

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

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 9:58:10 AM

Quant Time: Aug 06 13:26:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 06 12:50:03 2018
 Response via : Initial Calibration

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

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	898176	92.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.20%	
35) Dibromofluoromethane	7.59	113	796929	96.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.20%	
50) Toluene-d8	10.09	98	3097657	102.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.26%	
62) 4-Bromofluorobenzene	12.40	95	1105061	110.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	221.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	749204	74.60	ug/l	99
3) Chloromethane	2.06	50	915935	83.90	ug/l	99
4) Vinyl Chloride	2.18	62	975257	84.83	ug/l	99
5) Bromomethane	2.54	94	483714	68.40	ug/l	100
6) Chloroethane	2.69	64	590221	85.49	ug/l	99
7) Trichlorofluoromethane	3.00	101	1235807	82.98	ug/l	99
8) Diethyl Ether	3.41	74	474518	95.58	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	760754	84.95	ug/l	100
10) Methyl Iodide	3.95	142	414493	36.06	ug/l	98
11) Tert butyl alcohol	4.80	59	385831	537.72	ug/l	99
12) 1,1-Dichloroethene	3.73	96	724731	89.96	ug/l	98
13) Acrolein	3.61	56	512193	888.45	ug/l	98
14) Allyl chloride	4.32	41	1214017	97.19	ug/l	97
15) Acrylonitrile	4.99	53	1614899	515.86	ug/l	100
16) Acetone	3.82	43	1413597	555.84	ug/l	100
17) Carbon Disulfide	4.05	76	2246834	91.04	ug/l	100
18) Methyl Acetate	4.33	43	715909	61.50	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2198815	102.42	ug/l	100
20) Methylene Chloride	4.55	84	834710	85.27	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	786055	92.09	ug/l	99
22) Diisopropyl ether	5.96	45	2536837	102.42	ug/l	98
23) Vinyl Acetate	5.90	43	9265643	529.36	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1457230	89.97	ug/l	100
25) 2-Butanone	6.84	43	2380585	640.00	ug/l	99
26) 2,2-Dichloropropane	6.82	77	1173222	95.22	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	895878	97.49	ug/l	100
28) Bromochloromethane	7.20	49	662464	89.68	ug/l	99
29) Tetrahydrofuran	7.22	42	1265785	526.61	ug/l	100
30) Chloroform	7.37	83	1461770	88.44	ug/l	100
31) Cyclohexane	7.65	56	1343167	86.39	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1266922	89.61	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1147377	100.79	ug/l	100
37) Ethyl Acetate	6.93	43	843455	106.27	ug/l	99
38) Carbon Tetrachloride	7.77	117	1128342	93.41	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1307883	111.68	ug/l	98
40) Benzene	8.04	78	3431457	99.06	ug/l	99
41) Methacrylonitrile	7.18	41	458340	123.10	ug/l #	80
42) 1,2-Dichloroethane	8.13	62	1075101	93.03	ug/l	100
43) Isopropyl Acetate	8.17	43	1460635	76.03	ug/l #	87
44) Trichloroethene	8.84	130	904679	97.19	ug/l	99
45) 1,2-Dichloropropane	9.12	63	895078	97.56	ug/l	98
46) Dibromomethane	9.21	93	554548	97.34	ug/l	99
47) Bromodichloromethane	9.40	83	1147674	95.45	ug/l	99
48) Methyl methacrylate	9.20	41	732254	107.13	ug/l	98
49) 1,4-Dioxane	9.20	88	225665	2425.95	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	5342365	684.73	ug/l	99
52) Toluene	10.16	92	2155782	105.43	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1250617	110.22	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1375107	106.05	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	800457	98.69	ug/l	99
56) Ethyl methacrylate	10.43	69	1158078	120.85	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1357065	102.75	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2682717	601.54	ug/l	100
59) 2-Hexanone	10.75	43	3797941	737.68	ug/l	98
60) Dibromochloromethane	10.90	129	917285	102.15	ug/l	98
61) 1,2-Dibromoethane	11.01	107	830637	103.22	ug/l	98
64) Tetrachloroethene	10.63	164	887347	94.97	ug/l	99
65) Chlorobenzene	11.44	112	2373614	96.69	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	871951	92.44	ug/l	99
67) Ethyl Benzene	11.51	91	4174171	105.85	ug/l	100
68) m/p-Xylenes	11.62	106	3216866	215.66	ug/l	100
69) o-Xylene	11.95	106	1543622	108.56	ug/l	100
70) Styrene	11.97	104	2603012	115.75	ug/l	99
71) Bromoform	12.13	173	682489	99.47	ug/l #	99
73) Isopropylbenzene	12.25	105	4118549	97.37	ug/l	100
74) N-amyl acetate	12.07	43	1367927	105.81	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1100747	85.09	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	885051m	87.32	ug/l	
77) Bromobenzene	12.53	156	1071397	91.39	ug/l	99
78) n-propylbenzene	12.59	91	4786661	101.24	ug/l	100
79) 2-Chlorotoluene	12.68	91	2820420	96.24	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3436137	103.27	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	312312	97.73	ug/l	97
82) 4-Chlorotoluene	12.77	91	2882714	99.33	ug/l	99
83) tert-Butylbenzene	12.99	119	2945934	101.46	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3532002	105.32	ug/l	99
85) sec-Butylbenzene	13.17	105	3954965	101.94	ug/l	100
86) p-Isopropyltoluene	13.29	119	3509615	107.35	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1924799	96.85	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1897104	97.93	ug/l	99
89) n-Butylbenzene	13.62	91	2985773	111.07	ug/l	99
90) Hexachloroethane	13.88	117	558108	76.88	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1868152	94.03	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	189023	90.90	ug/l	96

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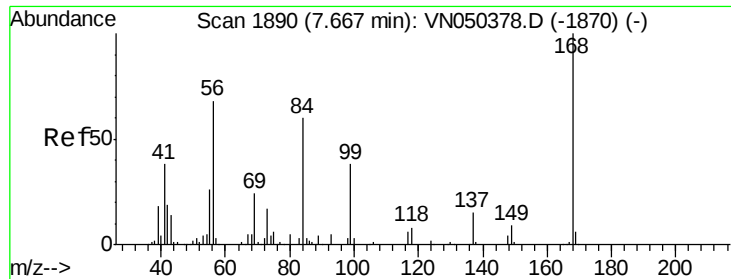
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1073824	122.46	ug/l	98
94) Hexachlorobutadiene	15.01	225	545949	89.76	ug/l	99
95) Naphthalene	15.14	128	2637341	133.12	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1010545	113.86	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 698954

Ion Ratio Lower Upper

168 100

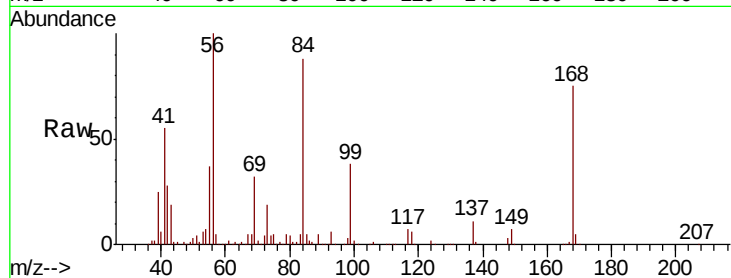
99 50.0 40.0 60.0

Manual Integrations

APPROVED

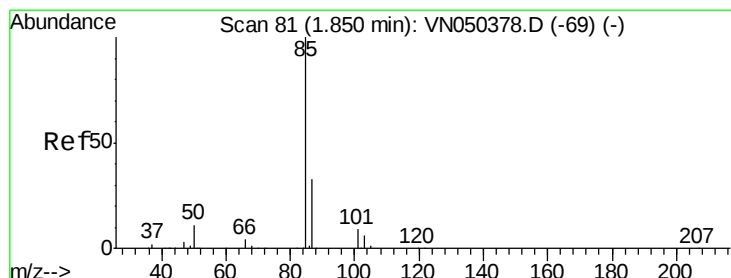
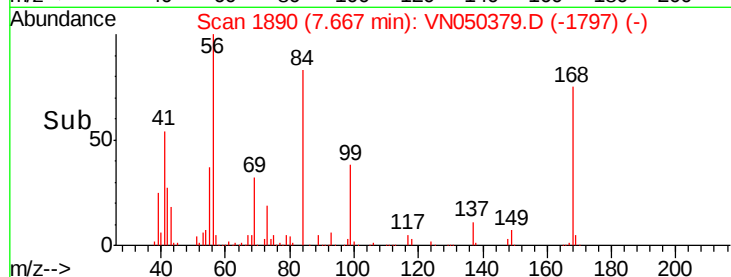
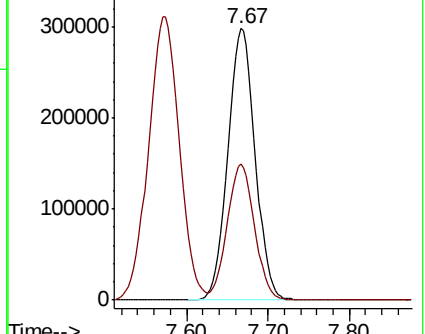
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 74.60 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050379.D

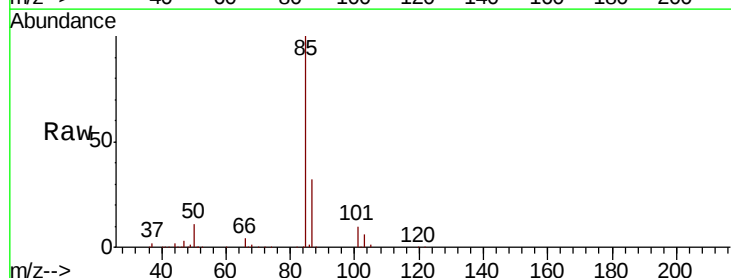
Acq: 6 Aug 2018 12:49

Tgt Ion: 85 Resp: 749204

Ion Ratio Lower Upper

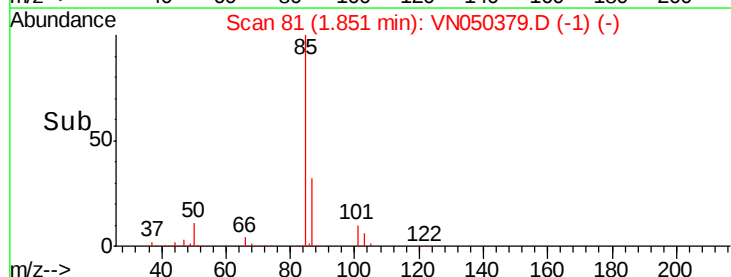
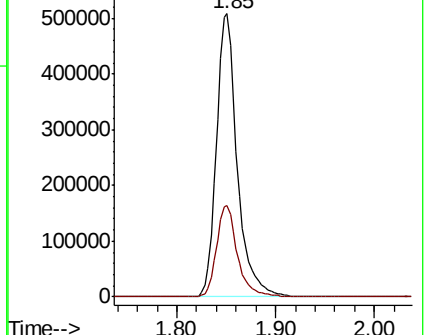
85 100

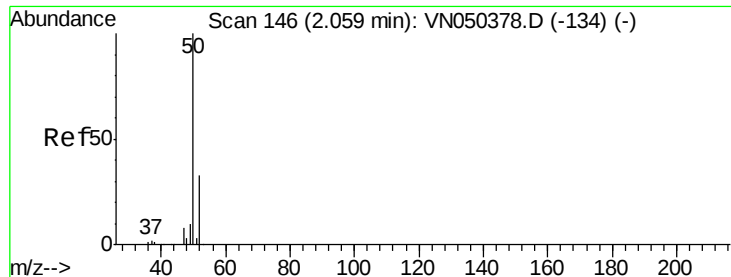
87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 83.90 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 915935

Ion Ratio Lower Upper

50 100

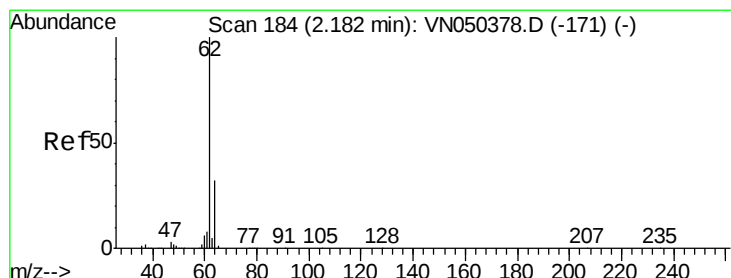
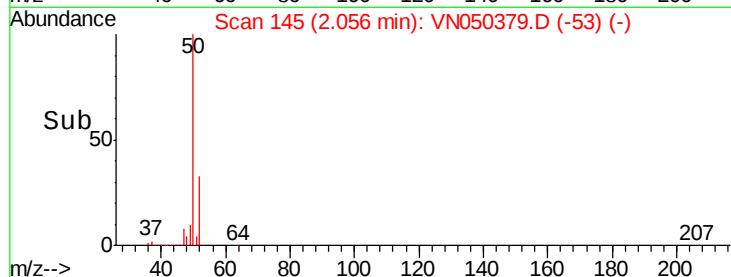
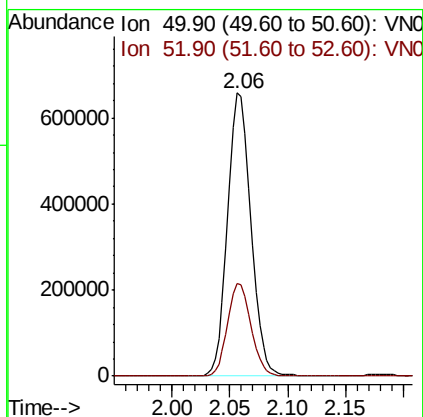
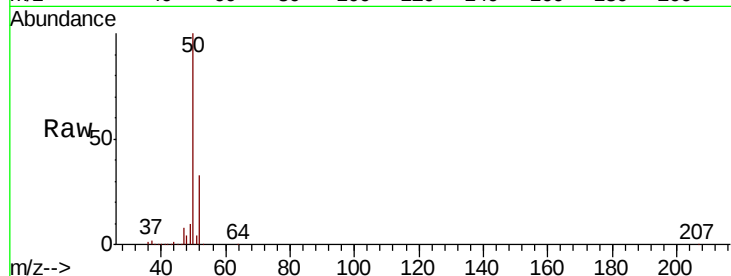
52 32.8 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 84.83 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050379.D

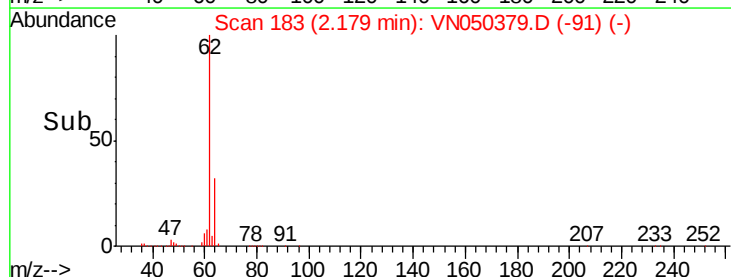
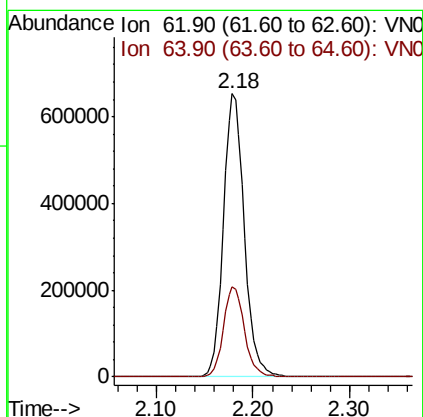
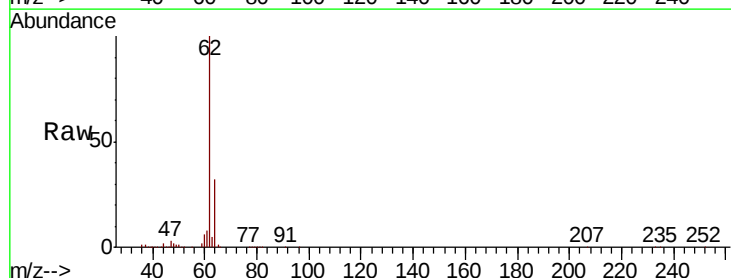
Acq: 6 Aug 2018 12:49

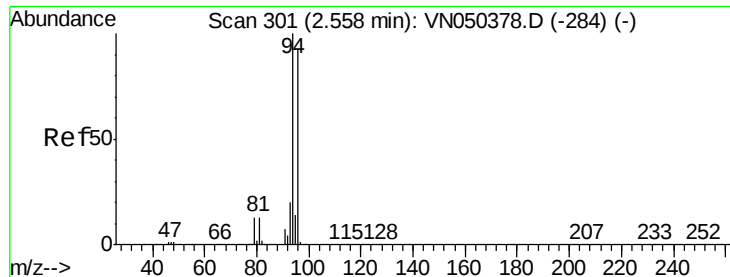
Tgt Ion: 62 Resp: 975257

Ion Ratio Lower Upper

62 100

64 31.6 24.7 37.1





#5

Bromomethane

Concen: 68.40 ug/l

RT: 2.54 min Scan# 296

Delta R.T. -0.02 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 483714

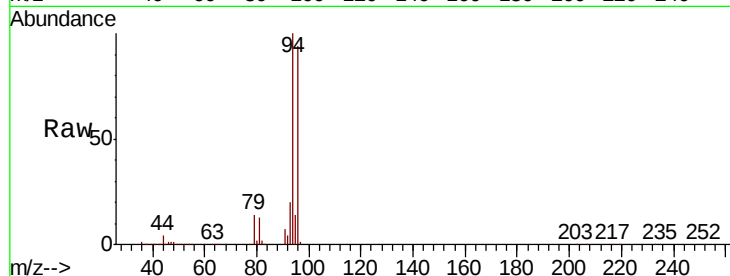
Ion Ratio Lower Upper

94 100

96 93.5 74.6 112.0

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

250000

200000

150000

100000

50000

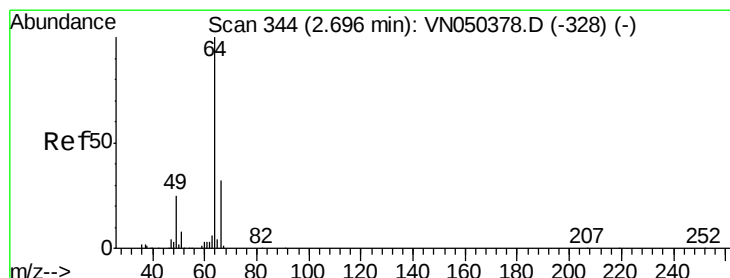
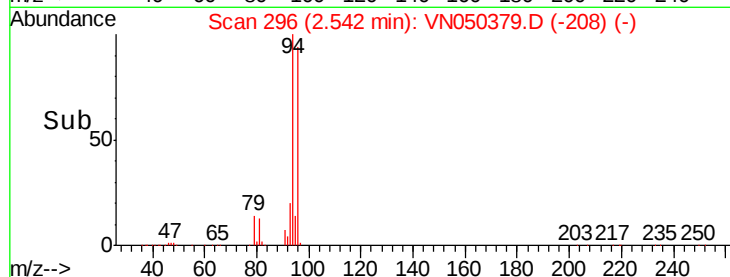
0

2.54

2.50

2.60

Time-->



#6

Chloroethane

Concen: 85.49 ug/l

RT: 2.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VN050379.D

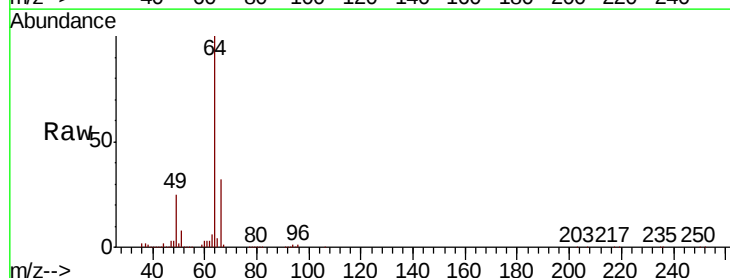
Acq: 6 Aug 2018 12:49

Tgt Ion: 64 Resp: 590221

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9



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

300000

250000

200000

150000

100000

50000

0

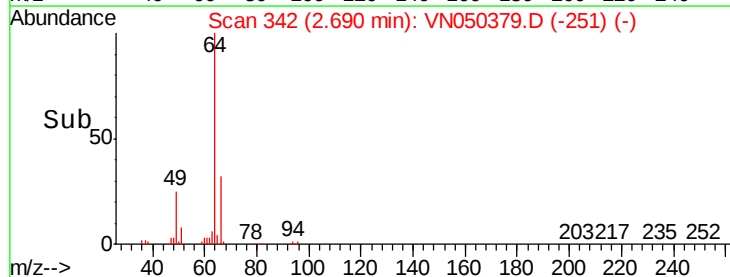
2.69

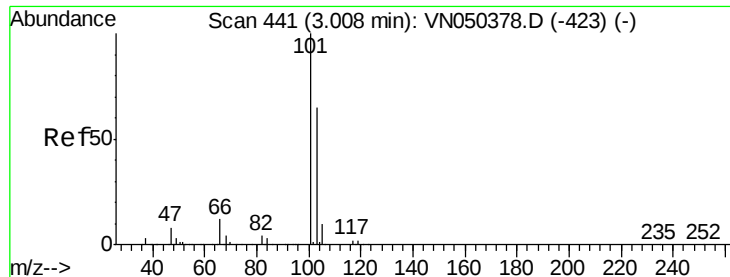
2.60

2.70

2.80

Time-->





#7

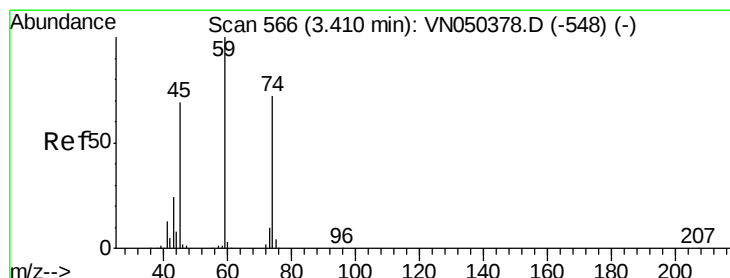
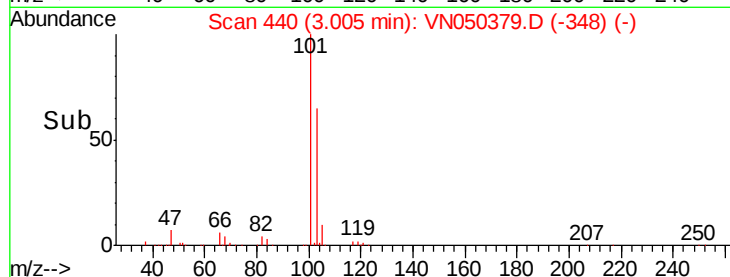
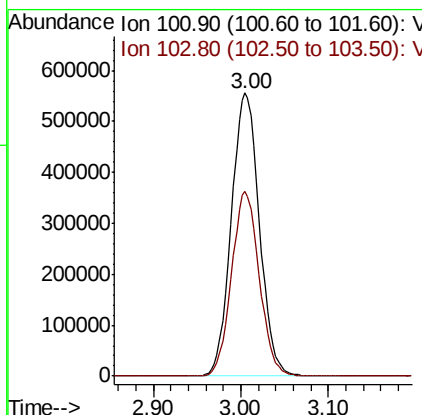
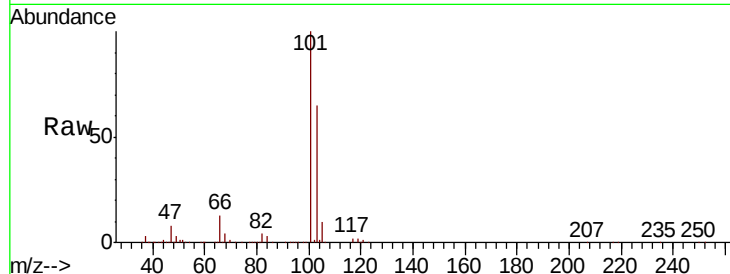
Trichlorofluoromethane
Concen: 82.98 ug/l
RT: 3.00 min Scan# 440
Delta R.T. -0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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

Manual Integrations
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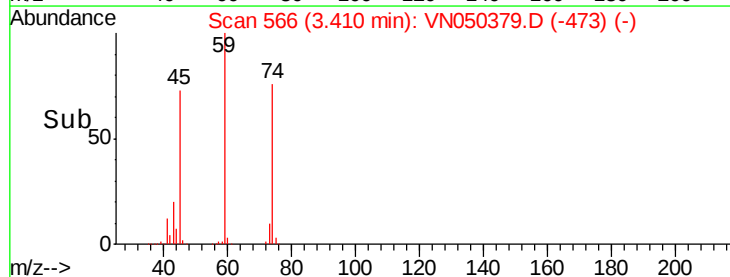
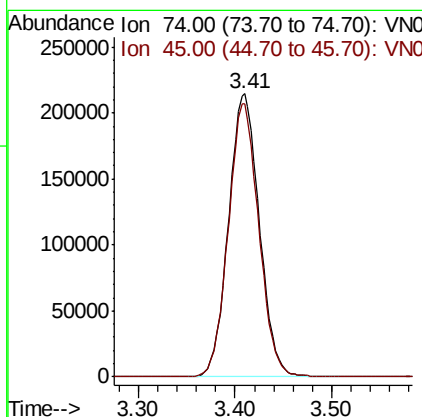
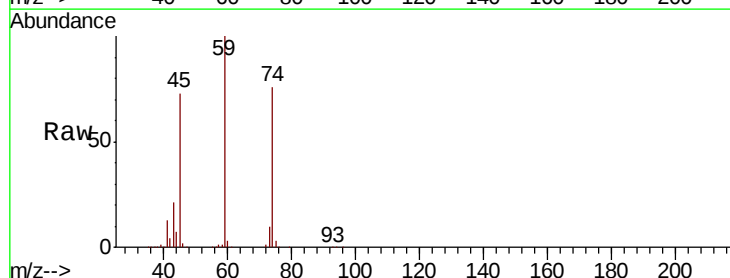
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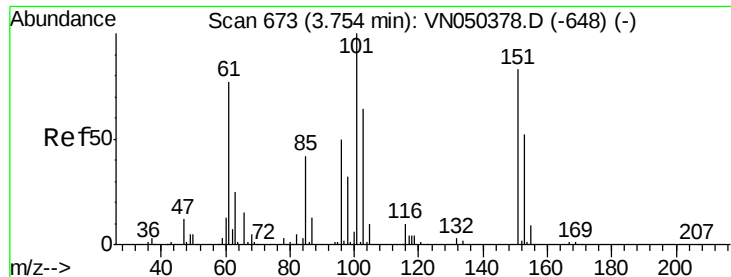


#8

Diethyl Ether
Concen: 95.58 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 84.95 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

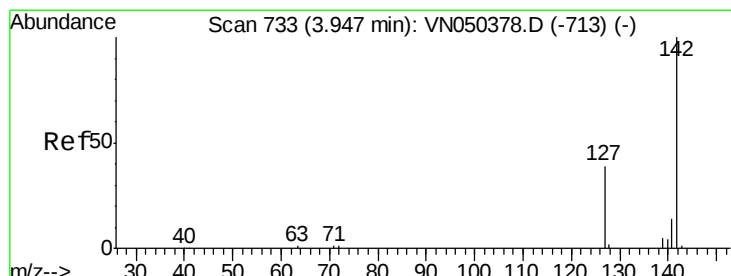
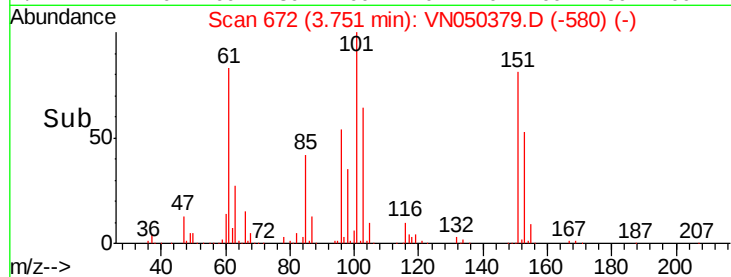
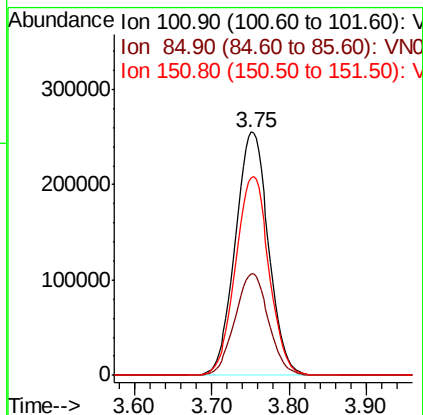
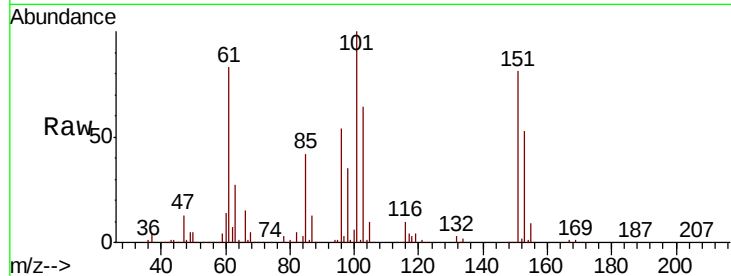
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	760754
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.2
151	82.5	66.3	99.5

