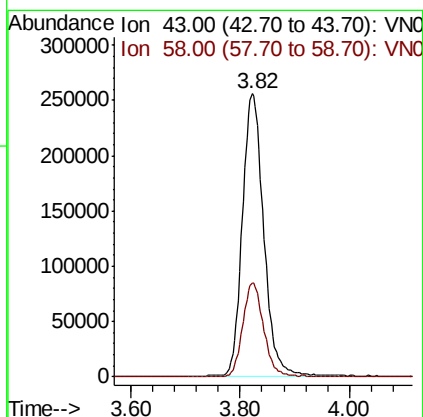
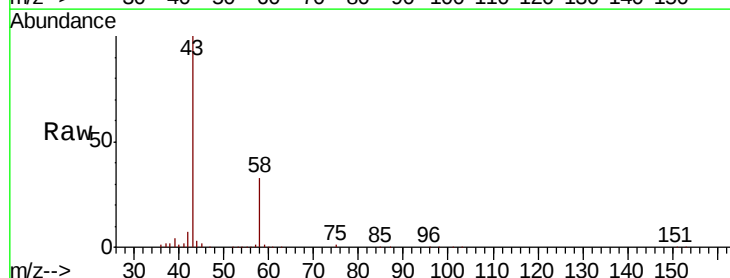
Acq: 6 Aug 2018 22:29

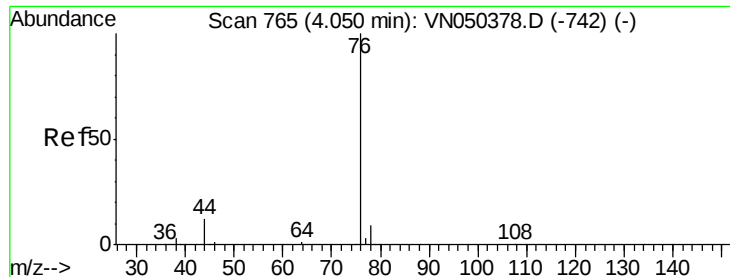
Tgt Ion: 43 Resp: 702916

Ion Ratio Lower Upper

43 100

58 33.3 25.8 38.8

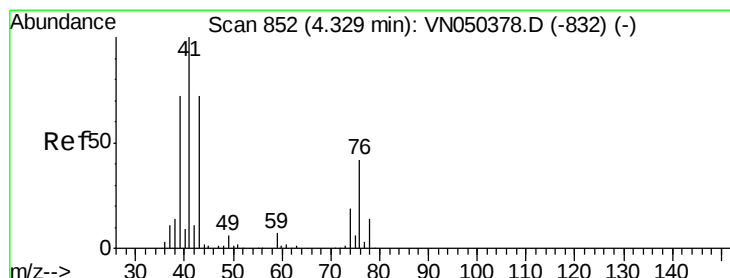
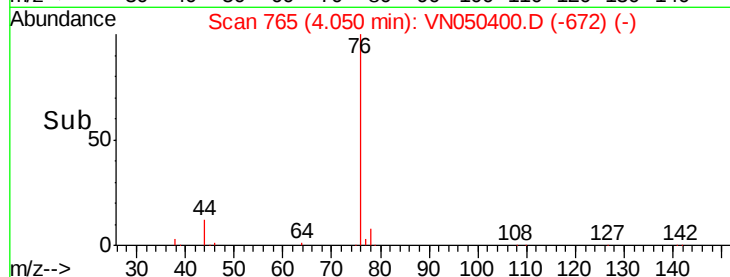
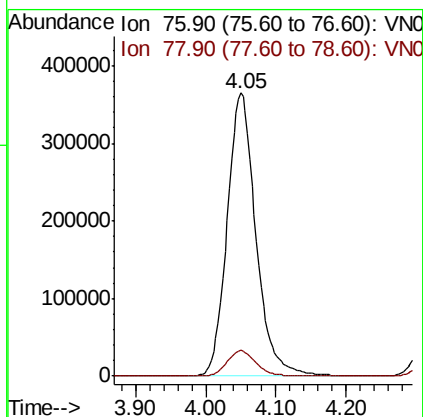
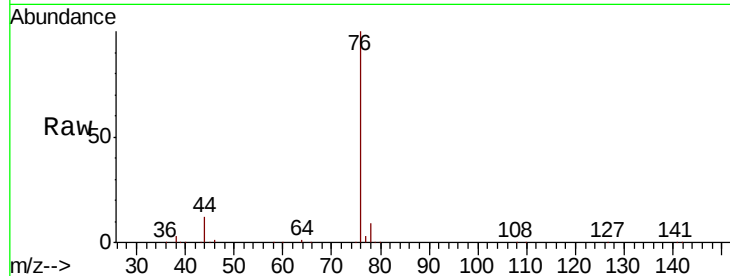




#17
Carbon Disulfide
Concen: 44.26 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

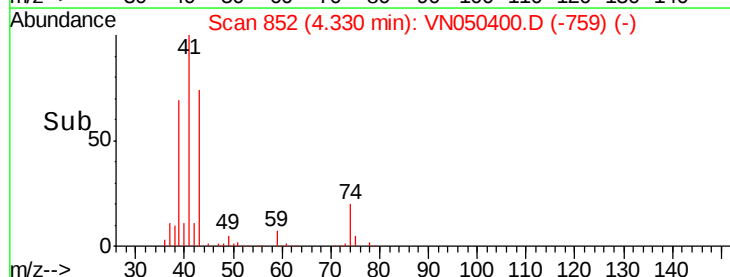
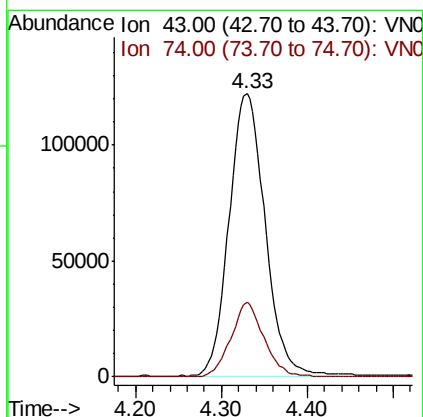
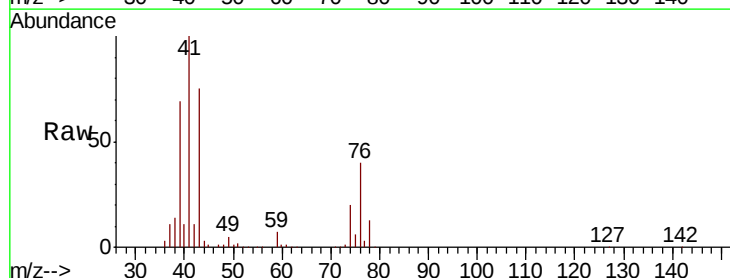
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

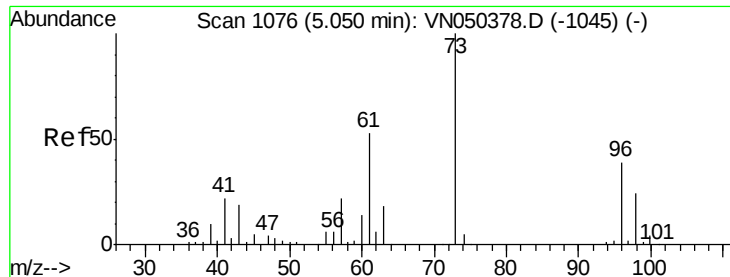
Tot Ion: 76 Resp: 1037989
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 51.13 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 43 Resp: 353114
Ion Ratio Lower Upper
43 100
74 24.5 19.2 28.8

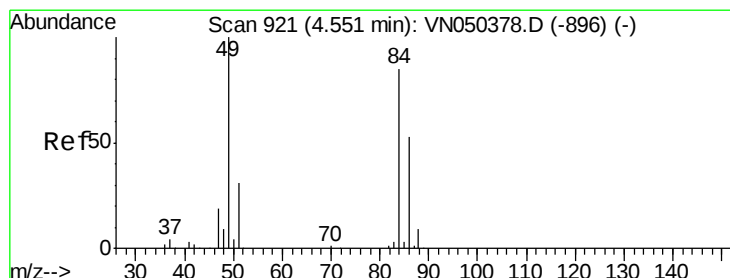
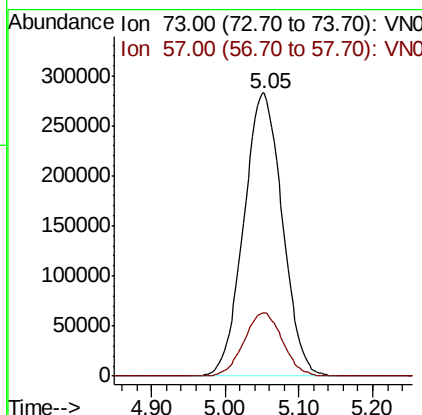
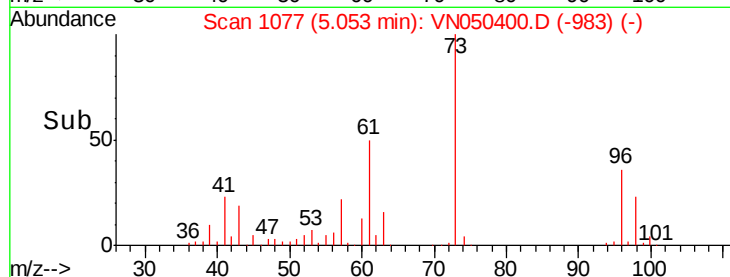
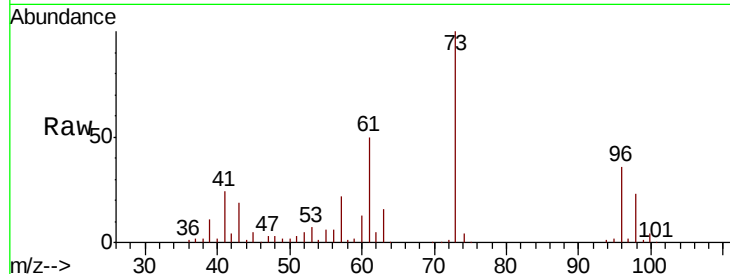




#19
Methvl tert-butvl Ether
Concen: 50.40 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

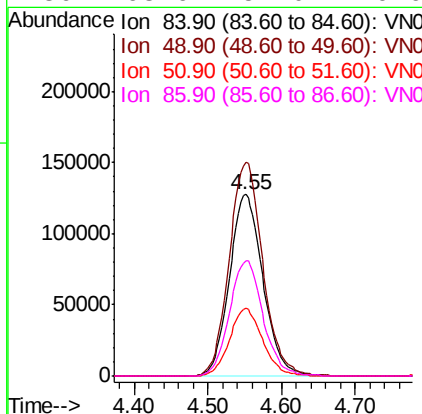
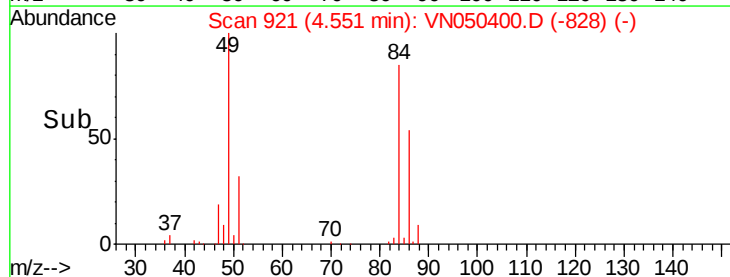
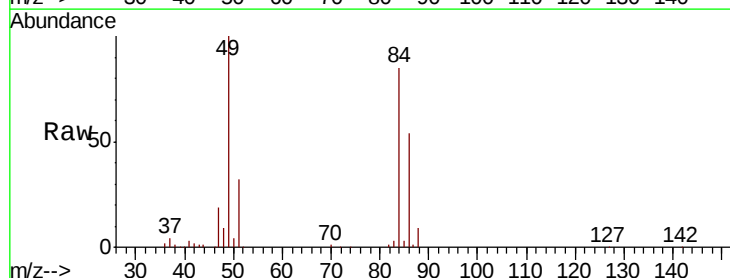
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

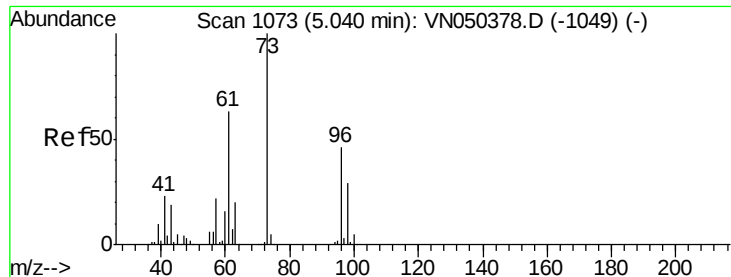
Tot Ion: 73 Resp: 1031827
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0



#20
Methylene Chloride
Concen: 49.65 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 84 Resp: 403699
Ion Ratio Lower Upper
84 100
49 117.6 94.8 142.2
51 37.3 28.3 42.5
86 63.6 51.0 76.6

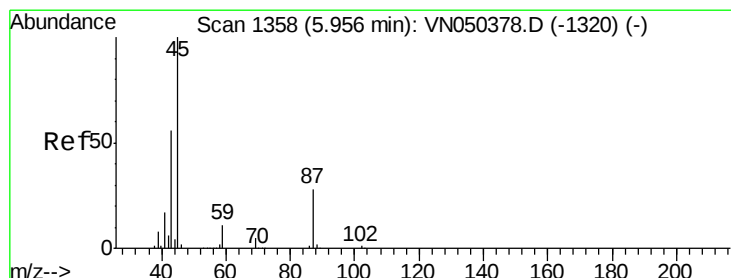
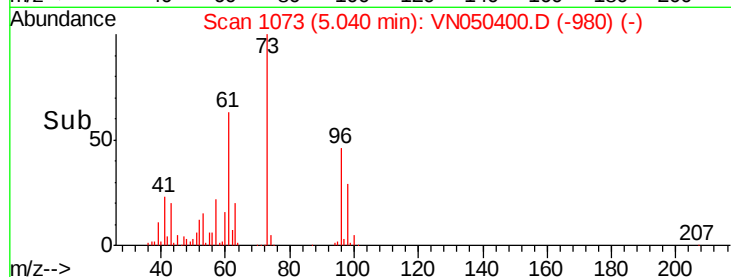
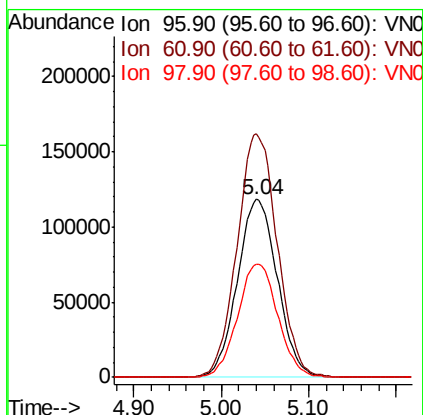
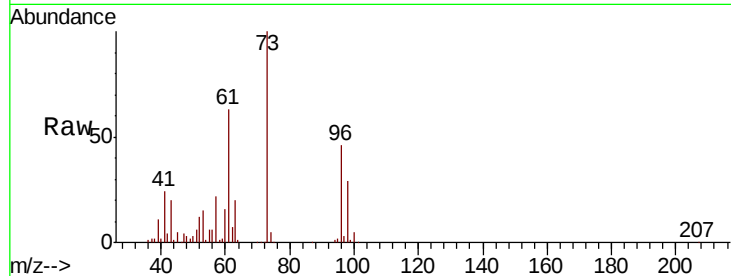




#21
trans-1,2-Dichloroethene
Concen: 48.05 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

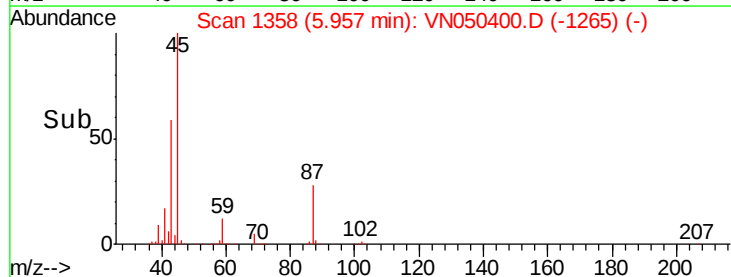
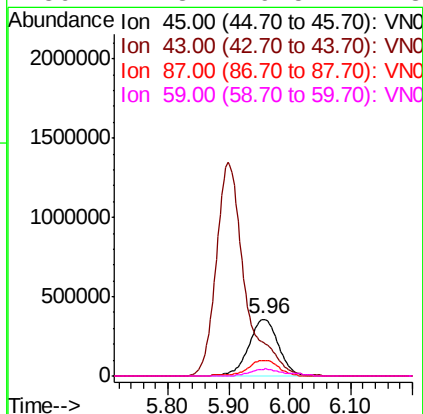
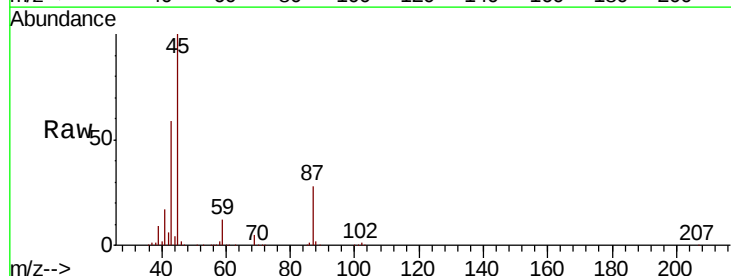
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

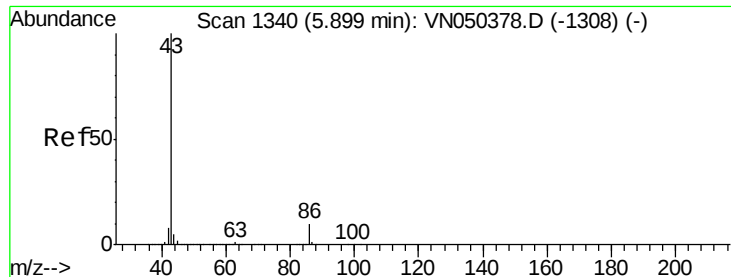
Tot Ion: 96 Resp: 375043
Ion Ratio Lower Upper
96 100
61 136.7 110.7 166.1
98 63.3 51.6 77.4



#22
Diisopropyl ether
Concen: 51.40 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 45 Resp: 1216148
Ion Ratio Lower Upper
45 100
43 58.1 45.7 68.5
87 27.5 22.7 34.1
59 12.3 9.5 14.3





#23

Vinyl Acetate

Concen: 261.00 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

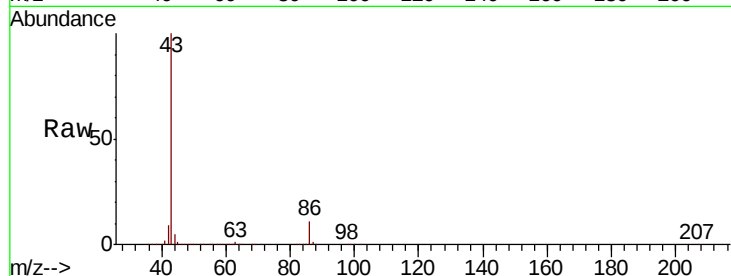
VSTDCCC050

Tot Ion: 43 Resp: 4406086

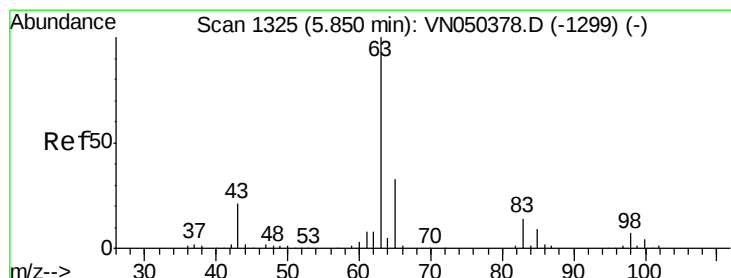
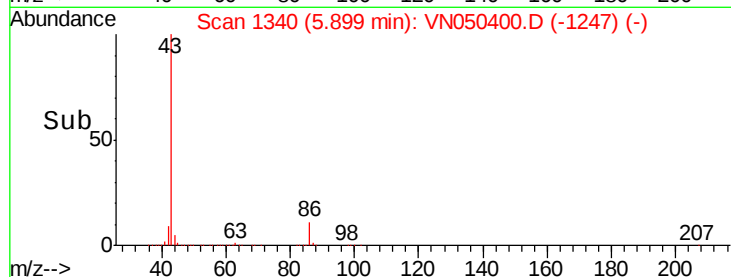
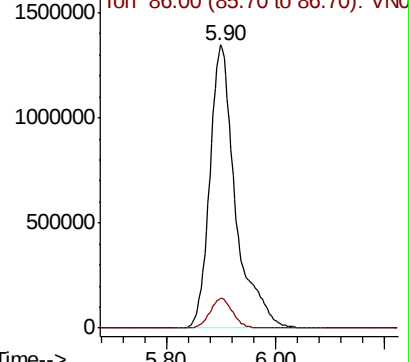
Ion Ratio Lower Upper

43 100

86 10.7 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN050400.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 48.39 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

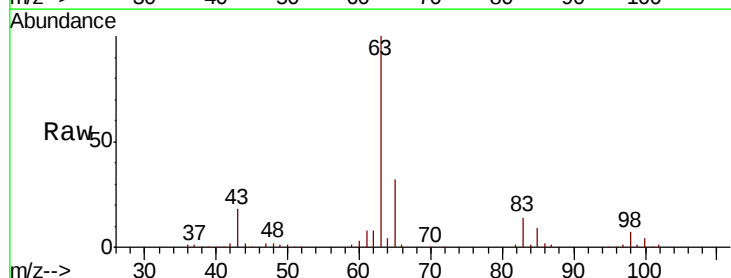
Tgt Ion: 63 Resp: 702482

Ion Ratio Lower Upper

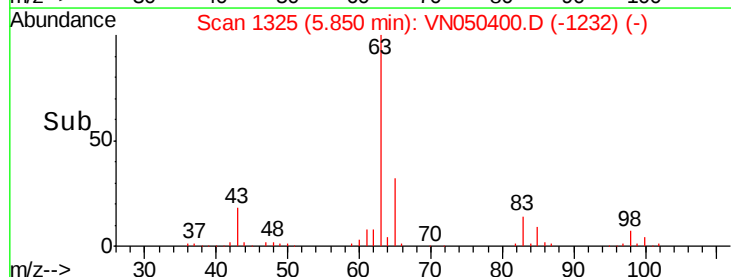
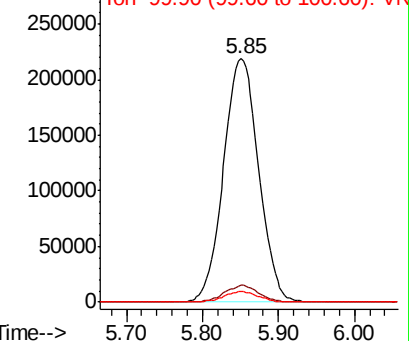
63 100

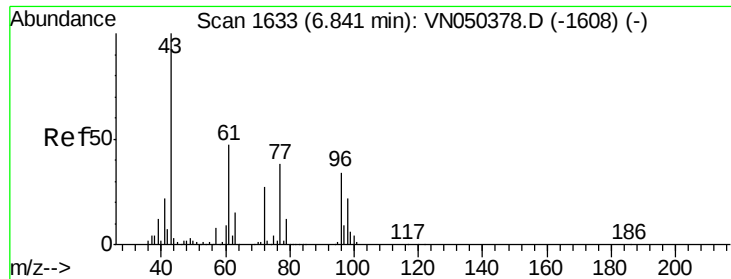
98 6.8 3.3 9.8

100 4.3 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN050400.D (-1232) (-)





#25

2-Butanone

Concen: 259.31 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

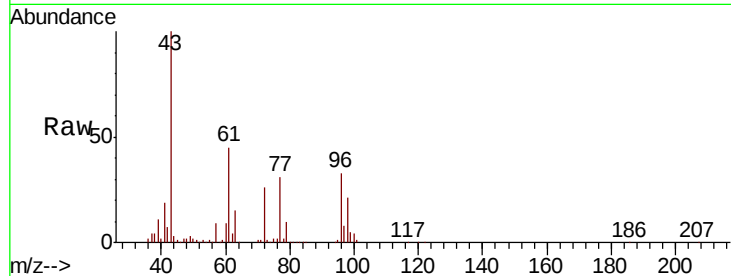
VSTDCCC050

Tot Ion: 43 Resp: 1145322

Ion Ratio Lower Upper

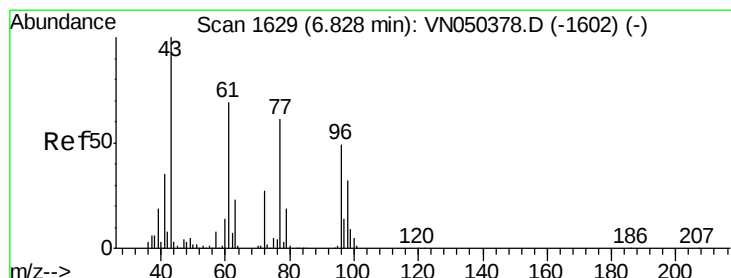
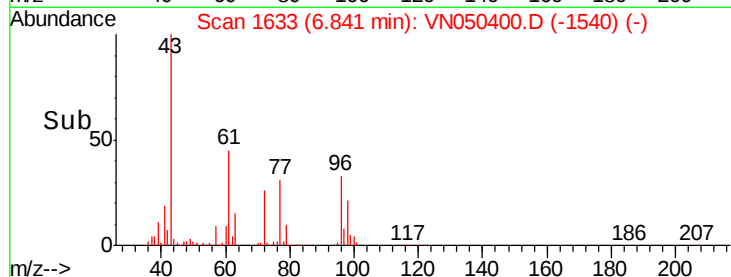
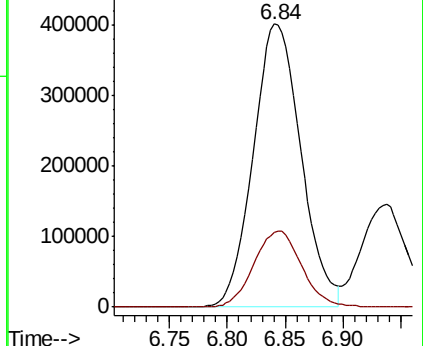
43 100

72 26.3 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 39.82 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050400.D

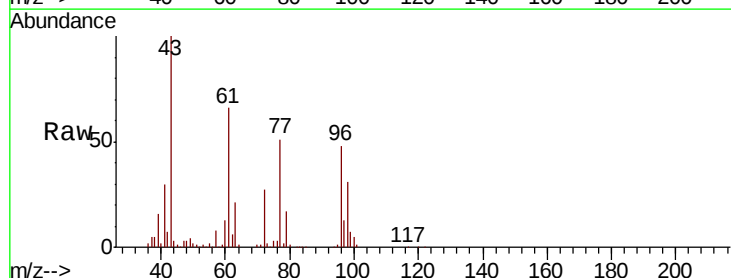
Acq: 6 Aug 2018 22:29

Tgt Ion: 77 Resp: 476578

Ion Ratio Lower Upper

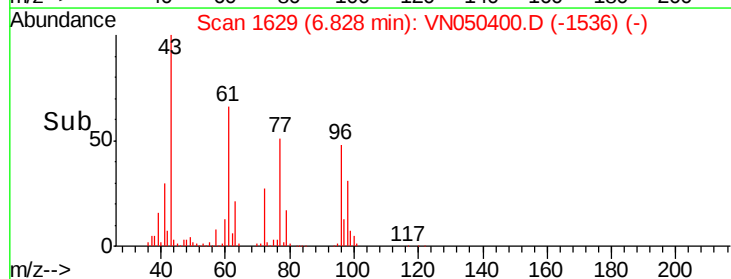
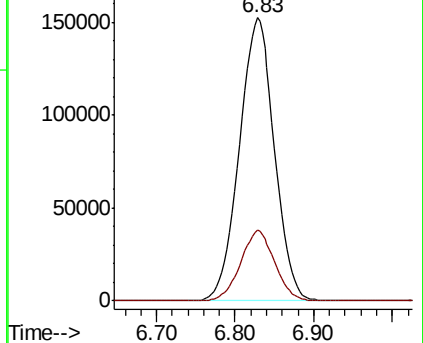
77 100

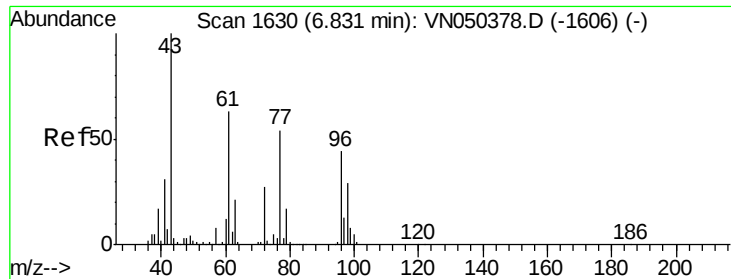
97 24.3 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 49.05 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

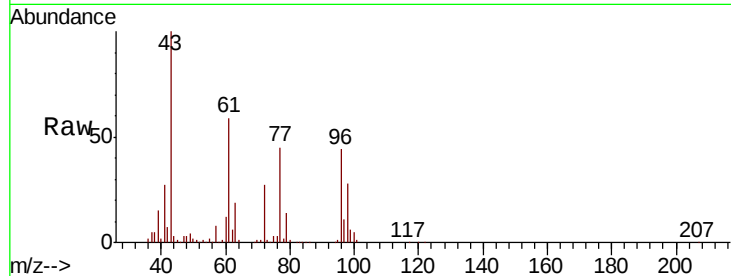
Tot Ion: 96 Resp: 424304

Ion Ratio Lower Upper

96 100

61 138.7 0.0 285.0

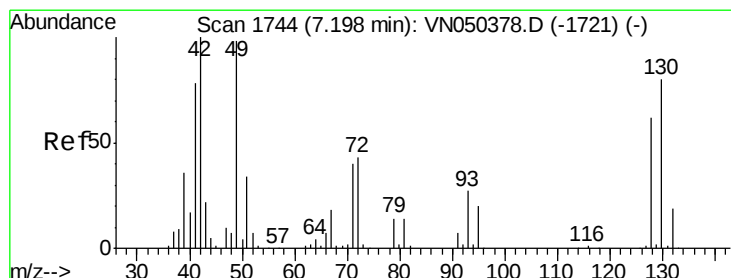
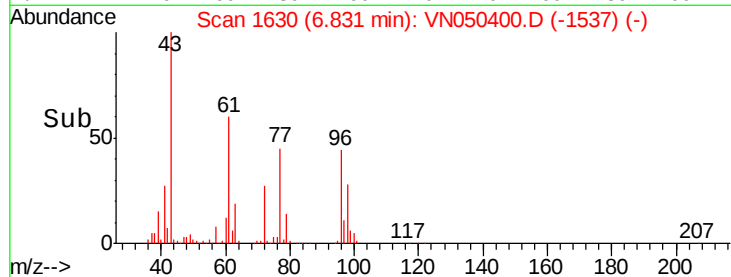
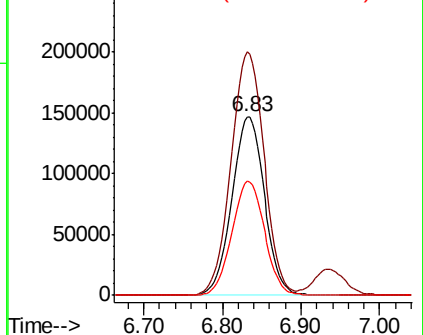
98 64.3 0.0 129.2



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: 50.47 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

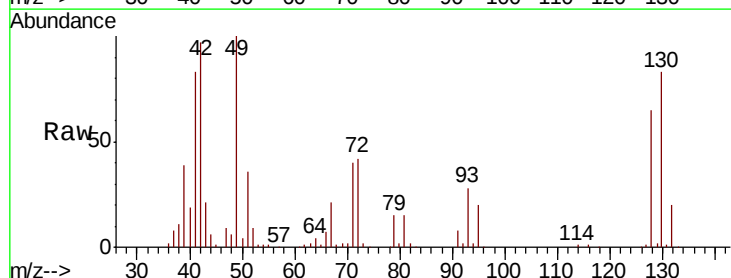
Tgt Ion: 49 Resp: 337283

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

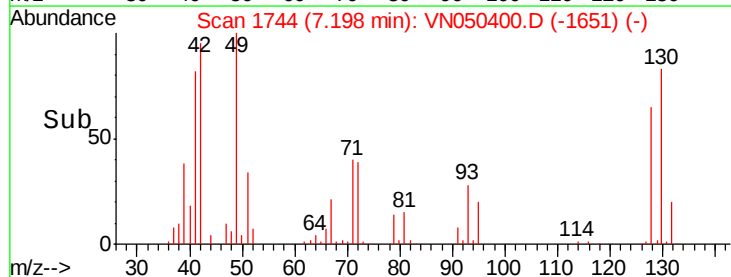
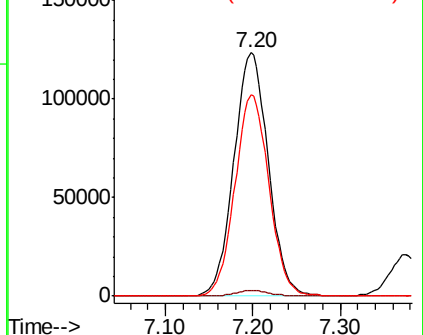
130 81.8 66.3 99.5

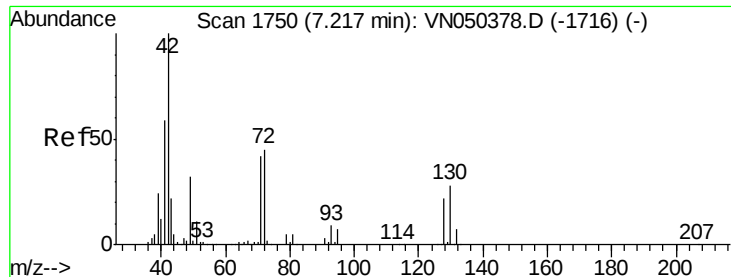


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 257.86 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

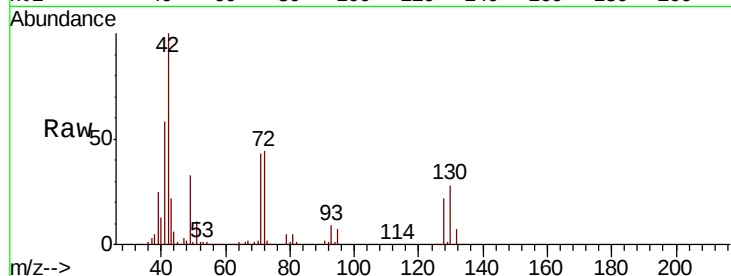
Tot Ion: 42 Resp: 609607

Ion Ratio Lower Upper

42 100

72 44.4 35.9 53.9

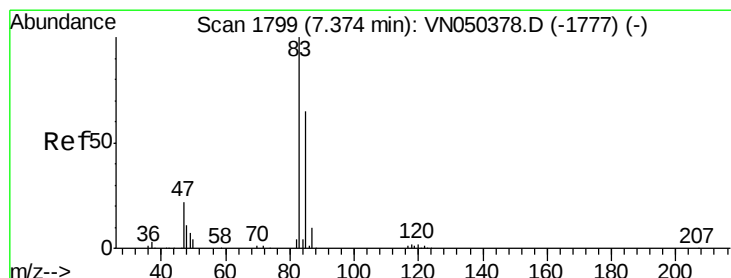
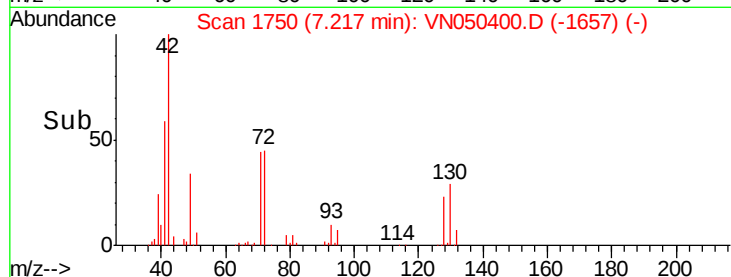
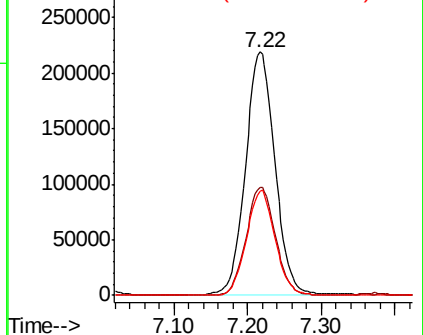
71 42.0 33.7 50.5



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: 49.08 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050400.D

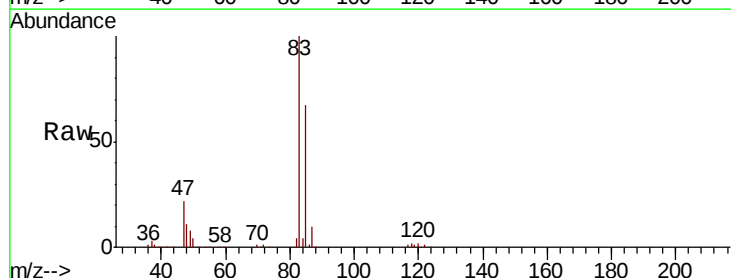
Acq: 6 Aug 2018 22:29

Tgt Ion: 83 Resp: 712284

Ion Ratio Lower Upper

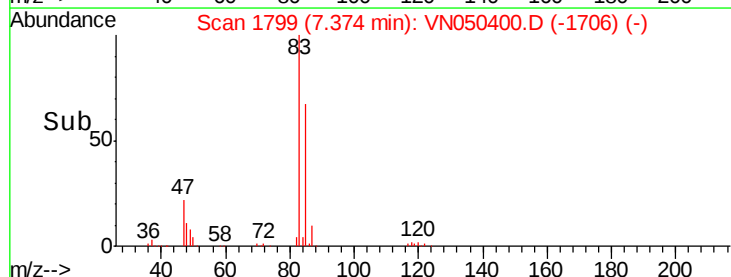
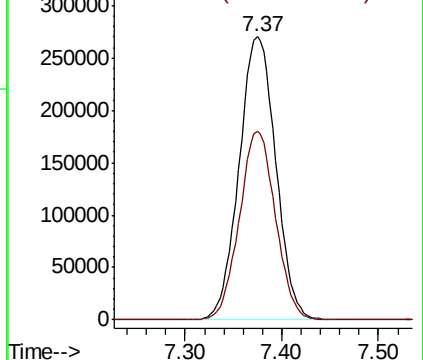
83 100

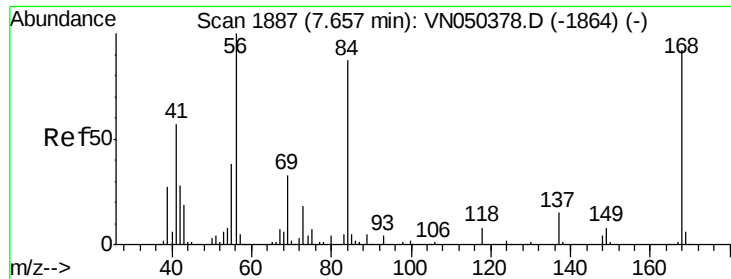
85 66.7 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

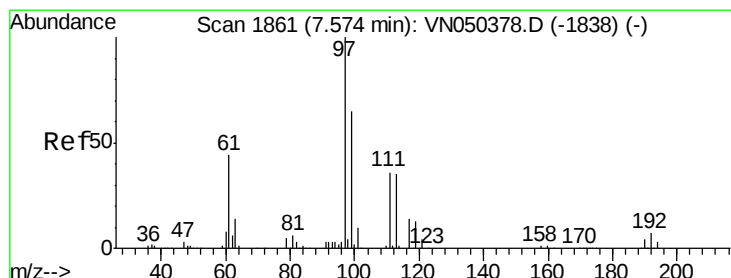
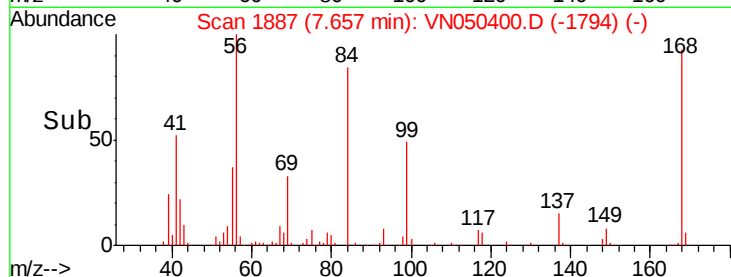
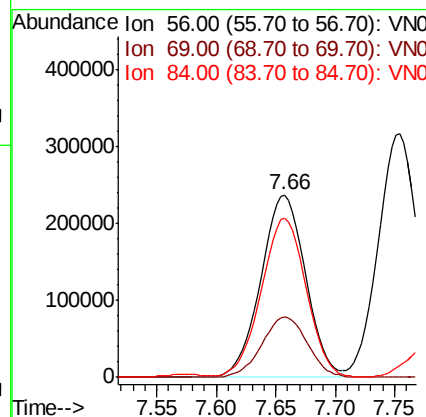
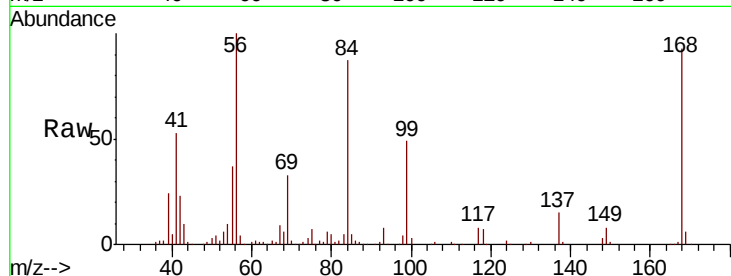




#31
Cyclohexane
Concen: 48.30 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

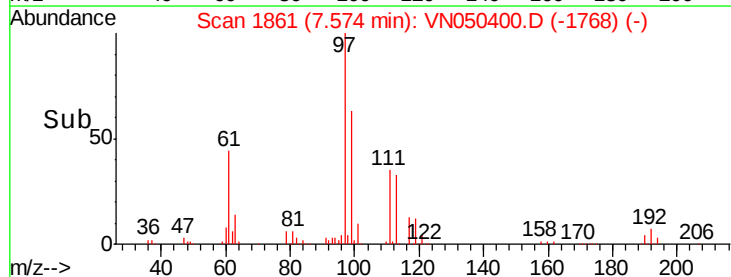
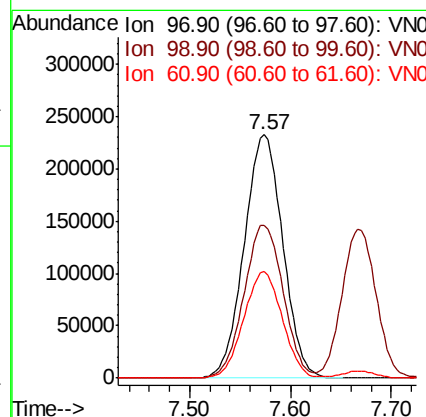
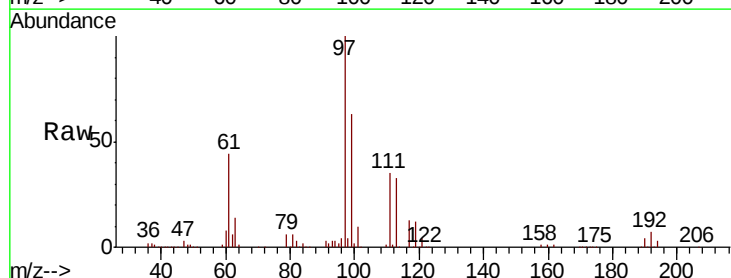
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

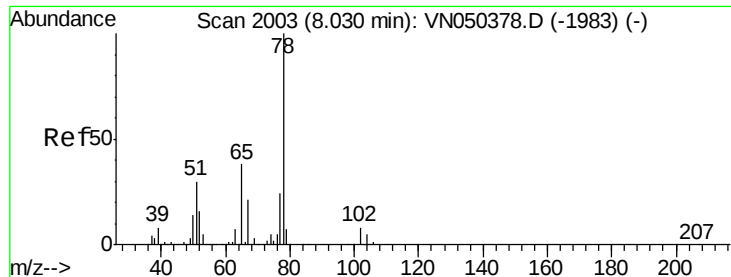
Tot Ion: 56 Resp: 617397
Ion Ratio Lower Upper
56 100
69 33.4 26.2 39.4
84 85.8 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 49.58 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 97 Resp: 617947
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.0
61 43.9 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 49.59 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

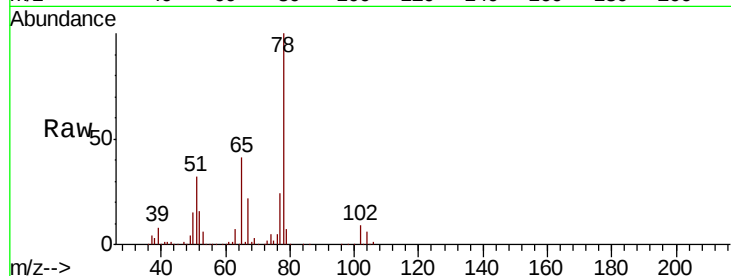
VSTDCCC050

Tot Ion: 65 Resp: 442037

Ion Ratio Lower Upper

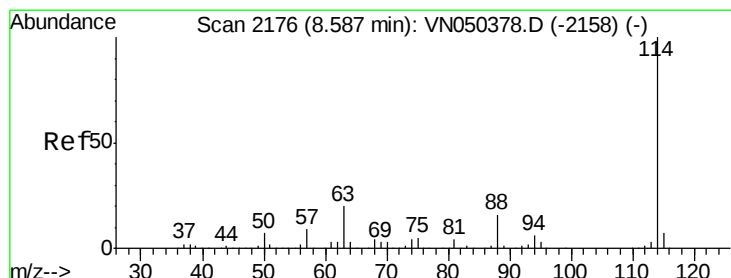
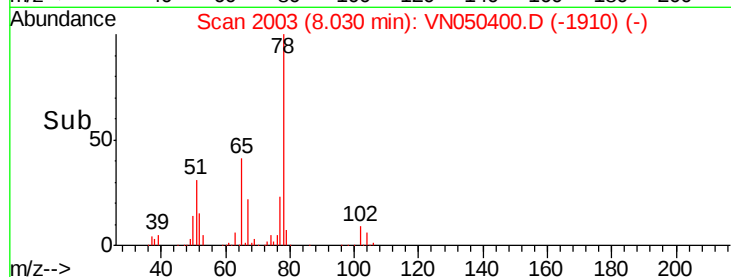
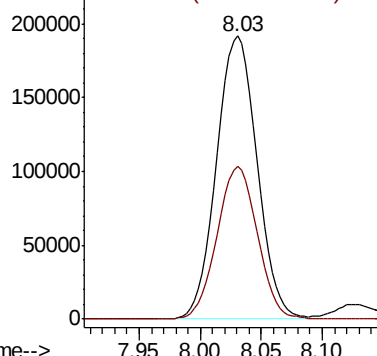
65 100

67 53.7 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

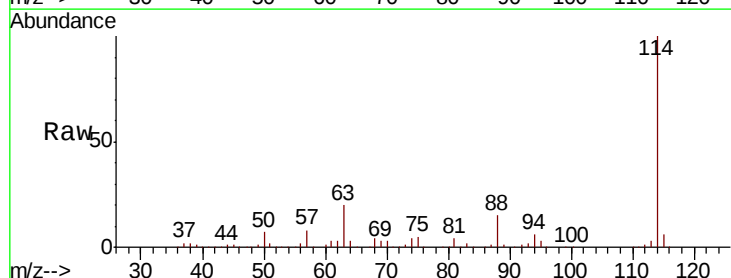
Tgt Ion: 114 Resp: 962930

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

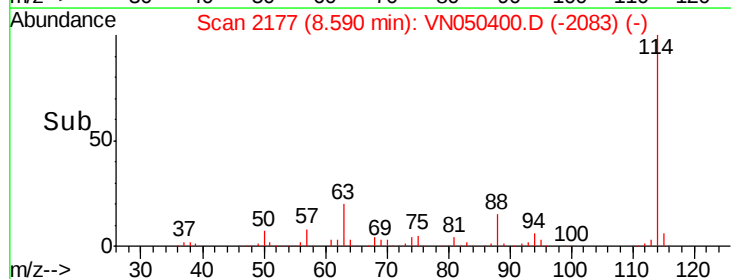
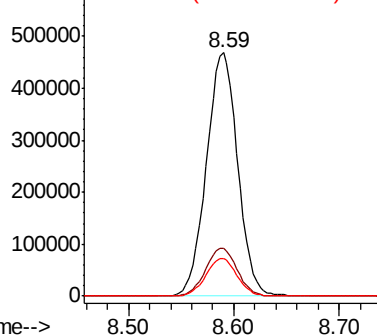
88 15.3 0.0 31.2

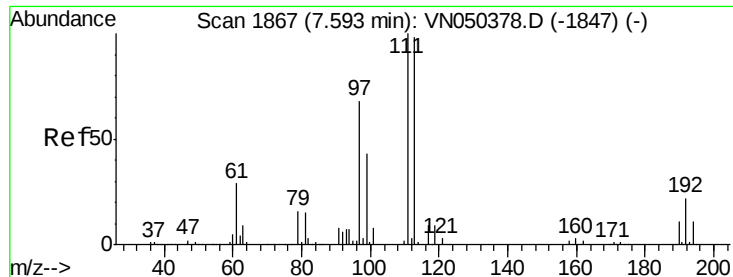


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

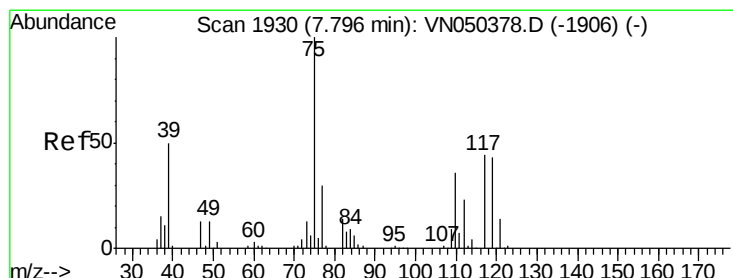
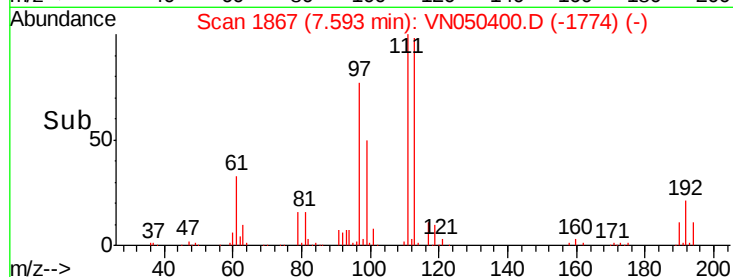
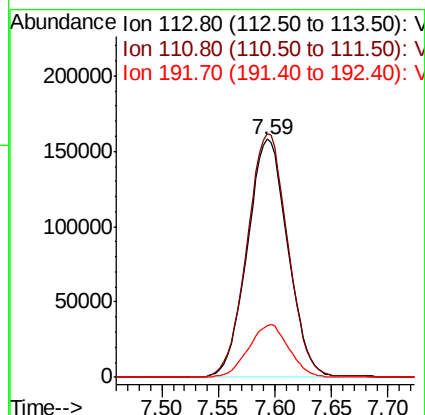
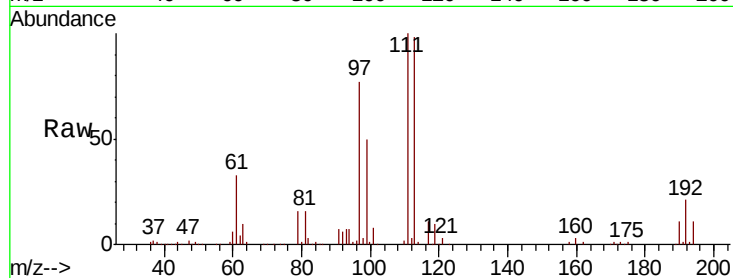