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#10

Methyl Iodide

Concen: 36.06 ug/l

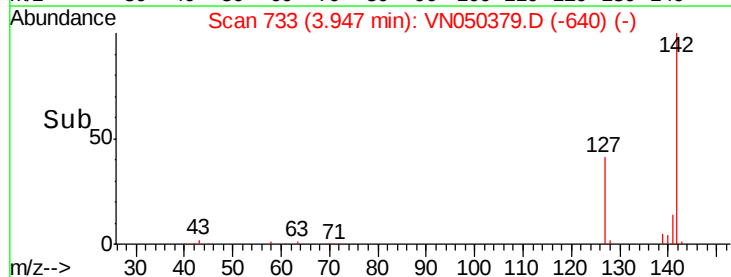
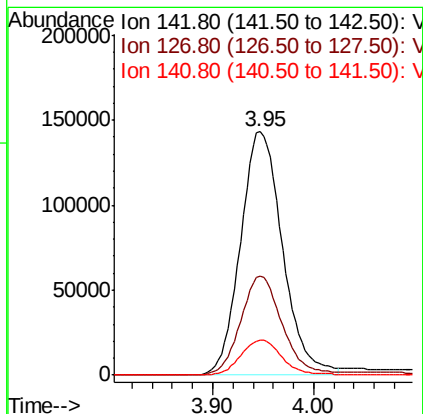
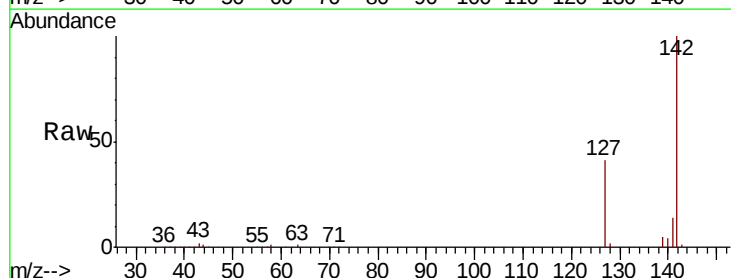
RT: 3.95 min Scan# 733

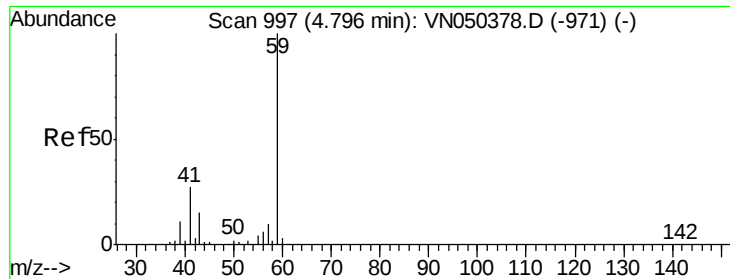
Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Tgt Ion:	142	Resp:	414493
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.4	50.2
141	14.1	11.6	17.4





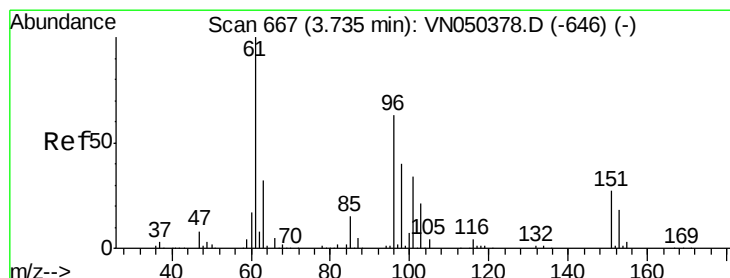
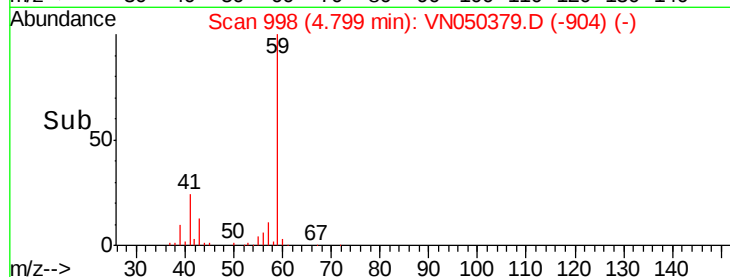
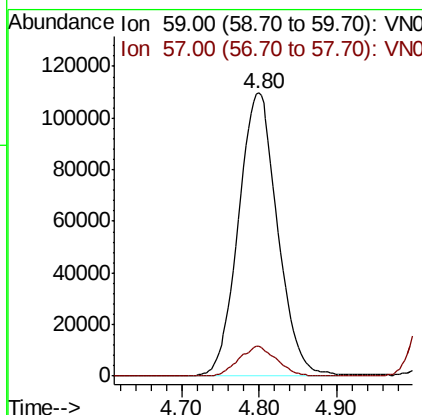
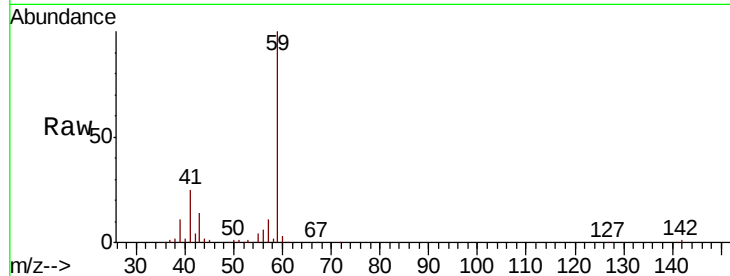
#11
Tert butyl alcohol
Concen: 537.72 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	59.00 (58.70 to 59.70): VN0	Resp	385831
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.5	12.7

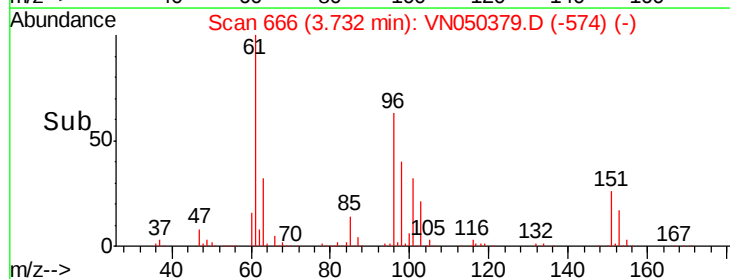
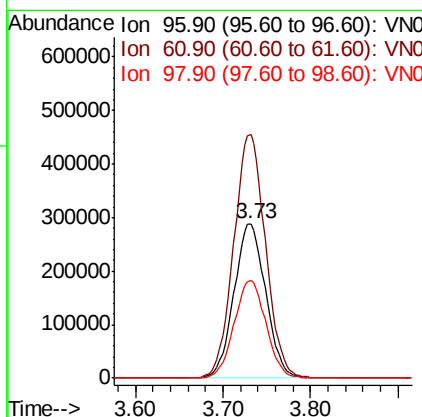
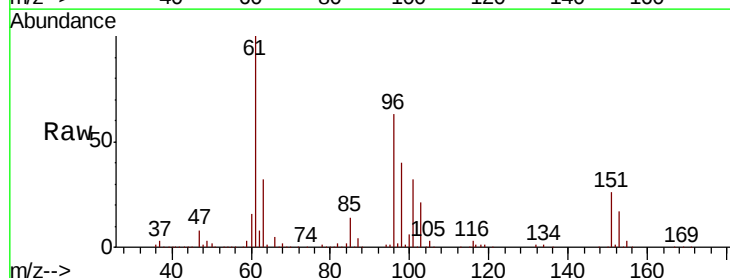
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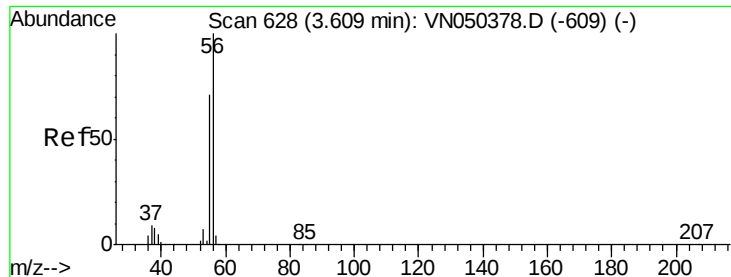
MMDadoda
8/7/2018 9:58:10 AM



#12
1,1-Dichloroethene
Concen: 89.96 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

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





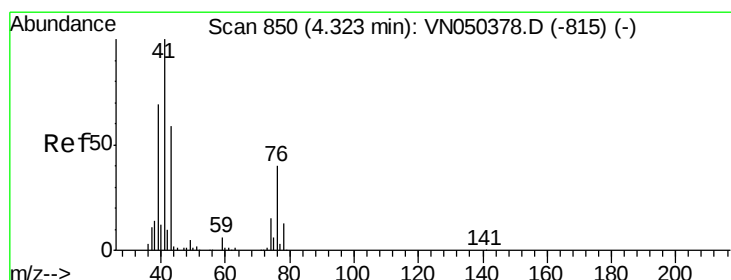
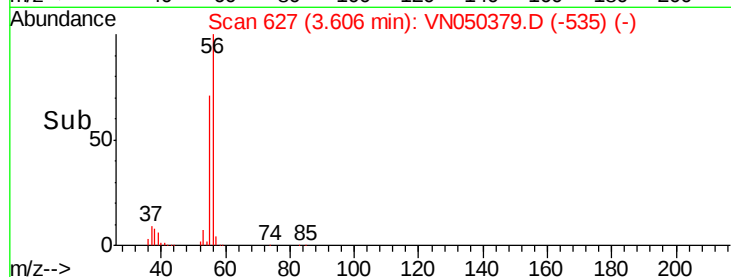
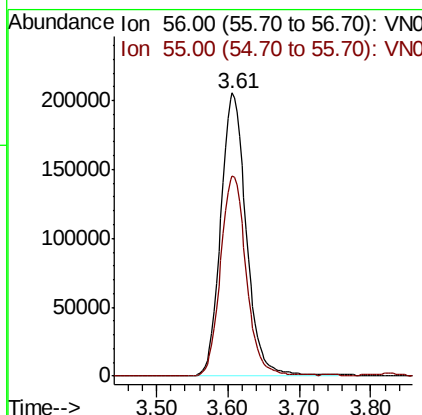
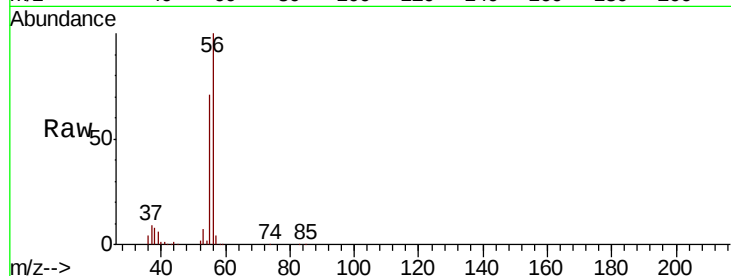
#13
Acrolein
Concen: 888.45 ug/l
RT: 3.61 min Scan# 627
Delta R.T. -0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.5	55.8	83.6

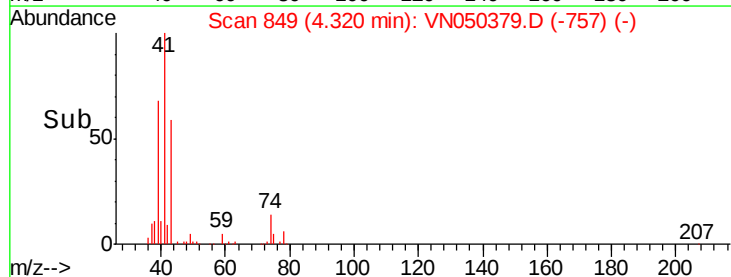
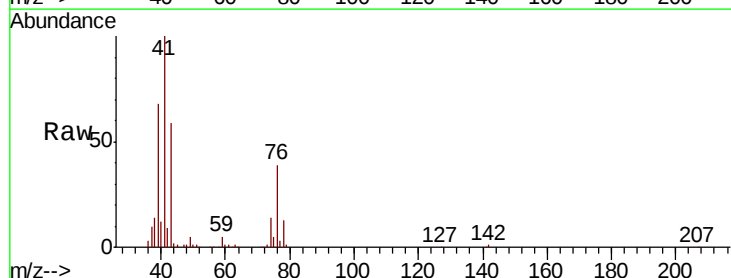
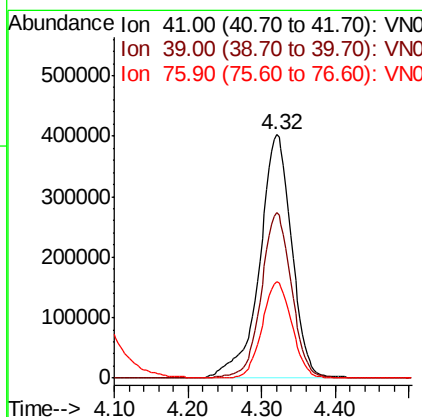
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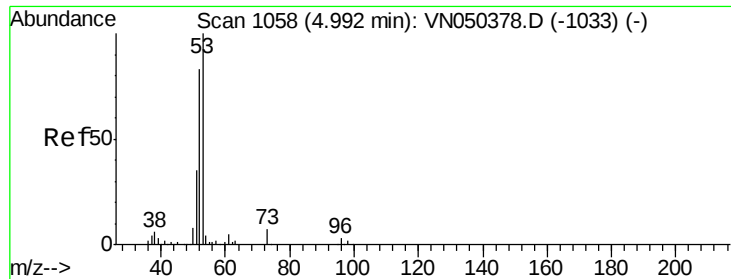
MMDadoda
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#14
Allyl chloride
Concen: 97.19 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.3	54.2	81.4
76	36.4	29.0	43.6





#15

Acrylonitrile

Concen: 515.86 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1614899

Ion Ratio Lower Upper

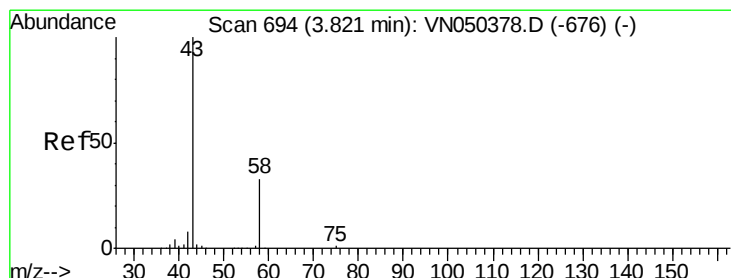
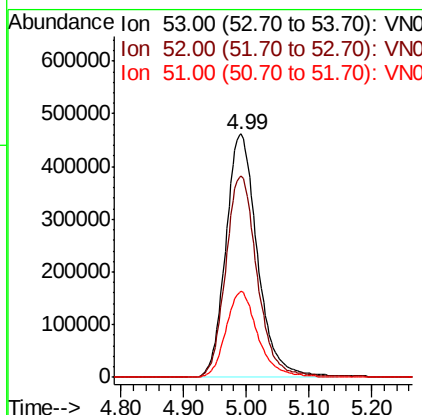
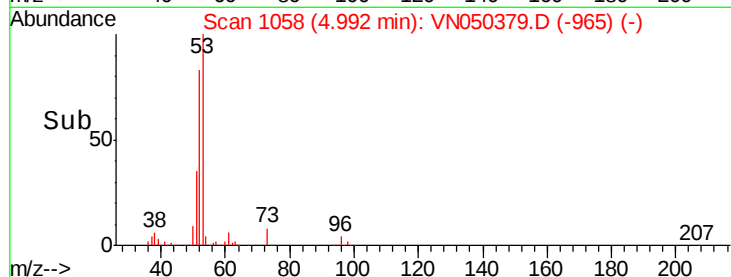
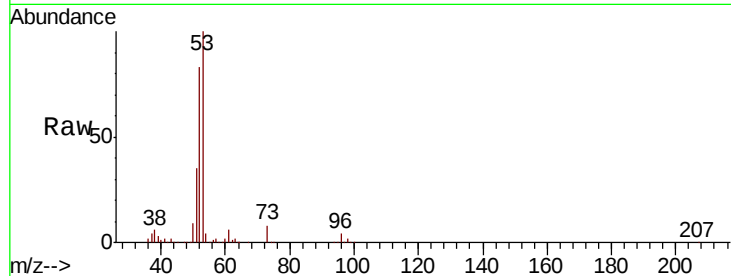
53 100

52 82.8 66.2 99.2

51 35.8 29.3 43.9

Manual Integrations
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#16

Acetone

Concen: 555.84 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050379.D

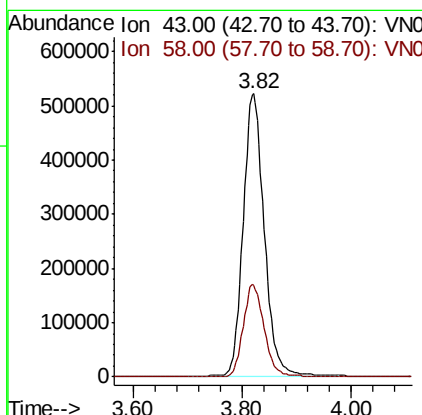
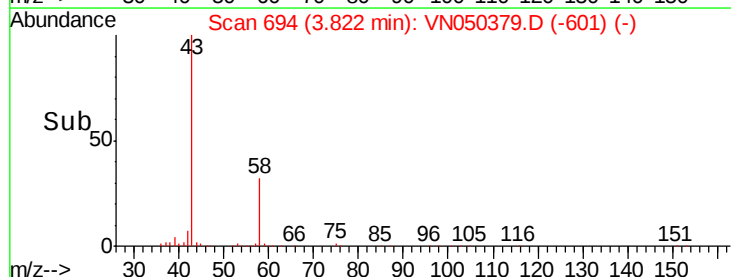
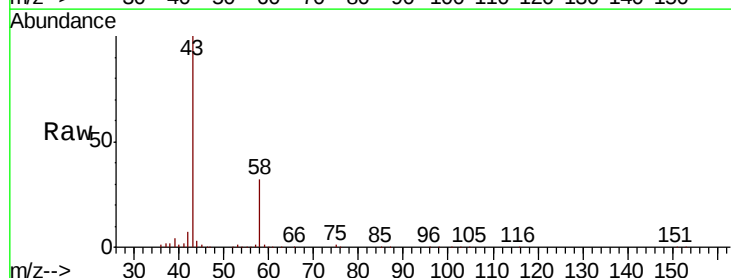
Acq: 6 Aug 2018 12:49

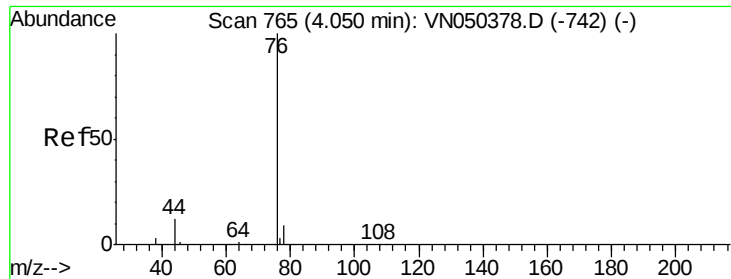
Tgt Ion: 43 Resp: 1413597

Ion Ratio Lower Upper

43 100

58 32.3 25.8 38.8





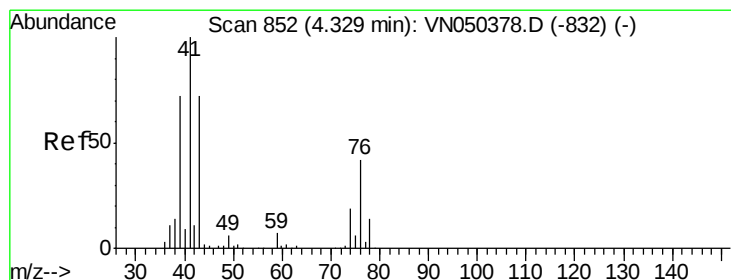
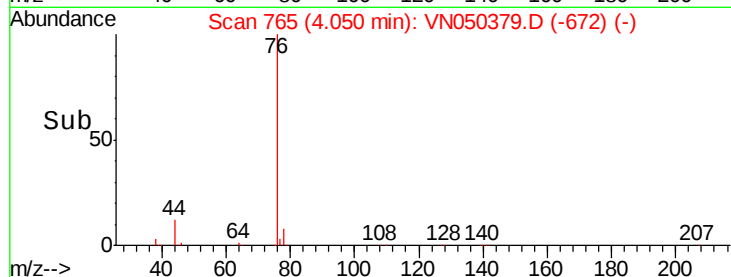
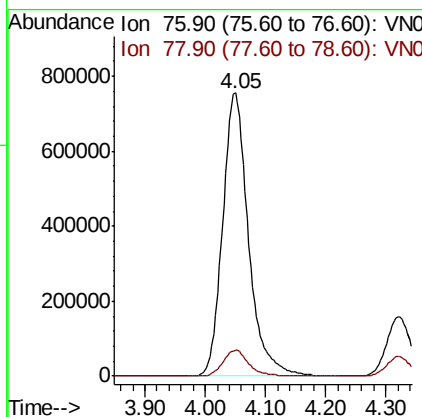
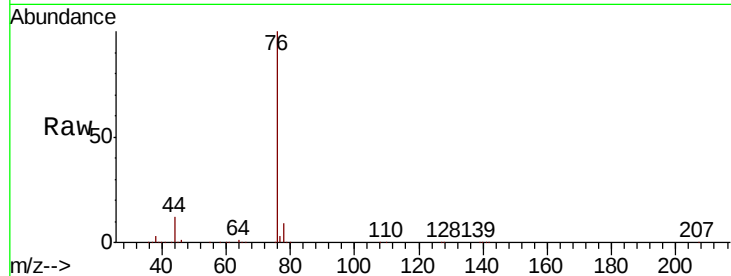
#17
Carbon Disulfide
Concen: 91.04 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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

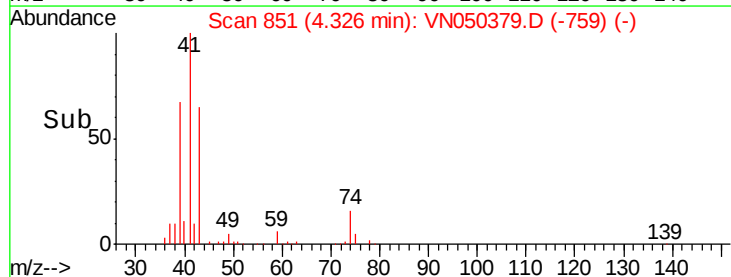
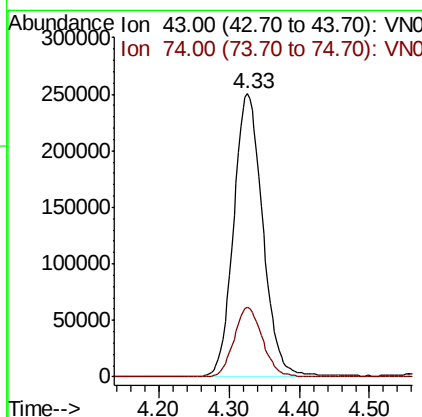
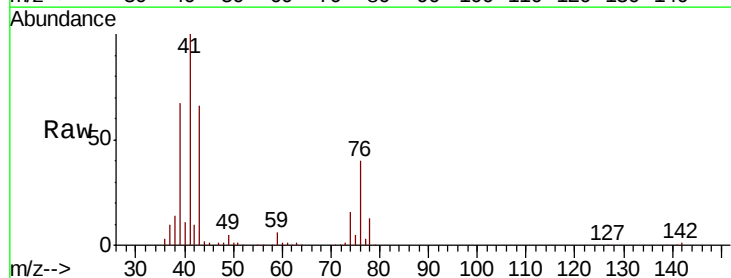
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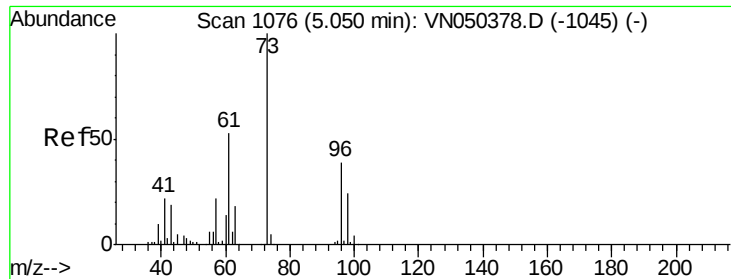
MMDadoda
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#18
Methyl Acetate
Concen: 61.50 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

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





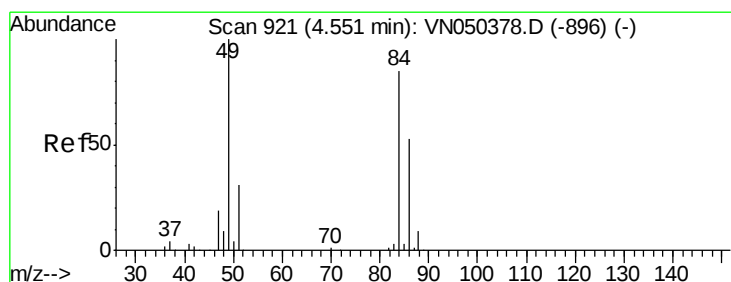
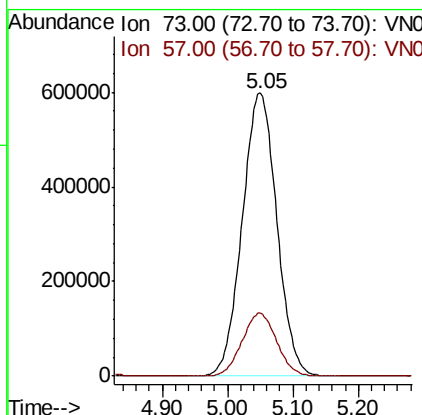
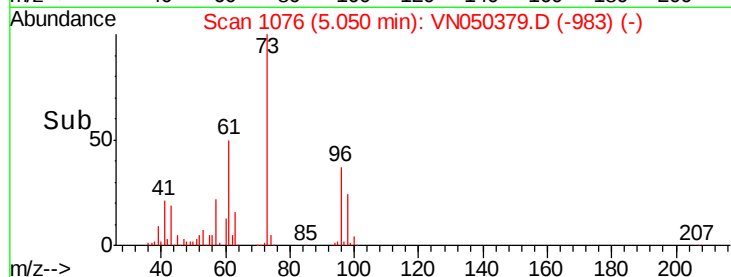
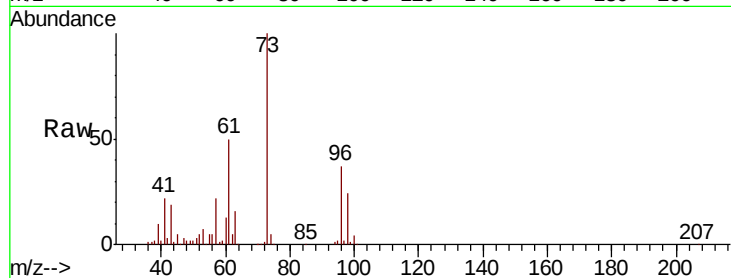
#19
Methvl tert-butvl Ether
Concen: 102.42 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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

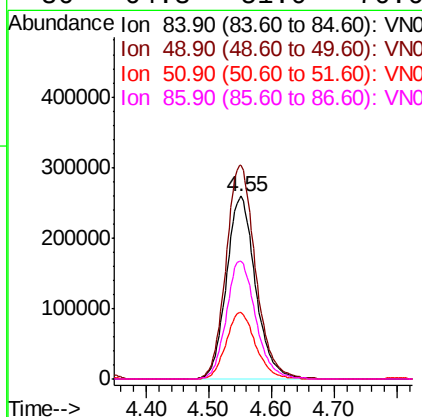
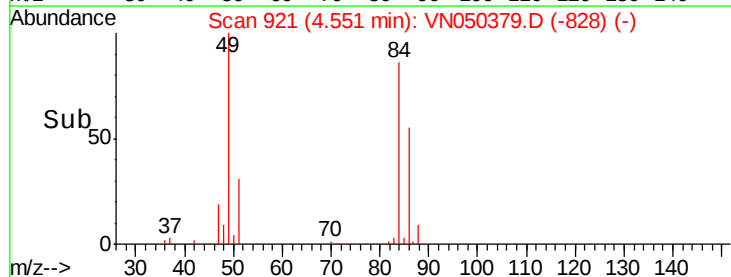
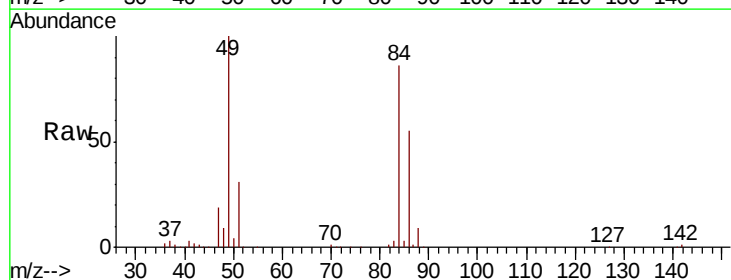
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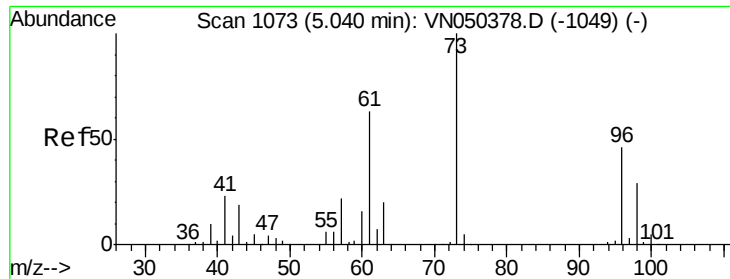
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#20
Methylene Chloride
Concen: 85.27 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