#35
 Dibromofluoromethane
 Concen: 50.95 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

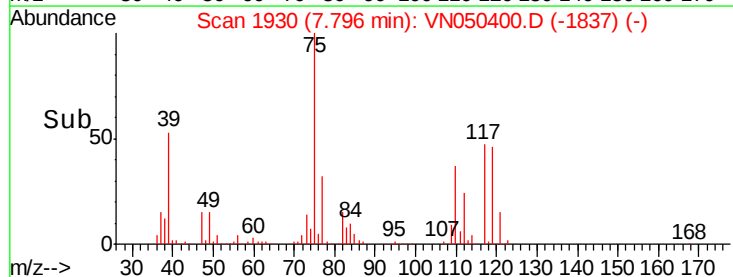
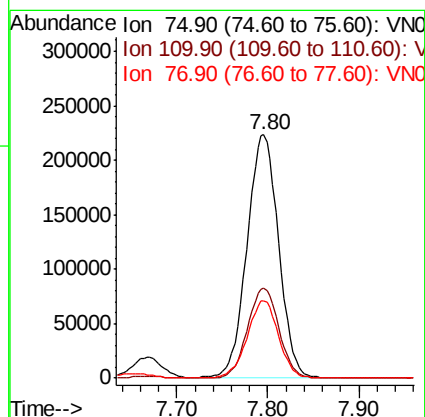
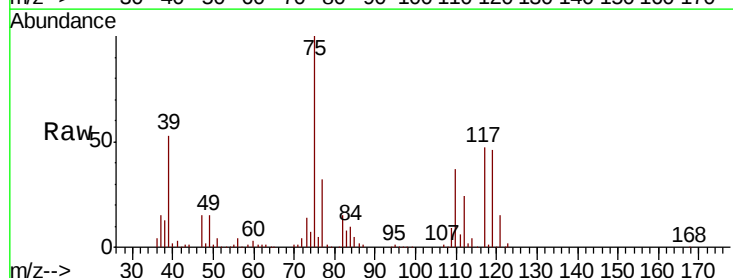
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

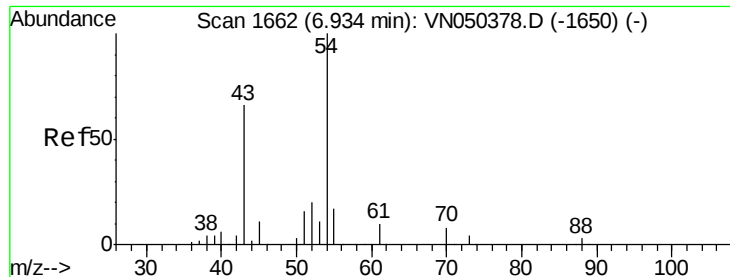
Tot Ion:113 Resp: 393650
 Ion Ratio Lower Upper
 113 100
 111 103.3 80.7 121.1
 192 22.2 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 50.74 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Tgt Ion: 75 Resp: 536887
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.4 55.2
 77 31.8 25.3 37.9

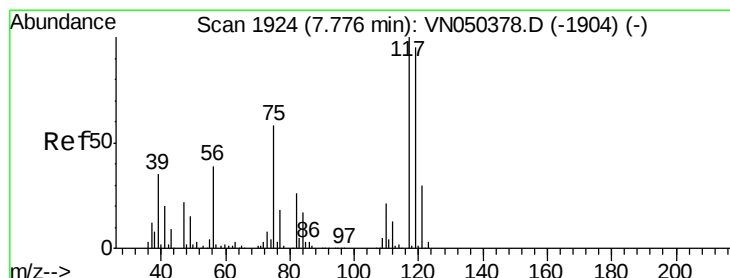
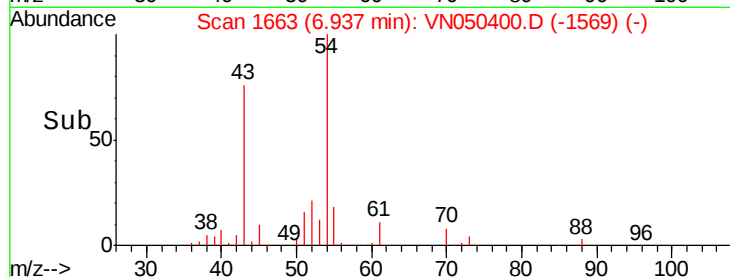
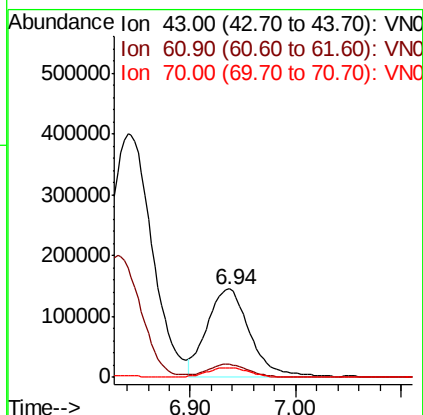
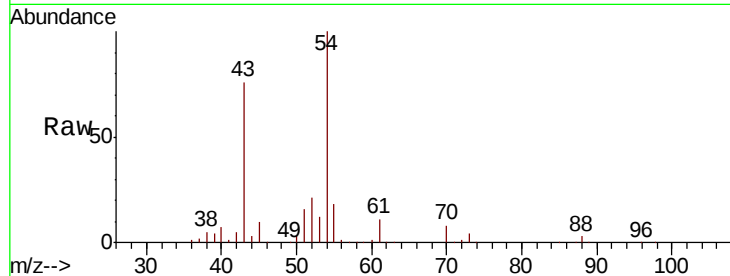




#37
Ethyl Acetate
Concen: 52.81 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

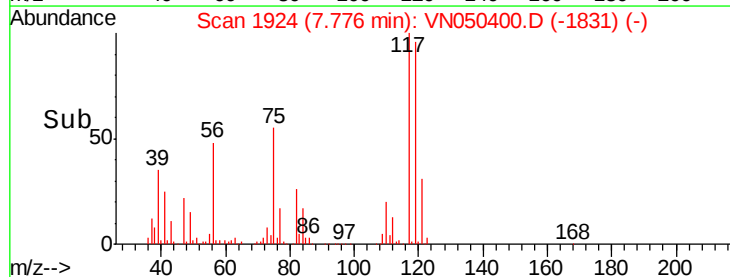
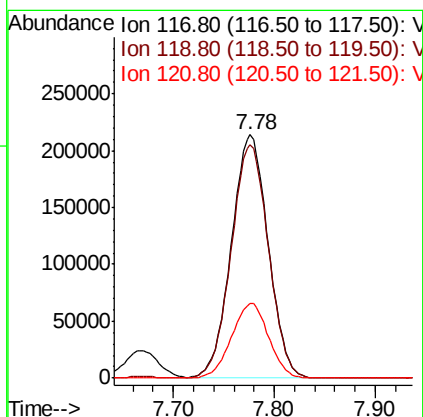
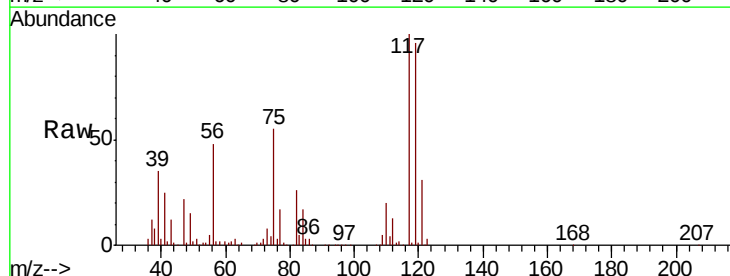
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

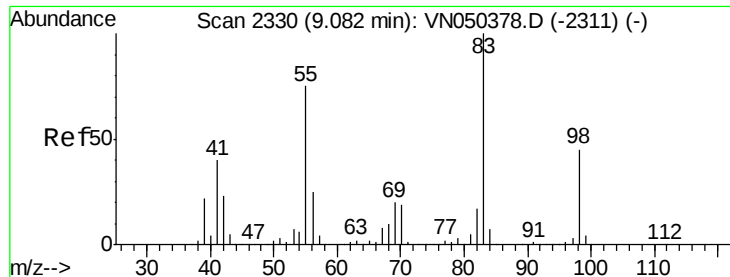
Tot Ion: 43 Resp: 402332
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.8
70 11.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 49.08 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 117 Resp: 541754
Ion Ratio Lower Upper
117 100
119 95.8 77.4 116.0
121 30.8 23.9 35.9

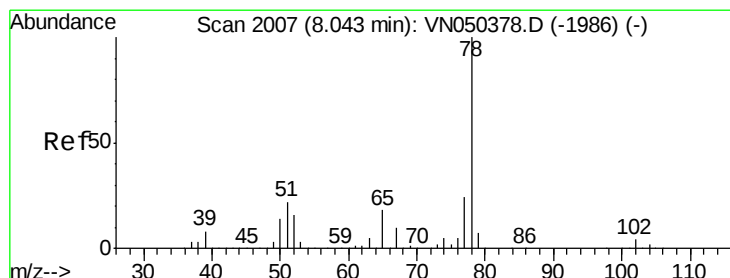
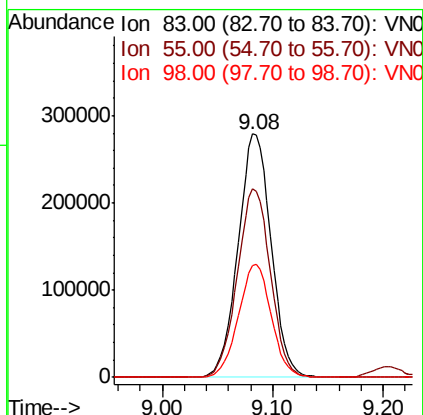
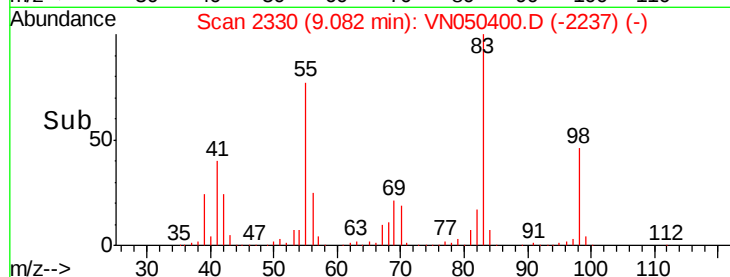
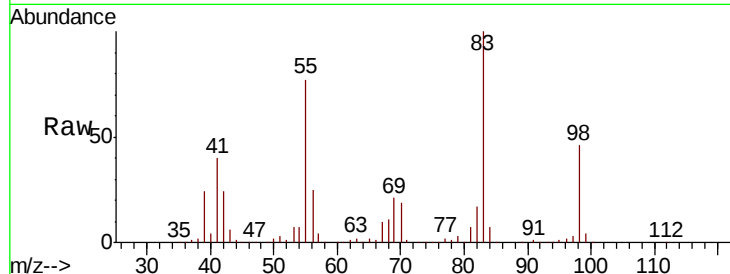




#39
Methvlcvclohexane
Concen: 50.13 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

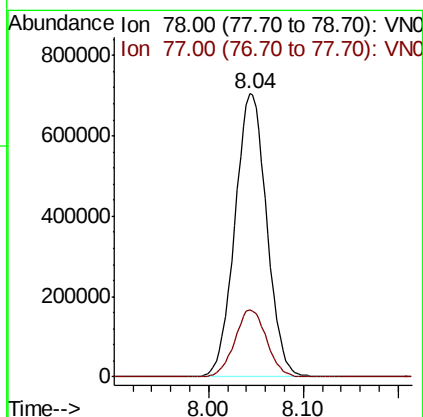
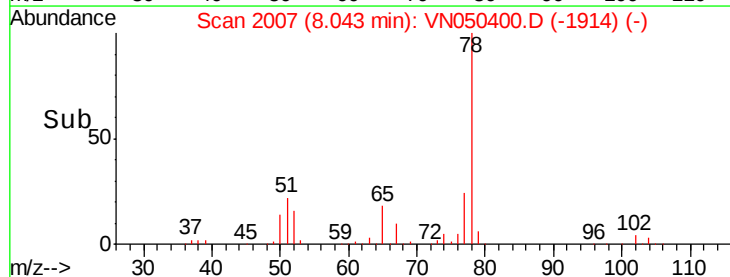
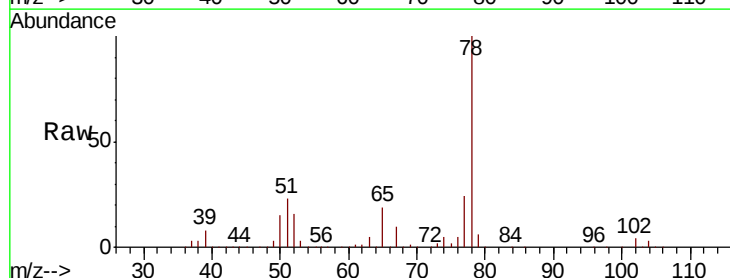
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

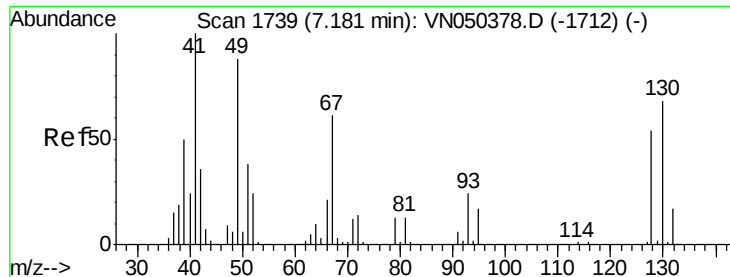
Tot Ion: 83 Resp: 578889
Ion Ratio Lower Upper
83 100
55 77.3 61.8 92.8
98 46.1 36.5 54.7



#40
Benzene
Concen: 50.55 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 78 Resp: 1644333
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1

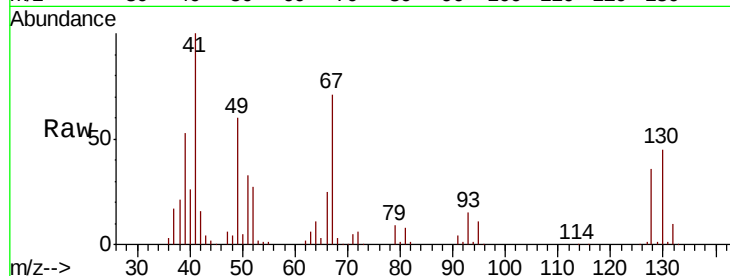




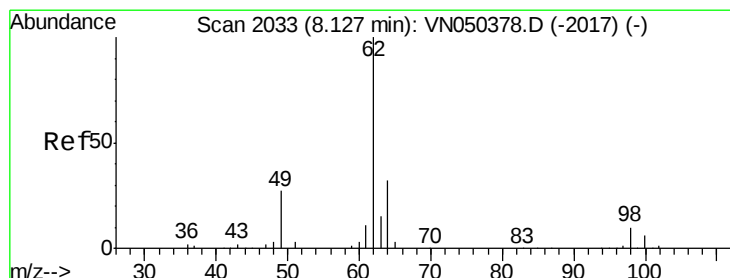
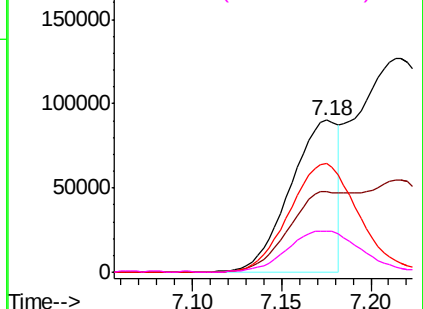
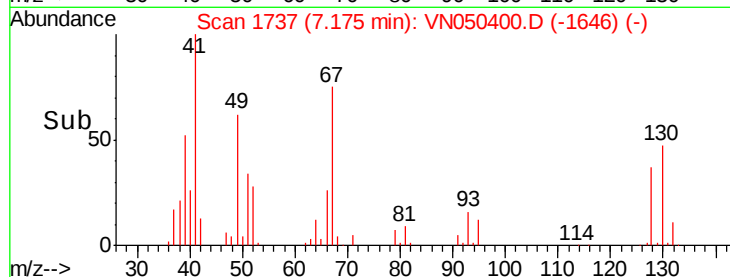
#41
Methacrylonitrile
Concen: 41.18 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 166859
Ion Ratio Lower Upper
41 100
39 59.9 55.8 83.6
67 104.8 84.3 126.5
52 41.5 34.2 51.2

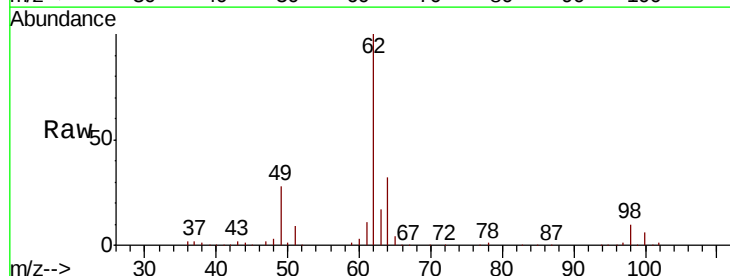


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

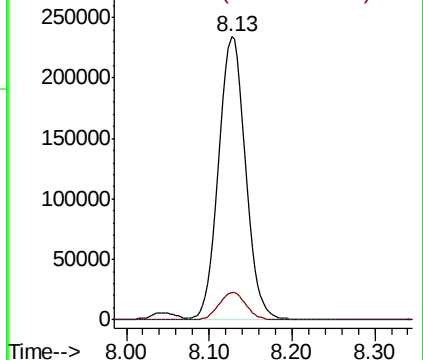
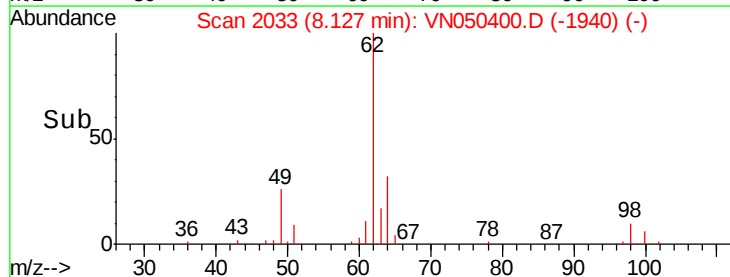


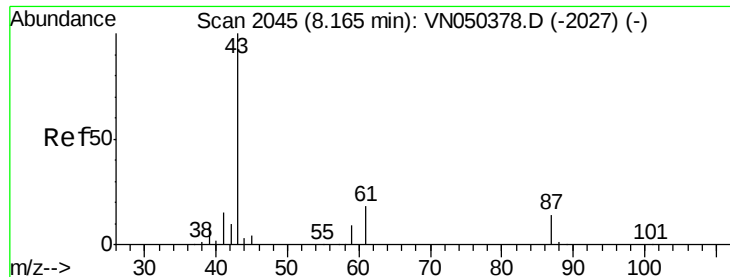
#42
1,2-Dichloroethane
Concen: 51.15 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 62 Resp: 528156
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 53.90 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

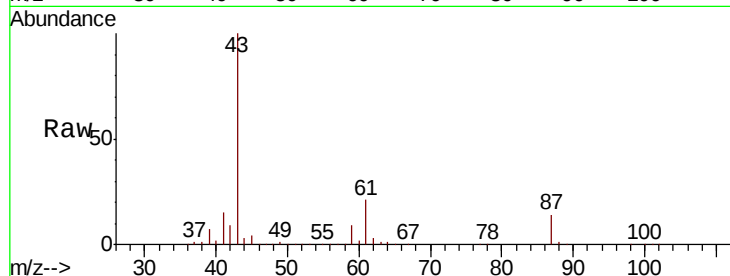
Tot Ion: 43 Resp: 708897

Ion Ratio Lower Upper

43 100

61 27.7 15.8 23.6#

87 13.1 10.3 15.5



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

Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)

8.17

400000

300000

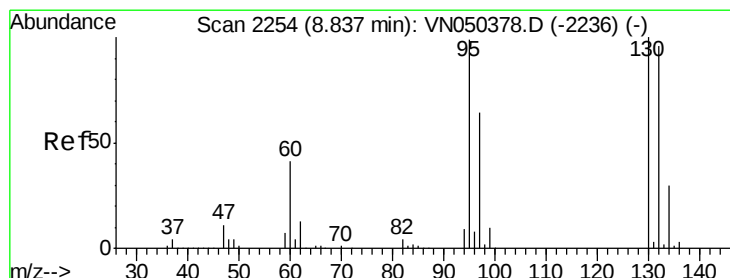
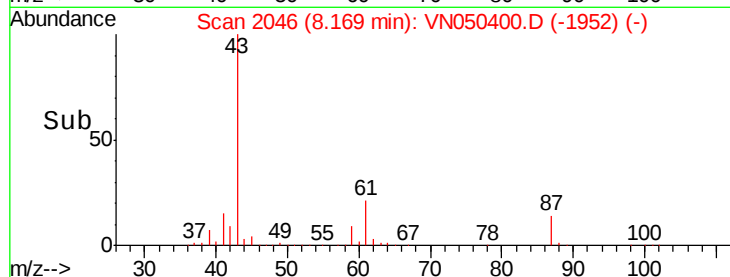
200000

100000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 48.27 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050400.D

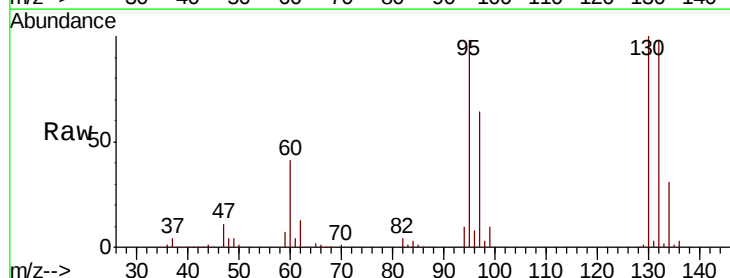
Acq: 6 Aug 2018 22:29

Tgt Ion:130 Resp: 421905

Ion Ratio Lower Upper

130 100

95 98.2 0.0 194.6



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

Ion 94.90 (94.60 to 95.60): VN050378.D (-2236) (-)

8.84

200000

150000

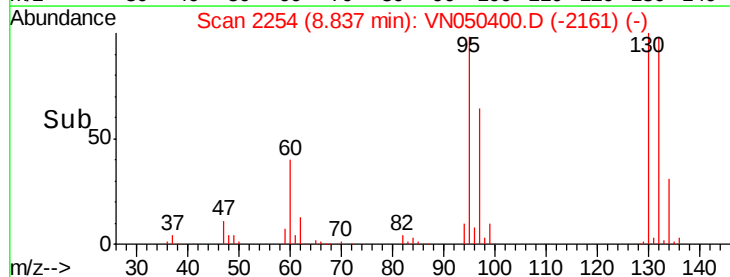
100000

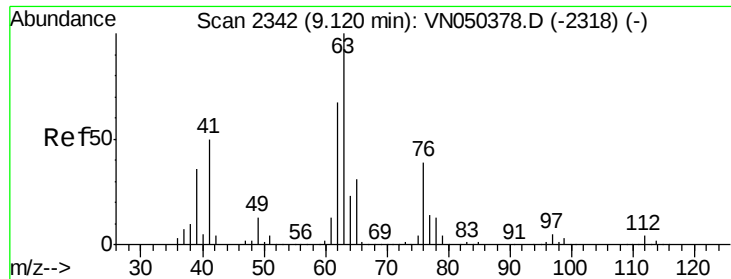
50000

0

8.75 8.80 8.85 8.90

Time-->

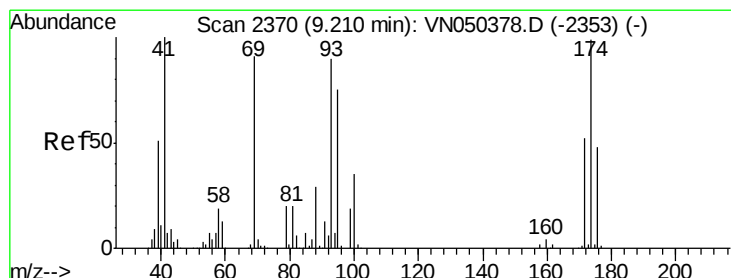
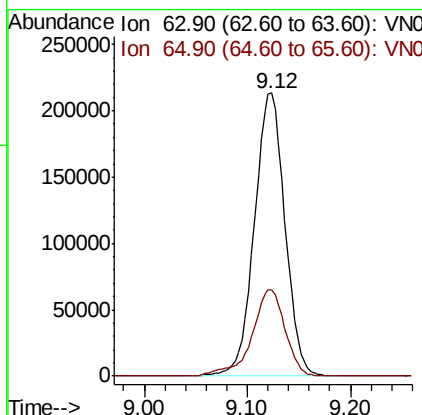
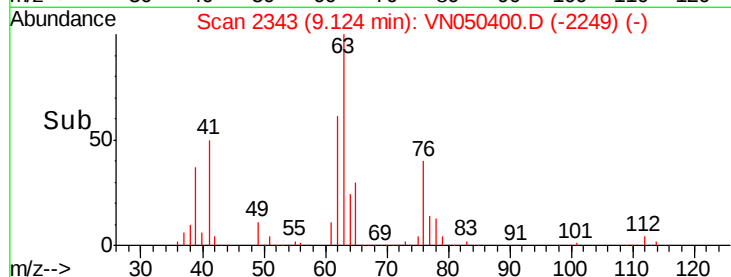
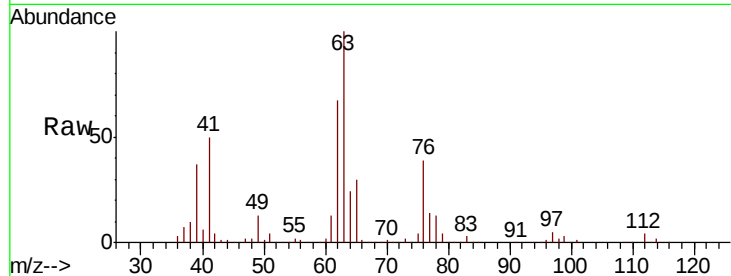




#45
 1,2-Dichloropropane
 Concen: 51.13 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

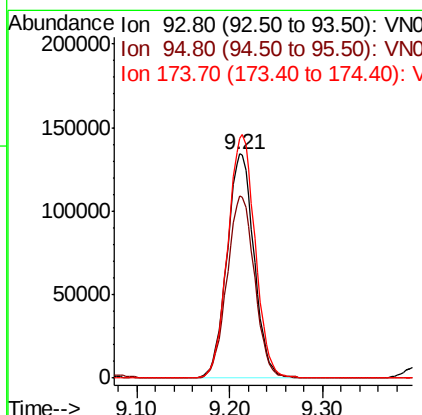
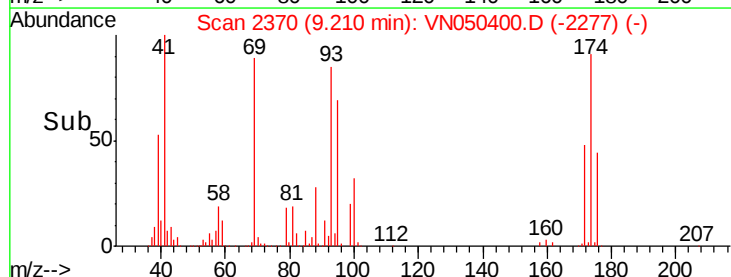
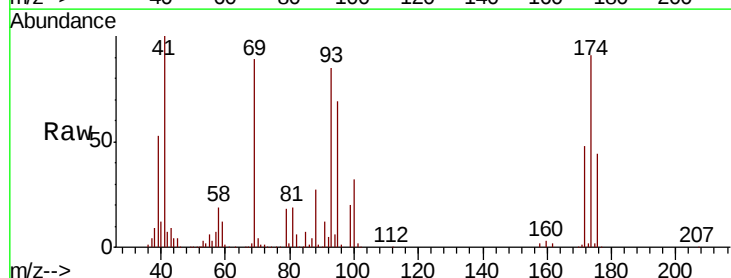
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

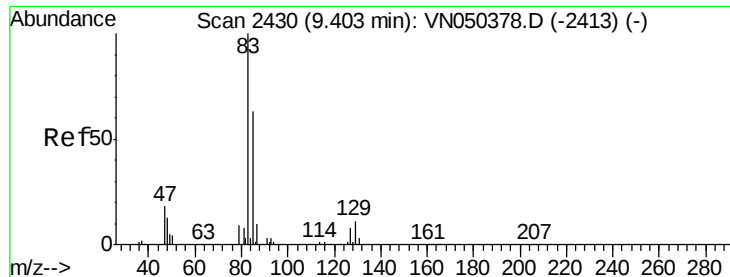
Tot Ion: 63 Resp: 437274
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.5 38.3



#46
 Dibromomethane
 Concen: 51.48 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Tgt Ion: 93 Resp: 271854
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.6 100.0
 174 109.4 87.1 130.7





#47

Bromodichloromethane

Concen: 50.93 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

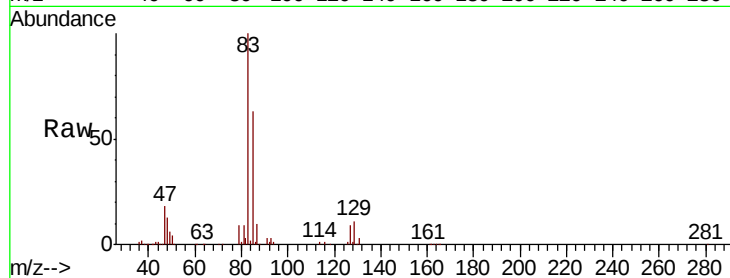
Tot Ion: 83 Resp: 557098

Ion Ratio Lower Upper

83 100

85 63.3 51.1 76.7

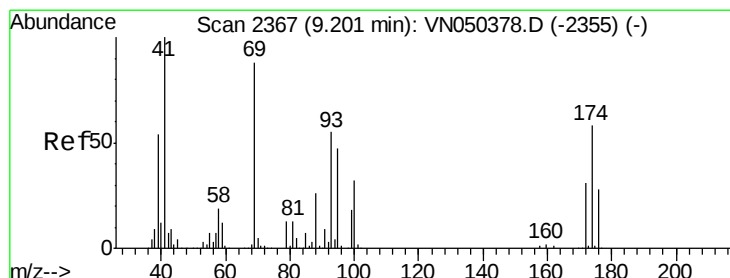
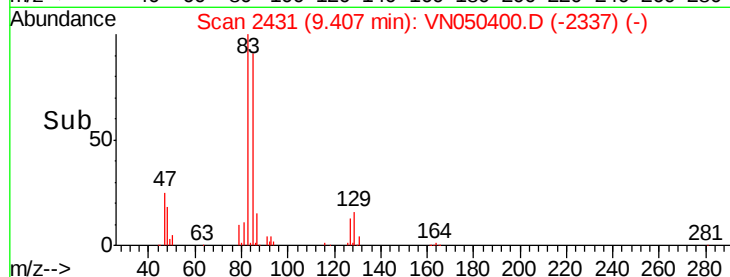
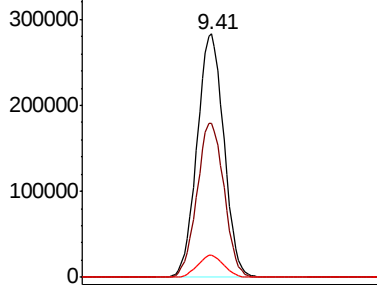
127 9.3 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN050400.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050400.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050400.D (-2337) (-)



#48

Methyl methacrylate

Concen: 53.58 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

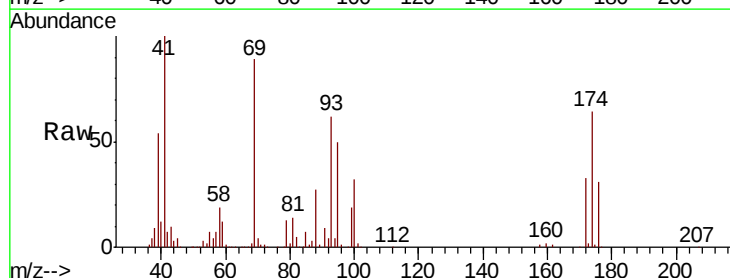
Tgt Ion: 41 Resp: 353206

Ion Ratio Lower Upper

41 100

69 88.9 70.6 105.8

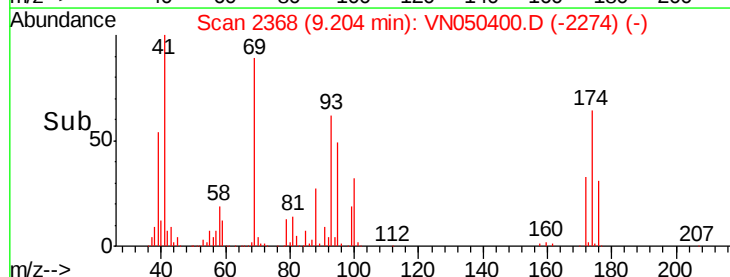
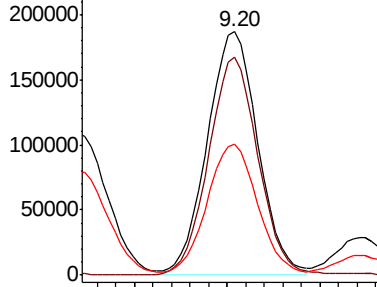
39 54.2 43.9 65.9

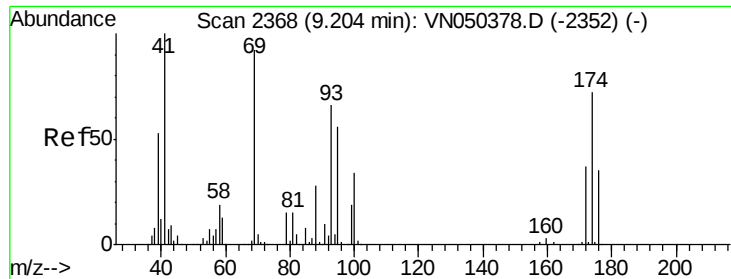


Abundance Ion 41.00 (40.70 to 41.70): VN050400.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN050400.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN050400.D (-2274) (-)

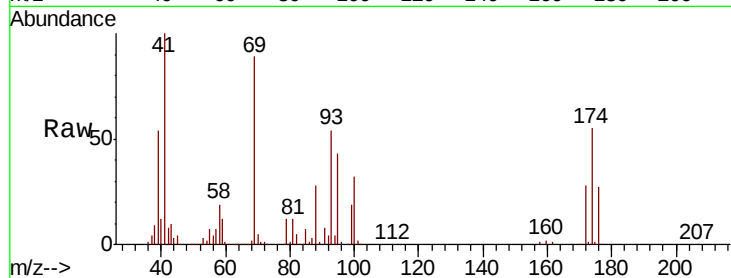




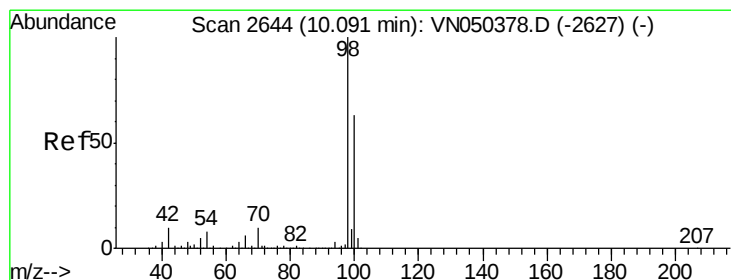
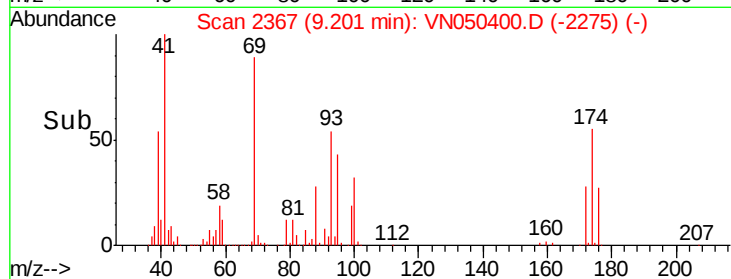
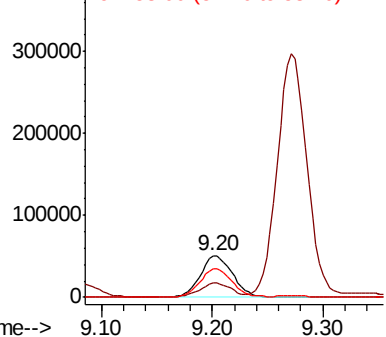
#49
1,4-Dioxane
Concen: 1024.07 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 104061
Ion Ratio Lower Upper
88 100
43 31.1 26.9 40.3
58 69.0 57.3 85.9

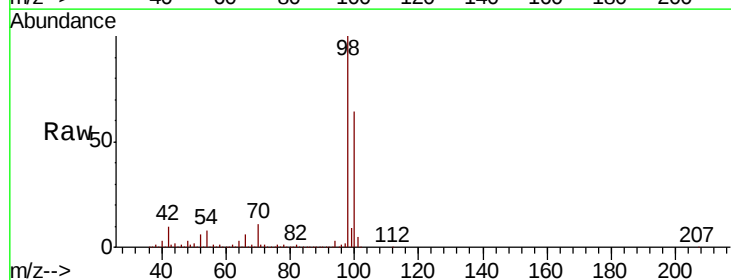


Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

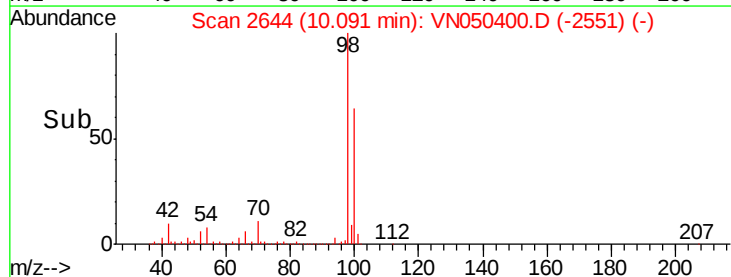
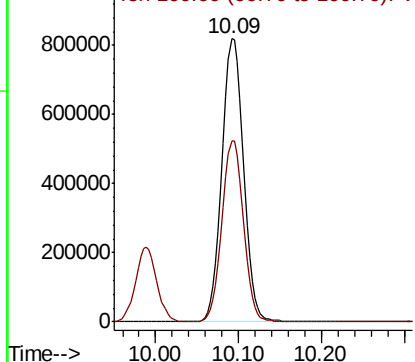


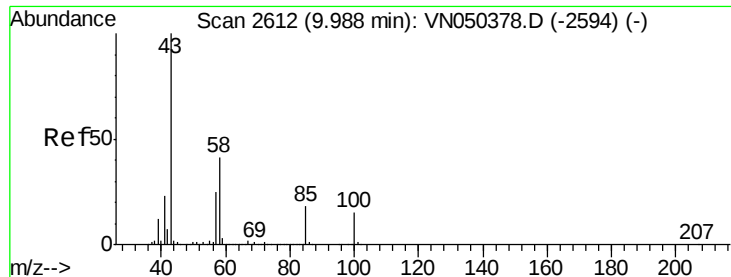
#50
Toluene-d8
Concen: 50.99 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 98 Resp: 1481419
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1



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





#51

4-Methyl-2-Pentanone

Concen: 272.41 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

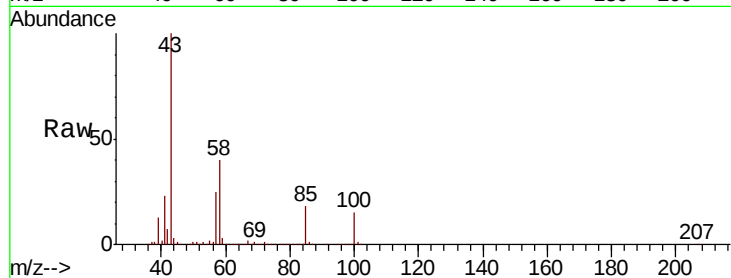
VSTDCCC050

Tot Ion: 43 Resp: 2580411

Ion Ratio Lower Upper

43 100

58 40.0 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) (-)

1500000

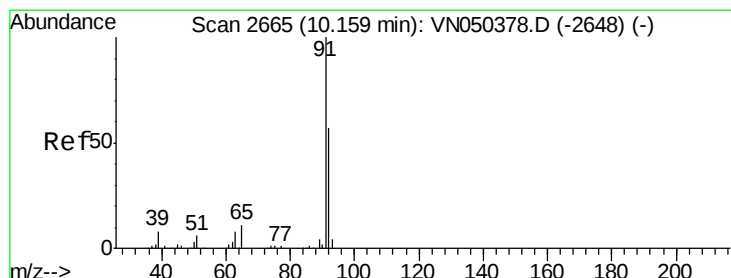
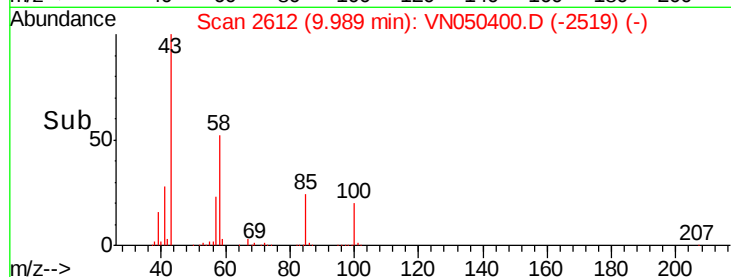
1000000

500000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 52.08 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050400.D

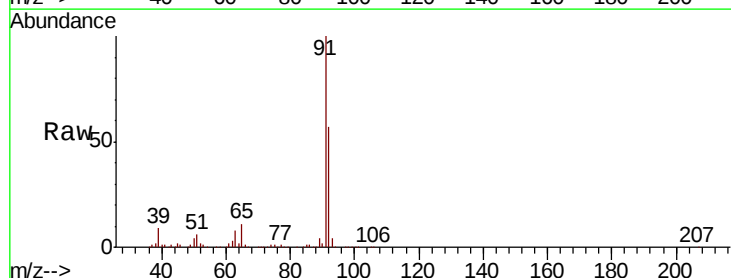
Acq: 6 Aug 2018 22:29

Tgt Ion: 92 Resp: 1017621

Ion Ratio Lower Upper

92 100

91 176.4 140.3 210.5



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

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

1000000

800000

600000

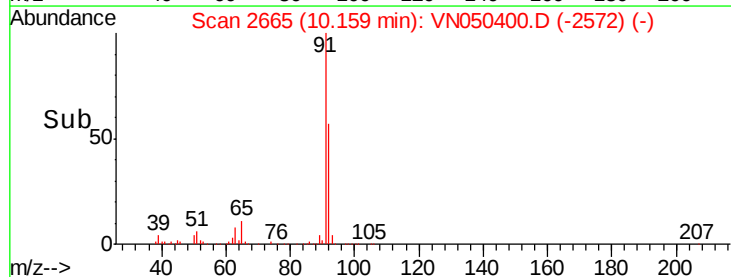
400000

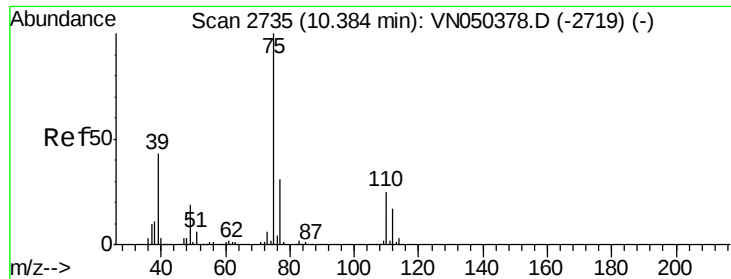
200000

0

10.10 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.79 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

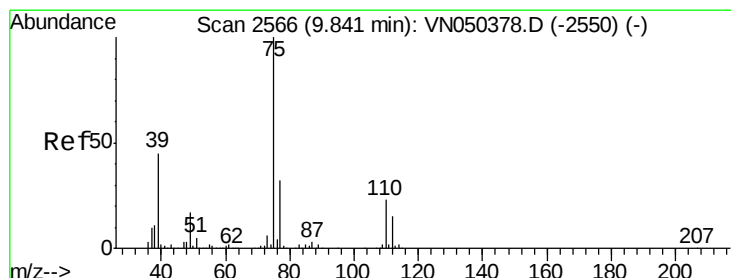
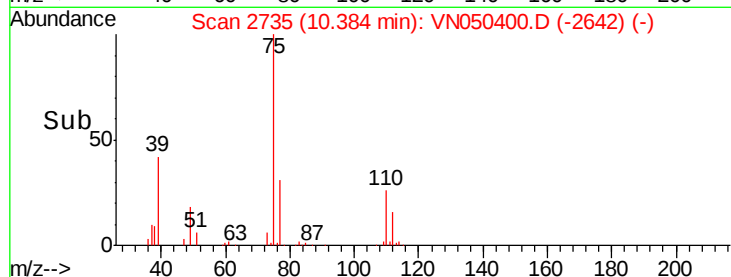
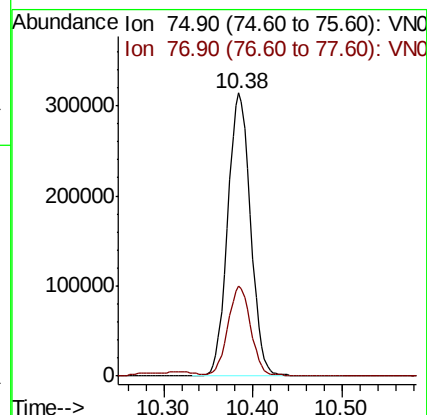
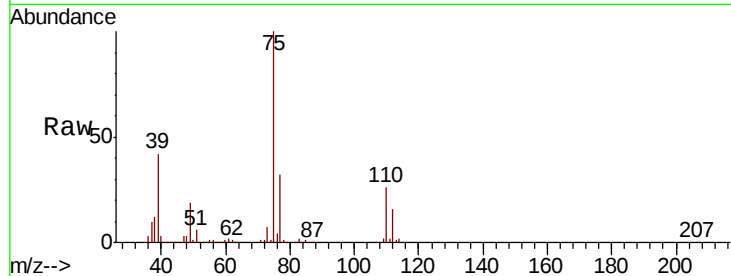
VSTDCCC050

Tot Ion: 75 Resp: 557759

Ion Ratio Lower Upper

75 100

77 31.5 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 51.17 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

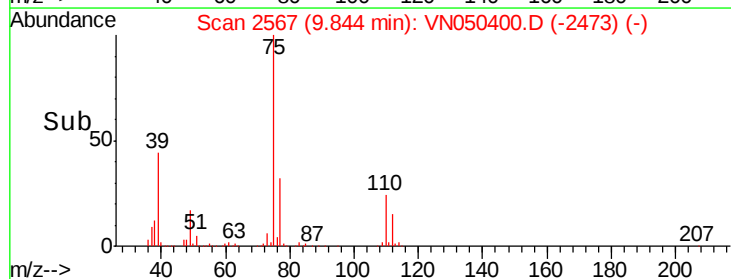
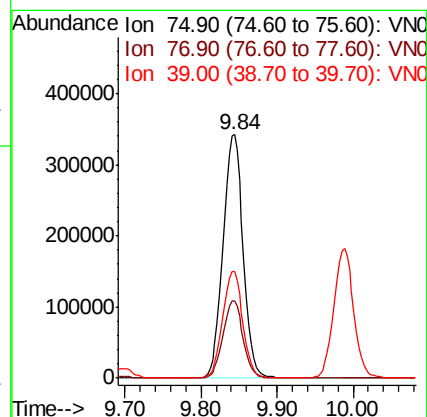
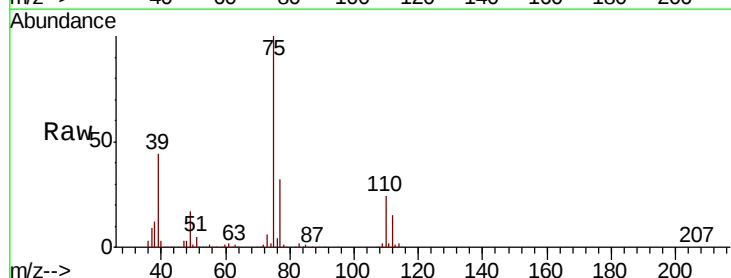
Tgt Ion: 75 Resp: 627147

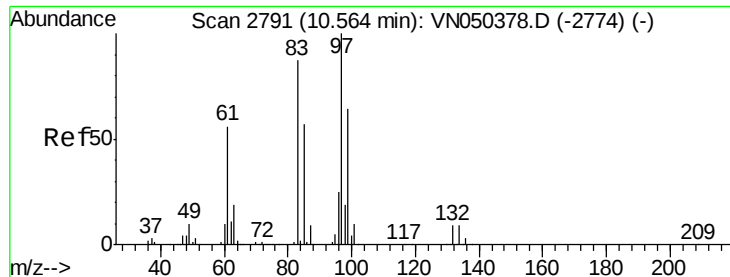
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 43.6 36.6 55.0

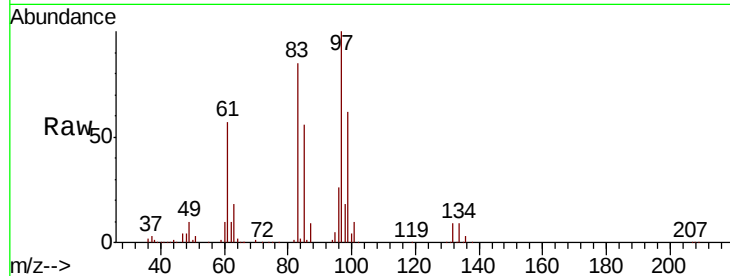




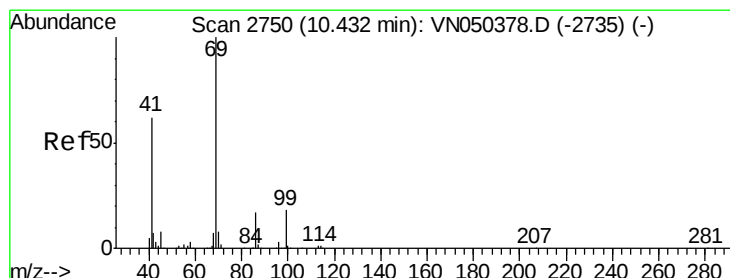
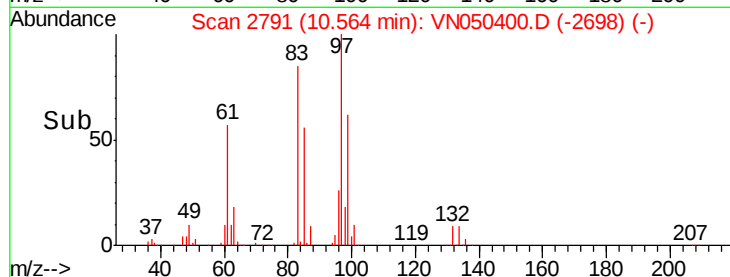
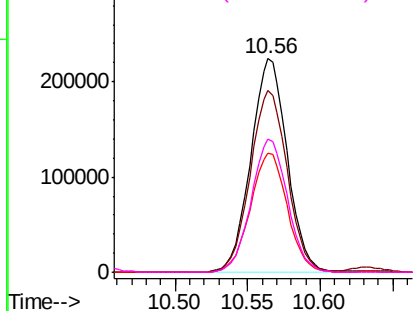
#55
 1,1,2-Trichloroethane
 Concen: 51.34 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 391638
 Ion Ratio Lower Upper
 97 100
 83 85.1 69.2 103.8
 85 55.9 44.0 66.0
 99 62.3 49.9 74.9