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





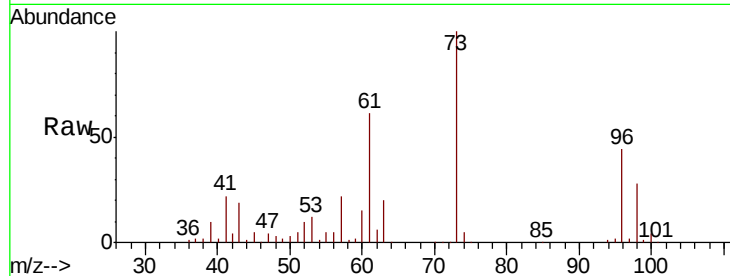
#21
trans-1,2-Dichloroethene
Concen: 92.09 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	110.7	166.1
98	63.8	51.6	77.4

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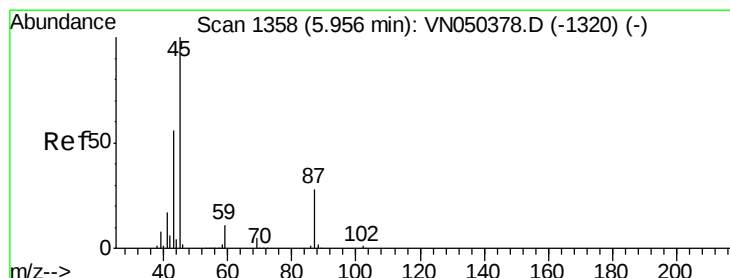
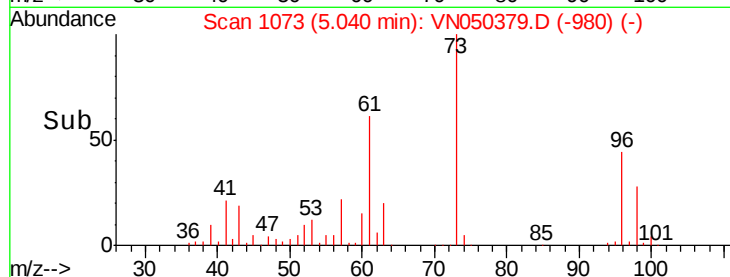
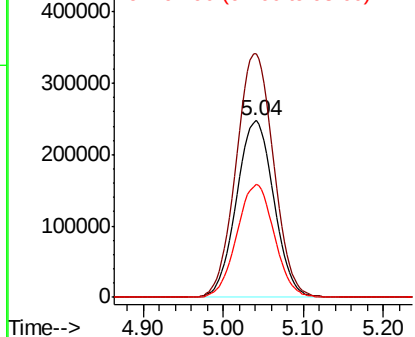


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 102.42 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.2	45.7	68.5
87	28.2	22.7	34.1
59	11.9	9.5	14.3

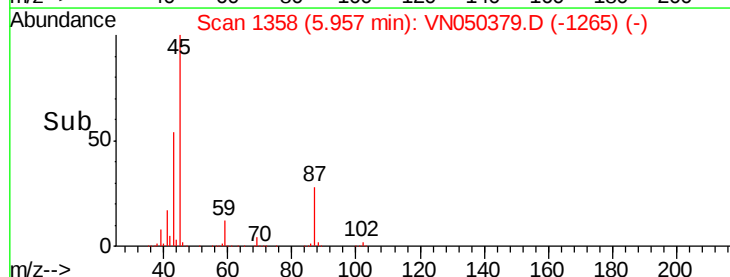
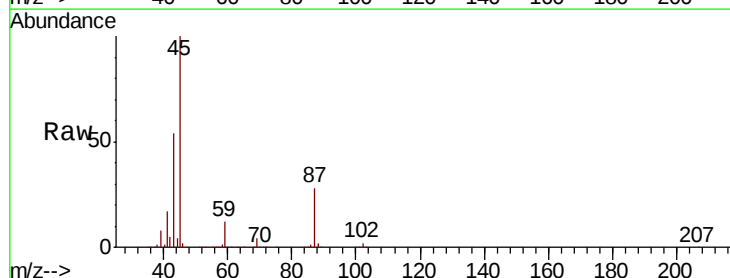
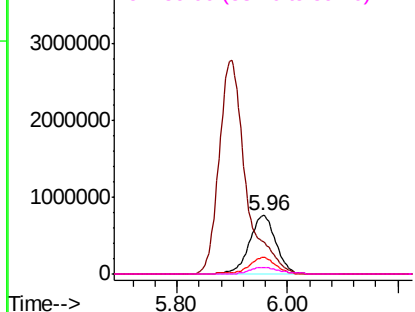
Abundance

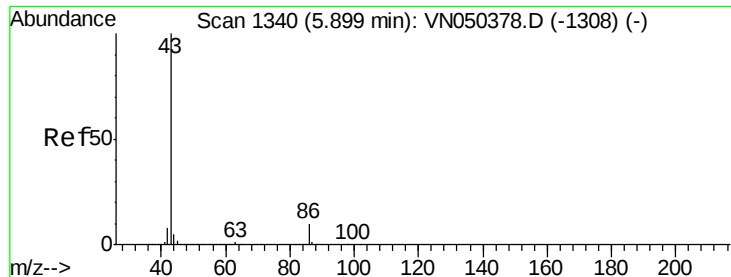
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 529.36 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 9265643

Ion Ratio Lower Upper

43 100

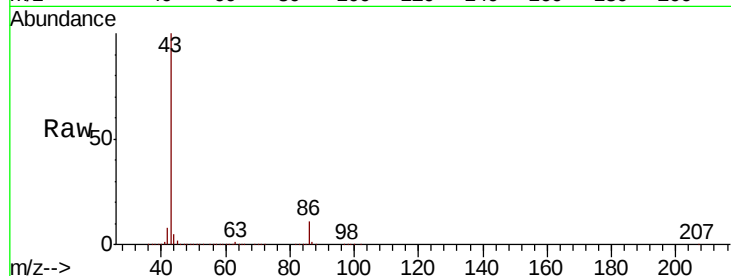
86 10.7 8.6 13.0

Manual Integrations

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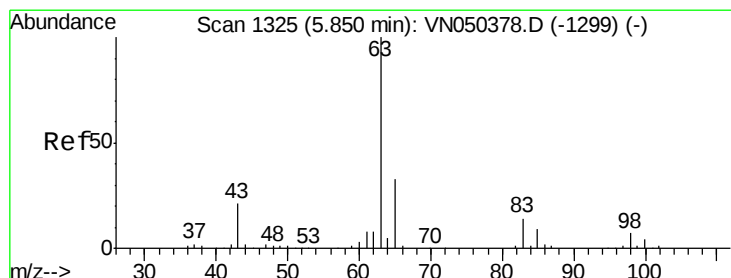
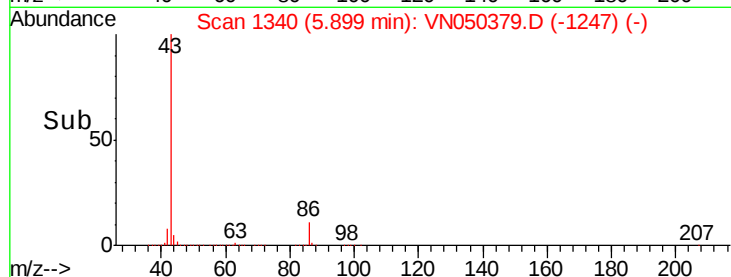
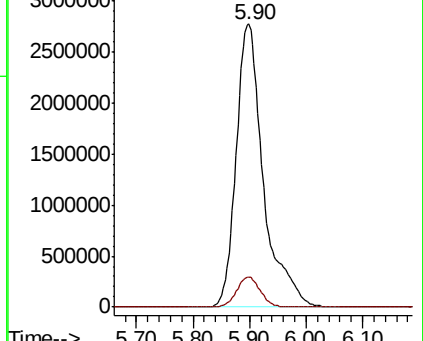
MMDadoda

8/7/2018 9:58:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 89.97 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

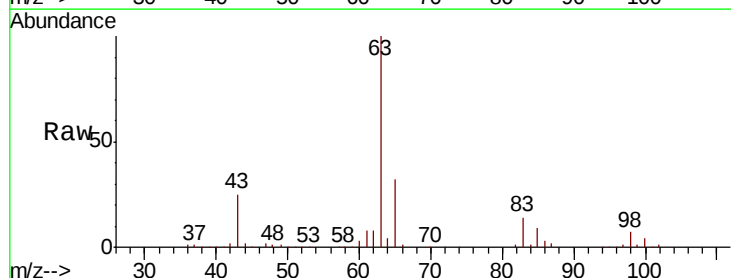
Tgt Ion: 63 Resp: 1457230

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

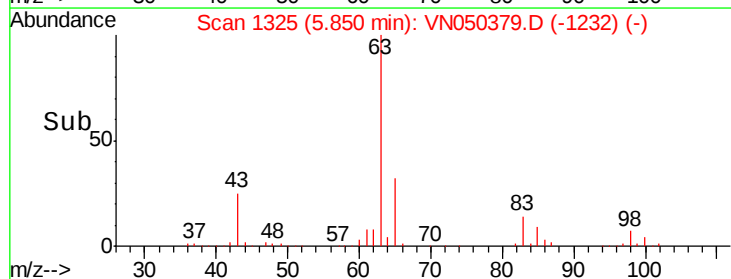
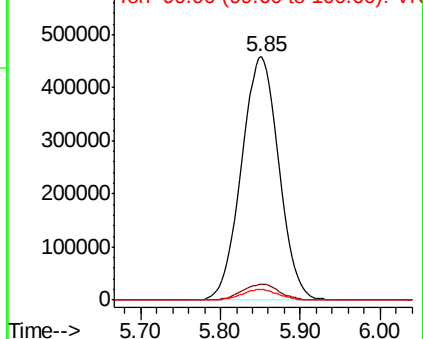
100 4.2 2.1 6.3

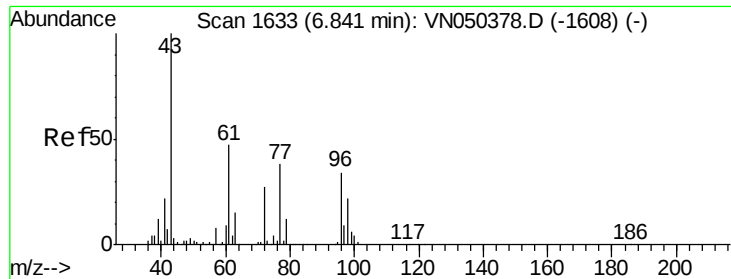


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





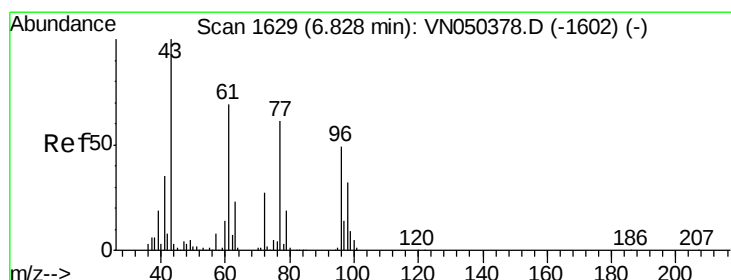
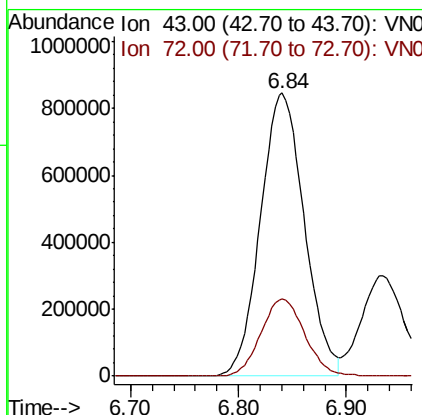
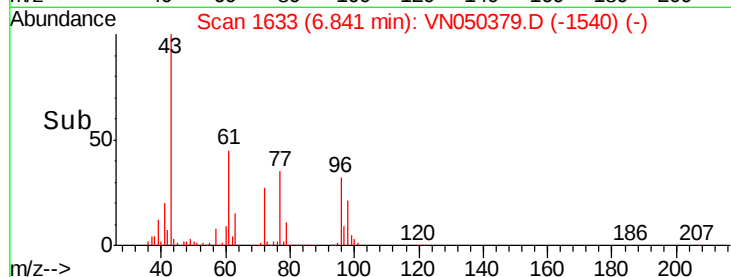
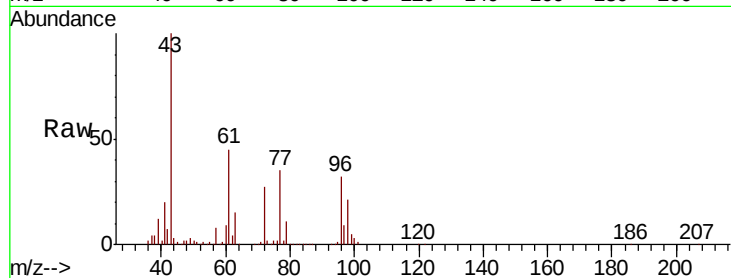
#25
2-Butanone
Concen: 640.00 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2380585
Ion Ratio Lower Upper
43 100
72 27.3 21.5 32.3

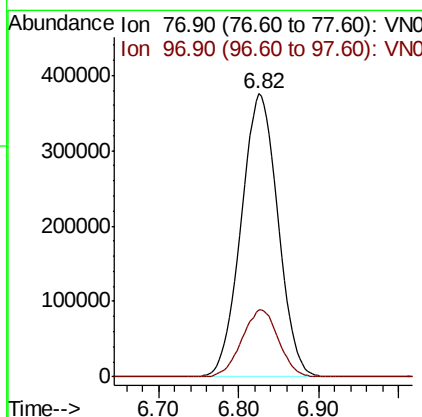
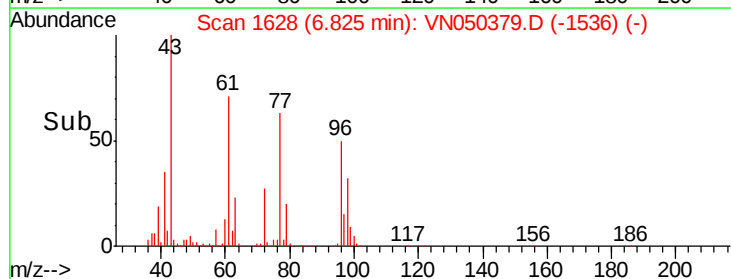
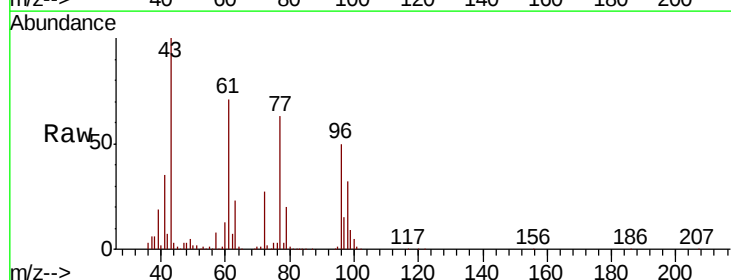
Manual Integrations
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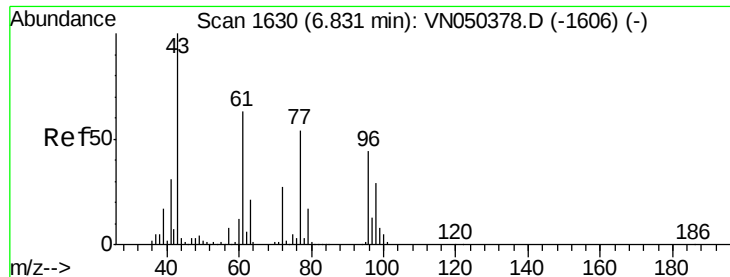
MMDadoda
8/7/2018 9:58:10 AM



#26
2,2-Dichloropropane
Concen: 95.22 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion: 77 Resp: 1173222
Ion Ratio Lower Upper
77 100
97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 97.49 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 895878

Ion Ratio Lower Upper

96 100

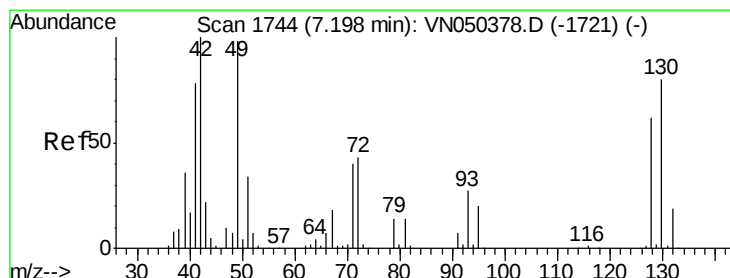
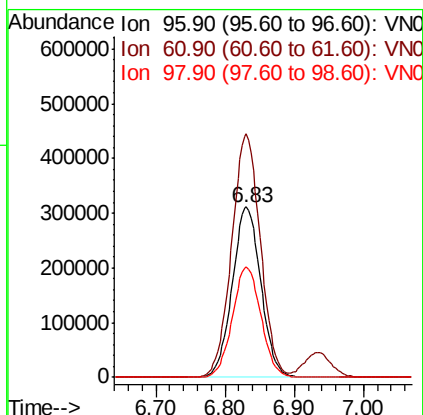
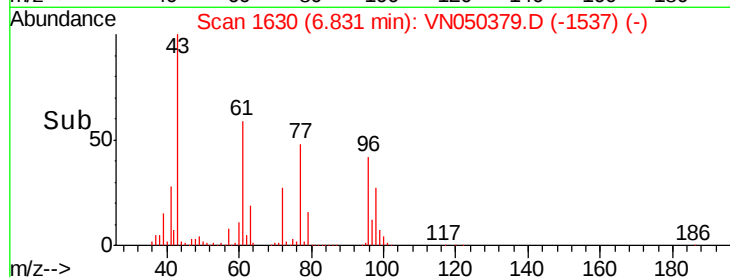
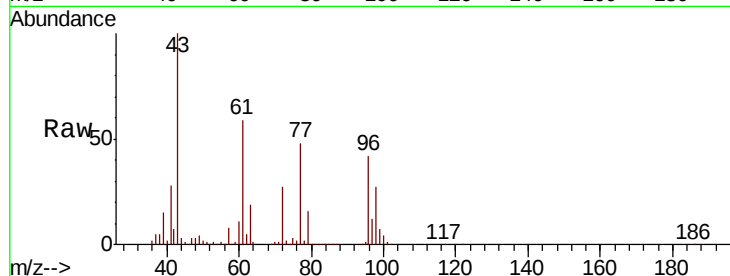
61 143.2 0.0 285.0

98 64.7 0.0 129.2

Manual Integrations
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8/7/2018 9:58:10 AM



#28

Bromochloromethane

Concen: 89.68 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

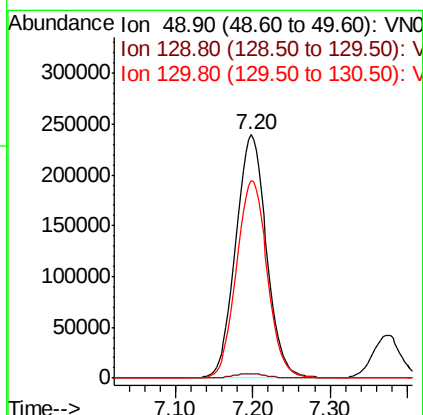
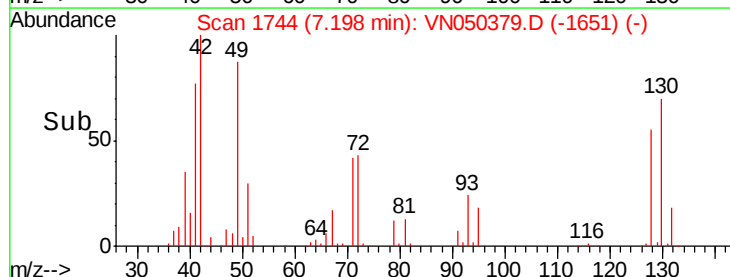
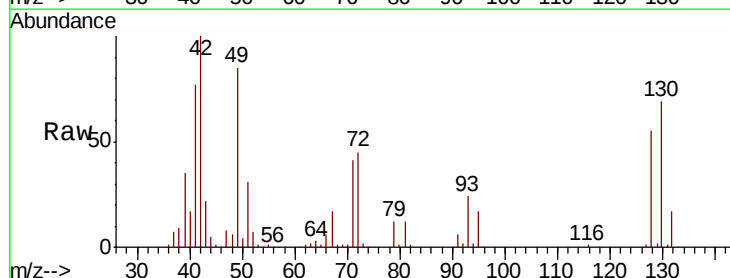
Tgt Ion: 49 Resp: 662464

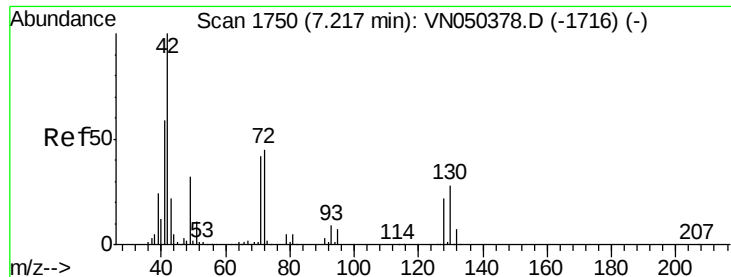
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

130 81.6 66.3 99.5





#29

Tetrahydrofuran

Concen: 526.61 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 42 Resp: 1265785

Ion Ratio Lower Upper

42 100

72 45.0 35.9 53.9

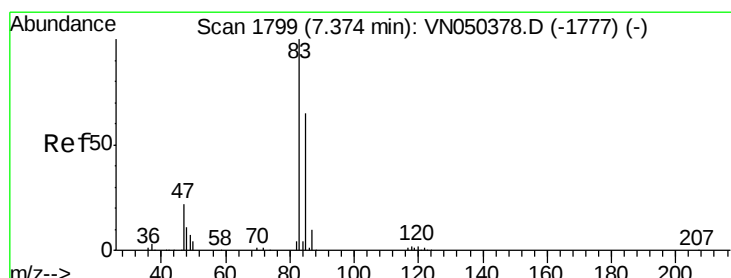
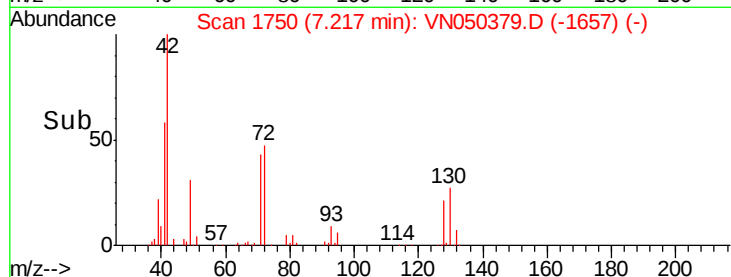
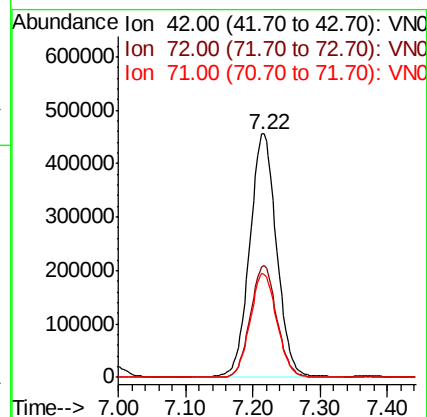
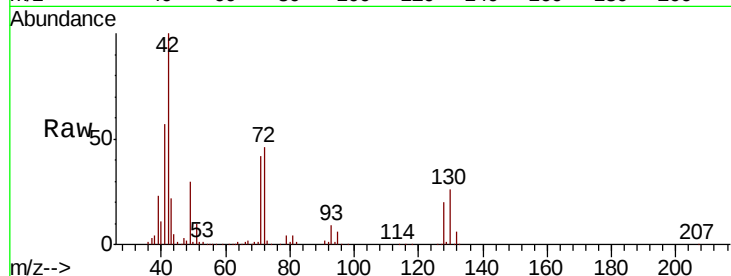
71 42.2 33.7 50.5

Manual Integrations

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#30

Chloroform

Concen: 88.44 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050379.D

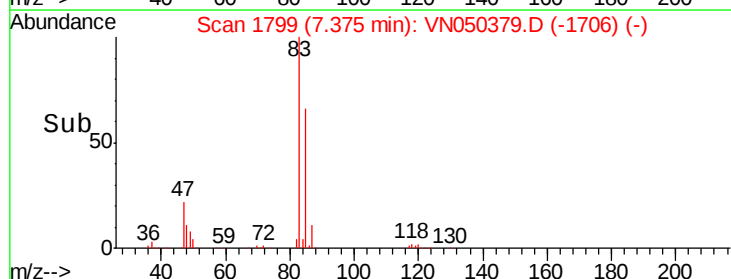
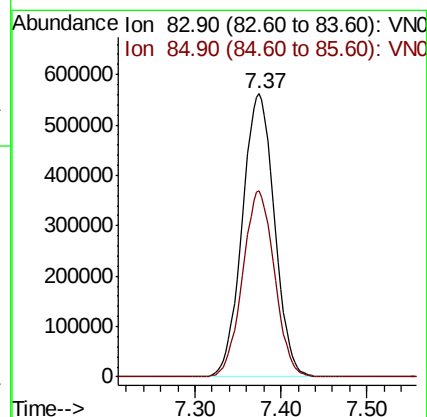
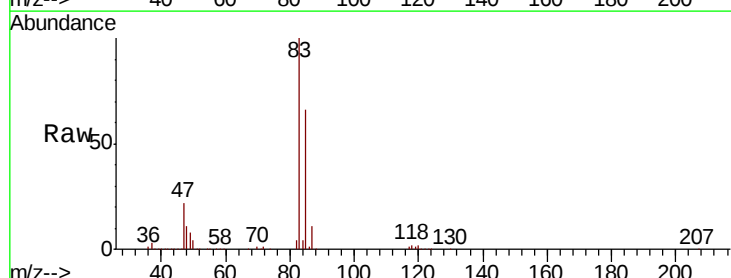
Acq: 6 Aug 2018 12:49

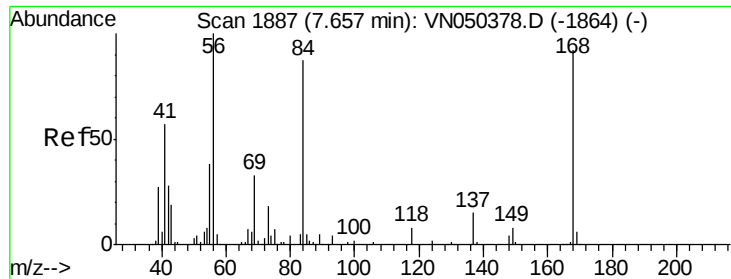
Tgt Ion: 83 Resp: 1461770

Ion Ratio Lower Upper

83 100

85 65.6 52.5 78.7





#31

Cyclohexane

Concen: 86.39 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 1343167

Ion Ratio Lower Upper

56 100

69 31.1 26.2 39.4

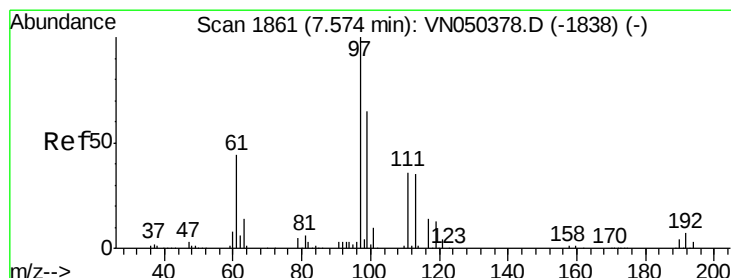
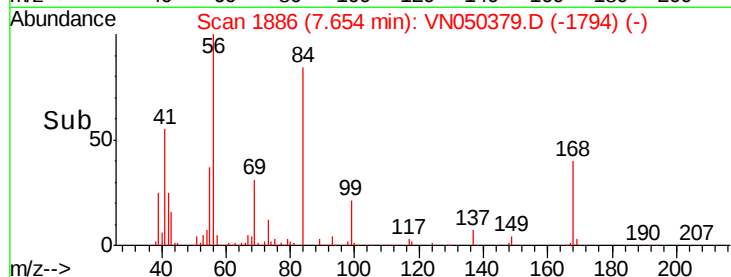
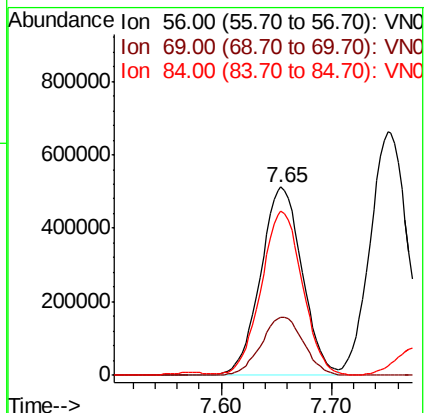
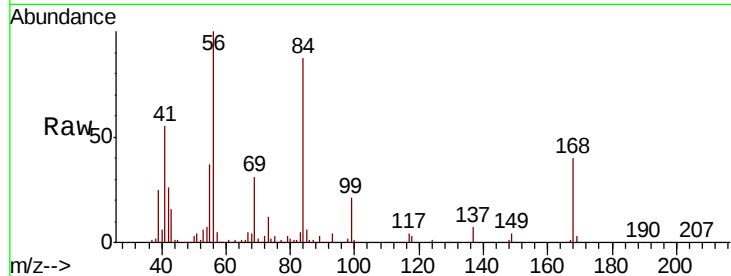
84 85.8 67.4 101.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 89.61 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