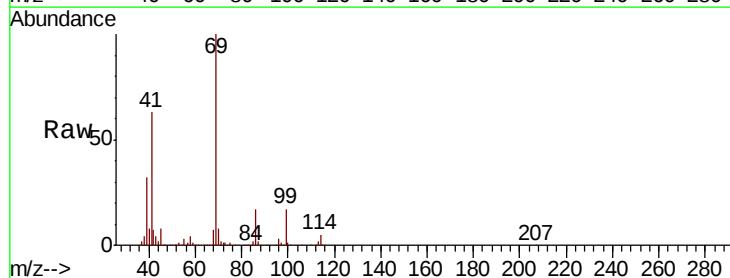


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

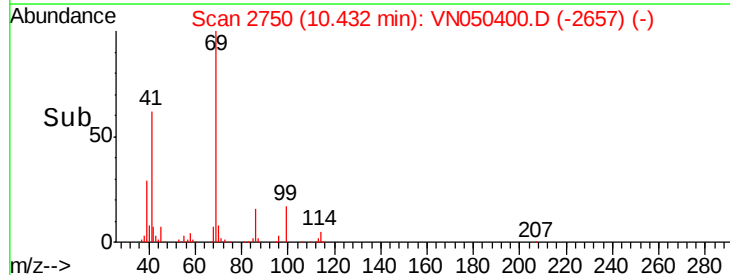
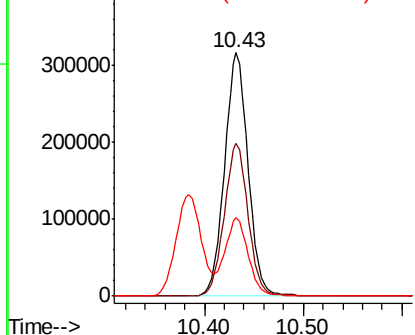


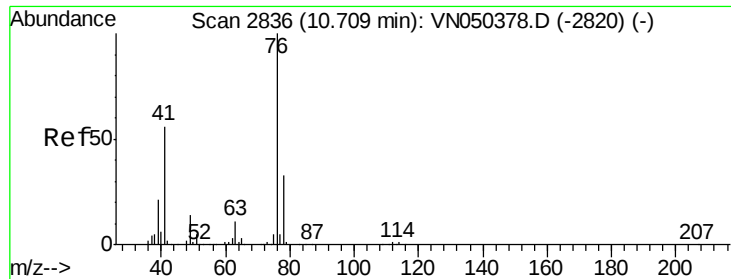
#56
 Ethyl methacrylate
 Concen: 49.04 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Tgt Ion: 69 Resp: 529018
 Ion Ratio Lower Upper
 69 100
 41 62.8 51.0 76.4
 39 31.9 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: 51.41 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

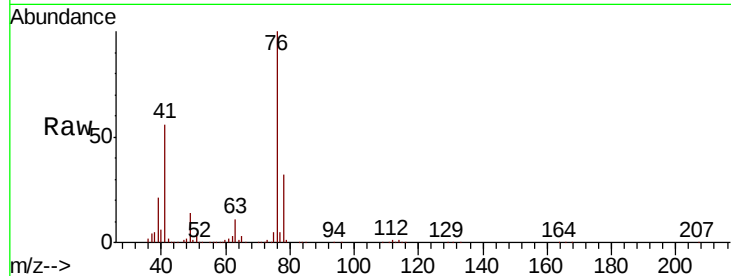
VSTDCCC050

Tot Ion: 76 Resp: 643715

Ion Ratio Lower Upper

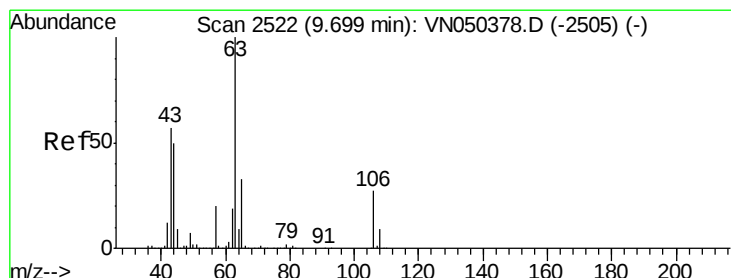
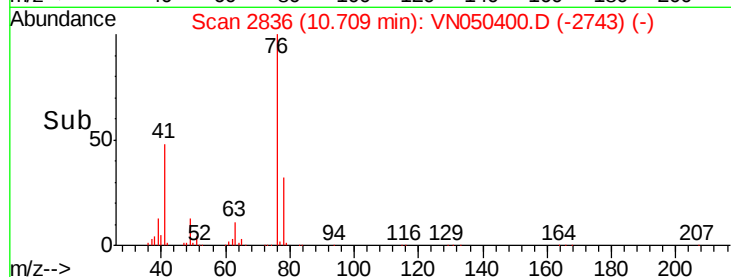
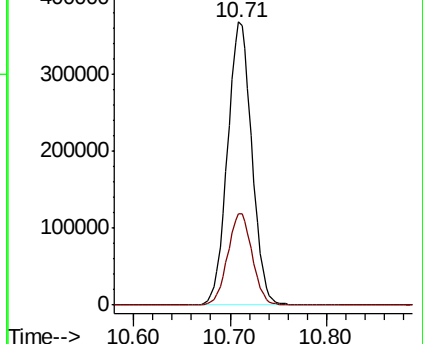
76 100

78 32.7 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: 249.86 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050400.D

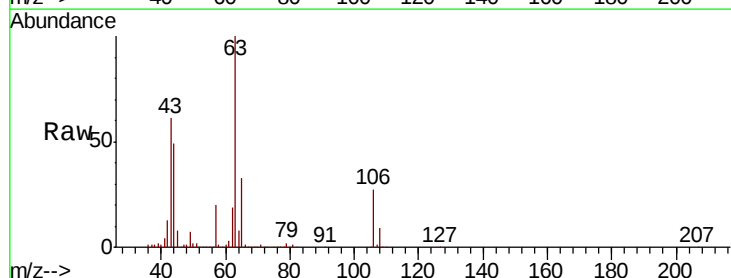
Acq: 6 Aug 2018 22:29

Tgt Ion: 63 Resp: 1257169

Ion Ratio Lower Upper

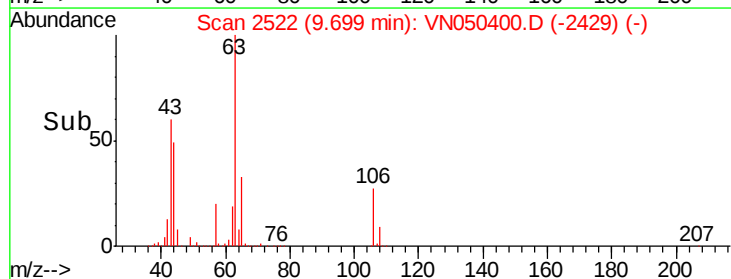
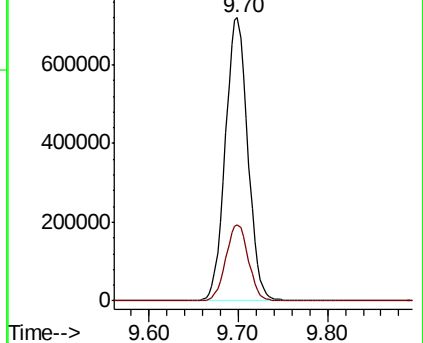
63 100

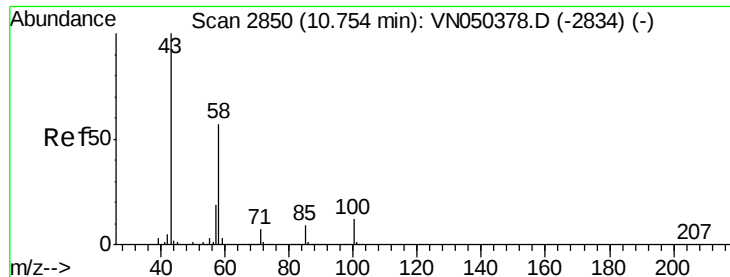
106 27.1 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

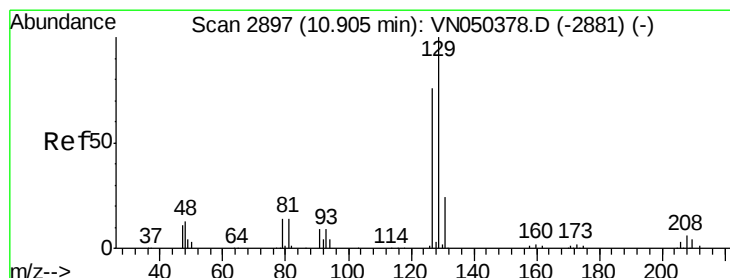
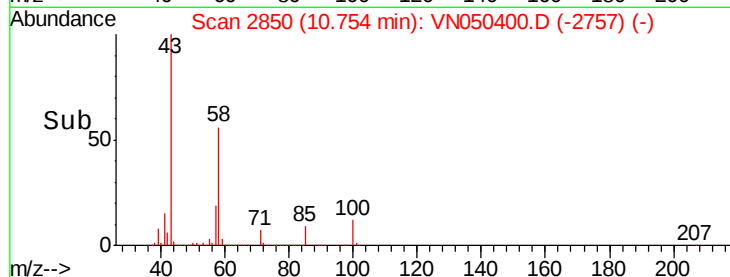
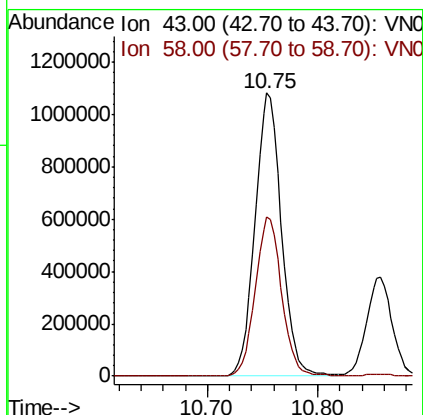
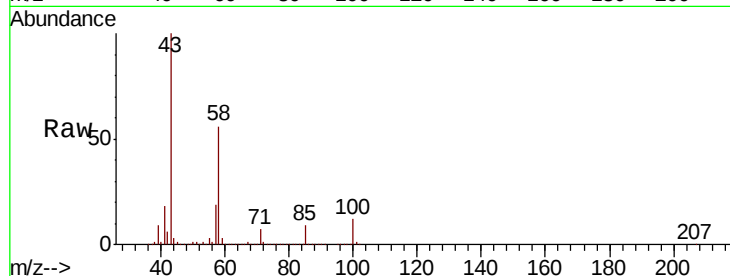




#59
2-Hexanone
Concen: 271.14 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

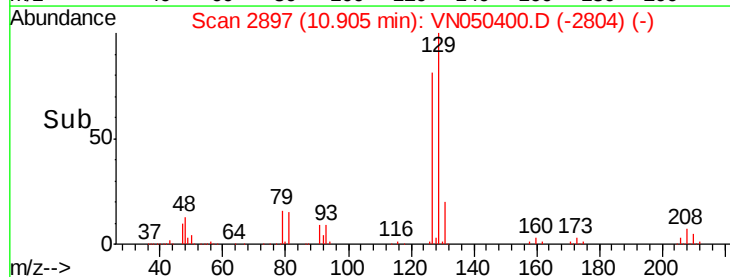
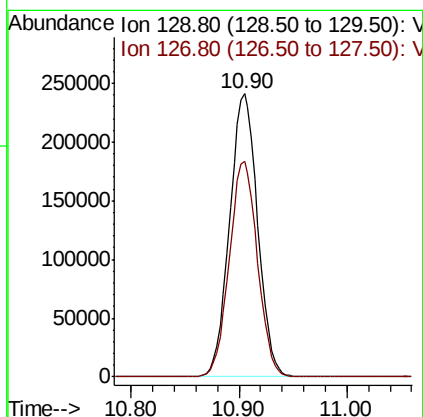
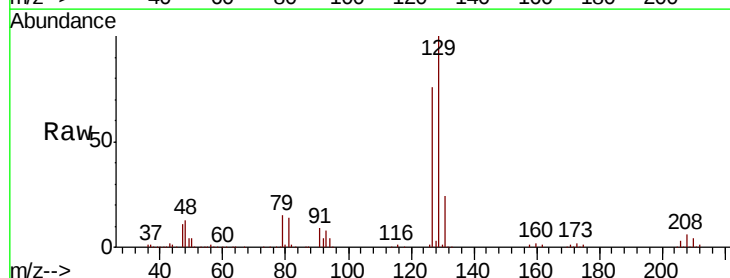
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

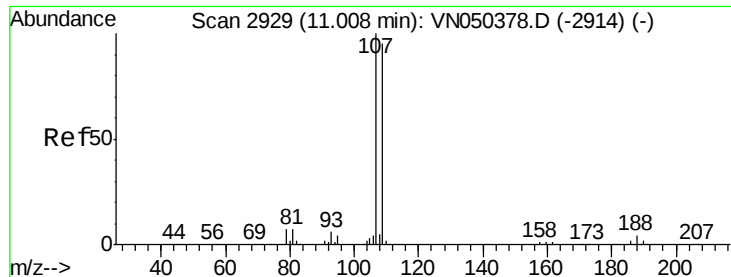
Tot Ion: 43 Resp: 1792450
Ion Ratio Lower Upper
43 100
58 56.2 27.6 82.7



#60
Dibromochloromethane
Concen: 51.94 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 129 Resp: 436454
Ion Ratio Lower Upper
129 100
127 76.5 38.0 113.9

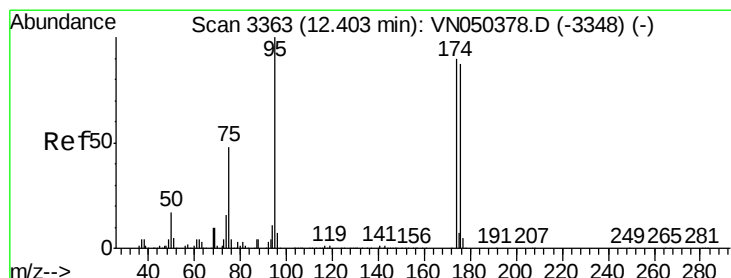
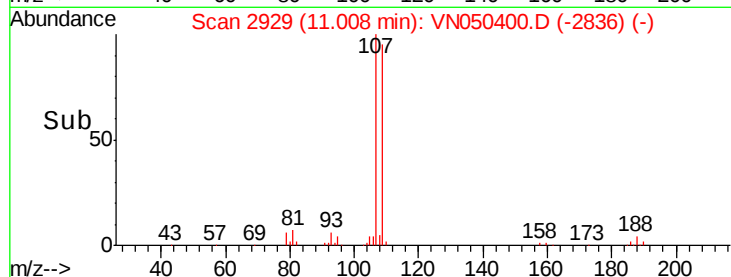
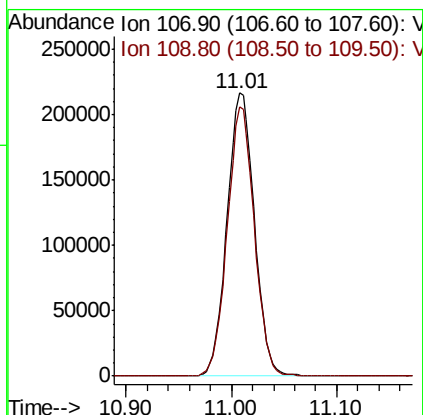
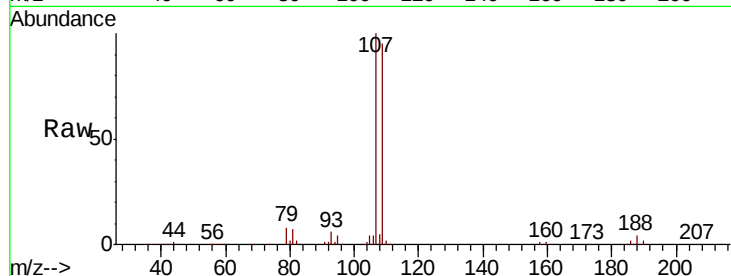




#61
 1,2-Dibromoethane
 Concen: 51.55 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

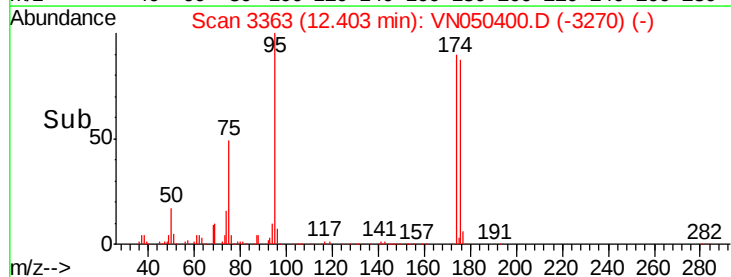
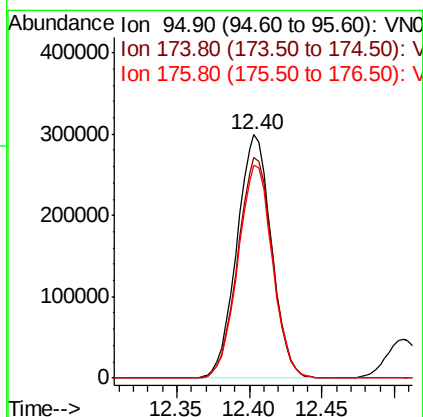
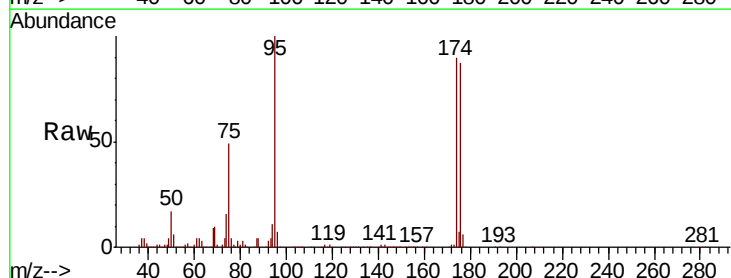
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

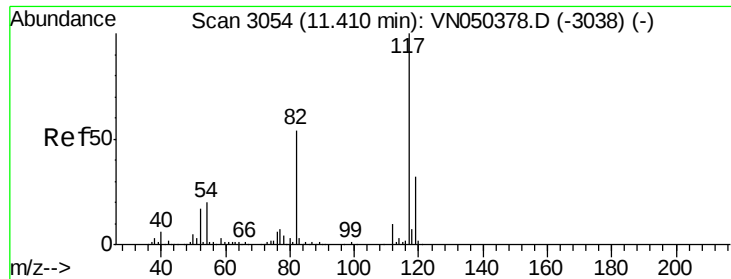
Tot Ion:107 Resp: 387594
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 49.95 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Tgt Ion: 95 Resp: 494540
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 178.2
 176 87.7 0.0 173.4

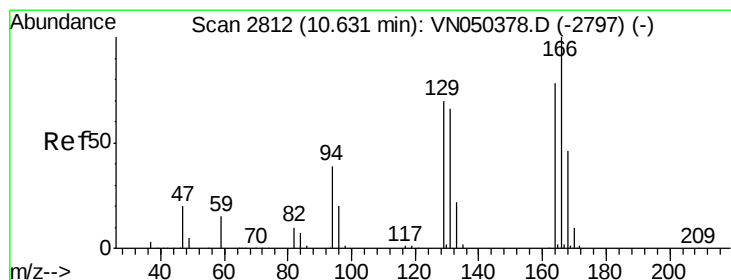
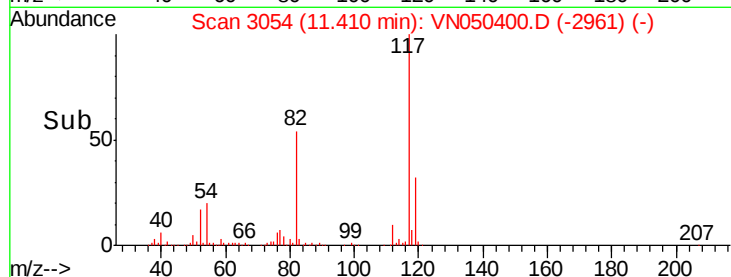
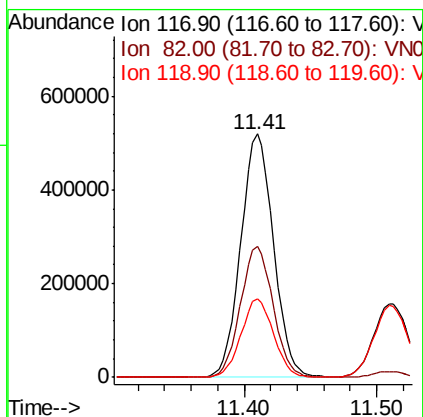
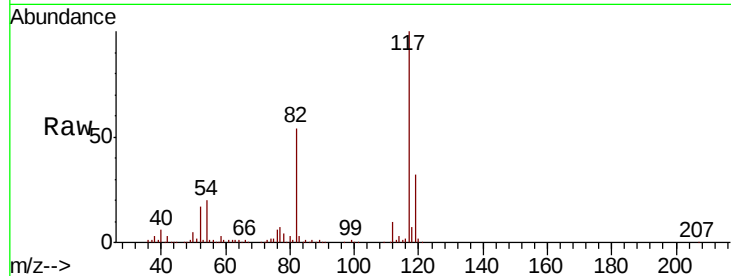




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

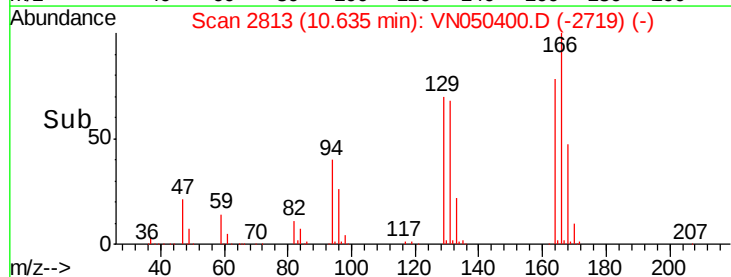
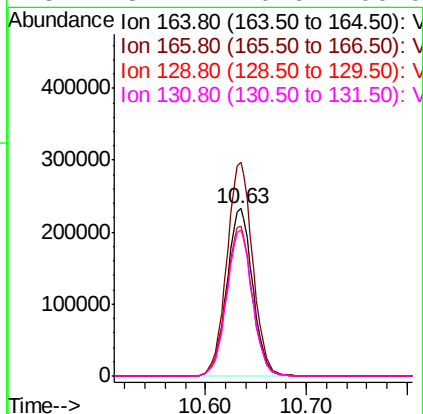
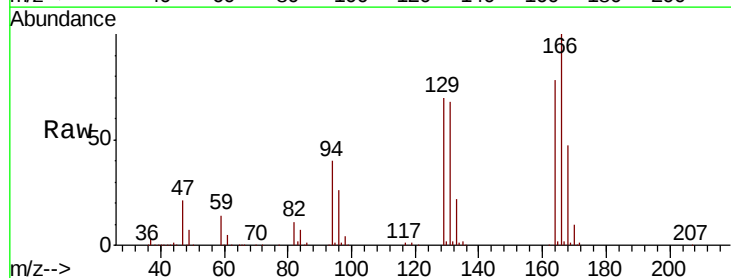
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

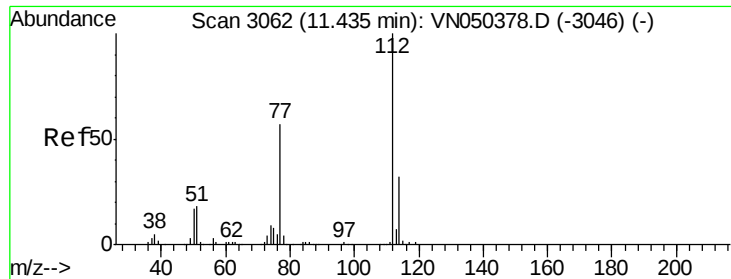
Tot Ion:117 Resp: 892098
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 32.5 26.1 39.1



#64
Tetrachloroethene
Concen: 49.75 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion:164 Resp: 414723
Ion Ratio Lower Upper
164 100
166 127.7 102.1 153.1
129 89.9 73.2 109.8
131 87.4 70.6 106.0

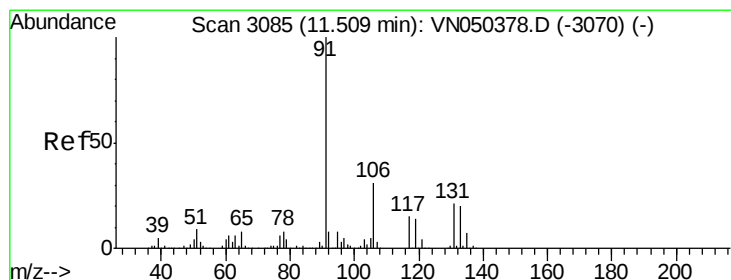
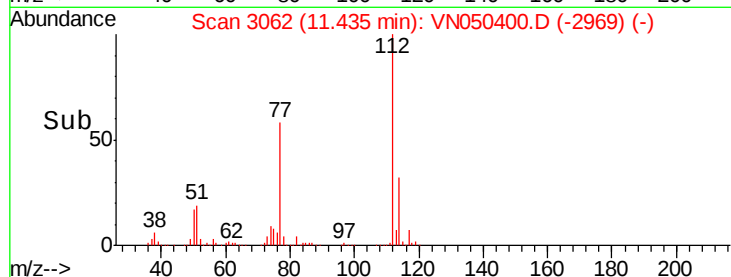
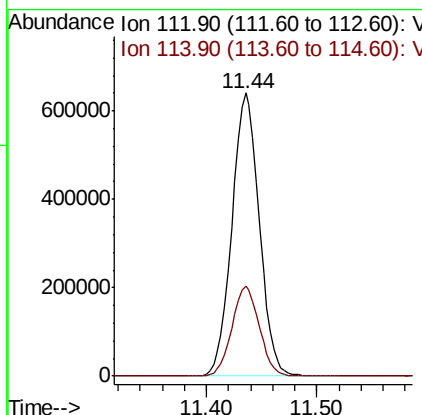
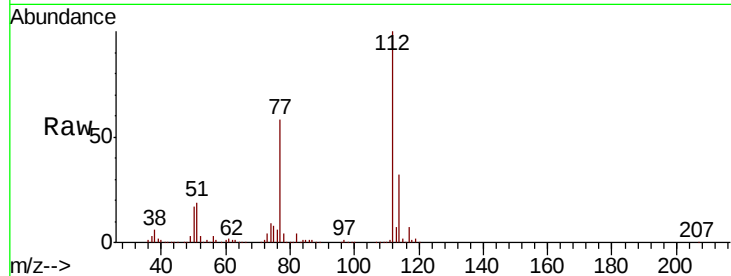




#65
Chlorobenzene
Concen: 49.23 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

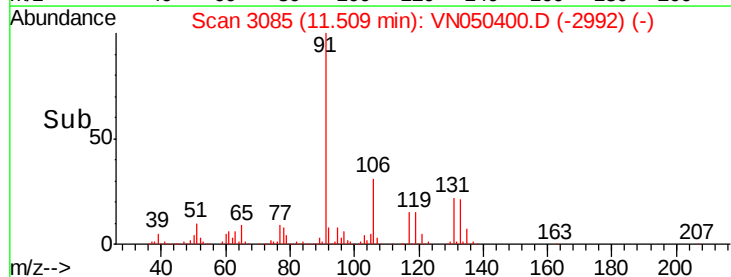
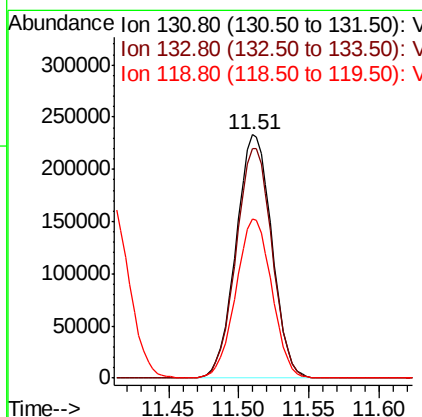
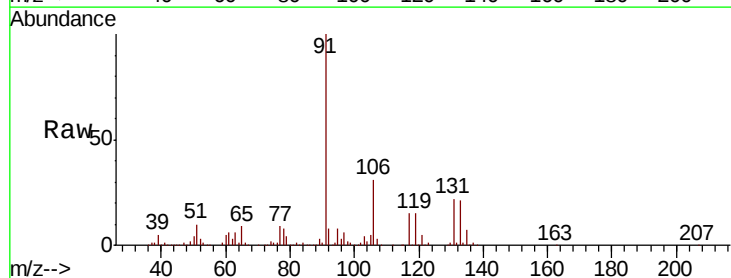
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

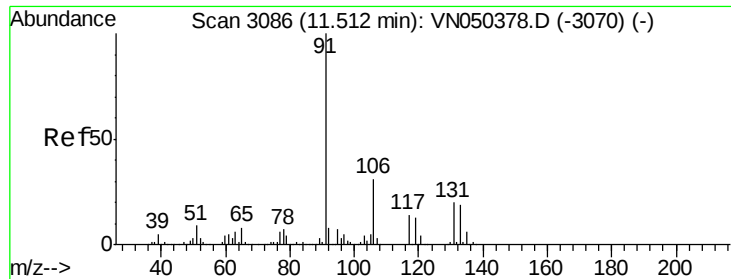
Tot Ion:112 Resp: 1101081
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.10 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion:131 Resp: 415928
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.9
119 65.6 32.9 98.7

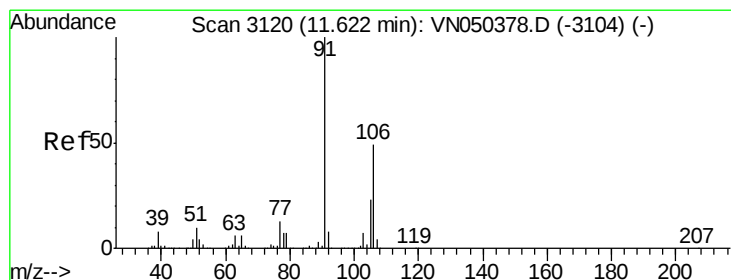
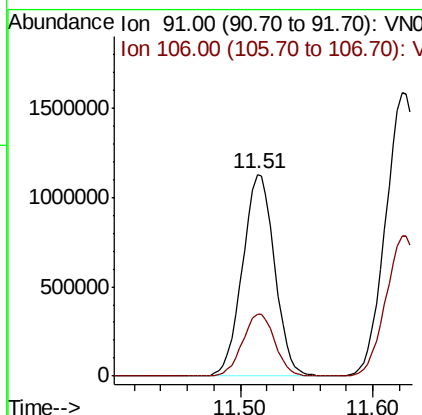
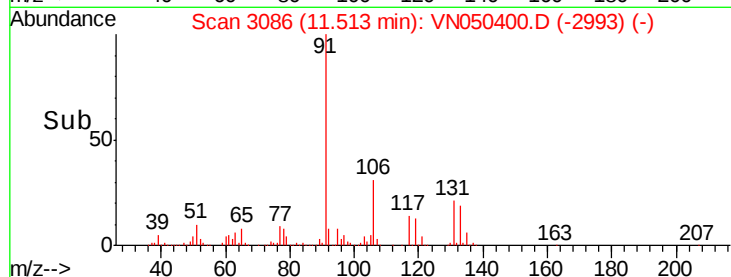
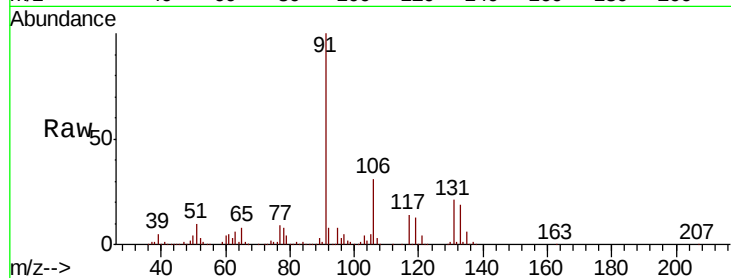




#67
Ethyl Benzene
Concen: 52.48 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

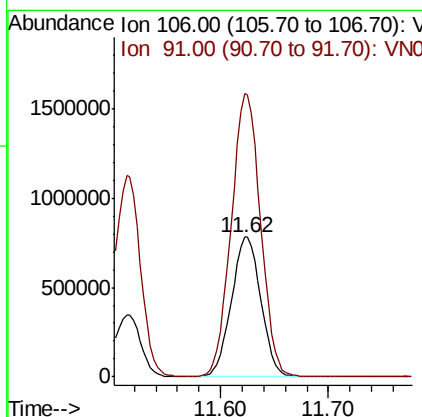
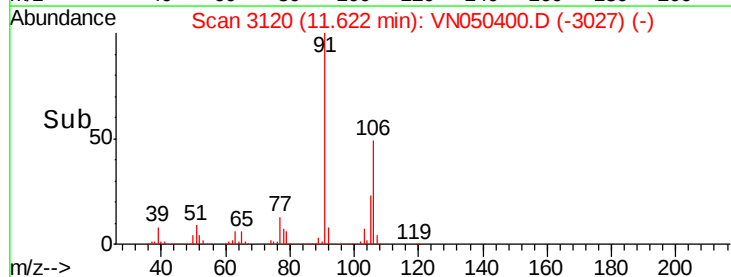
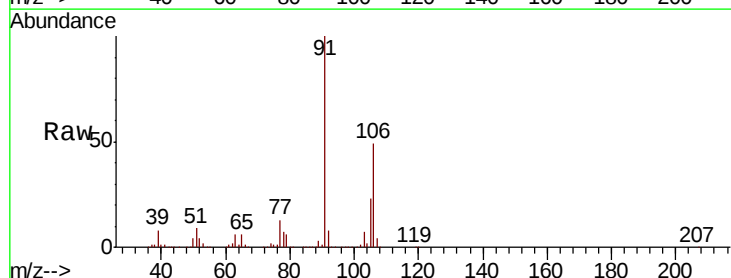
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

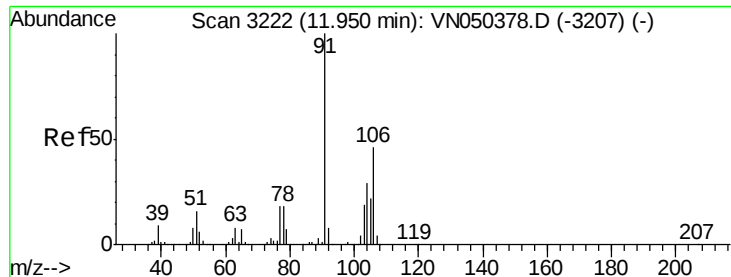
Tot Ion: 91 Resp: 1897138
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.4



#68
m/p-Xylenes
Concen: 107.91 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 106 Resp: 1485207
Ion Ratio Lower Upper
106 100
91 201.8 162.2 243.2

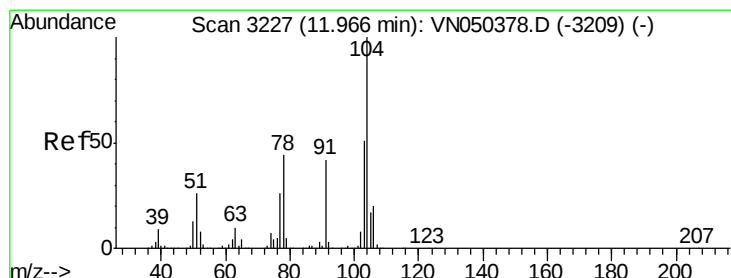
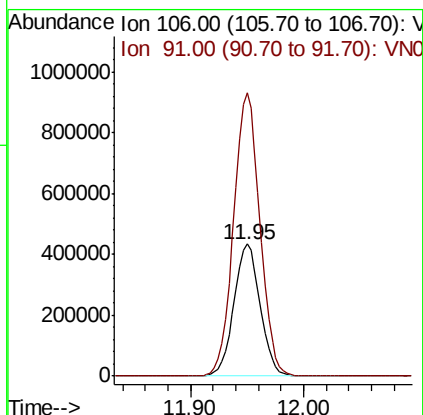
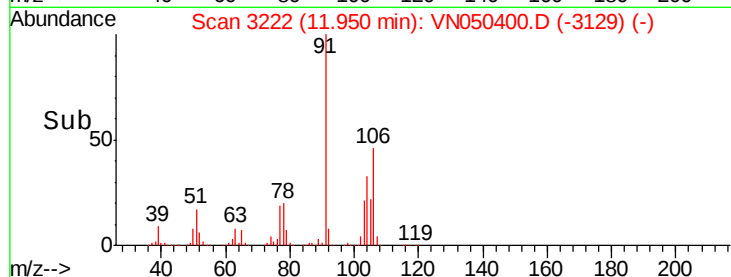
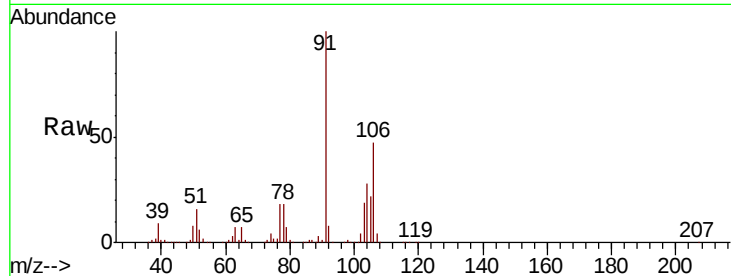




#69
o-Xylene
Concen: 52.77 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

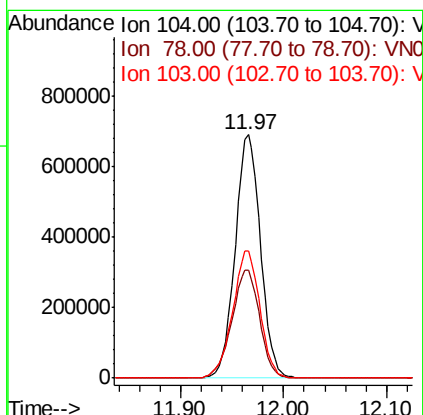
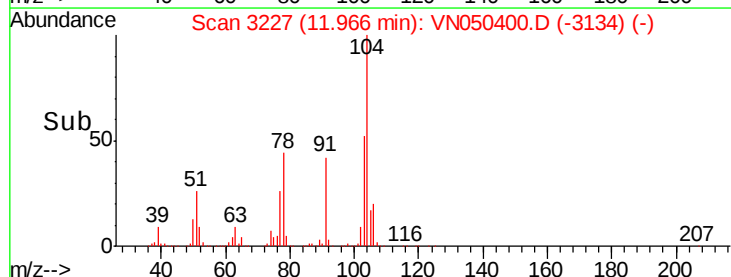
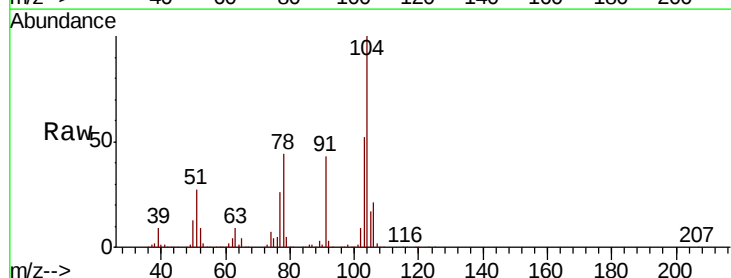
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

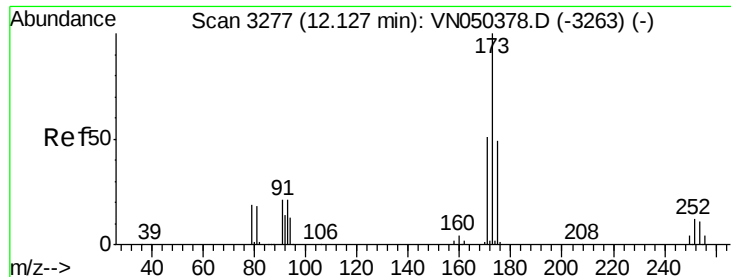
Tot Ion:106 Resp: 699634
Ion Ratio Lower Upper
106 100
91 215.0 107.7 323.1



#70
Styrene
Concen: 54.74 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion:104 Resp: 1180113
Ion Ratio Lower Upper
104 100
78 48.8 39.3 58.9
103 56.1 45.0 67.6





#71

Bromoform

Concen: 53.03 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

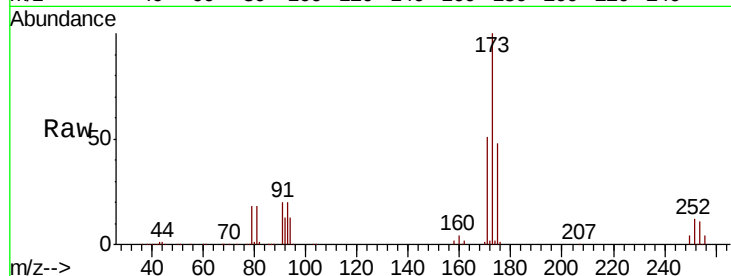
Tot Ion:173 Resp: 315450

Ion Ratio Lower Upper

173 100

175 48.8 24.1 72.2

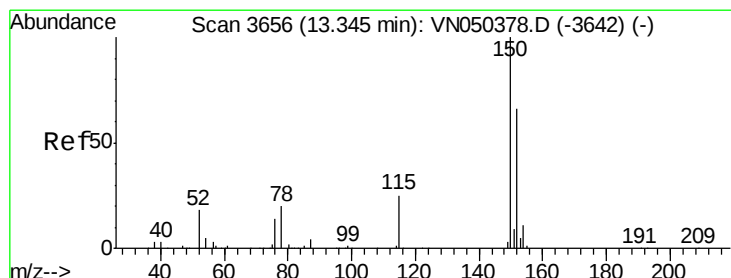
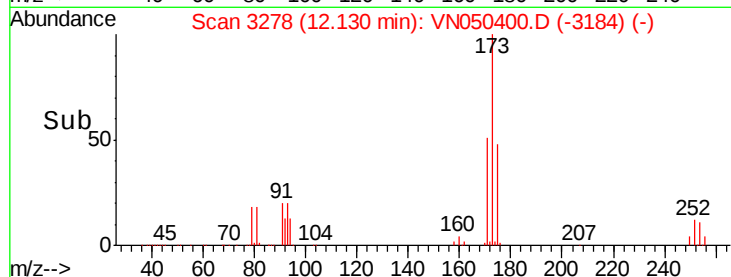
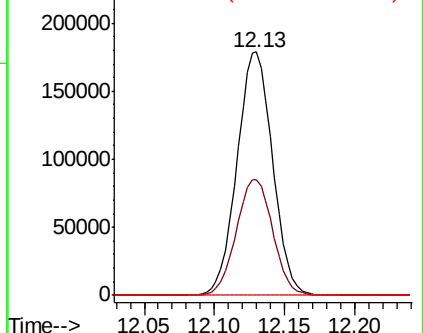
254 0.1 0.2 0.2#



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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

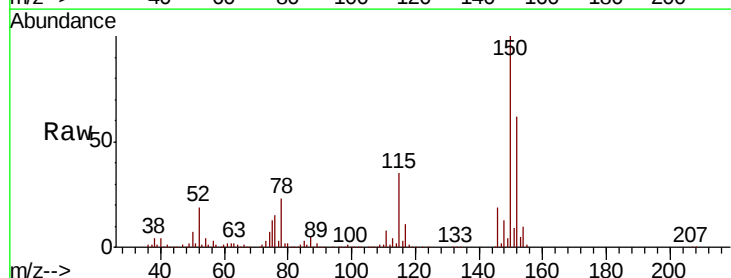
Tgt Ion:152 Resp: 483079

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.3

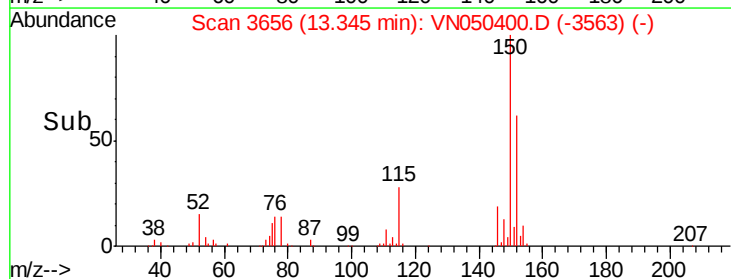
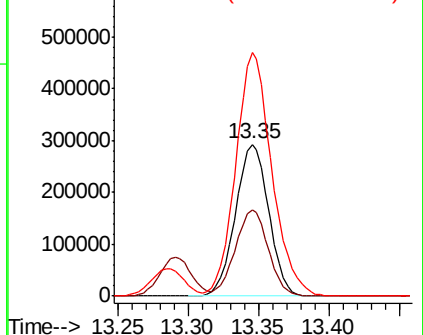
150 173.8 0.0 348.6

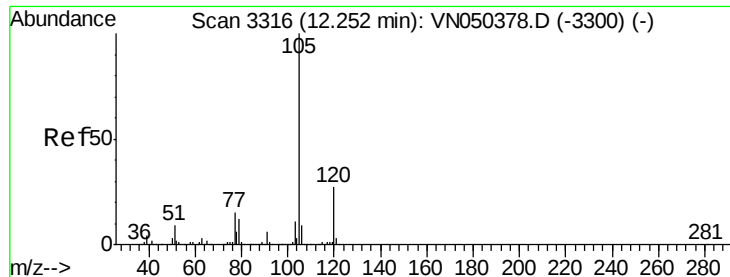


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.16 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

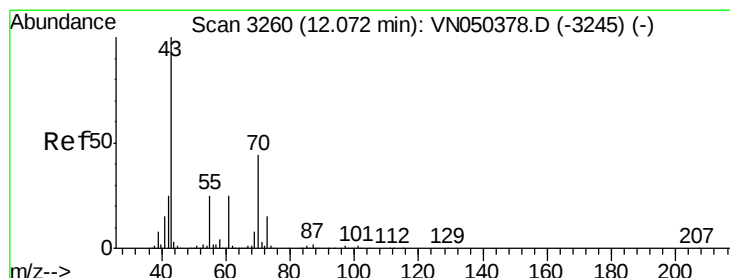
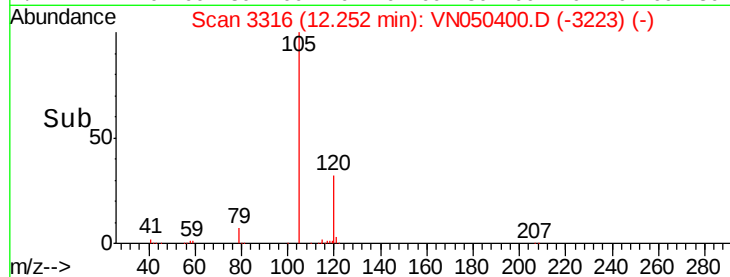
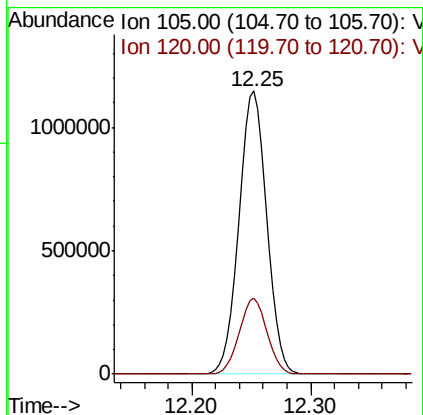
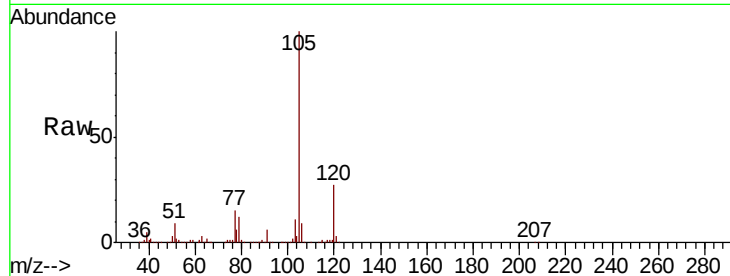
VSTDCCC050

Tot Ion:105 Resp: 1855167

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



#74

N-ethyl acetate

Concen: 52.38 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Tgt Ion: 43 Resp: 615722

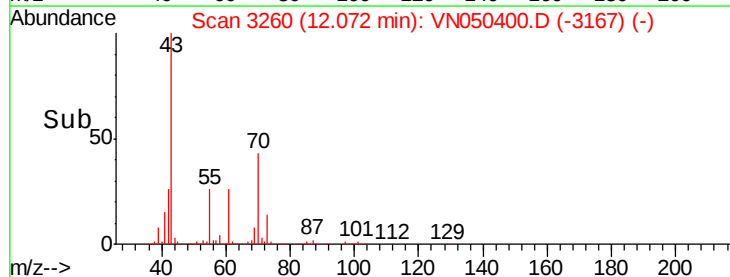
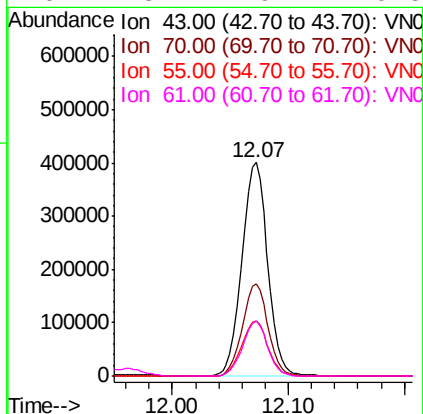
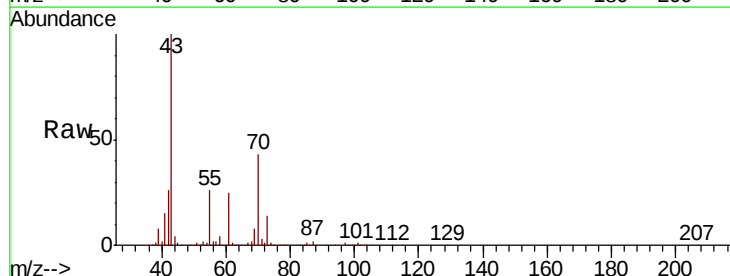
Ion Ratio Lower Upper

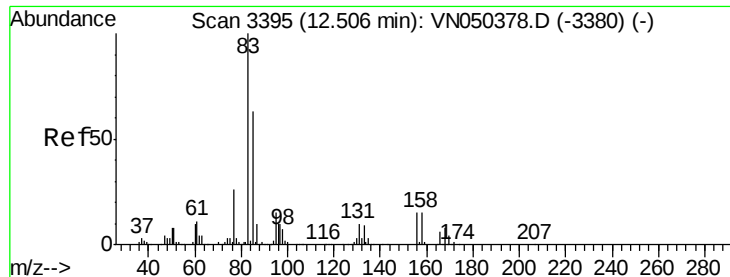
43 100

70 43.0 34.4 51.6

55 26.3 20.8 31.2

61 25.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.84 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

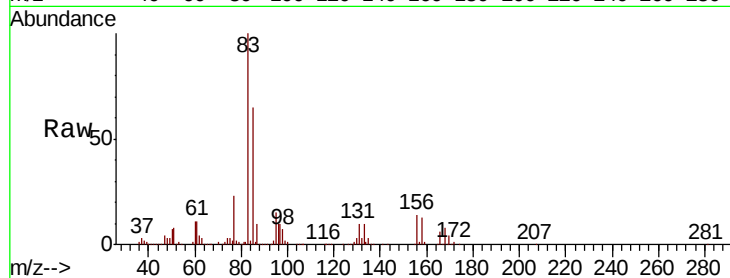
Tot Ion: 83 Resp: 521485

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

85 64.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN050400.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN050400.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN050400.D (-3302) (-)

12.51

300000

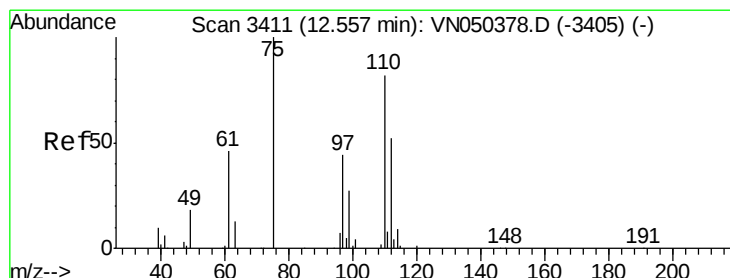
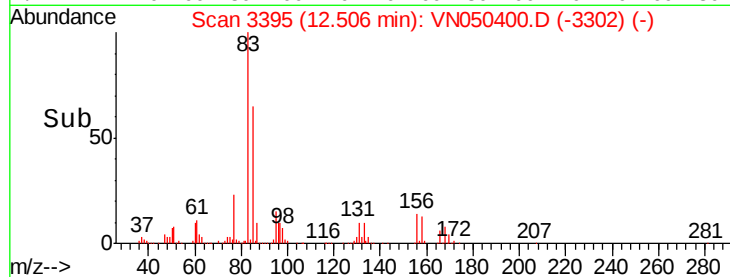
200000