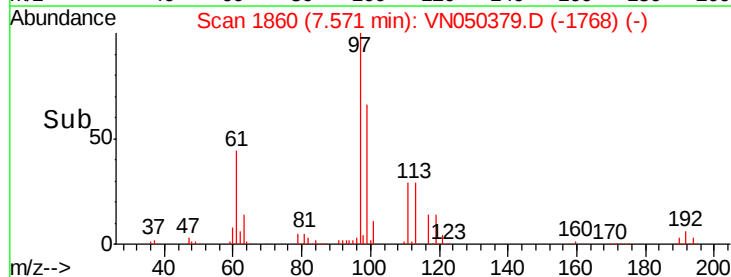
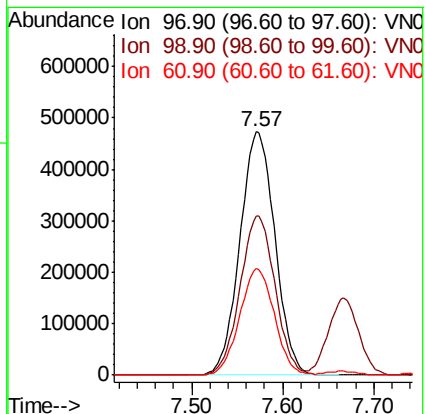
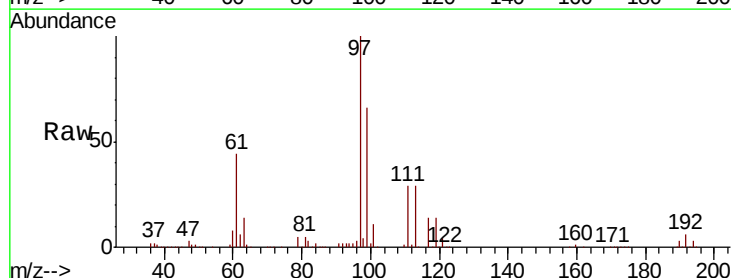
Tgt Ion: 97 Resp: 1266922

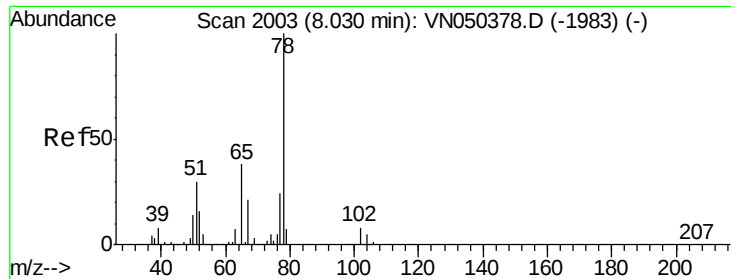
Ion Ratio Lower Upper

97 100

99 65.1 51.4 77.0

61 43.4 35.4 53.0





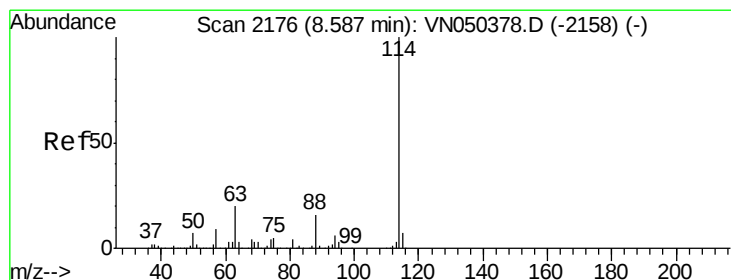
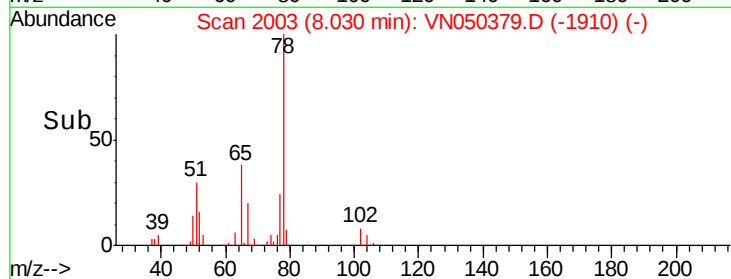
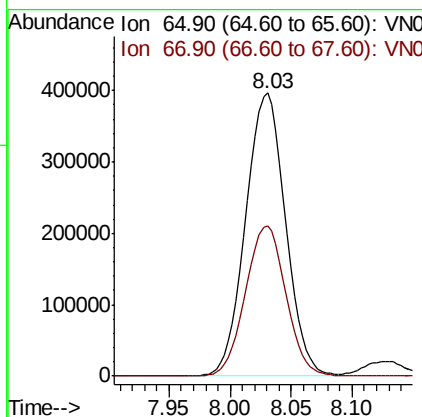
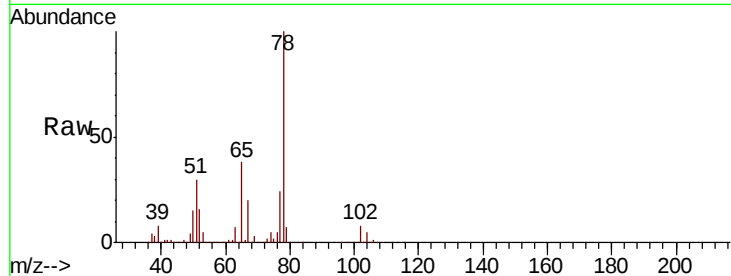
#33
 1,2-Dichloroethane-d4
 Concen: 92.10 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	898176		
67	53.8	0.0	108.4	

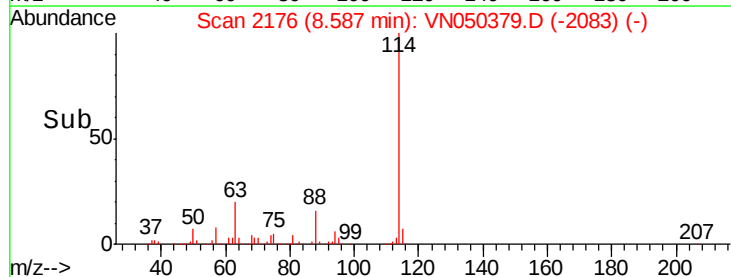
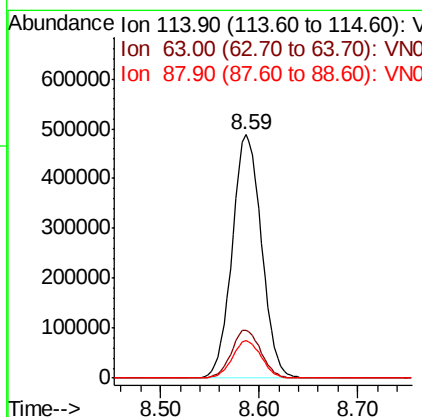
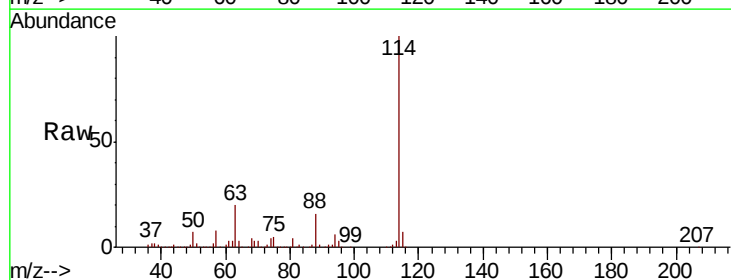
Manual Integrations
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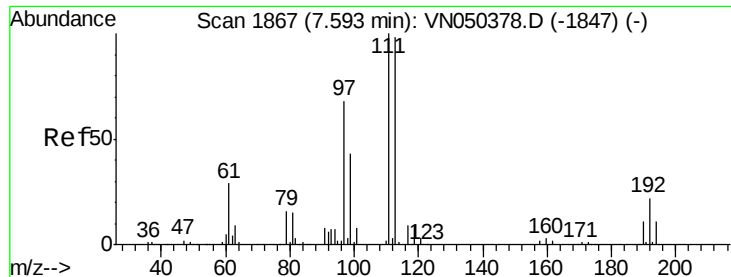
MMDadoda
 8/7/2018 9:58:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1010404		
63	19.9	0.0	40.0	
88	15.7	0.0	31.2	





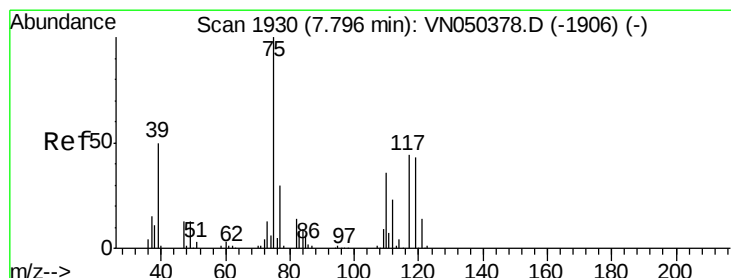
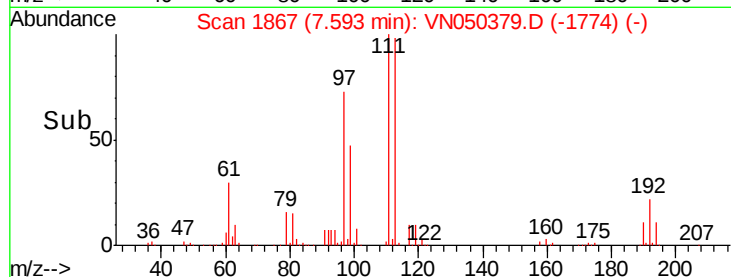
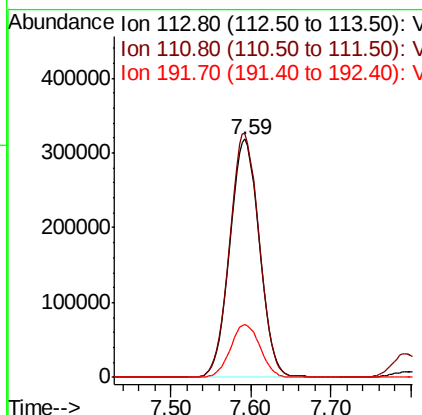
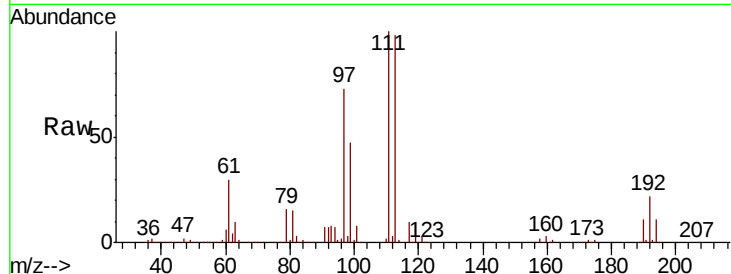
#35
 Dibromofluoromethane
 Concen: 96.60 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

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

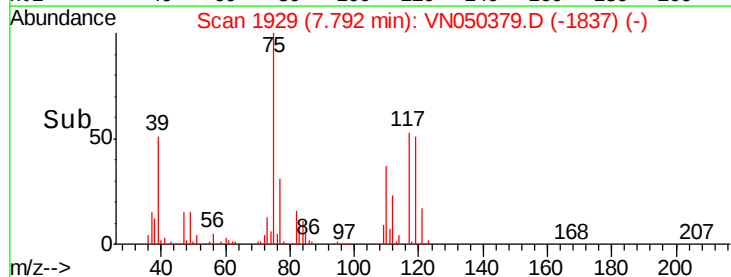
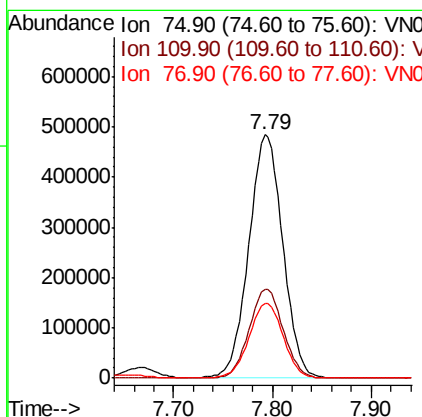
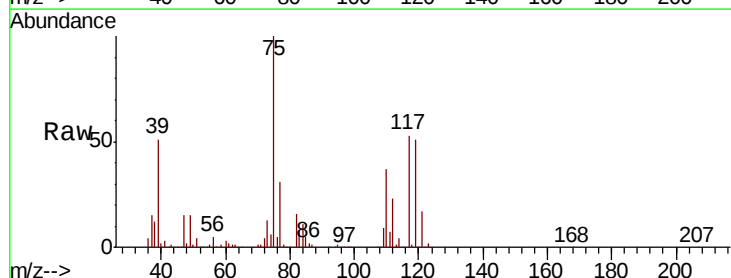
Manual Integrations
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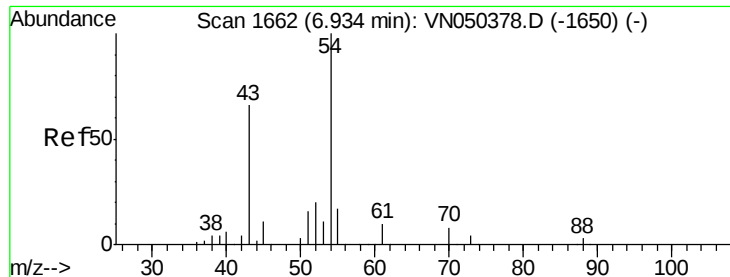
MMDadoda
 8/7/2018 9:58:10 AM



#36
 1,1-Dichloropropene
 Concen: 100.79 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

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





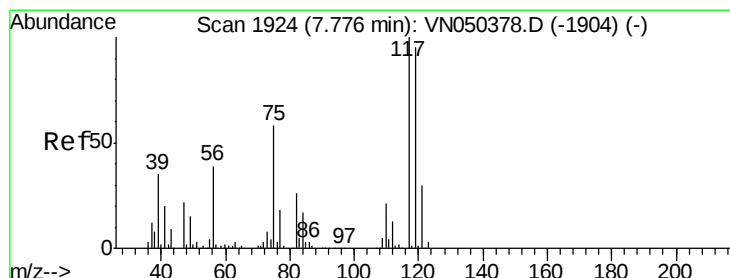
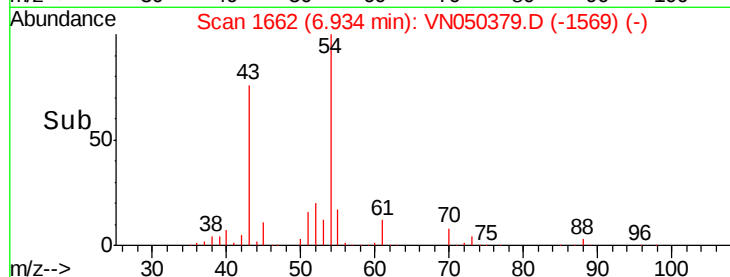
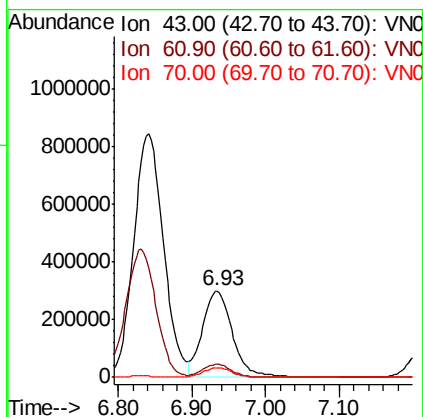
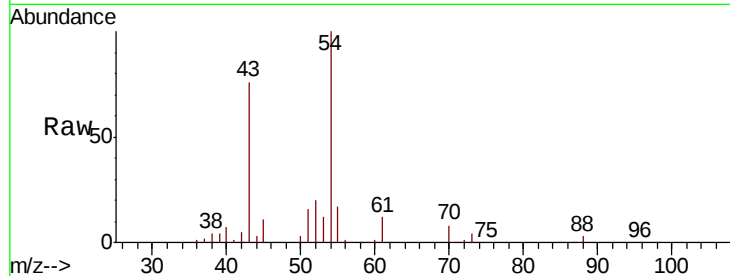
#37
Ethyl Acetate
Concen: 106.27 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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

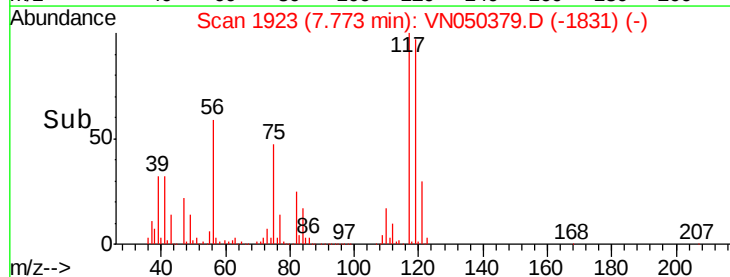
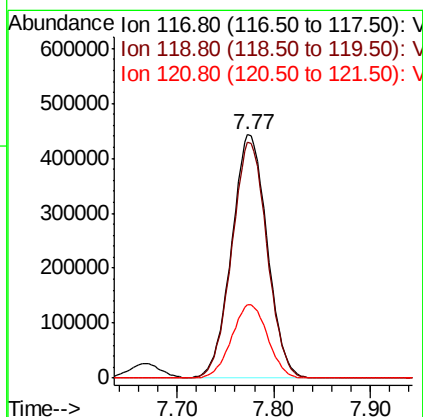
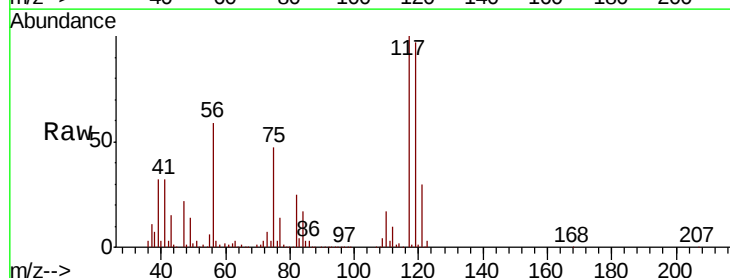
Manual Integrations
APPROVED

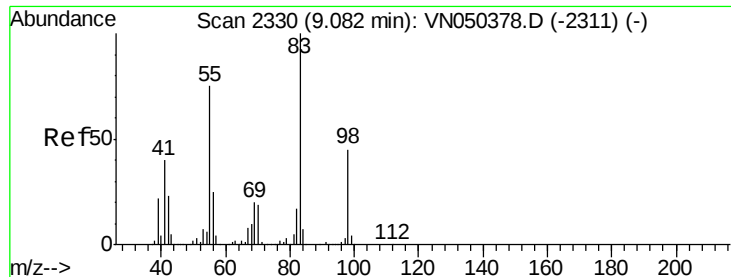
MMDadoda
8/7/2018 9:58:10 AM



#38
Carbon Tetrachloride
Concen: 93.41 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

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





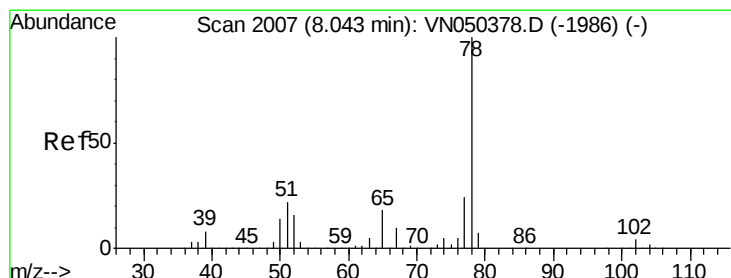
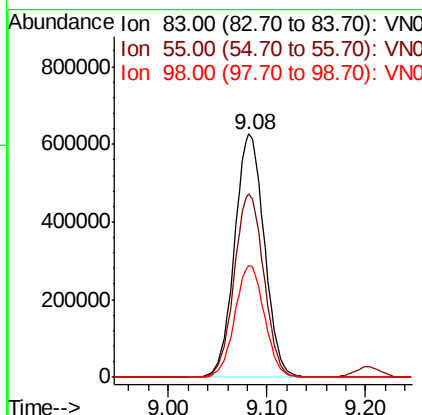
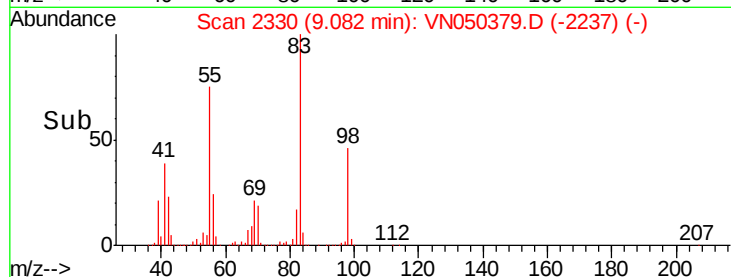
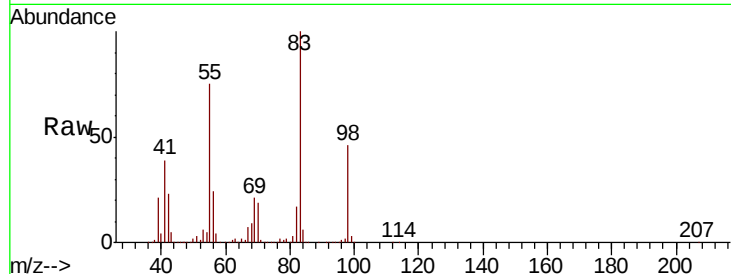
#39
Methvlcvclohexane
Concen: 111.68 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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

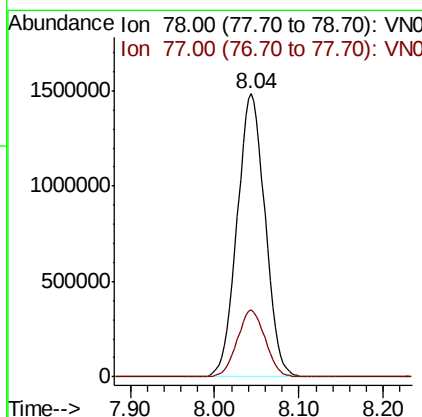
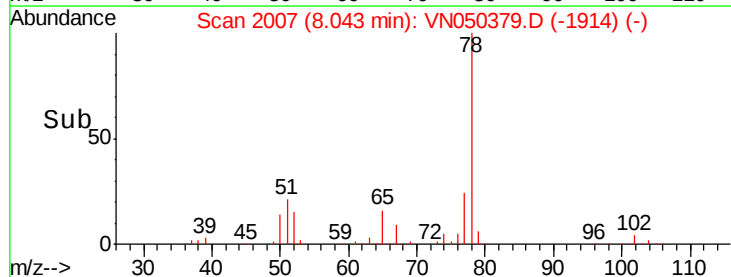
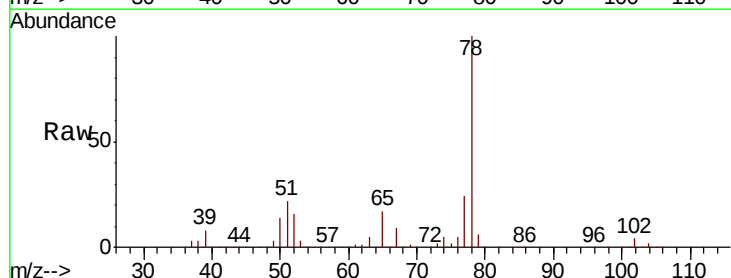
Manual Integrations
APPROVED

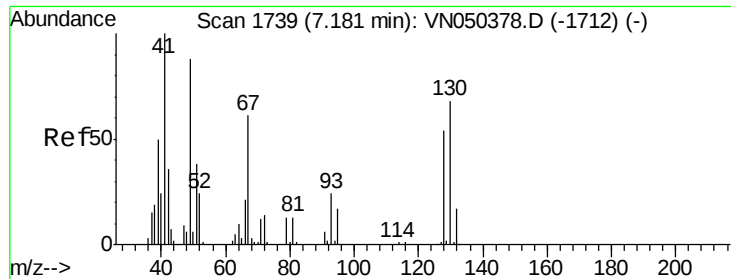
MMDadoda
8/7/2018 9:58:10 AM



#40
Benzene
Concen: 99.06 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

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





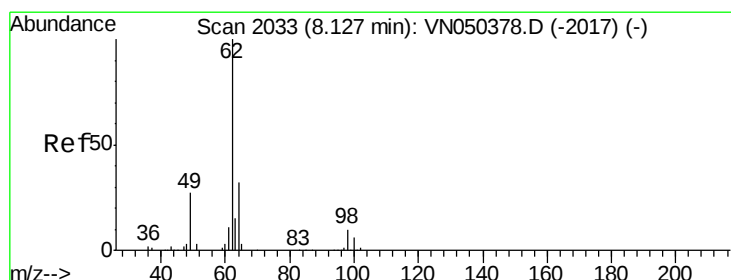
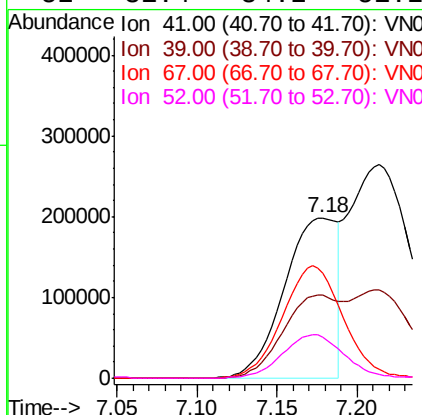
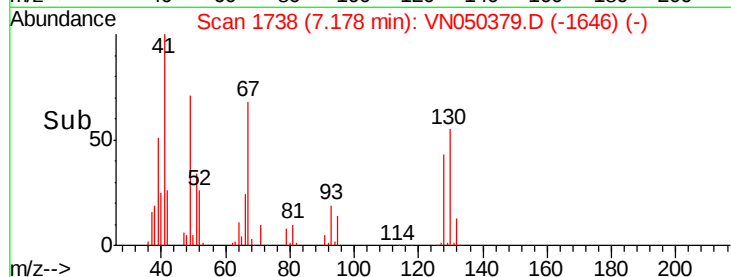
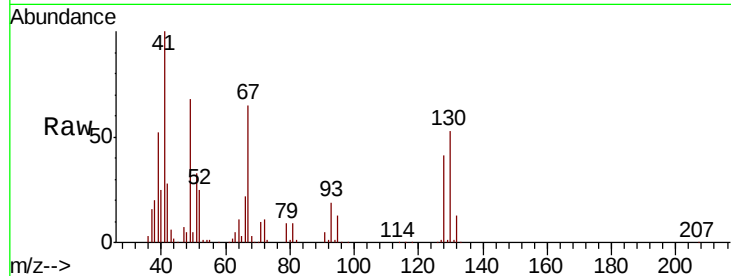
#41
Methacrylonitrile
Concen: 123.10 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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

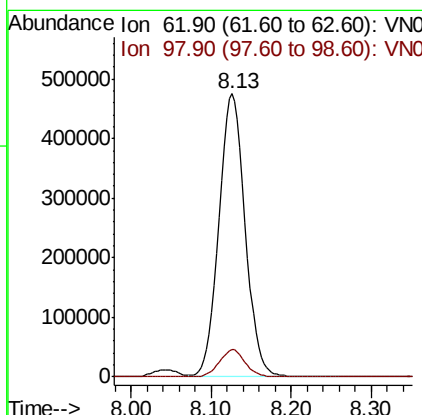
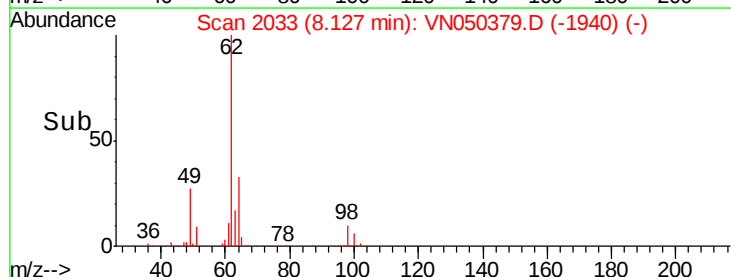
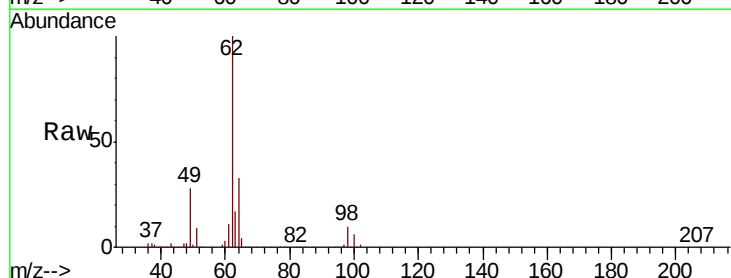
Manual Integrations
APPROVED

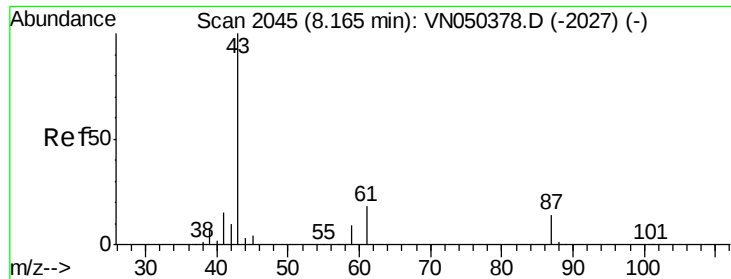
MMDadoda
8/7/2018 9:58:10 AM



#42
1,2-Dichloroethane
Concen: 93.03 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.8





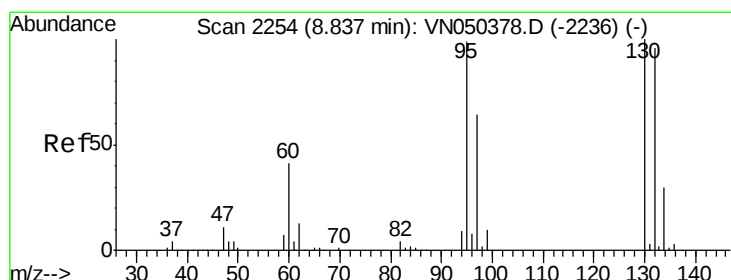
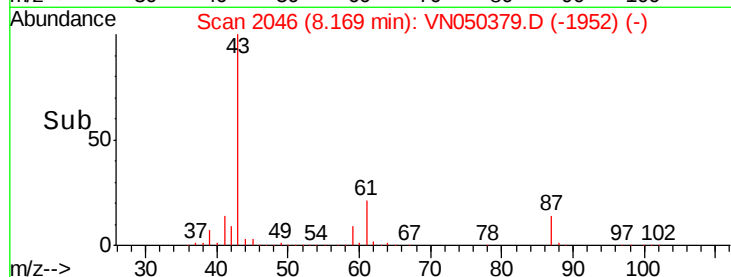
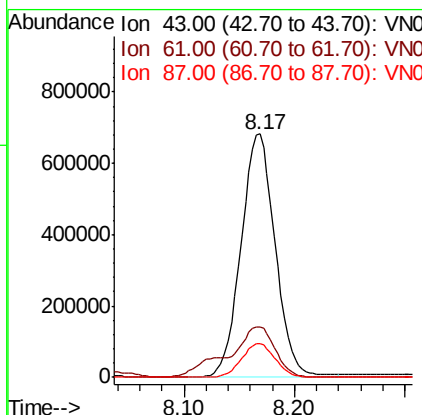
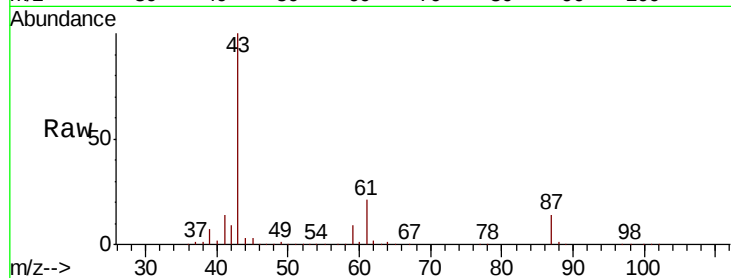
#43
Isopropyl Acetate
Concen: 76.03 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1460635
Ion Ratio Lower Upper
43 100
61 28.7 15.8 23.6#
87 13.7 10.3 15.5

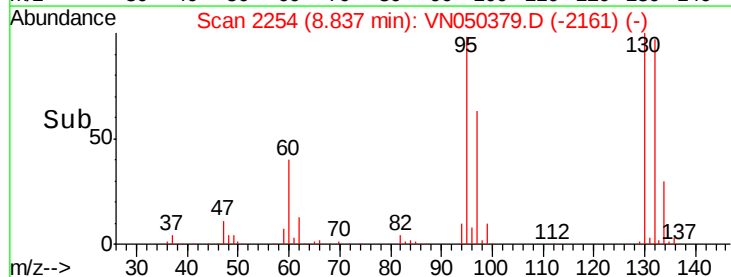
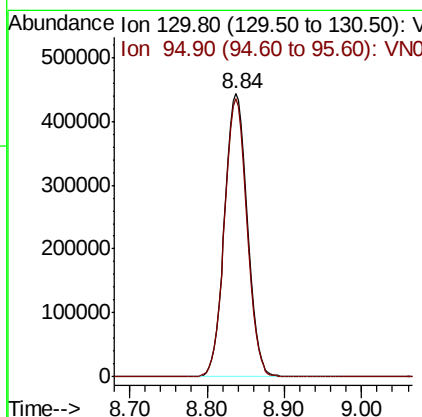
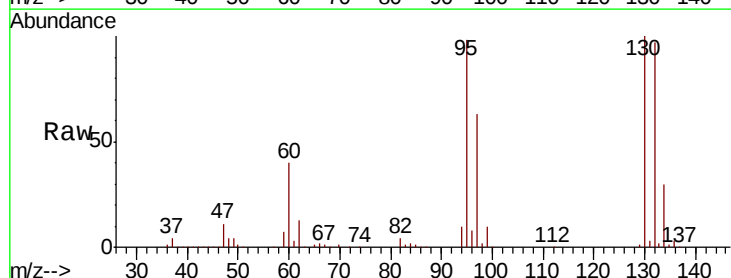
Manual Integrations
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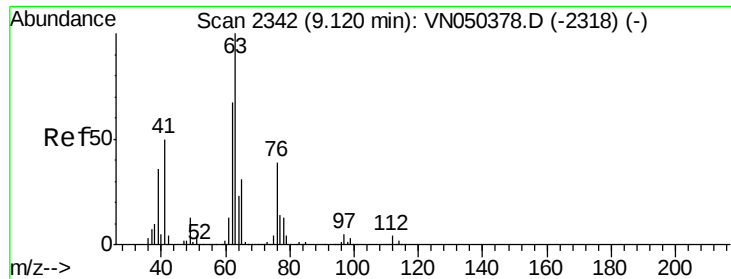
MMDadoda
8/7/2018 9:58:10 AM



#44
Trichloroethene
Concen: 97.19 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion:130 Resp: 904679
Ion Ratio Lower Upper
130 100
95 98.4 0.0 194.6





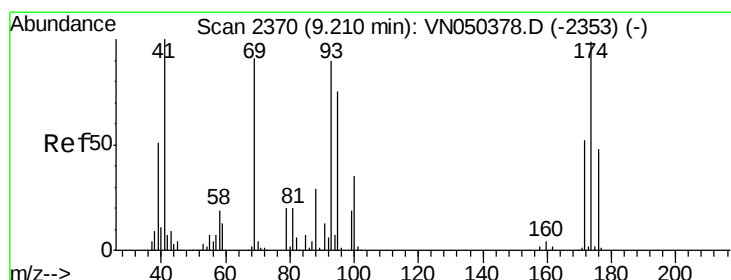
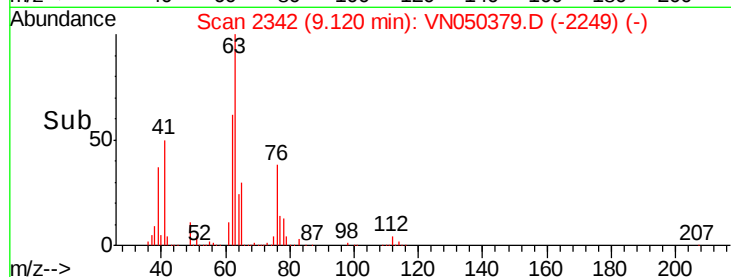
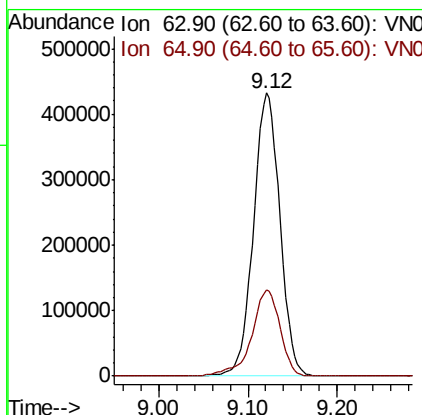
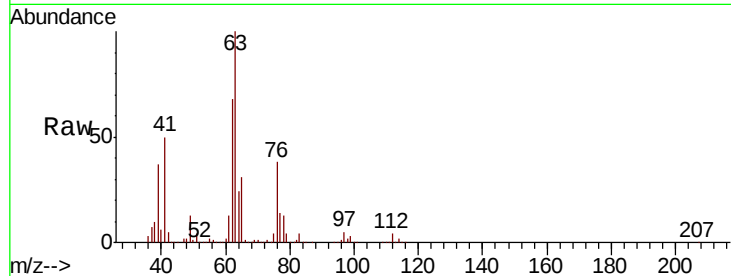
#45
 1,2-Dichloropropane
 Concen: 97.56 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

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

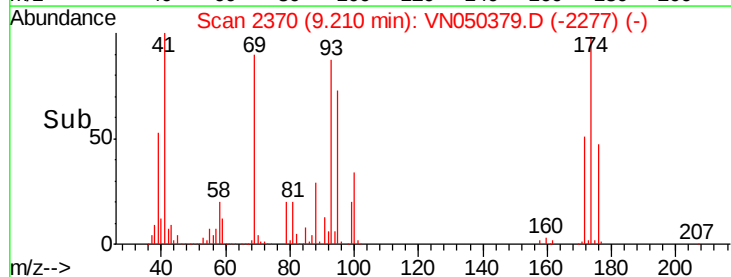
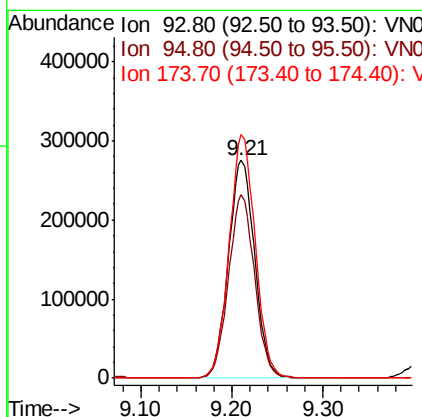
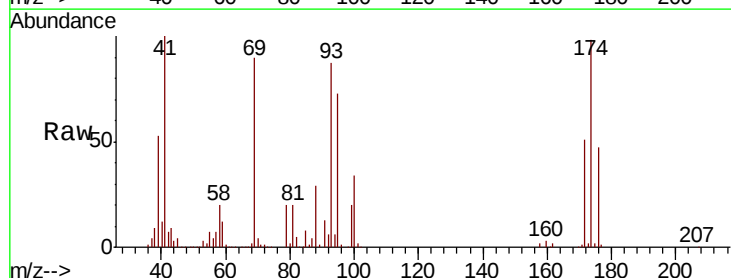
Manual Integrations
 APPROVED

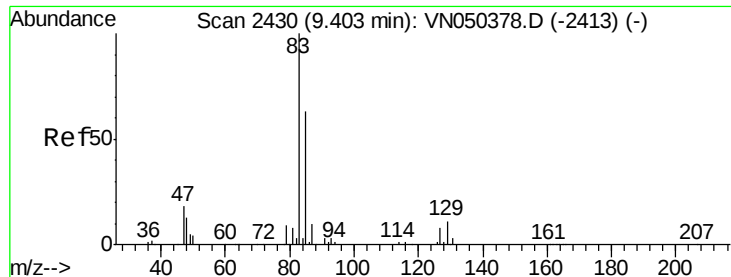
MMDadoda
 8/7/2018 9:58:10 AM



#46
 Dibromomethane
 Concen: 97.34 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

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





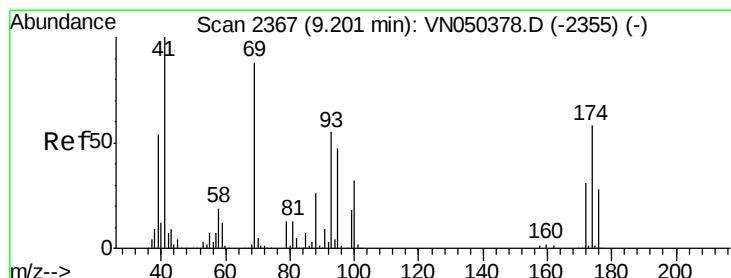
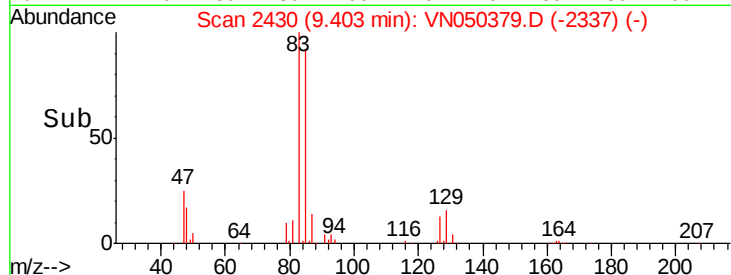
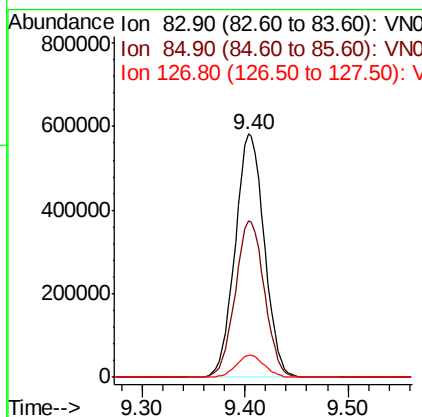
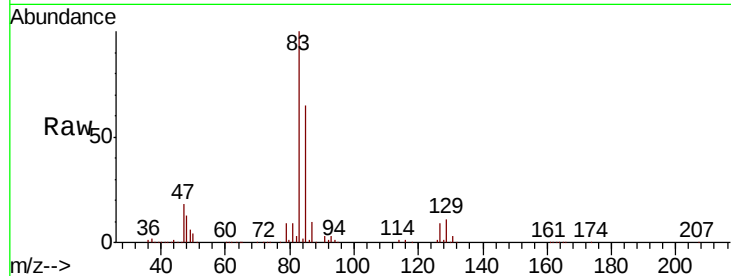
#47
Bromodichloromethane
Concen: 95.45 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	85	127
Resp	1147674		
Ratio	100	64.5	9.0
Lower		51.1	7.0
Upper		76.7	10.4

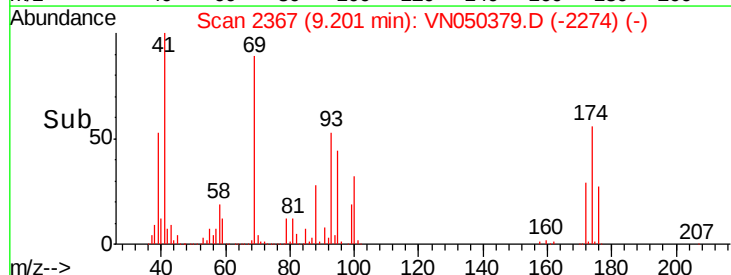
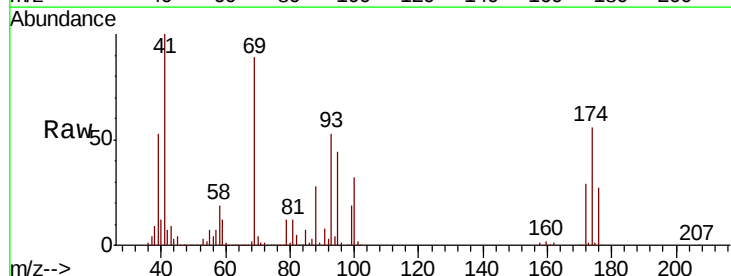
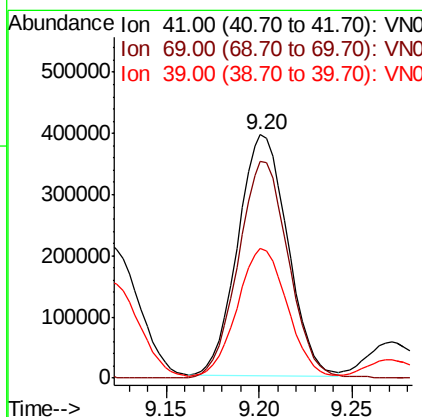
Manual Integrations
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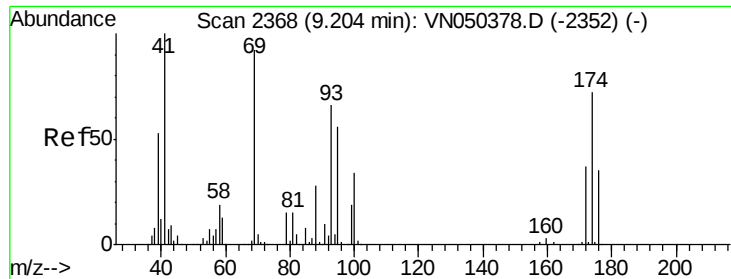
MMDadoda
8/7/2018 9:58:10 AM



#48
Methyl methacrylate
Concen: 107.13 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion	41	69	39
Resp	732254		
Ratio	100	91.3	54.4
Lower		70.6	43.9
Upper		105.8	65.9





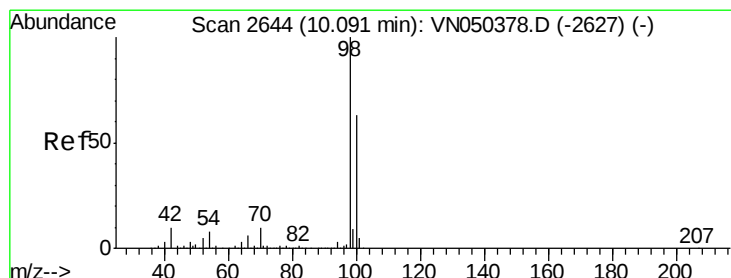
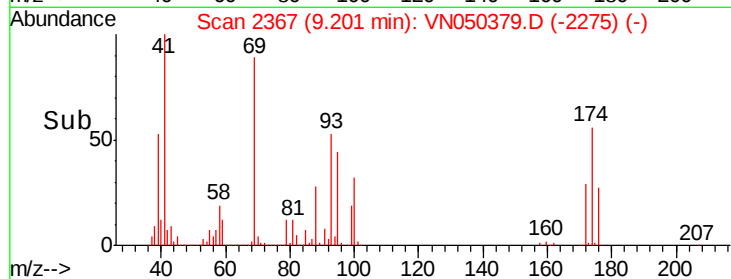
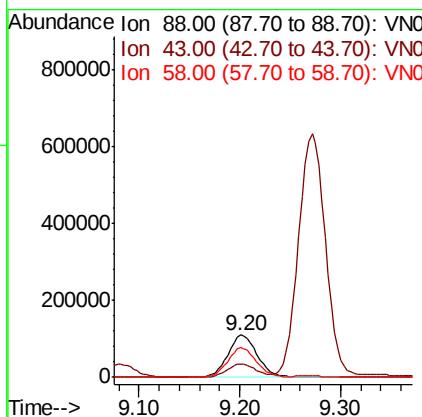
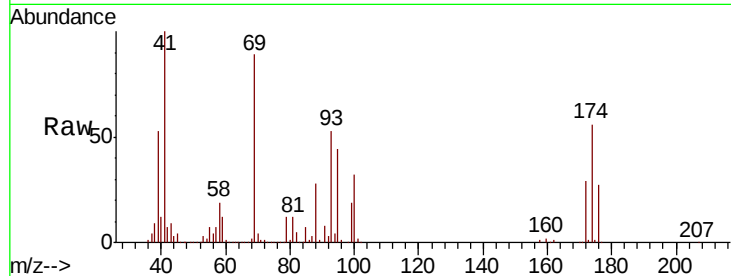
#49
1,4-Dioxane
Concen: 2425.95 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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

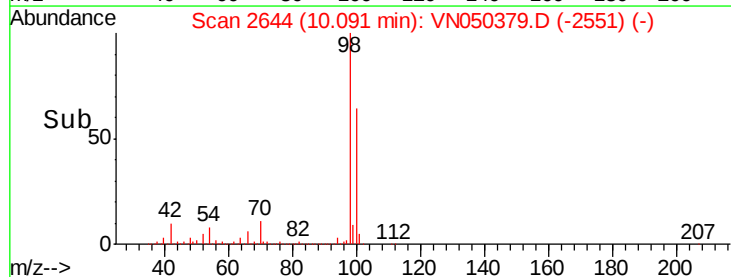
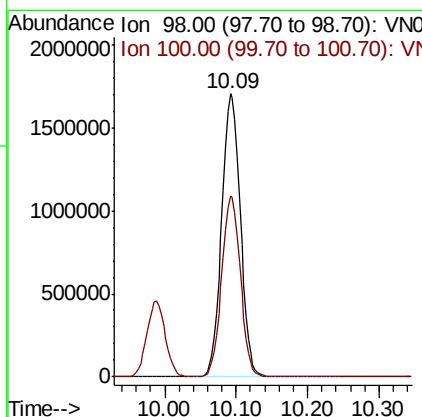
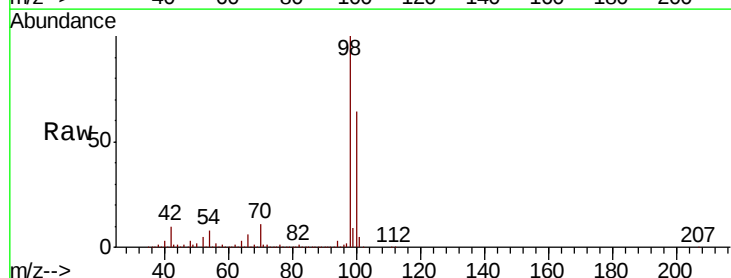
Manual Integrations
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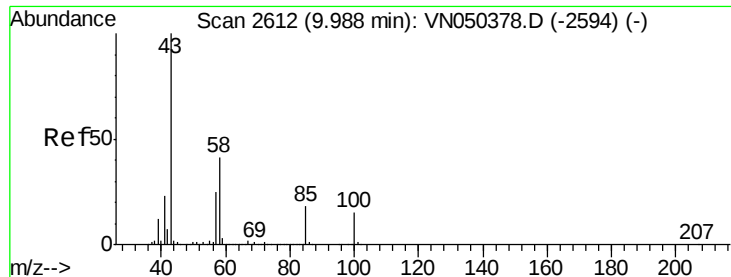
MMDadoda
8/7/2018 9:58:10 AM



#50
Toluene-d8
Concen: 102.13 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

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





#51

4-Methyl-2-Pentanone

Concen: 684.73 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 5342365

Ion Ratio Lower Upper

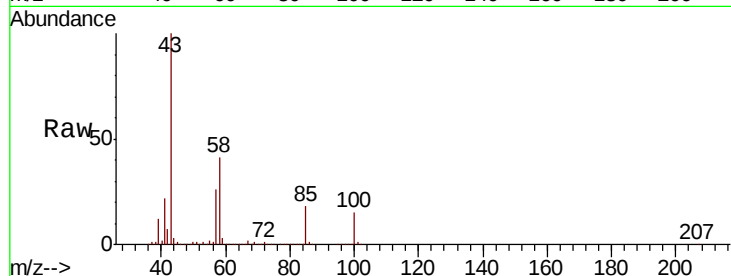
43 100

58 40.6 31.9 47.9

Manual Integrations
APPROVED

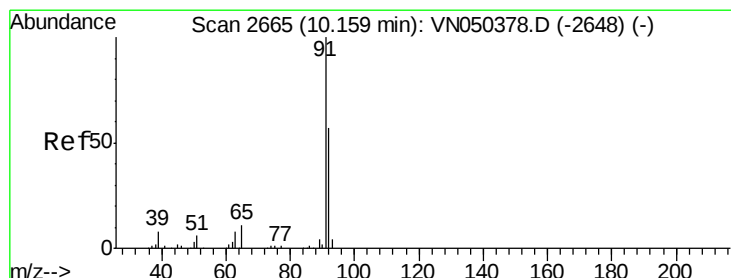
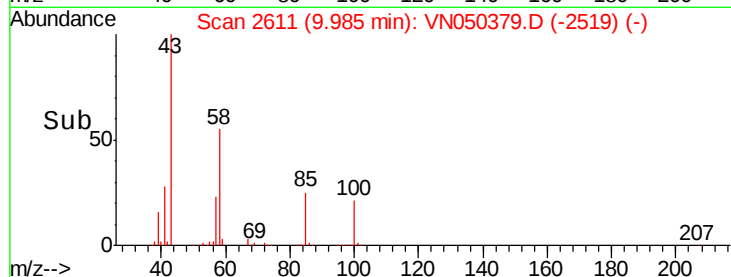
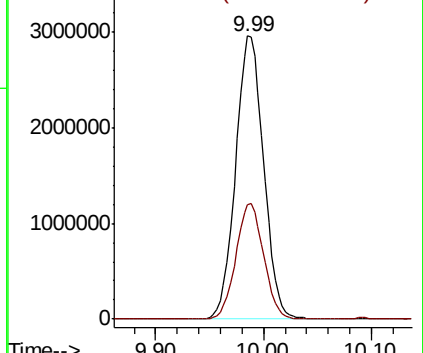
MMDadoda

8/7/2018 9:58:10 AM



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

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



#52

Toluene

Concen: 105.43 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050379.D

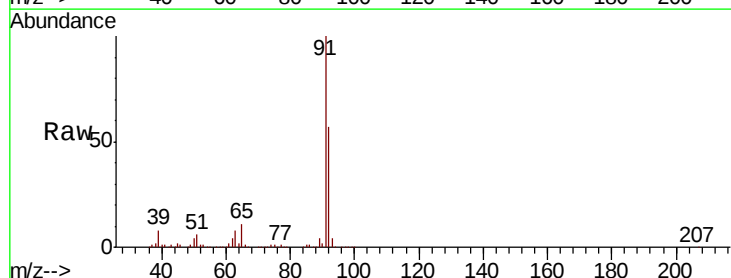
Acq: 6 Aug 2018 12:49

Tgt Ion: 92 Resp: 2155782

Ion Ratio Lower Upper

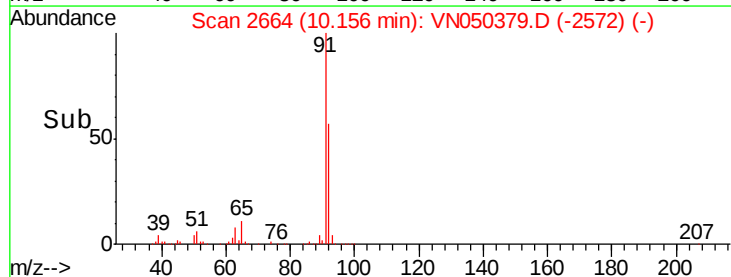
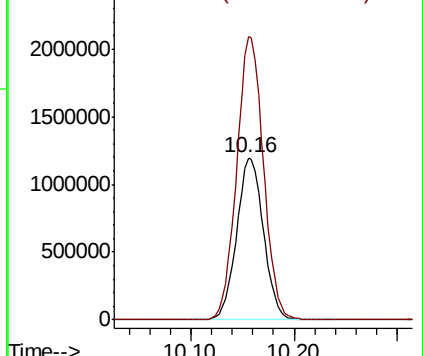
92 100

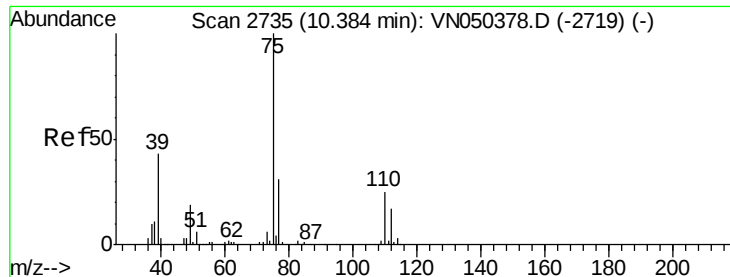
91 175.4 140.3 210.5



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

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





#53

t-1,3-Dichloropropene

Concen: 110.22 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 1250617

Ion Ratio Lower Upper

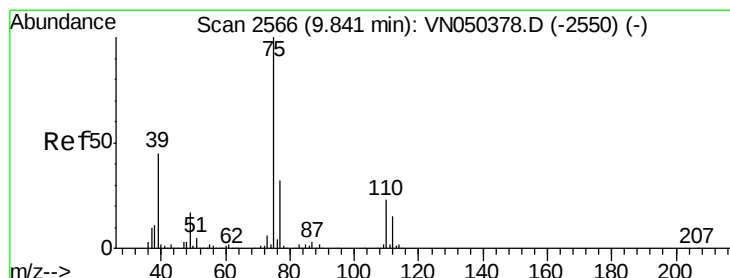
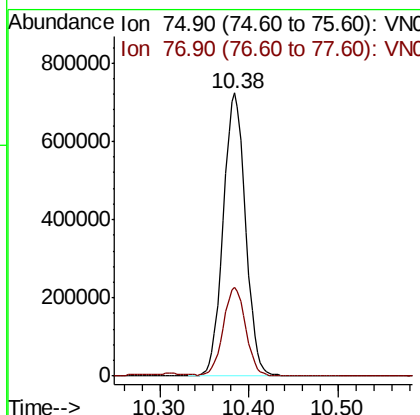
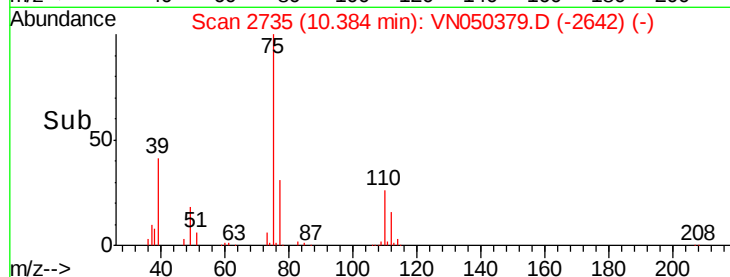
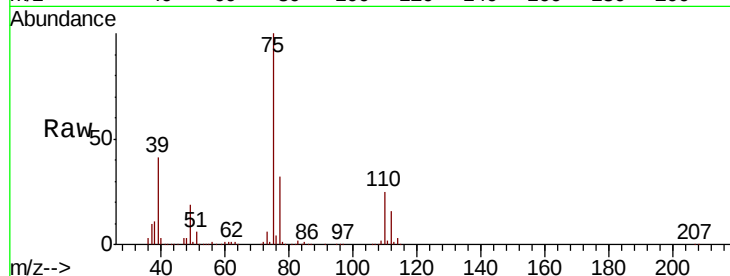
75 100