100000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 72.59 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050400.D

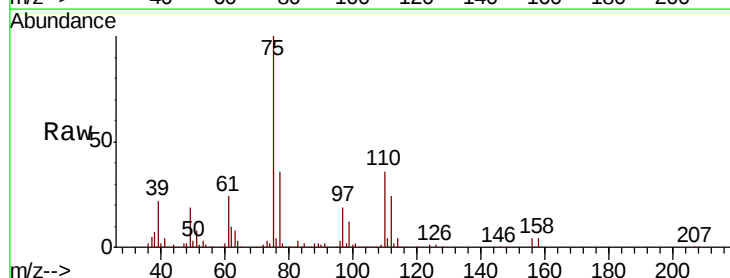
Acq: 6 Aug 2018 22:29

Tgt Ion: 75 Resp: 634706

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050400.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN050400.D (-3318) (-)

500000

400000

300000

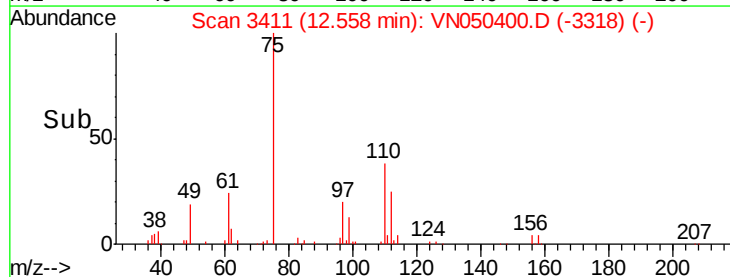
200000

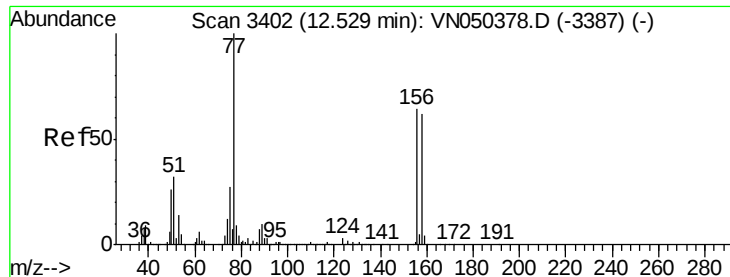
100000

0

12.40 12.50 12.60

Time-->





#77

Bromobenzene

Concen: 50.09 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

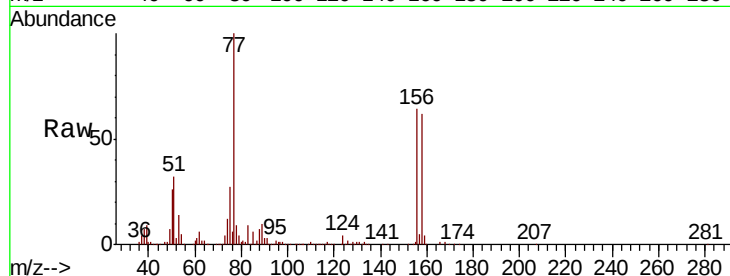
Tot Ion:156 Resp: 486581

Ion Ratio Lower Upper

156 100

77 184.4 91.7 275.1

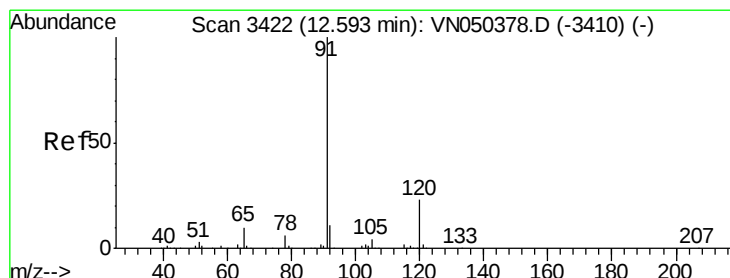
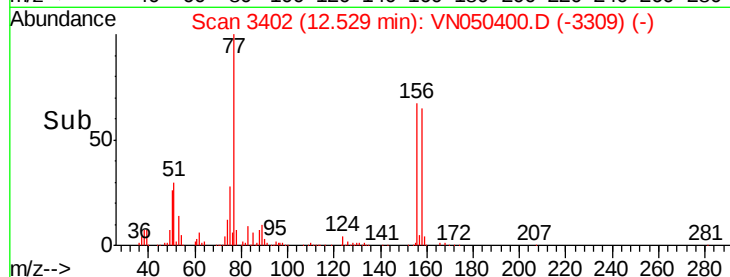
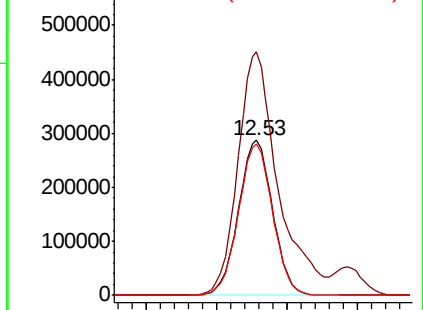
158 97.6 48.9 146.6



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: 52.76 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050400.D

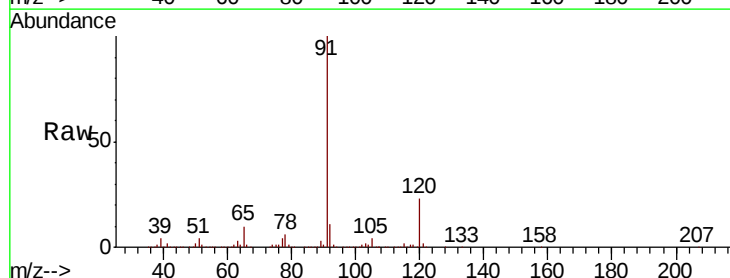
Acq: 6 Aug 2018 22:29

Tgt Ion: 91 Resp: 2165677

Ion Ratio Lower Upper

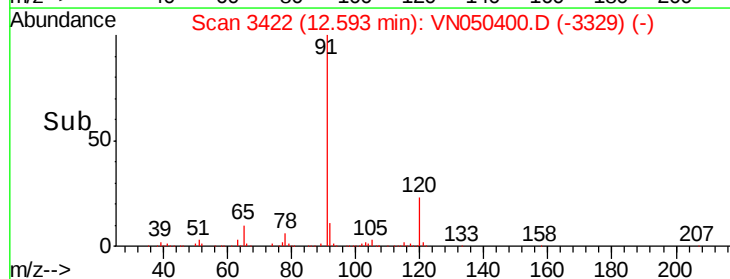
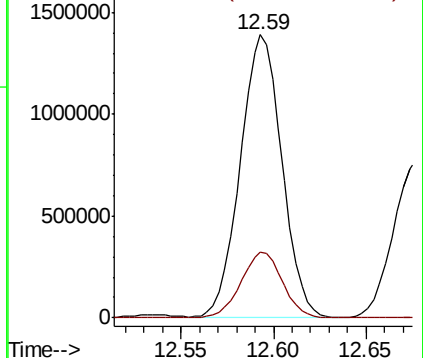
91 100

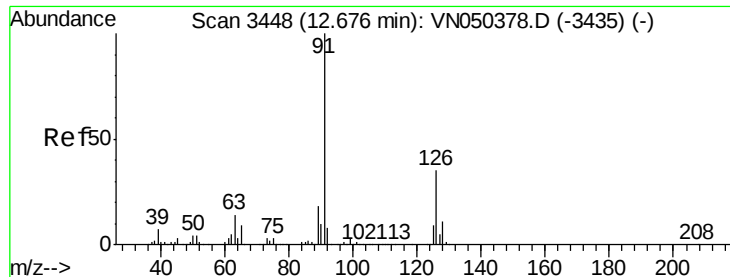
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.51 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

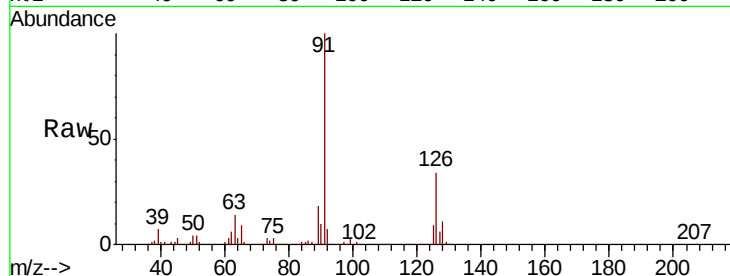
VSTDCCC050

Tot Ion: 91 Resp: 1280388

Ion Ratio Lower Upper

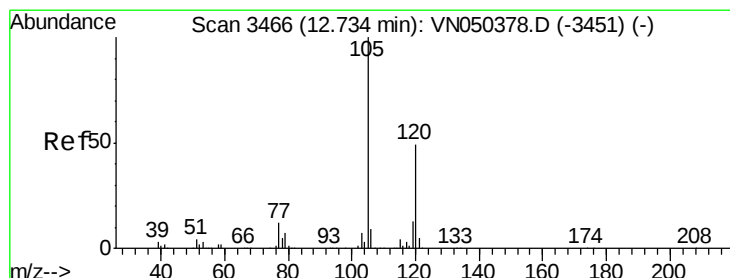
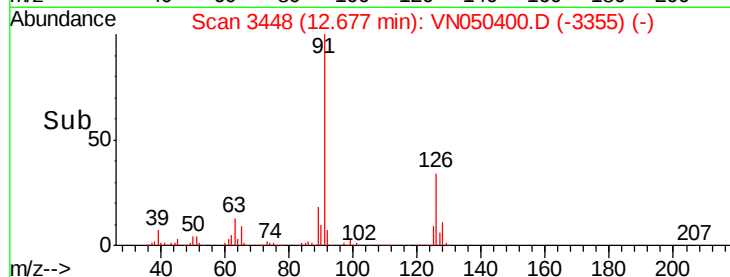
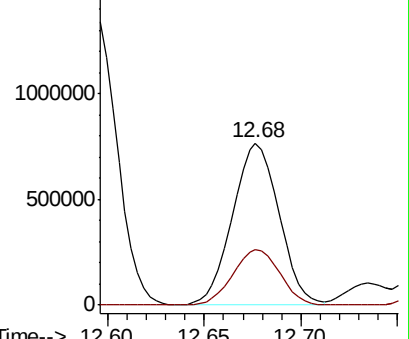
91 100

126 34.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050378.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.91 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050400.D

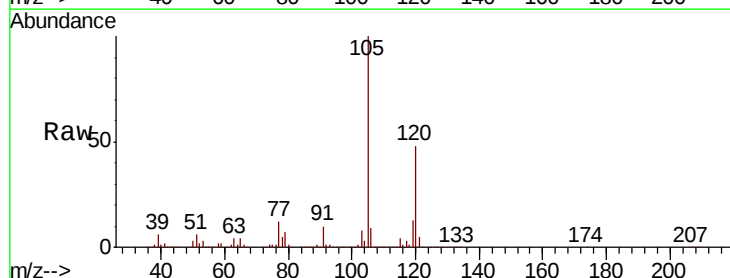
Acq: 6 Aug 2018 22:29

Tgt Ion:105 Resp: 1557587

Ion Ratio Lower Upper

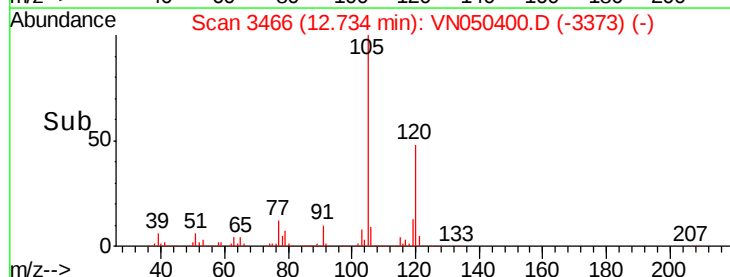
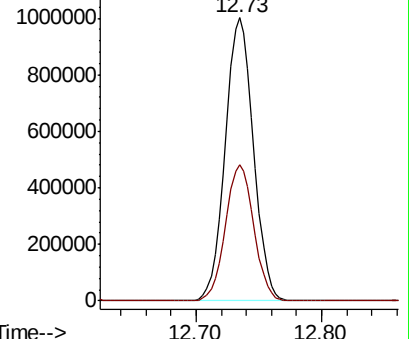
105 100

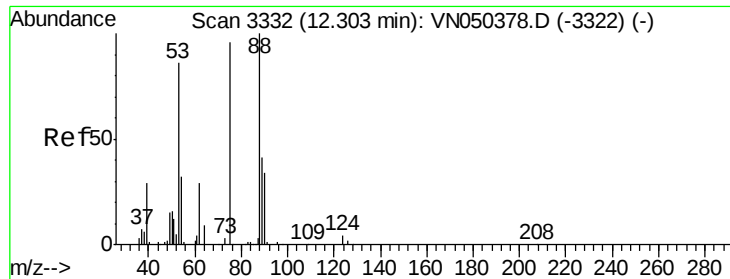
120 48.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050378.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN050378.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 55.43 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

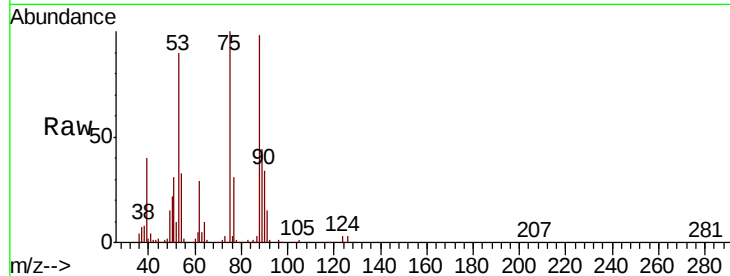
Tot Ion: 75 Resp: 137938

Ion Ratio Lower Upper

75 100

53 91.3 73.5 110.3

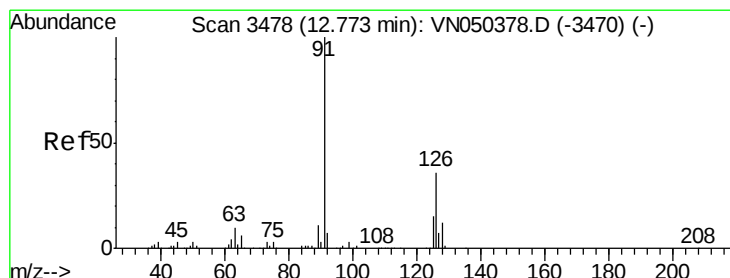
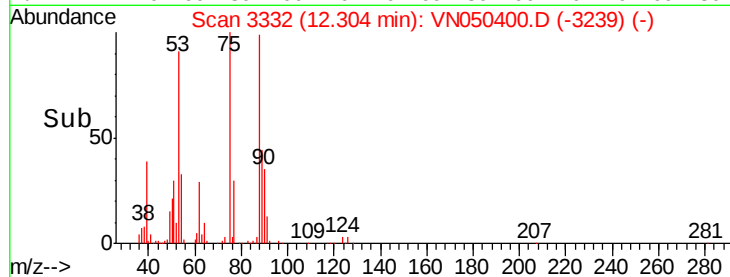
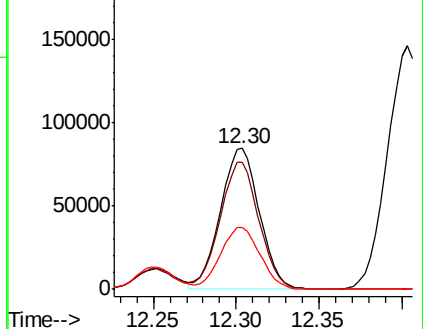
89 45.2 36.0 54.0



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: 51.45 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050400.D

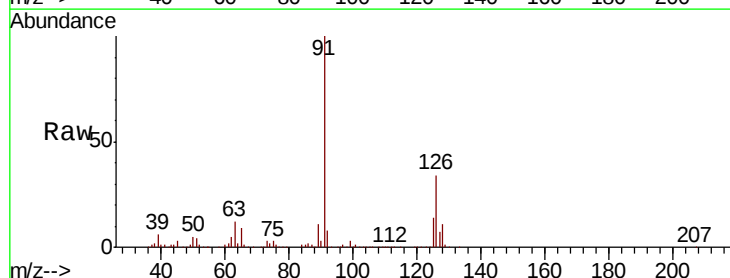
Acq: 6 Aug 2018 22:29

Tgt Ion: 91 Resp: 1300649

Ion Ratio Lower Upper

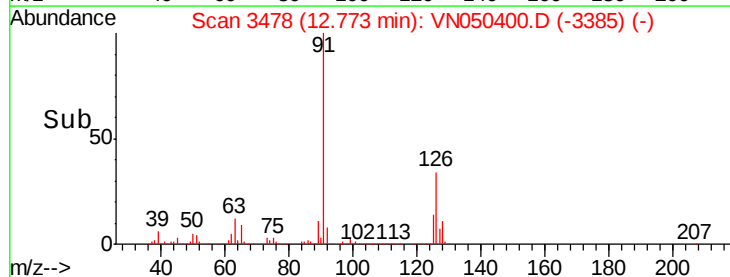
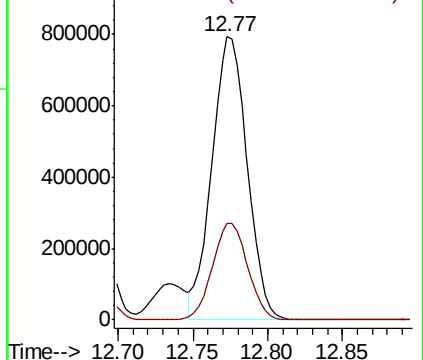
91 100

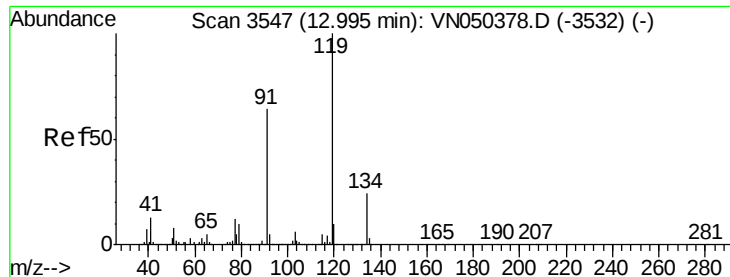
126 34.2 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 51.16 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

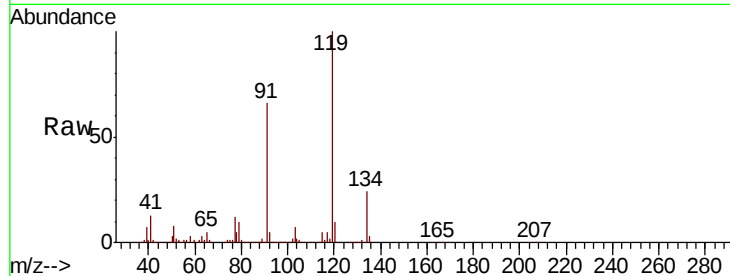
Tot Ion:119 Resp: 1313793

Ion Ratio Lower Upper

119 100

91 64.4 32.1 96.3

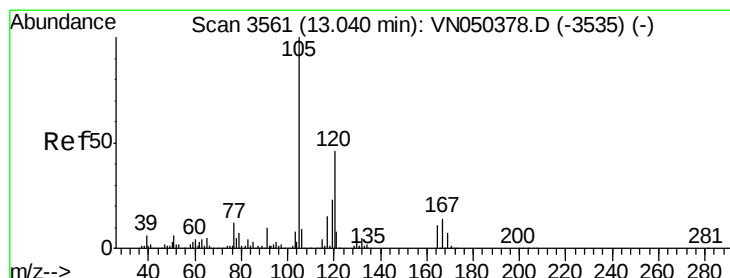
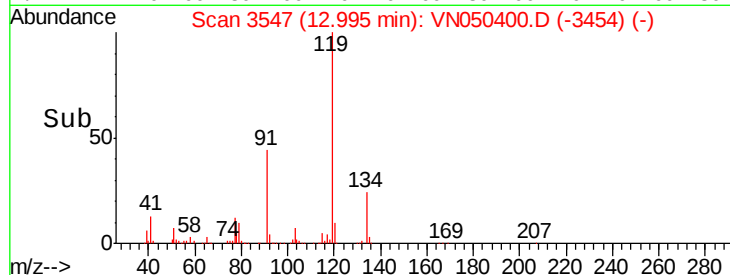
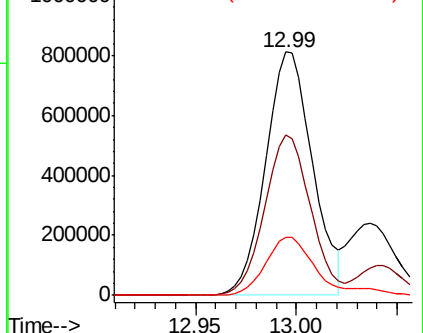
134 26.1 13.2 39.5



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: 53.70 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050400.D

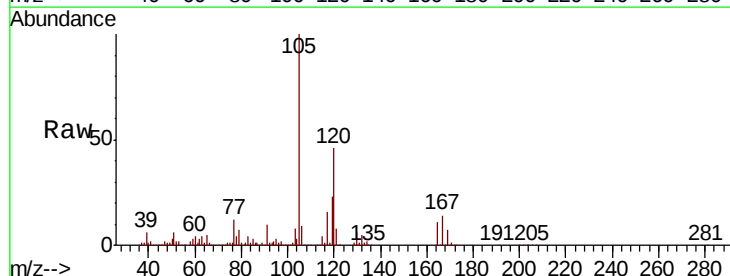
Acq: 6 Aug 2018 22:29

Tgt Ion:105 Resp: 1601197

Ion Ratio Lower Upper

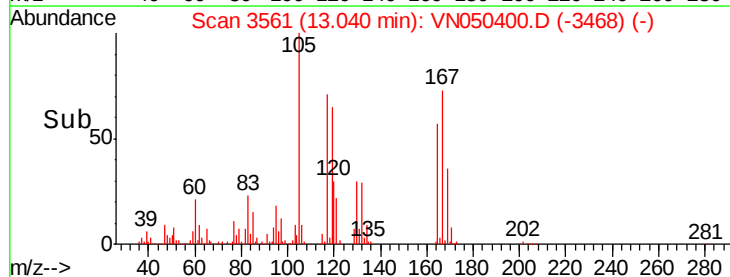
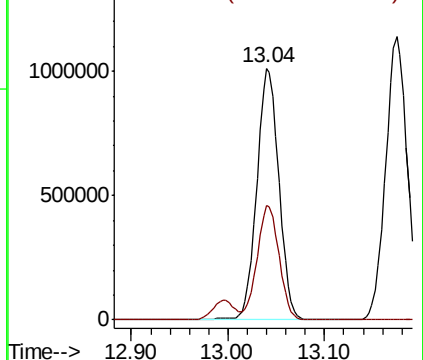
105 100

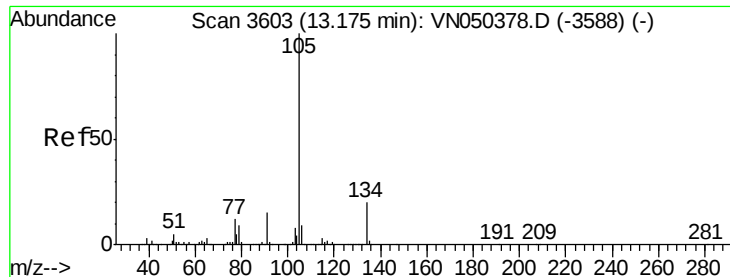
120 45.2 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.43 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

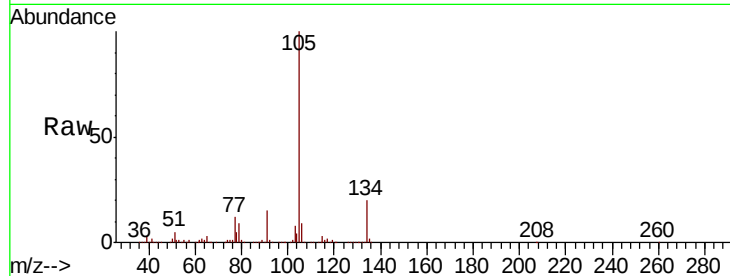
VSTDCCC050

Tot Ion:105 Resp: 1760434

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

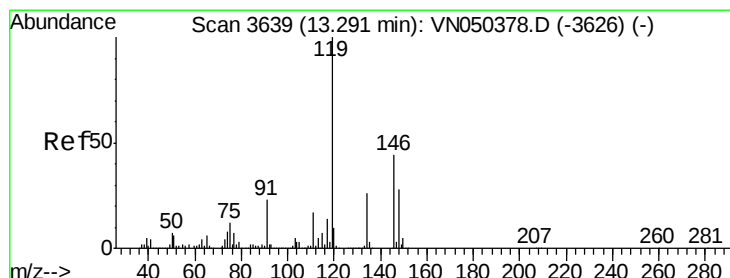
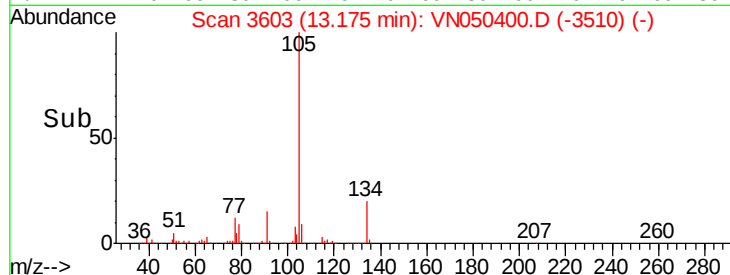
13.17

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.66 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