77 31.4 24.9 37.3

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 106.05 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

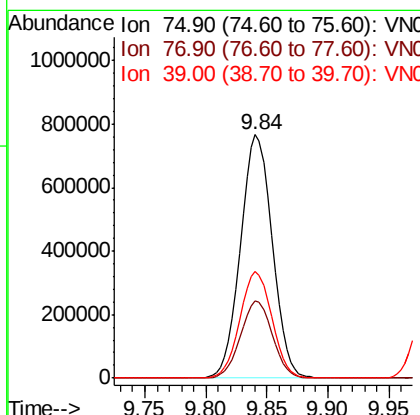
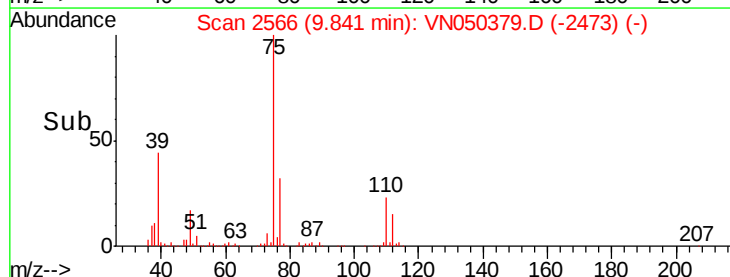
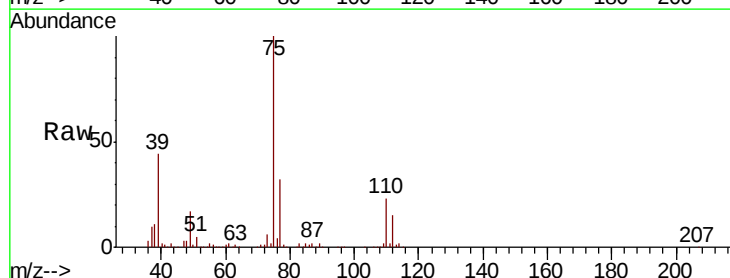
Tgt Ion: 75 Resp: 1375107

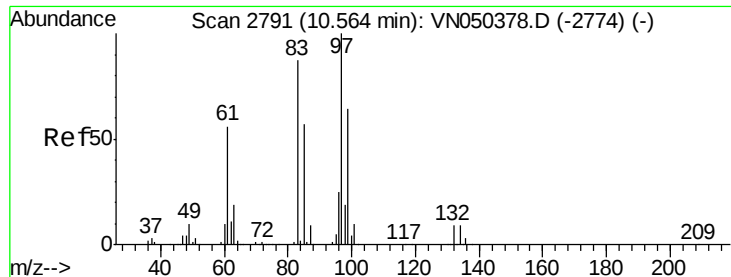
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 43.7 36.6 55.0





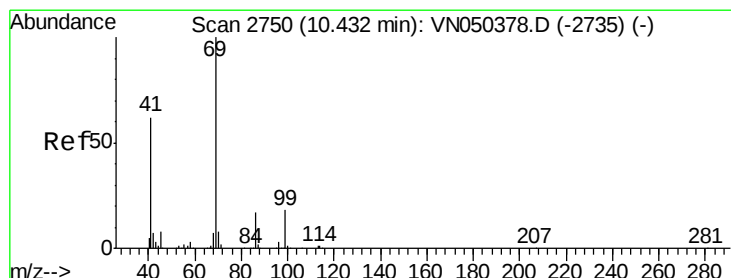
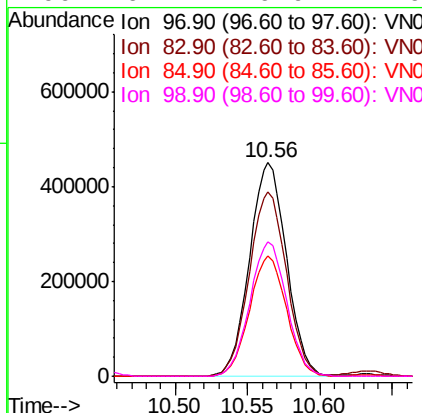
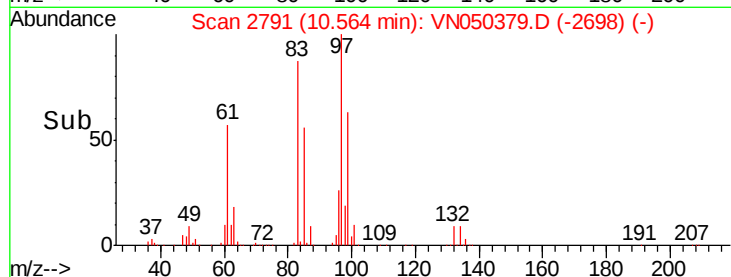
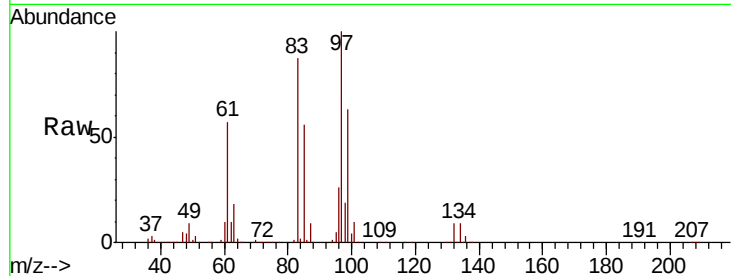
#55
 1,1,2-Trichloroethane
 Concen: 98.69 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

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

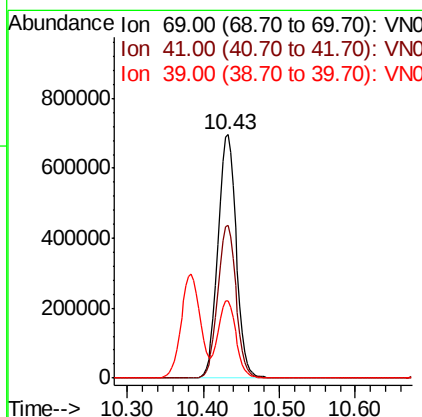
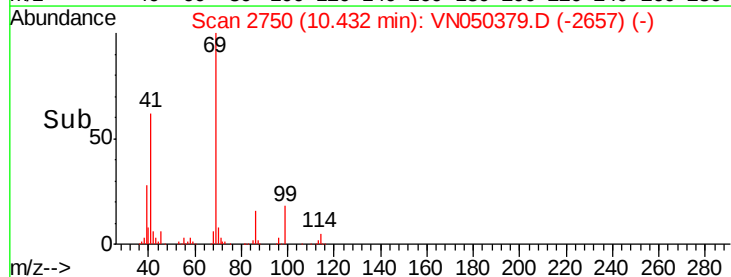
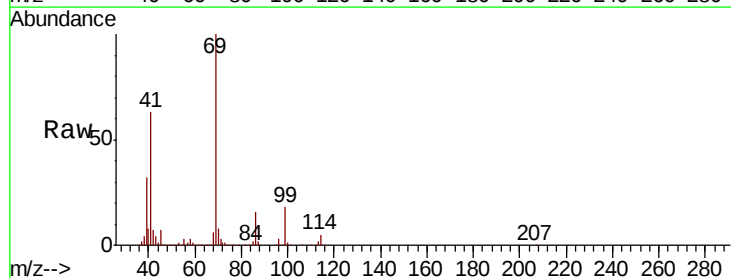
Manual Integrations
 APPROVED

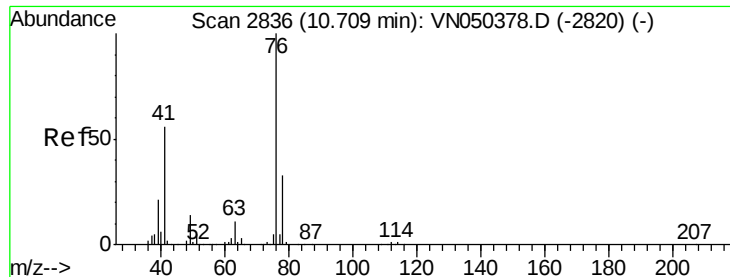
MMDadoda
 8/7/2018 9:58:10 AM



#56
 Ethyl methacrylate
 Concen: 120.85 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

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





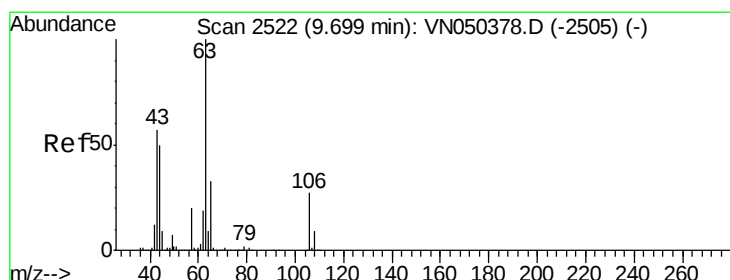
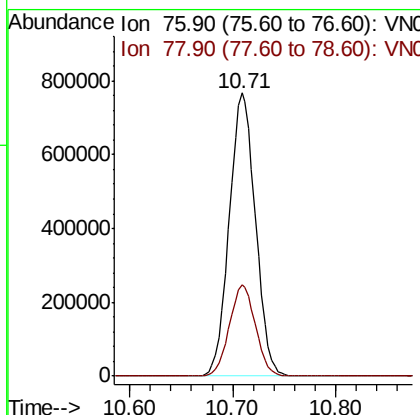
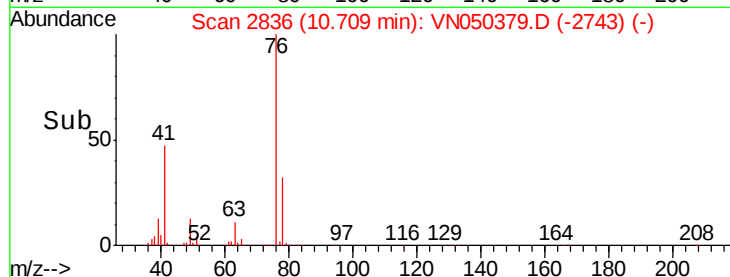
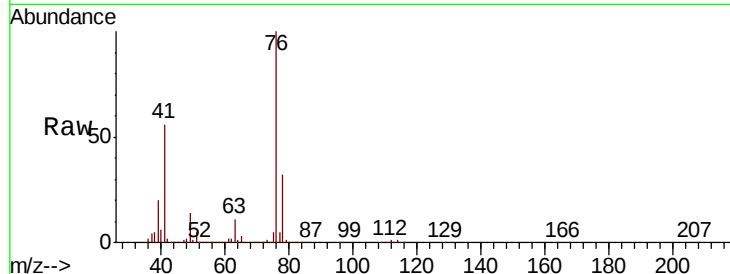
#57
 1,3-Dichloropropane
 Concen: 102.75 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 1357065
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

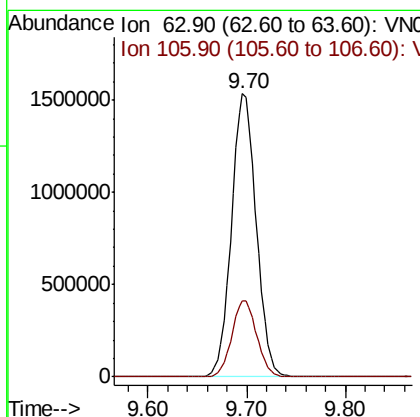
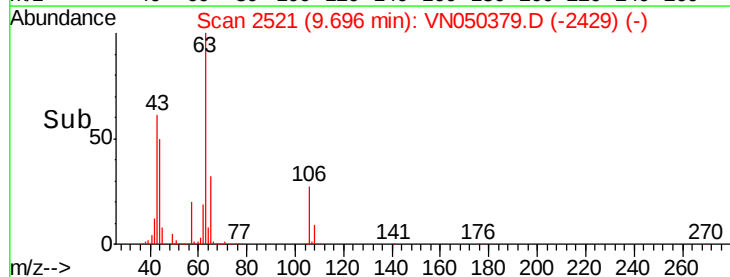
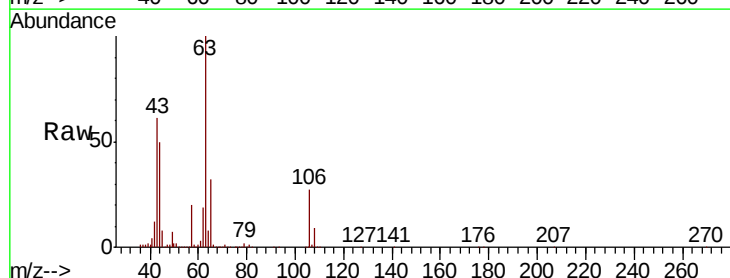
Manual Integrations
 APPROVED

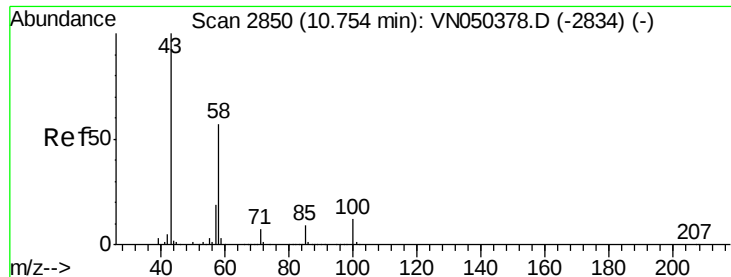
MMDadoda
 8/7/2018 9:58:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 601.54 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Tgt Ion: 63 Resp: 2682717
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5





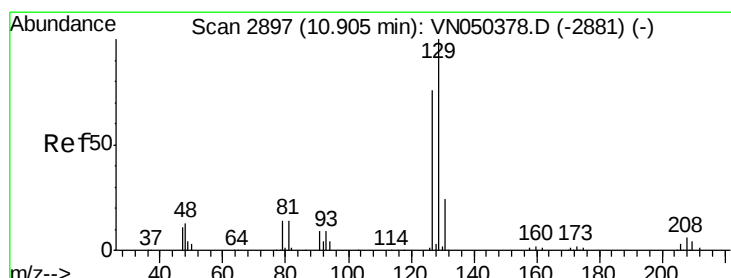
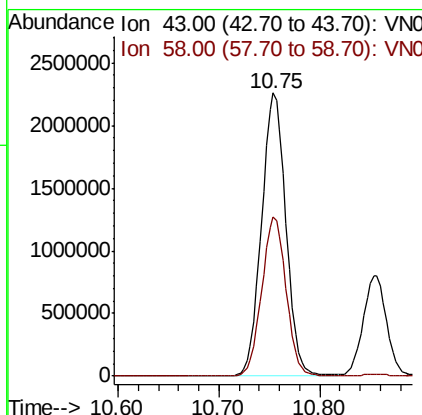
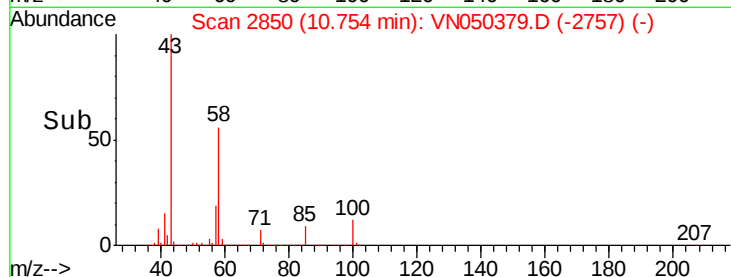
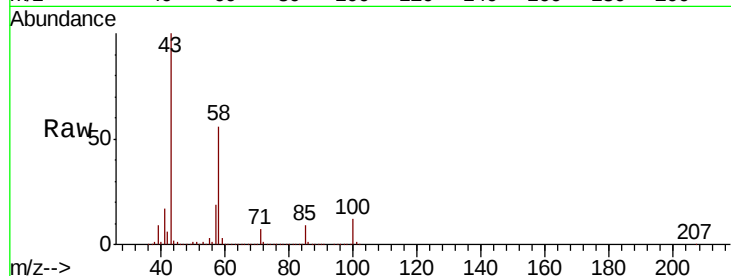
#59
2-Hexanone
Concen: 737.68 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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

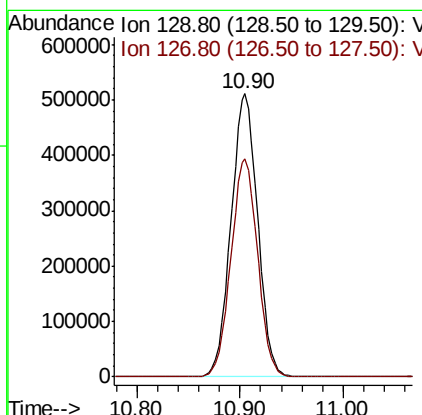
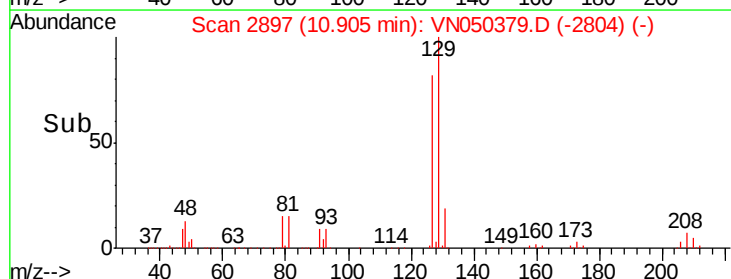
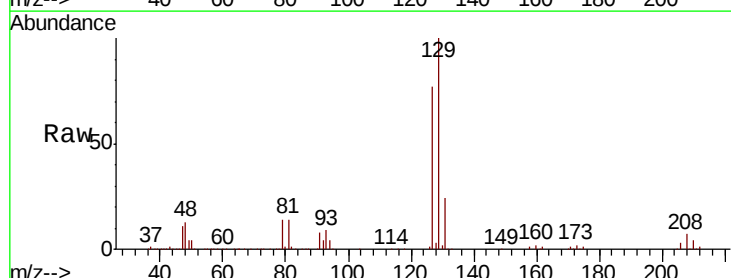
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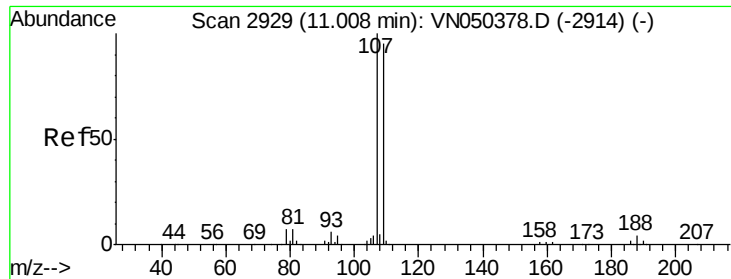
MMDadoda
8/7/2018 9:58:10 AM



#60
Dibromochloromethane
Concen: 102.15 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

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





#61

1,2-Dibromoethane

Concen: 103.22 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 830637

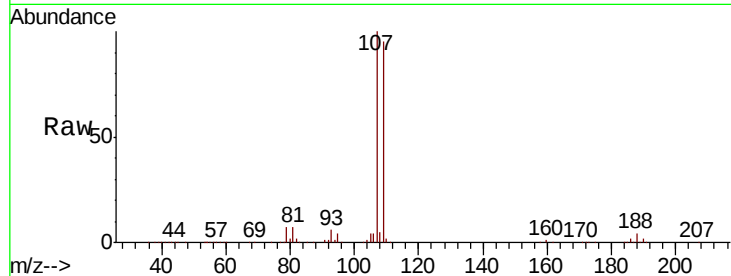
Ion Ratio Lower Upper

107 100

109 94.9 74.6 112.0

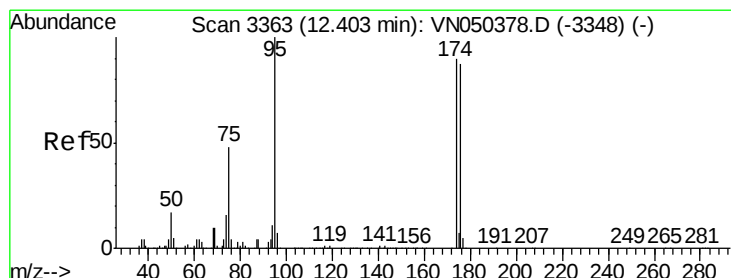
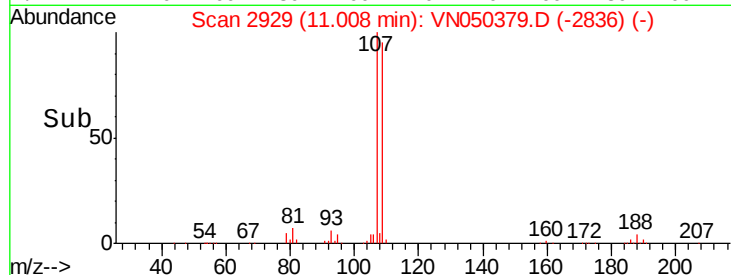
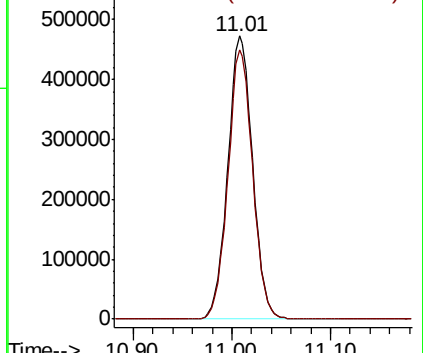
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 110.65 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

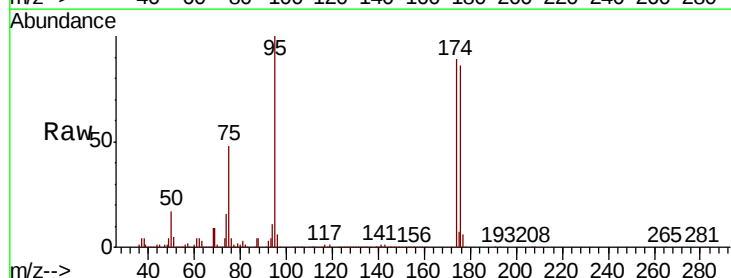
Tgt Ion: 95 Resp: 1105061

Ion Ratio Lower Upper

95 100

174 89.6 0.0 178.2

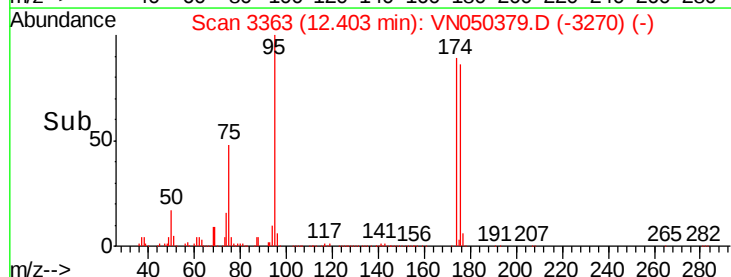
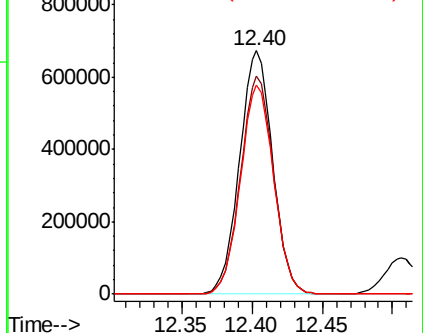
176 86.6 0.0 173.4

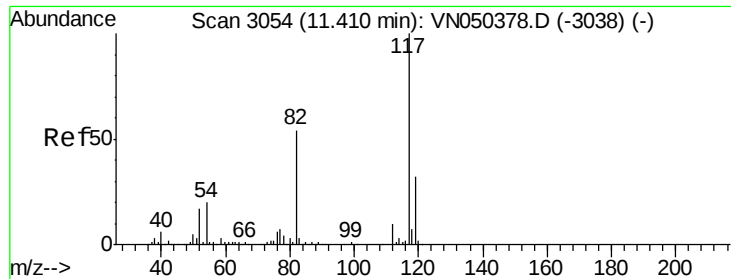


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





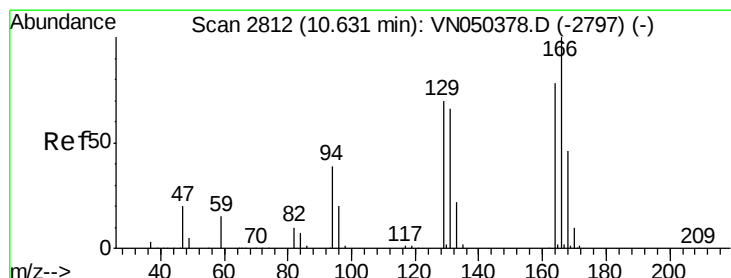
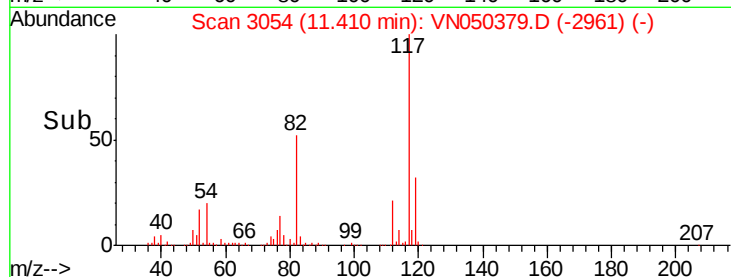
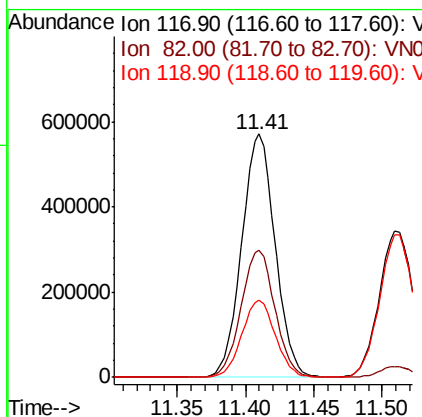
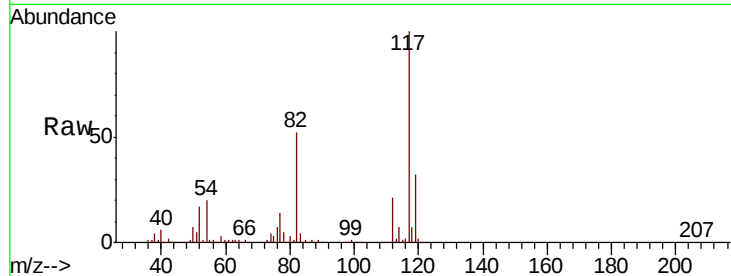
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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

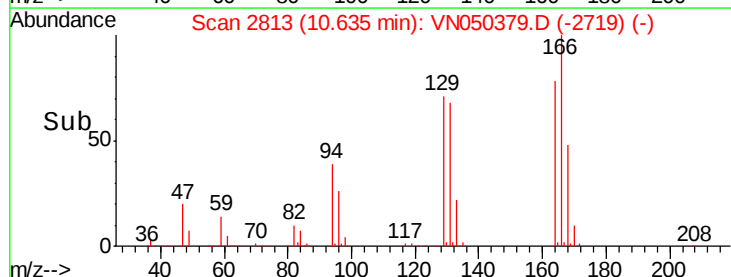
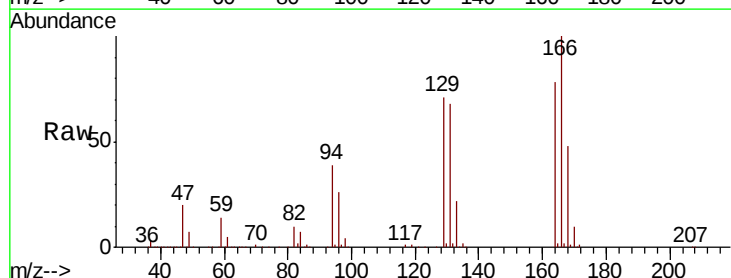
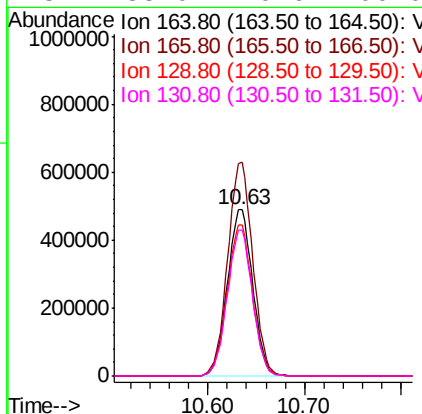
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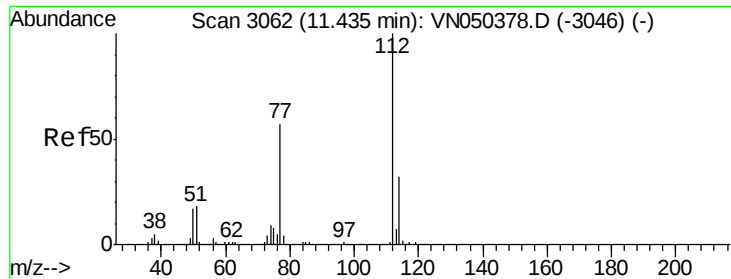
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#64
Tetrachloroethene
Concen: 94.97 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

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





#65

Chlorobenzene

Concen: 96.69 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:112 Resp: 2373614

Ion Ratio Lower Upper

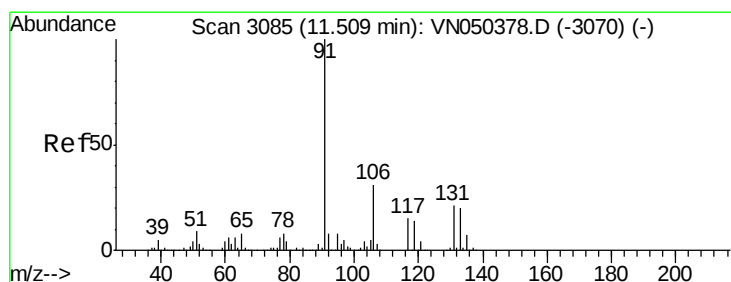
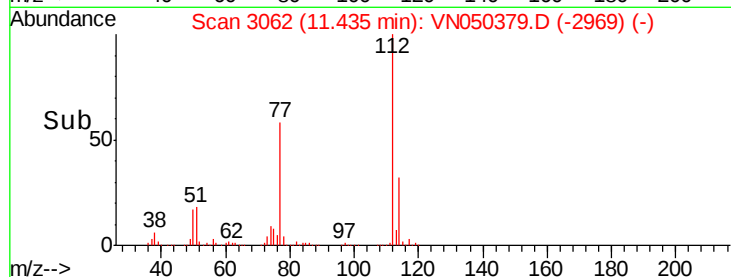
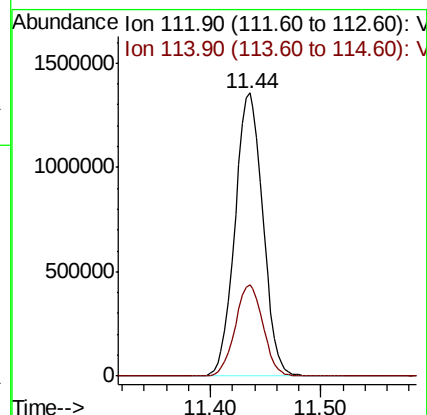
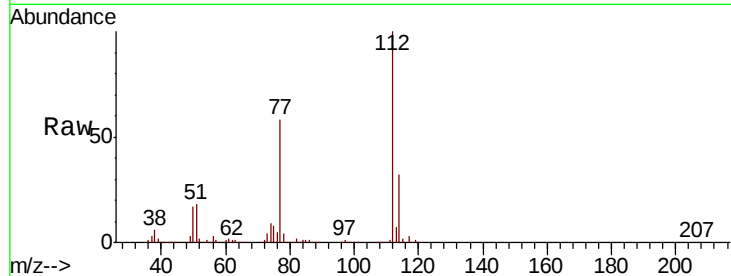
112 100

114 32.2 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 92.44 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

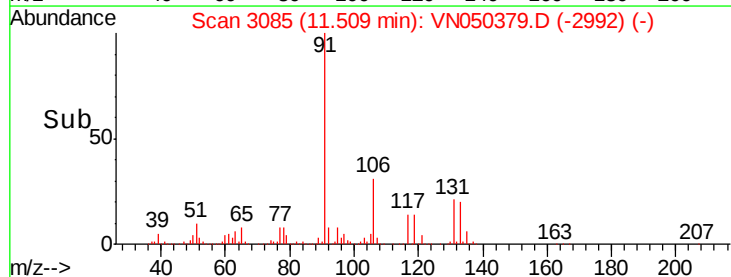
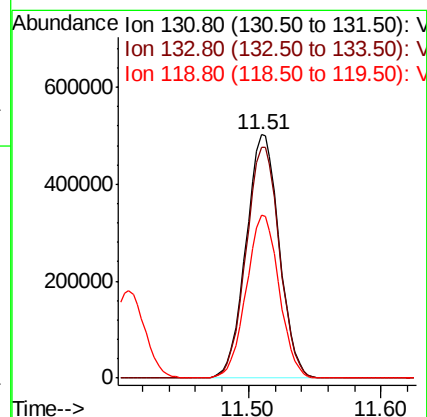
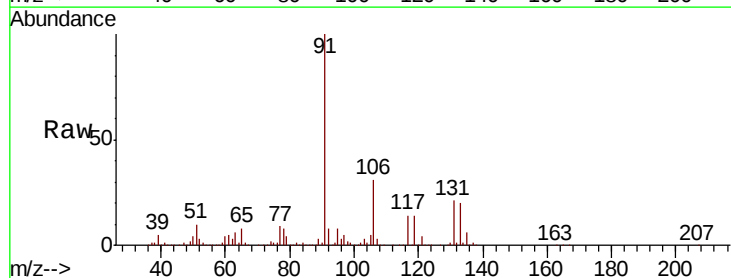
Tgt Ion:131 Resp: 871951

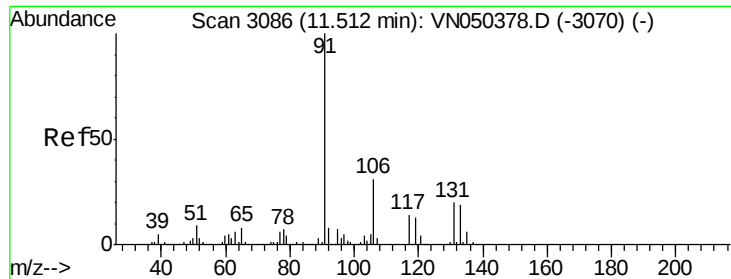
Ion Ratio Lower Upper

131 100

133 95.6 47.3 141.9

119 66.3 32.9 98.7





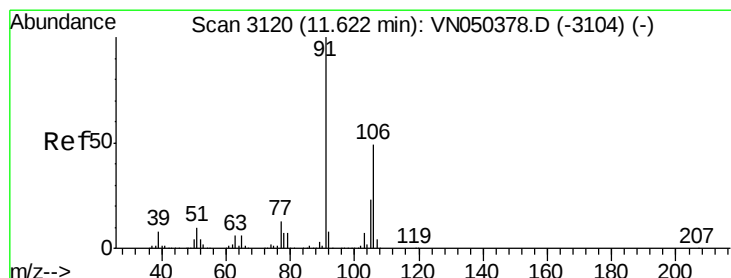
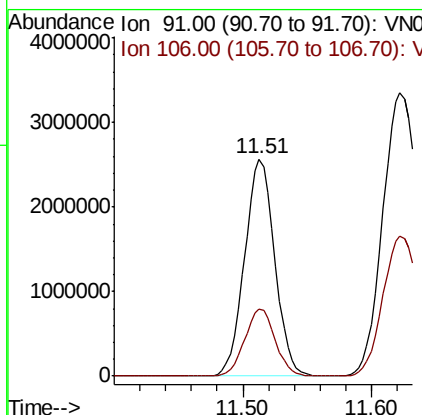
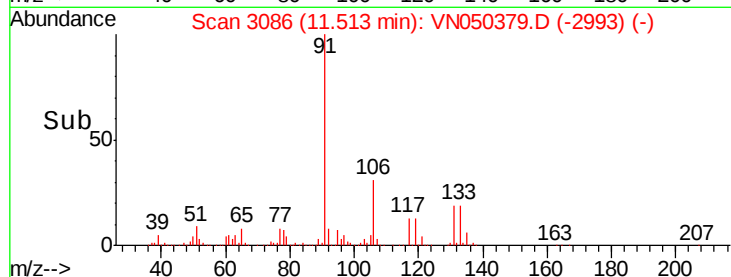
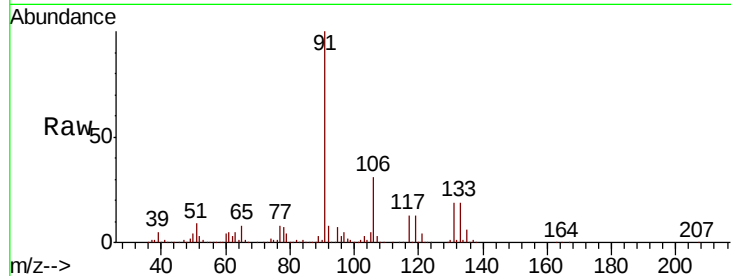
#67
Ethyl Benzene
Concen: 105.85 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 4174171
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4

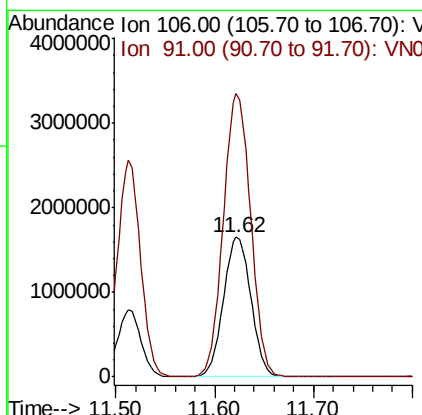
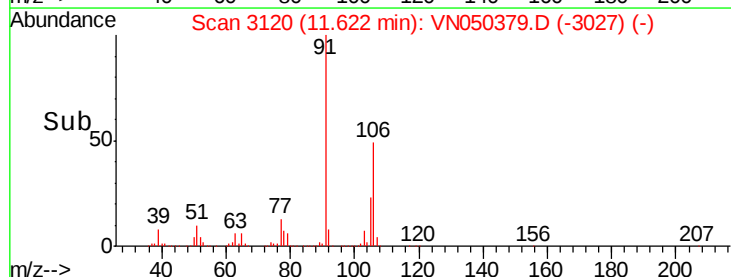
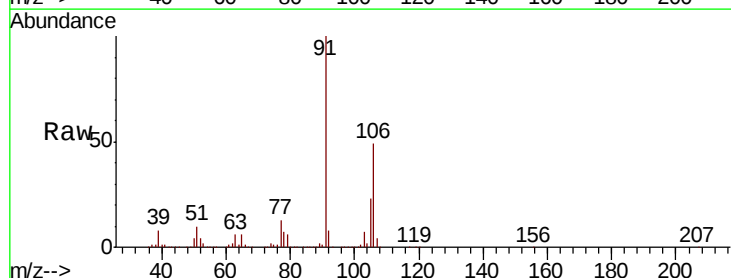
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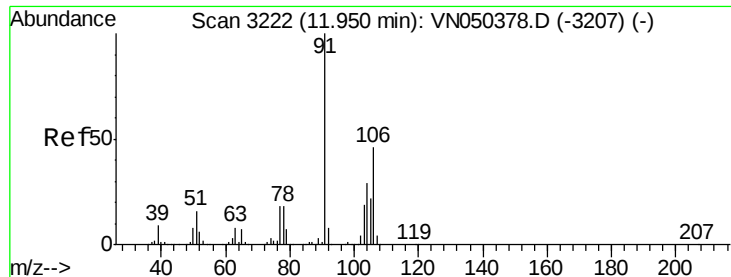
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#68
m/p-Xylenes
Concen: 215.66 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion: 106 Resp: 3216866
Ion Ratio Lower Upper
106 100
91 202.2 162.2 243.2





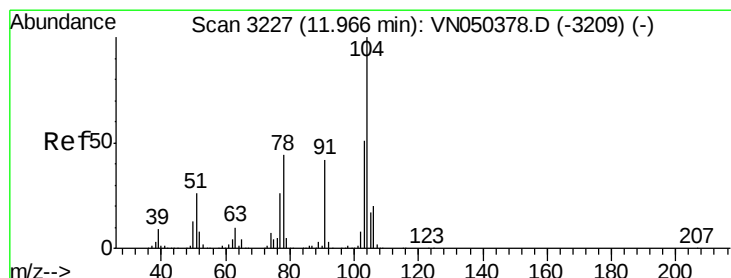
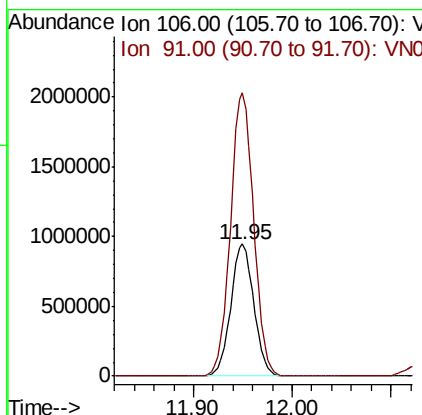
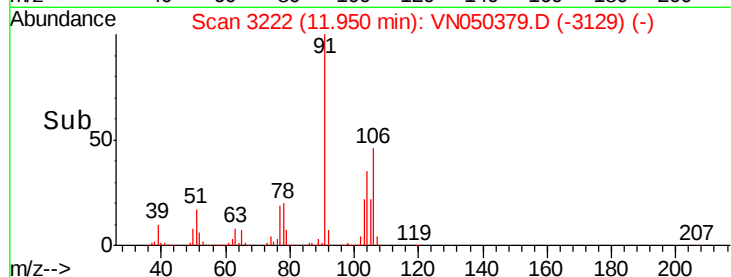
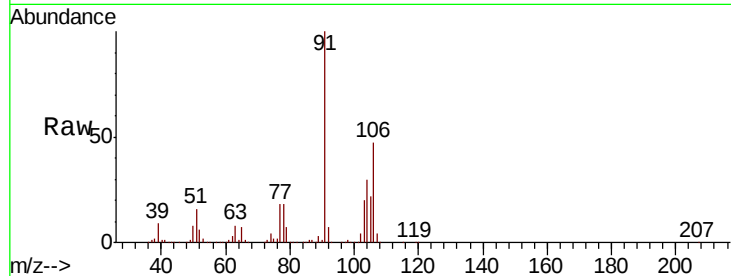
#69
o-Xylene
Concen: 108.56 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

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

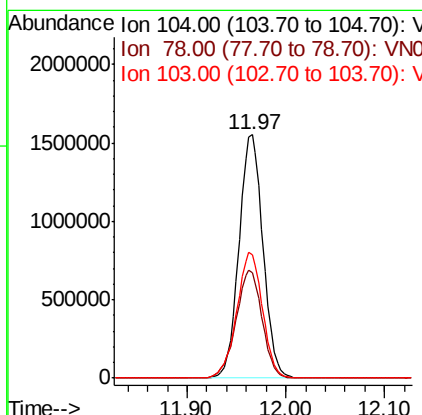
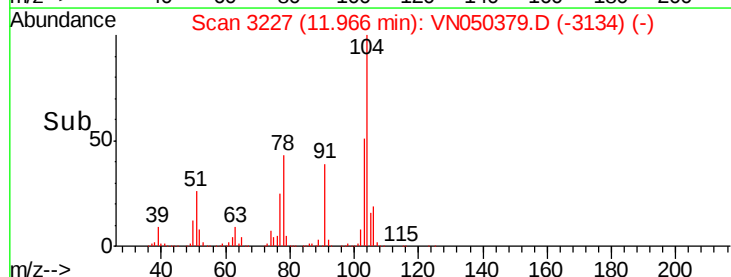
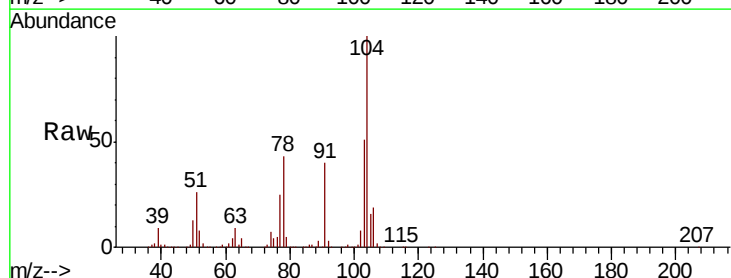
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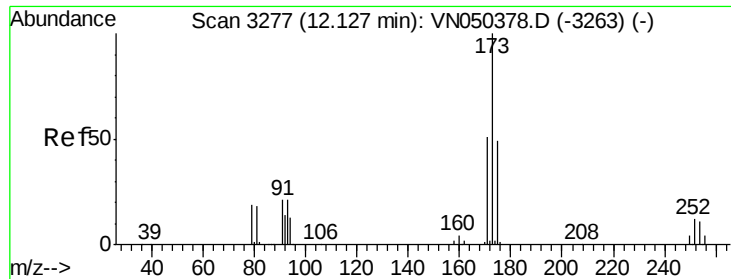
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#70
Styrene
Concen: 115.75 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

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





#71

Bromoform

Concen: 99.47 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 682489

Ion Ratio Lower Upper

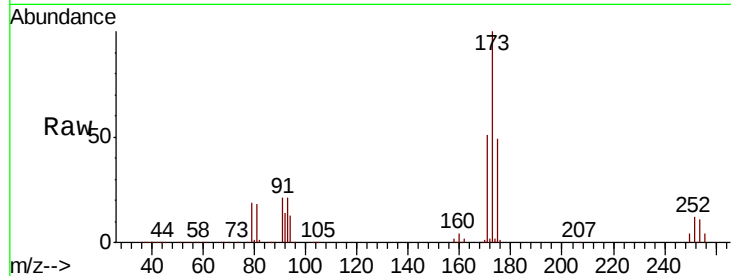
173 100

175 48.8 24.1 72.2

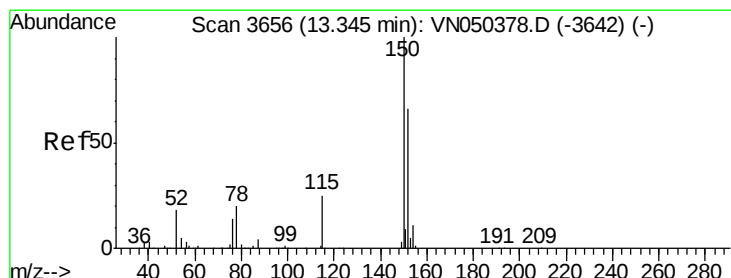
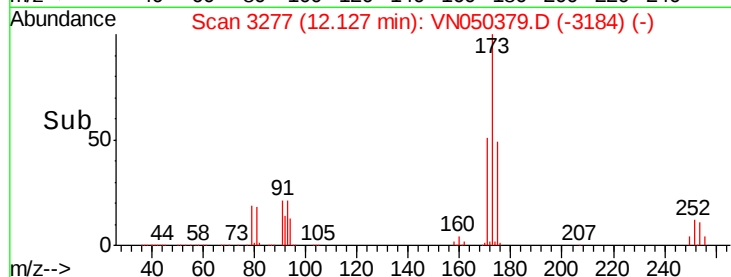
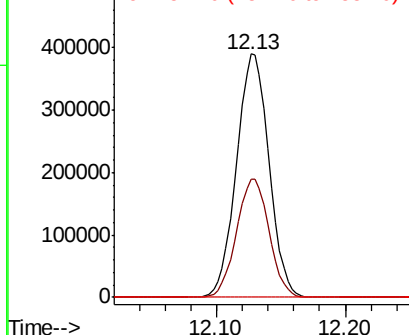
254 0.1 0.2 0.2#

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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: VN050379.D

Acq: 6 Aug 2018 12:49

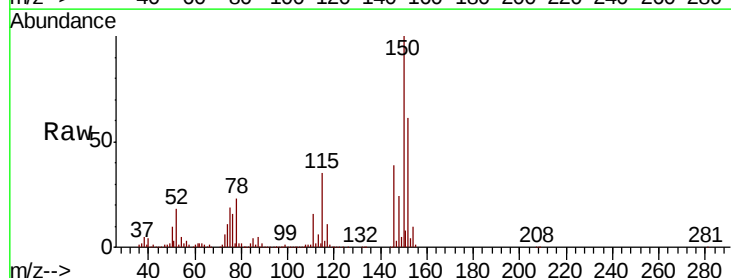
Tgt Ion:152 Resp: 545417

Ion Ratio Lower Upper

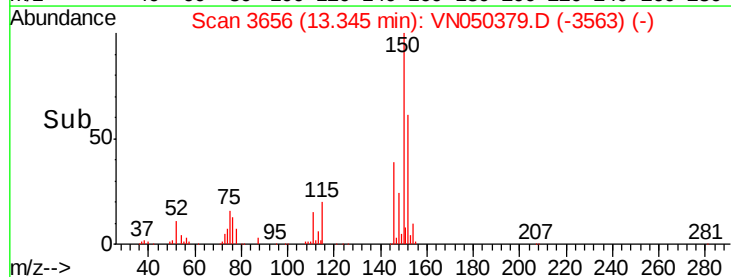
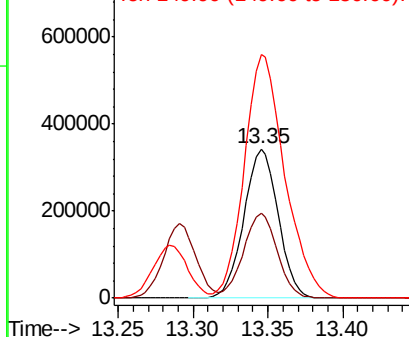
152 100

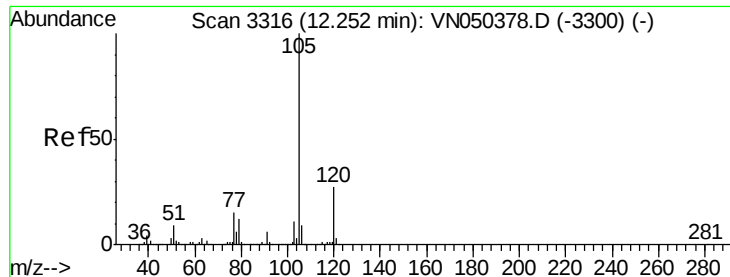
115 56.2 27.8 83.3

150 192.3 0.0 348.6



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





#73

Isopropylbenzene

Concen: 97.37 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampled :

VSTDICC100

Tot Ion:105 Resp: 4118549

Ion Ratio Lower Upper

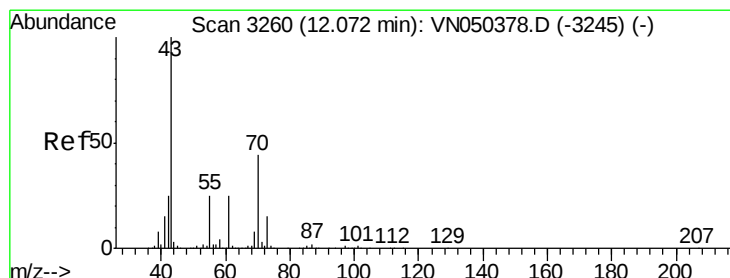
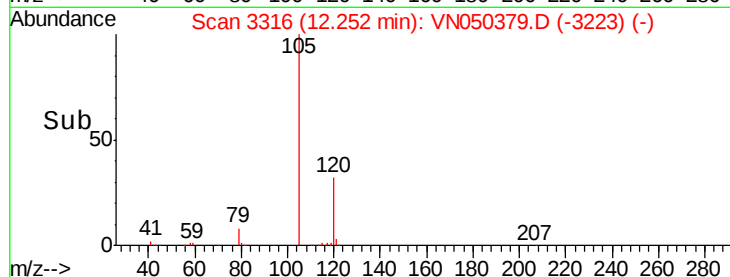
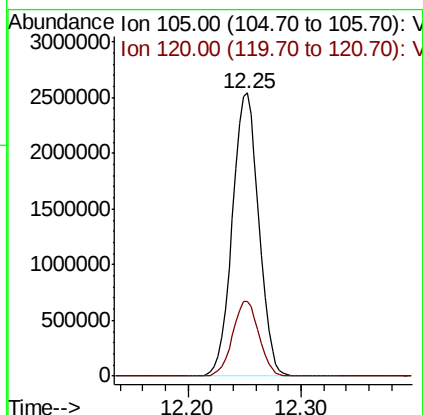
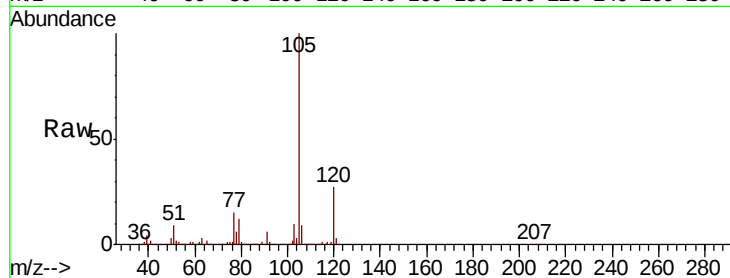
105 100

120 26.5 13.3 39.8

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#74

N-ethyl acetate

Concen: 105.81 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Tgt Ion: 43 Resp: 1367927

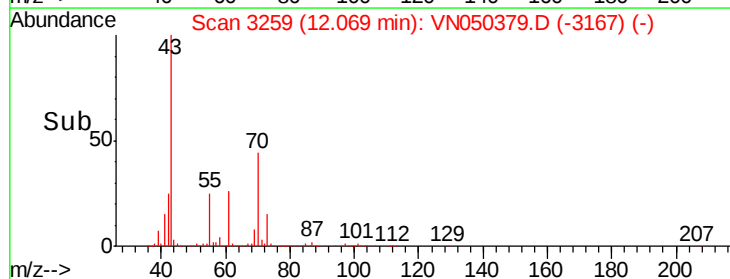
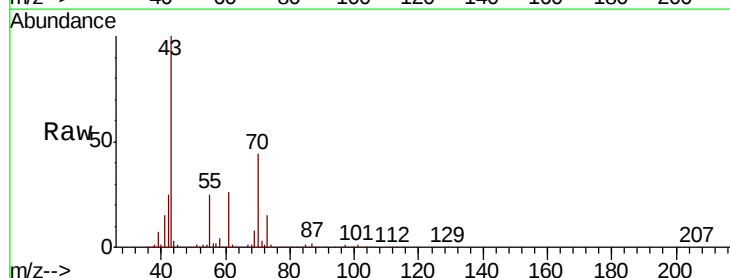
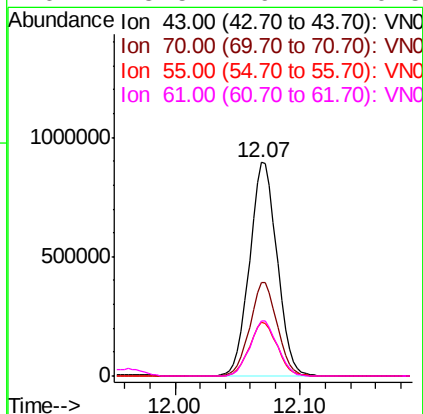
Ion Ratio Lower Upper

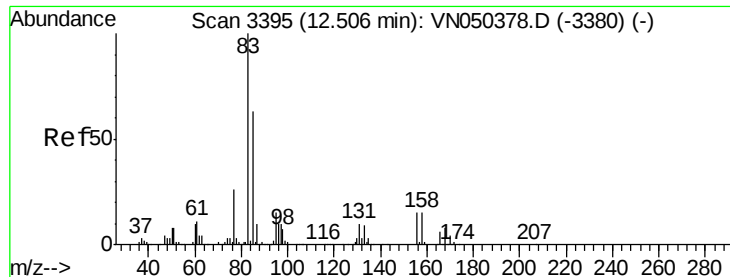
43 100

70 43.5 34.4 51.6

55 25.3 20.8 31.2

61 25.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 85.09 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1100747

Ion Ratio Lower Upper

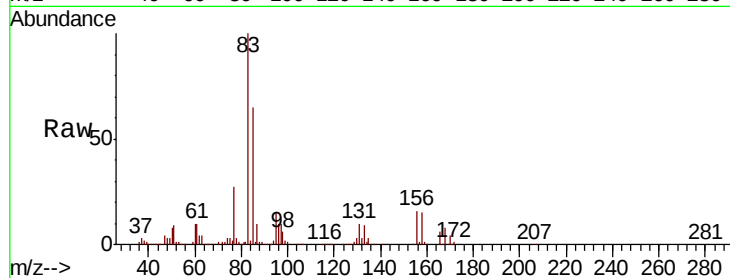
83 100

131 10.3 5.1 15.3

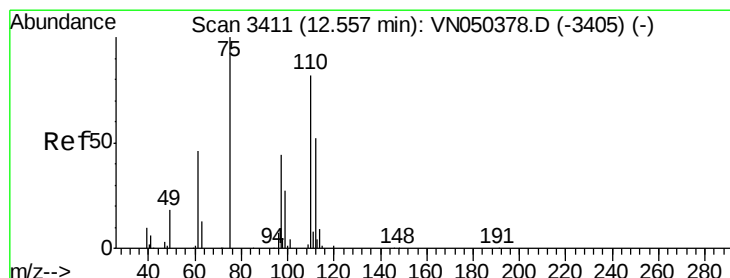
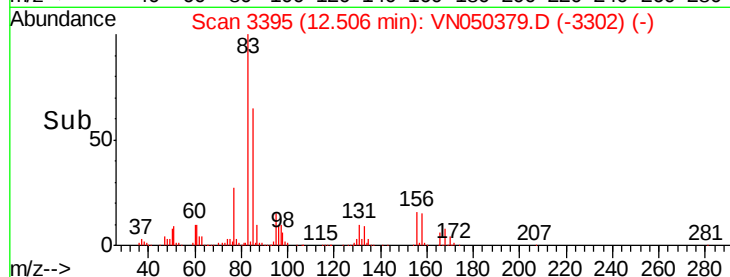
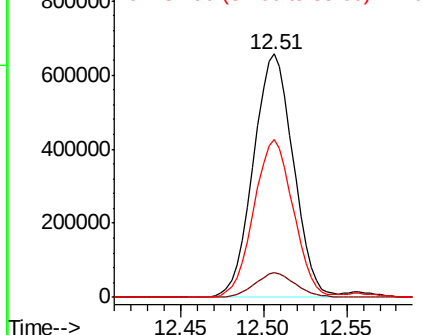
85 64.2 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 87.32 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050379.D