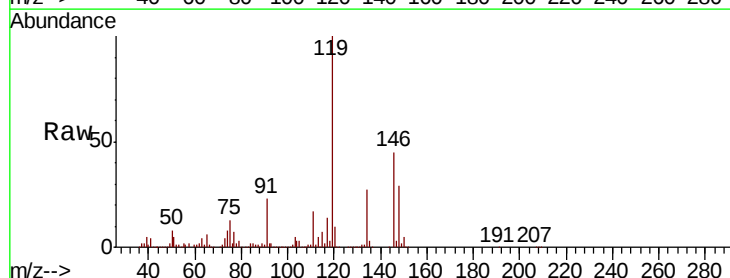
Tgt Ion:119 Resp: 1544737

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 22.7 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

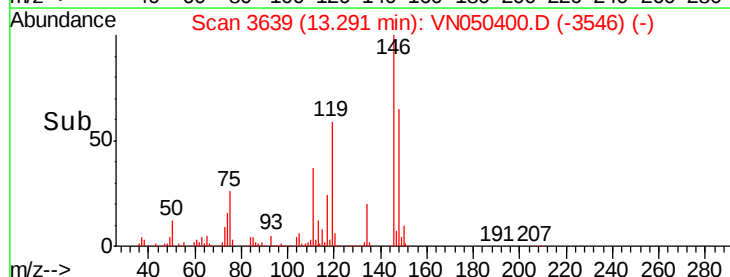
13.29

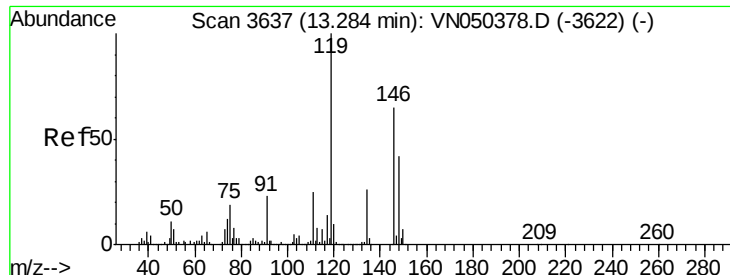
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.58 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

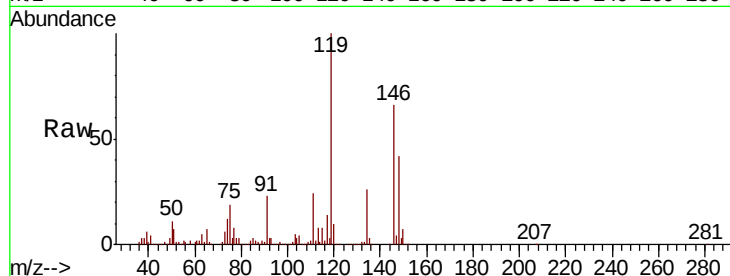
Tot Ion:146 Resp: 857845

Ion Ratio Lower Upper

146 100

111 37.6 18.8 56.4

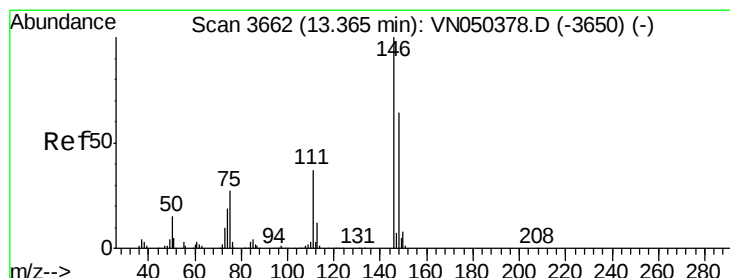
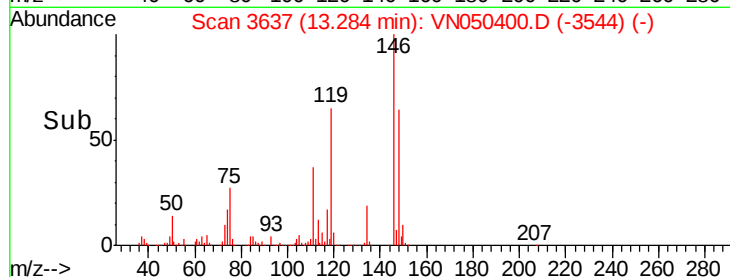
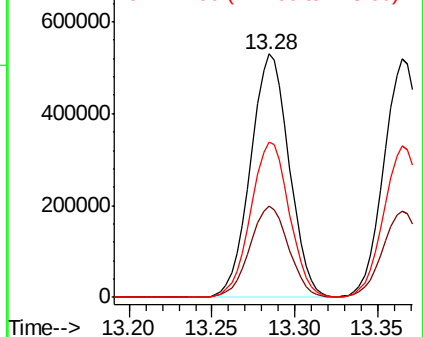
148 64.0 31.9 95.9



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: 48.70 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

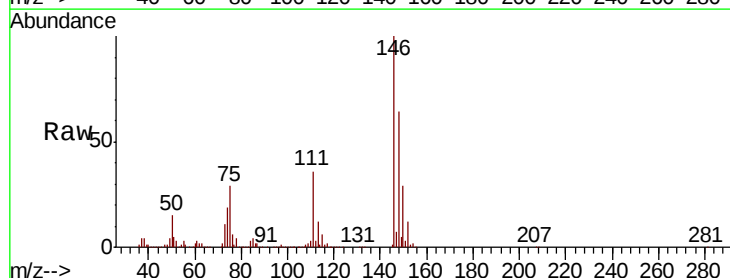
Tgt Ion:146 Resp: 841563

Ion Ratio Lower Upper

146 100

111 36.5 18.3 54.9

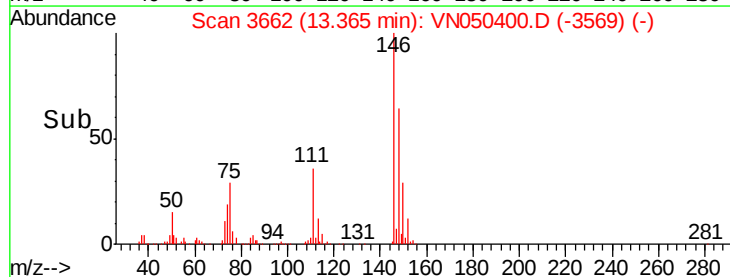
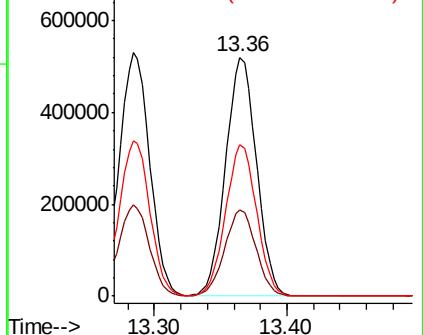
148 63.7 31.9 95.9

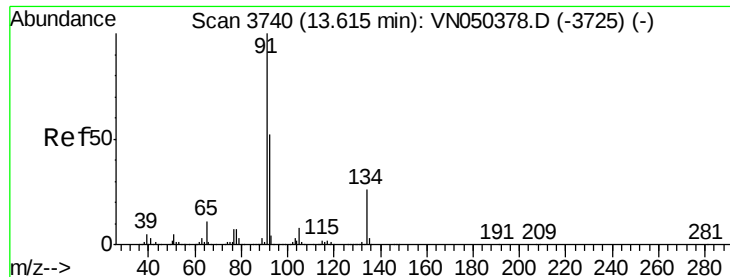


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

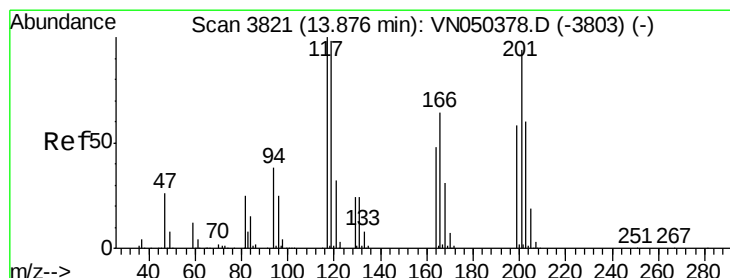
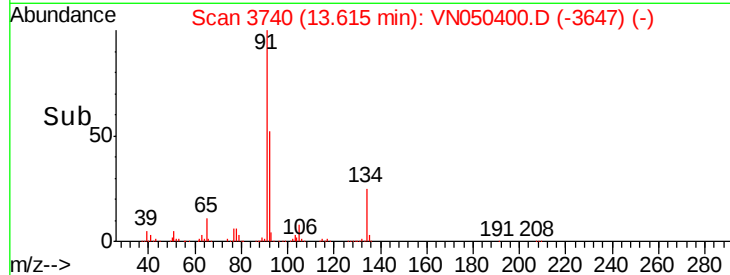
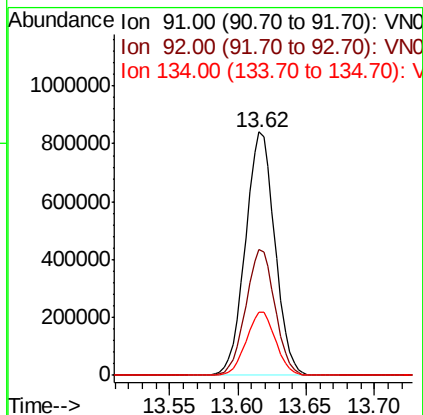
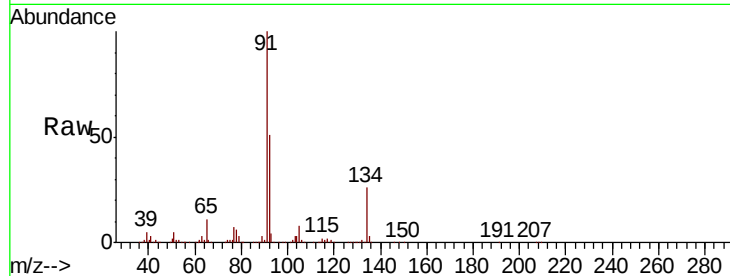




#89
n-Butylbenzene
Concen: 50.37 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

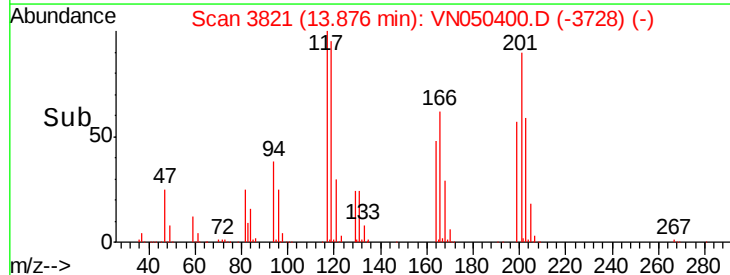
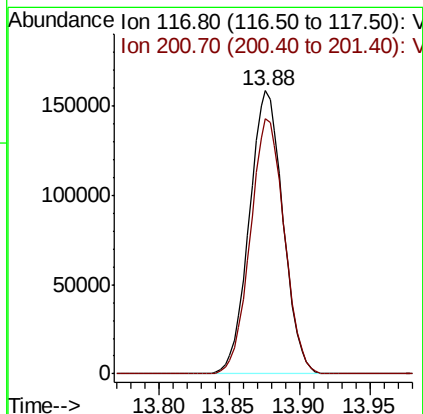
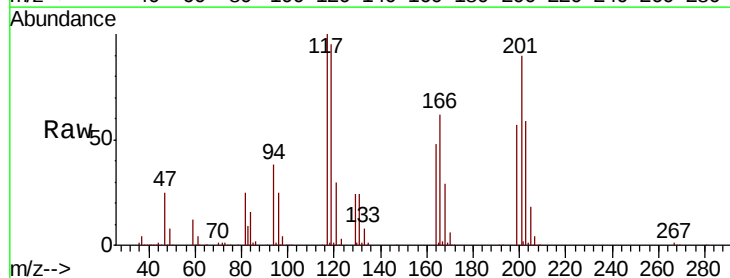
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

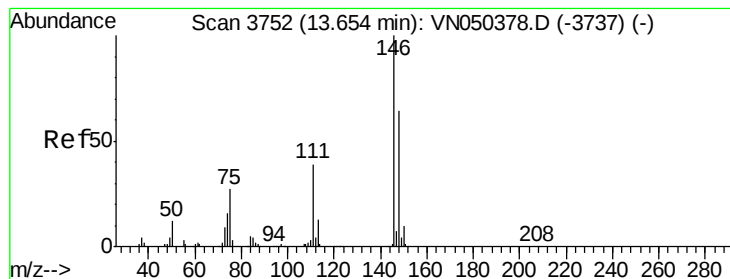
Tot Ion: 91 Resp: 1257811
Ion Ratio Lower Upper
91 100
92 51.2 25.8 77.4
134 25.9 12.8 38.4



#90
Hexachloroethane
Concen: 51.01 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050400.D
Acq: 6 Aug 2018 22:29

Tgt Ion: 117 Resp: 266057
Ion Ratio Lower Upper
117 100
201 90.5 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 48.33 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

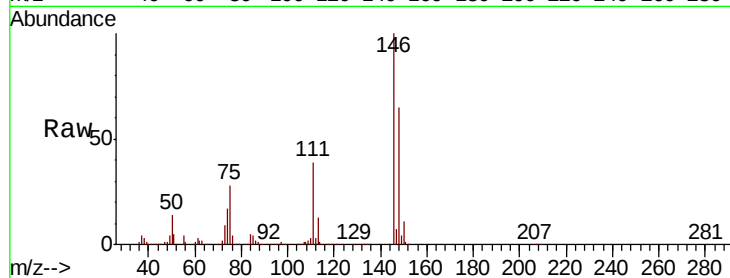
Tot Ion:146 Resp: 838291

Ion Ratio Lower Upper

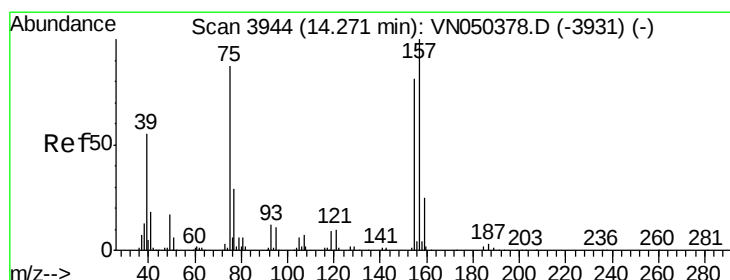
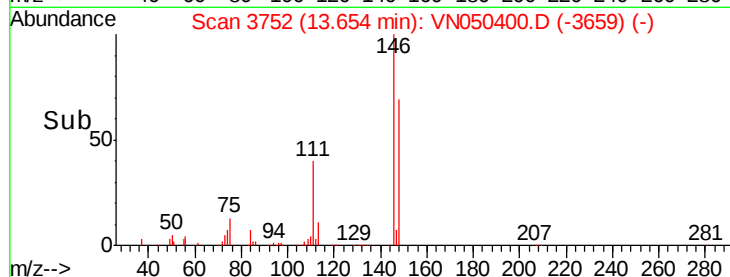
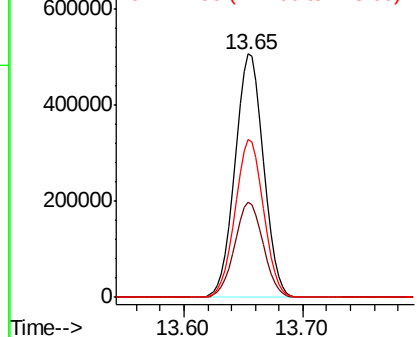
146 100

111 39.2 19.6 58.7

148 64.8 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: 47.13 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

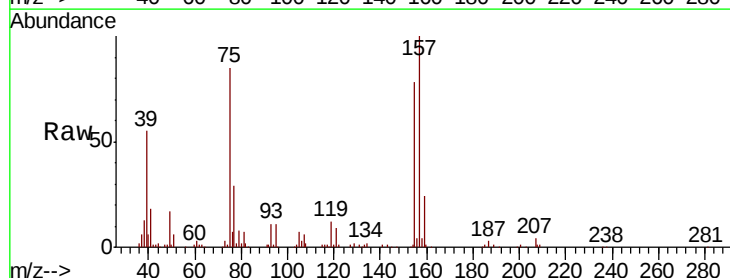
Tgt Ion: 75 Resp: 83715

Ion Ratio Lower Upper

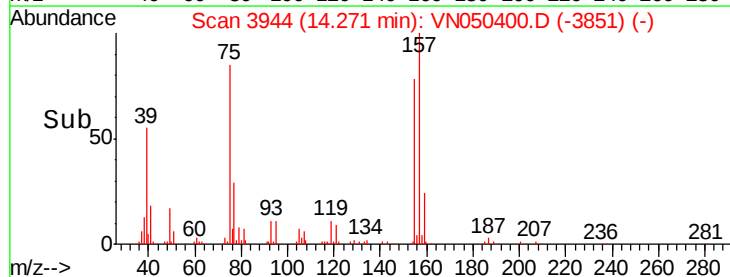
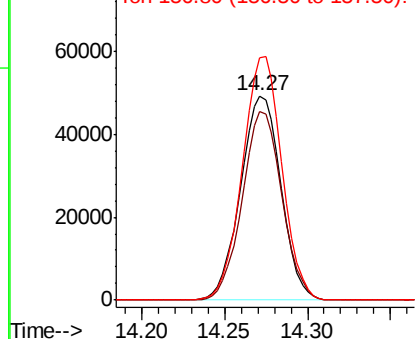
75 100

155 90.4 44.8 134.4

157 116.1 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

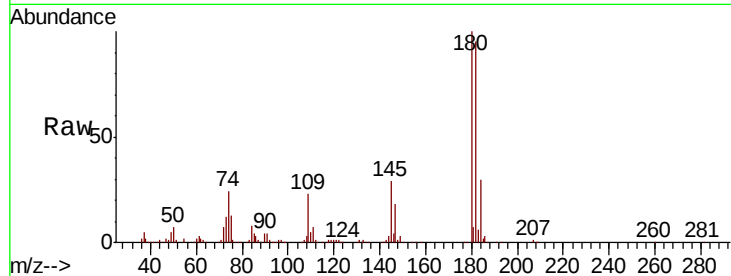




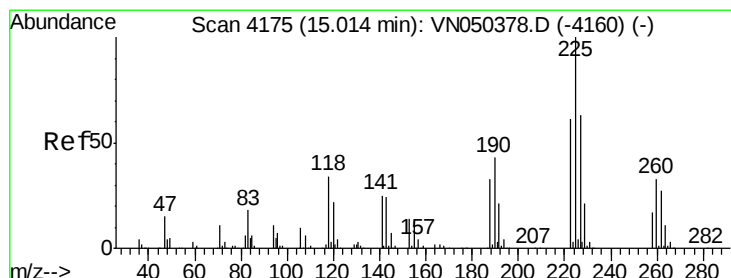
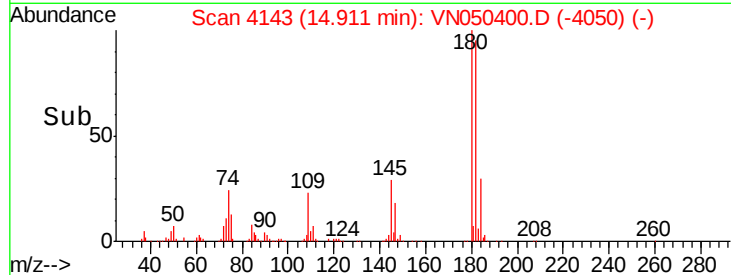
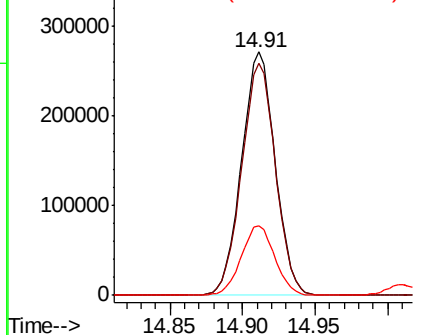
#93
 1,2,4-Trichlorobenzene
 Concen: 49.47 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 437048
 Ion Ratio Lower Upper
 180 100
 182 96.1 46.7 140.1
 145 28.7 13.8 41.4

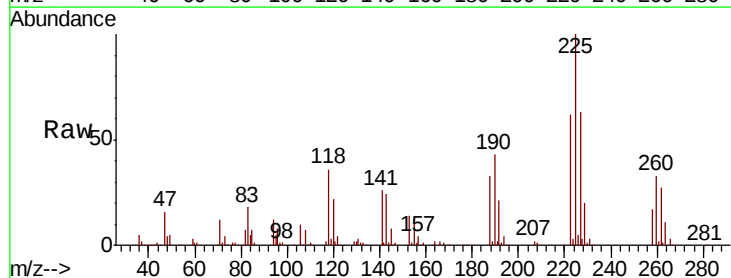


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

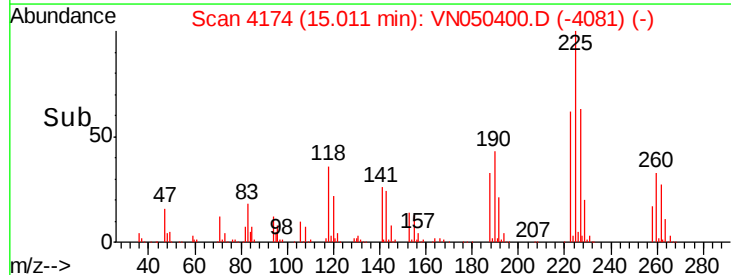
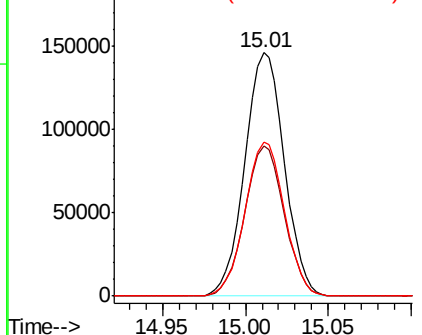


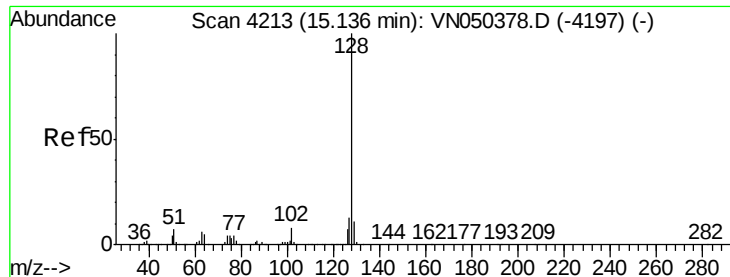
#94
 Hexachlorobutadiene
 Concen: 50.20 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050400.D
 Acq: 6 Aug 2018 22:29

Tgt Ion:225 Resp: 242211
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.4 94.2
 227 63.0 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 46.06 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

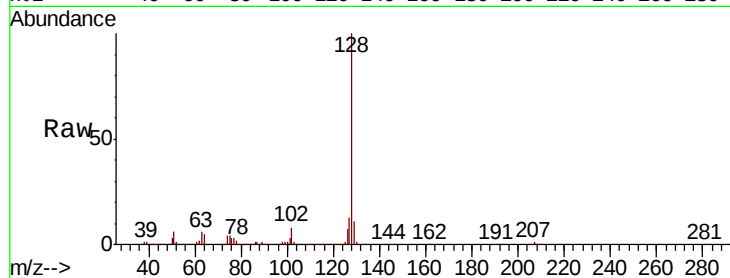
Tot Ion:128 Resp: 1070139

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.0 8.8 13.2

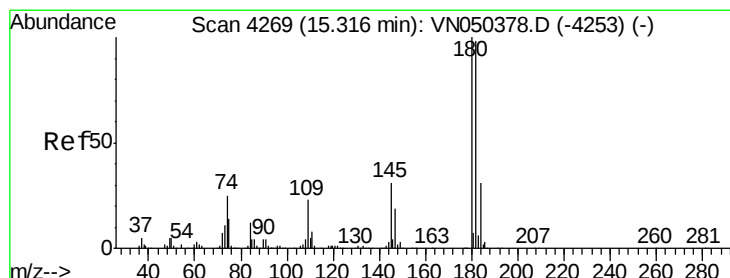
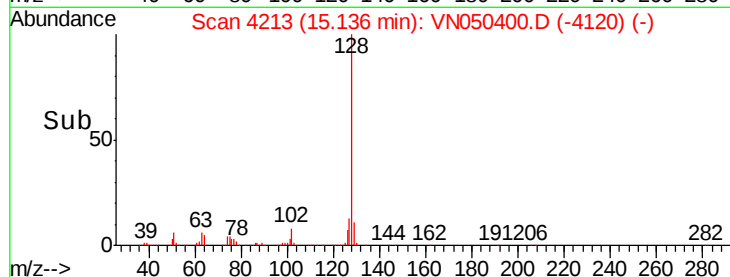
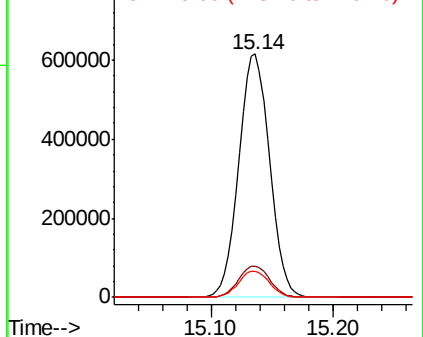


Abundance

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: 49.16 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050400.D

Acq: 6 Aug 2018 22:29

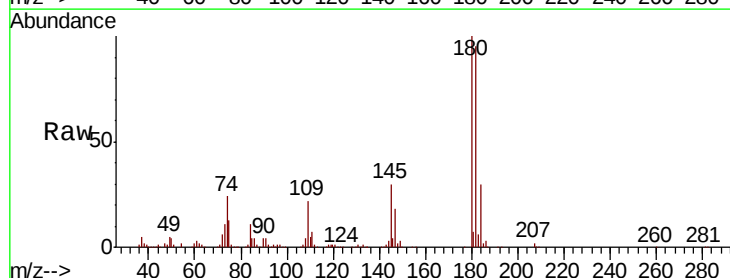
Tgt Ion:180 Resp: 439092

Ion Ratio Lower Upper

180 100

182 94.8 48.1 144.4

145 30.2 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