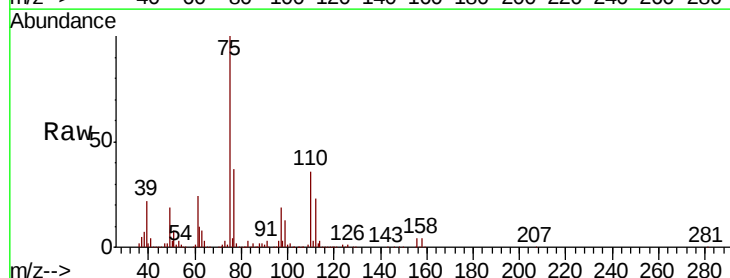
Acq: 6 Aug 2018 12:49

Tgt Ion: 75 Resp: 885051

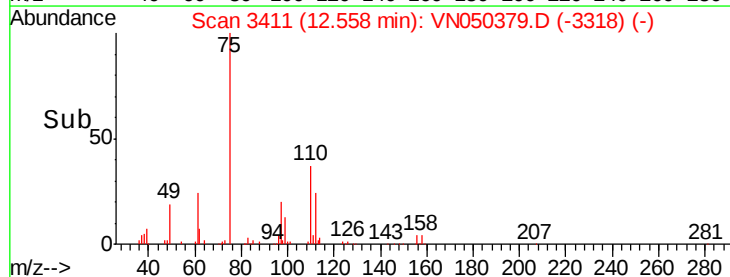
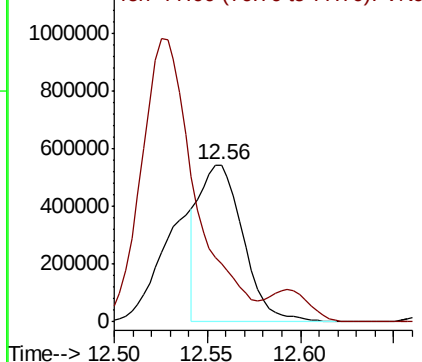
Ion Ratio Lower Upper

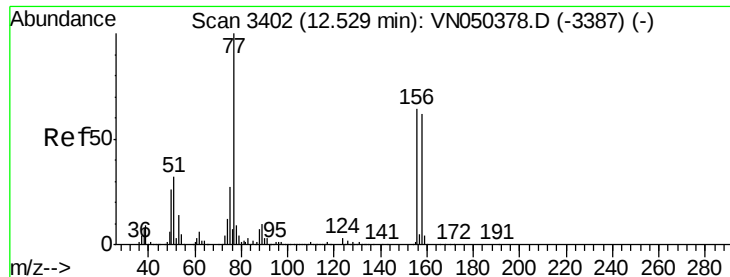
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 91.39 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:156 Resp: 1071397

Ion Ratio Lower Upper

156 100

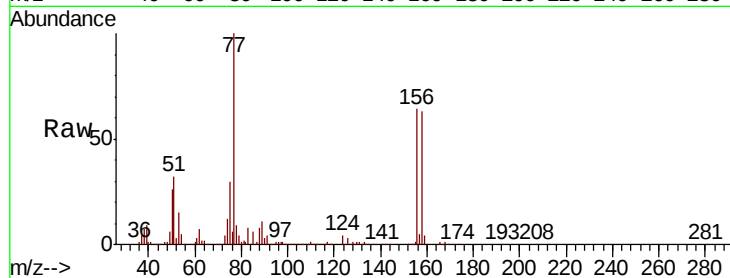
77 184.9 91.7 275.1

158 98.2 48.9 146.6

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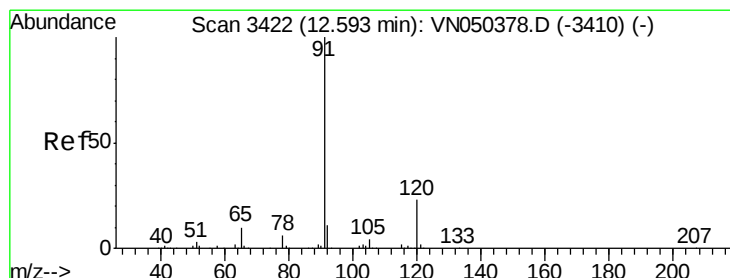
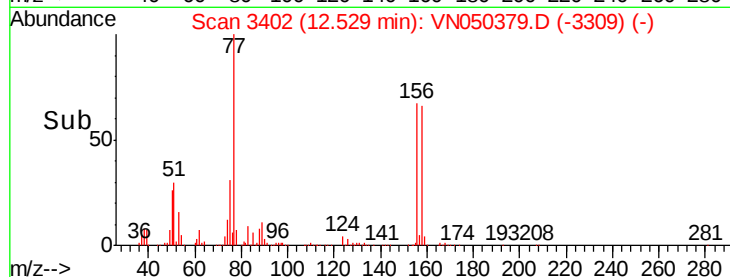
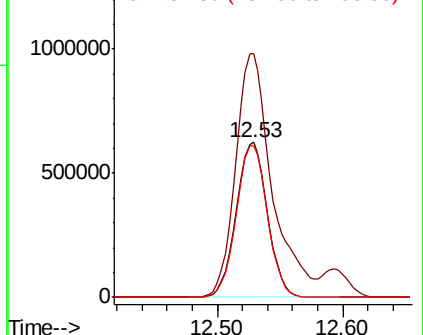
8/7/2018 9:58:10 AM



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: 101.24 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050379.D

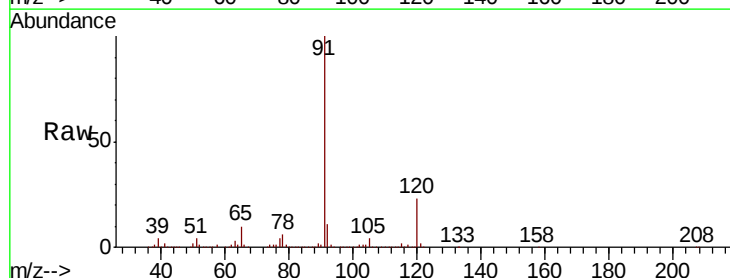
Acq: 6 Aug 2018 12:49

Tgt Ion: 91 Resp: 4786661

Ion Ratio Lower Upper

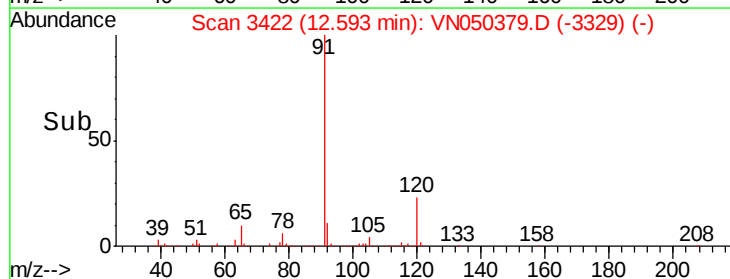
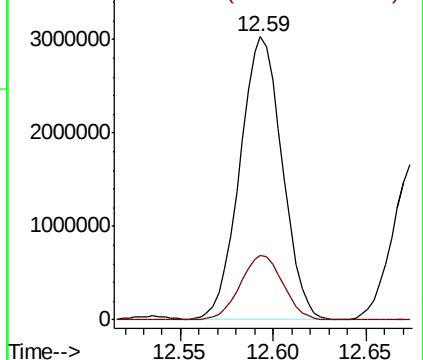
91 100

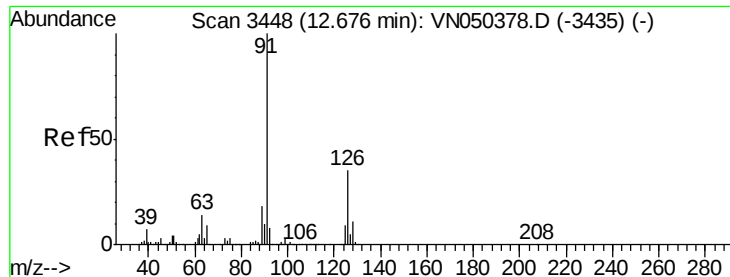
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 96.24 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2820420

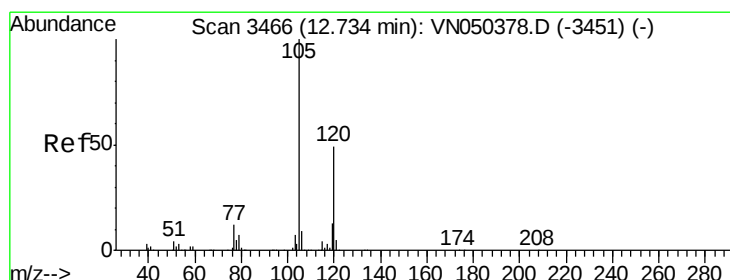
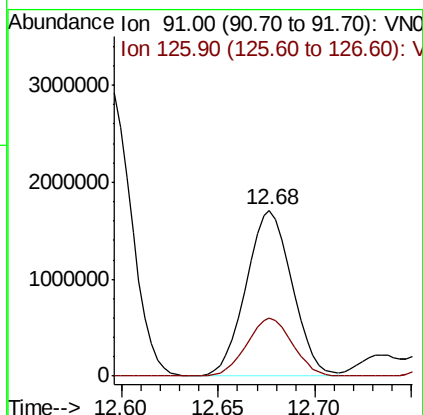
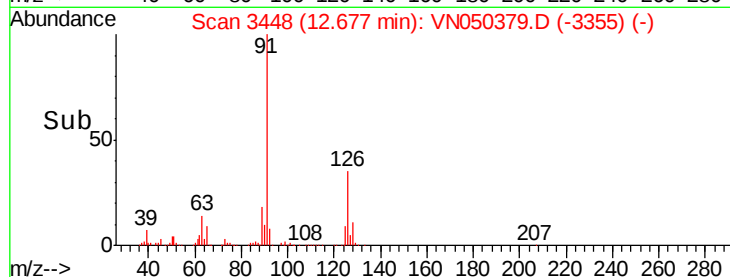
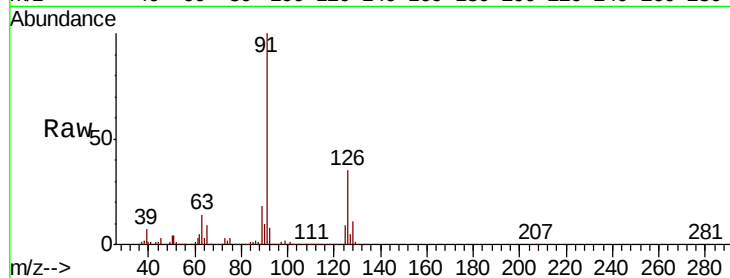
Ion Ratio Lower Upper

91 100

126 35.1 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 103.27 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050379.D

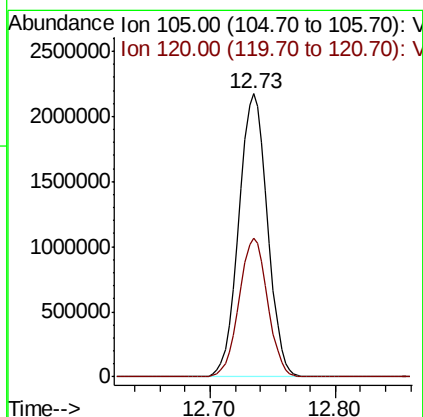
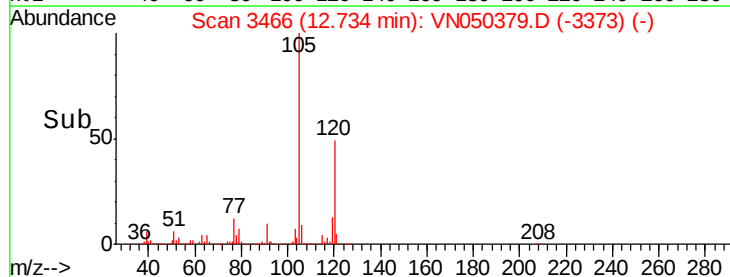
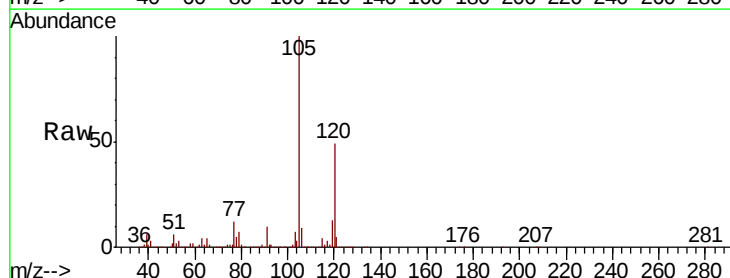
Acq: 6 Aug 2018 12:49

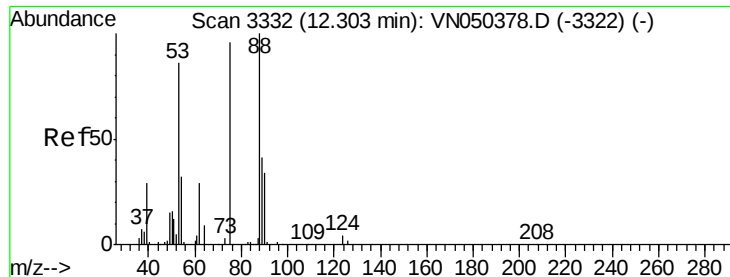
Tgt Ion:105 Resp: 3436137

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 97.73 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

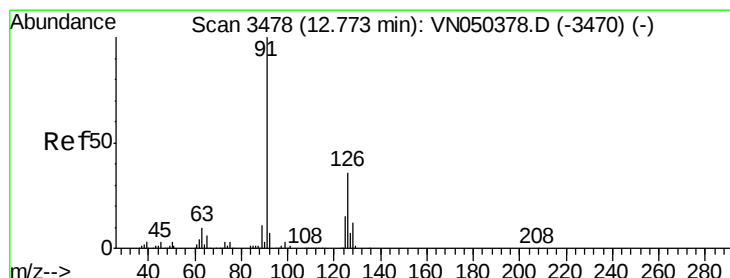
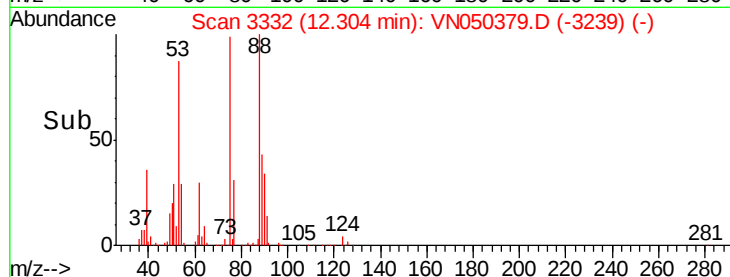
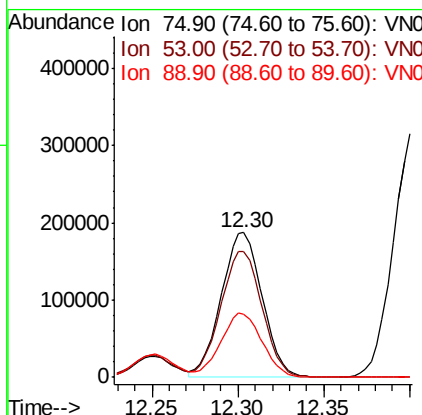
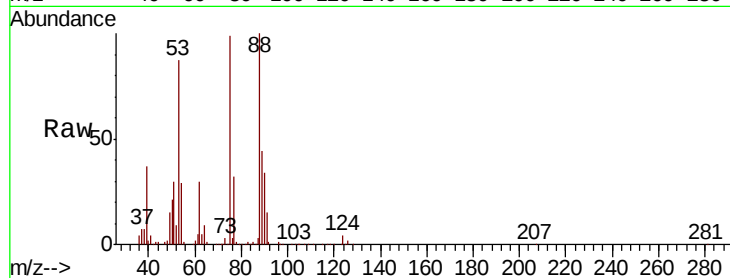
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	312312
Ion	Ratio	Lower	Upper
75	100		
53	88.1	73.5	110.3
89	44.5	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 99.33 ug/l

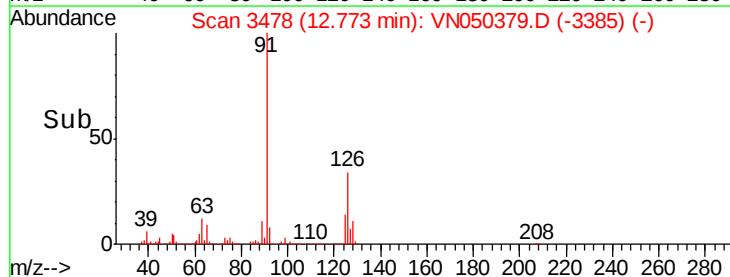
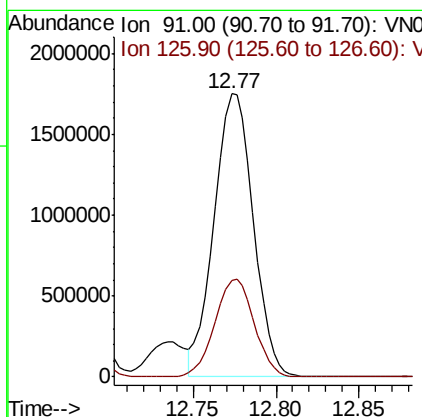
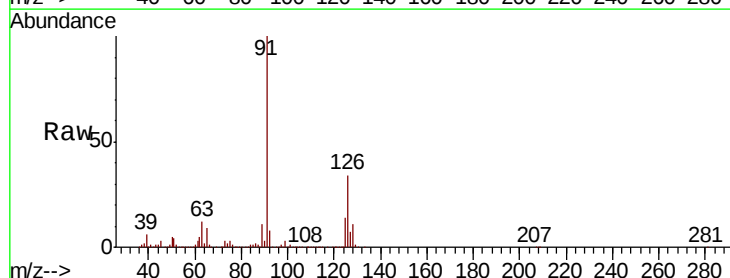
RT: 12.77 min Scan# 3478

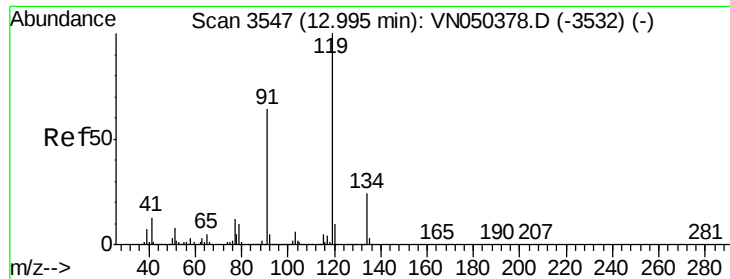
Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Tgt Ion:	91	Resp:	2882714
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.0	51.0





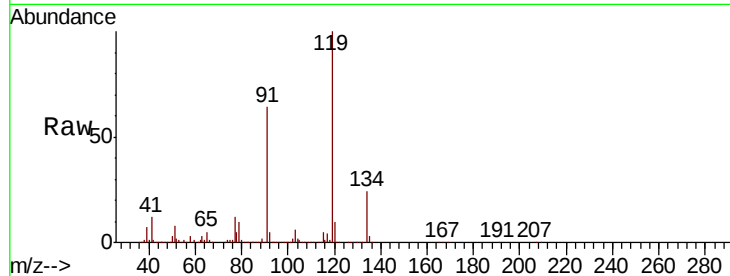
#83
 tert-Butylbenzene
 Concen: 101.46 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	32.1	96.3
134	26.2	13.2	39.5

Manual Integrations
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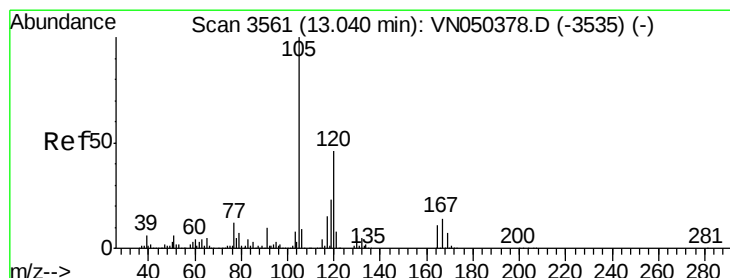
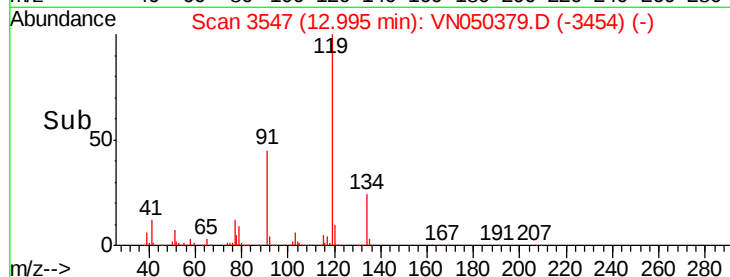
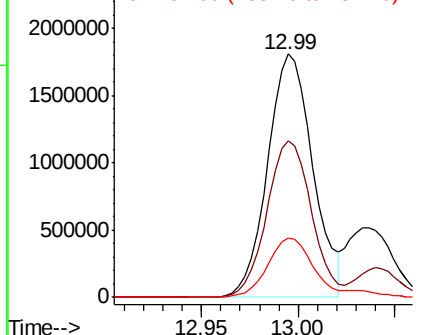


Abundance

Ion 119.00 (118.70 to 119.70): V

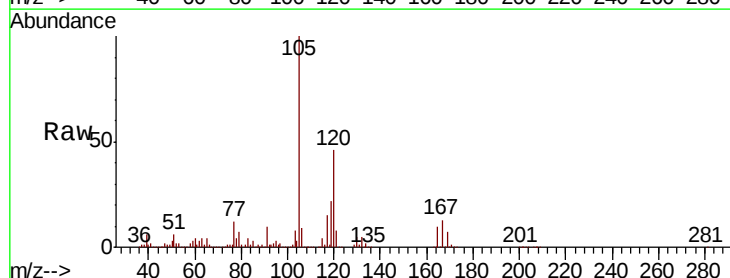
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 105.32 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

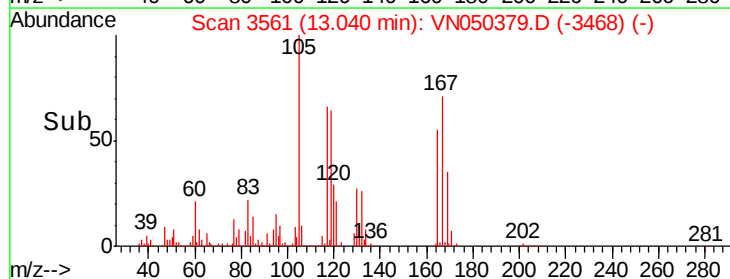
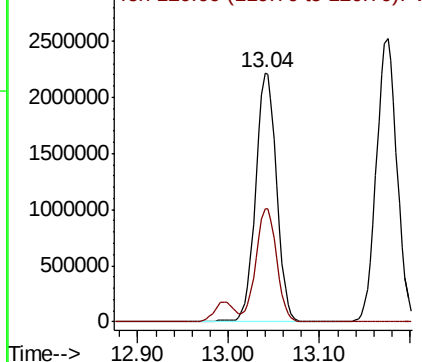
Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.9	68.7

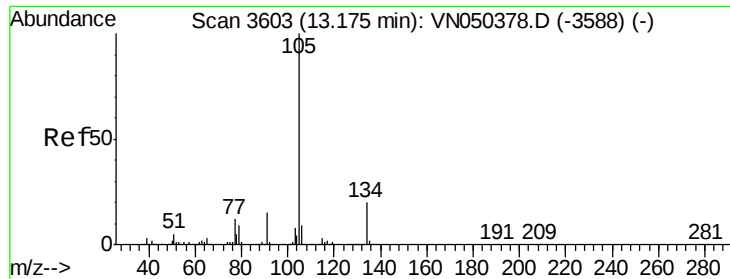


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 101.94 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 3954965

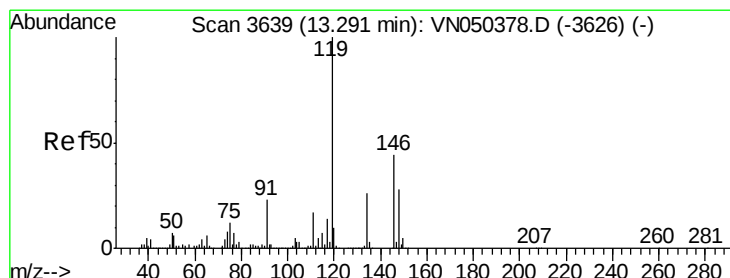
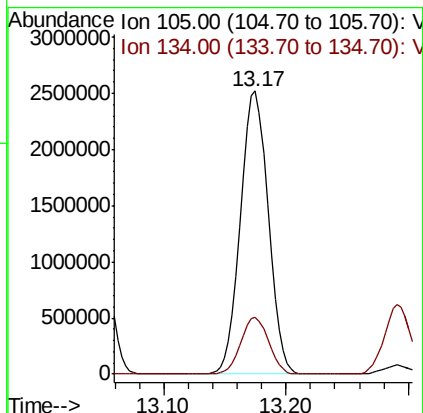
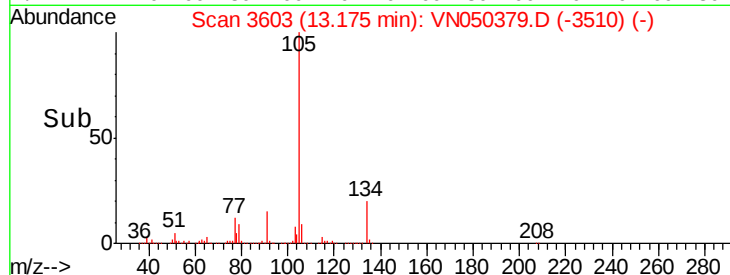
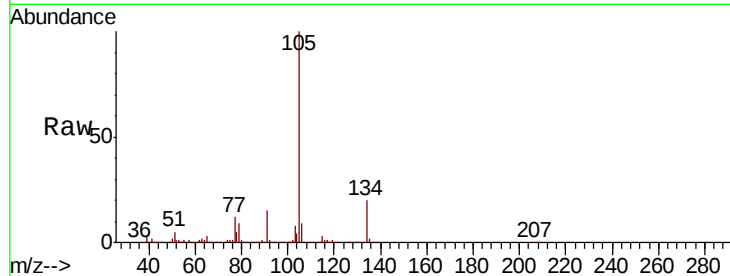
Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 107.35 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

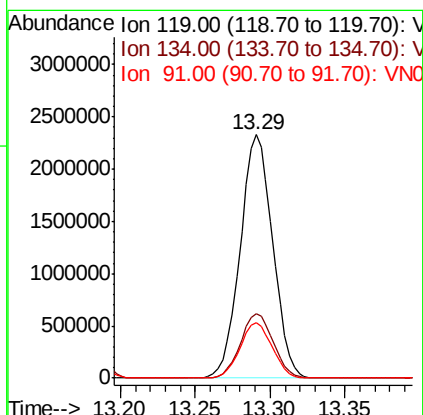
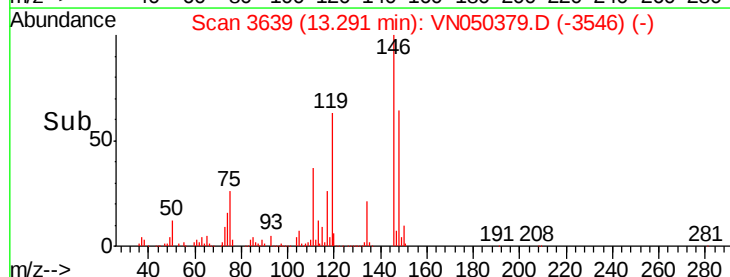
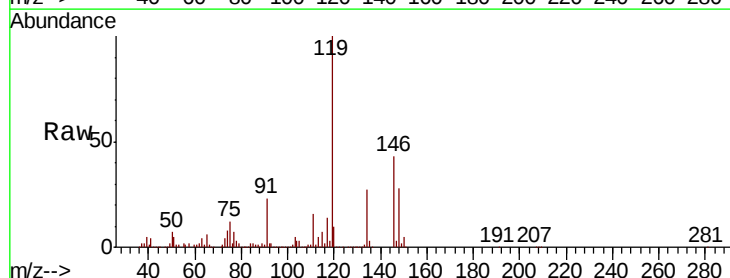
Tgt Ion:119 Resp: 3509615

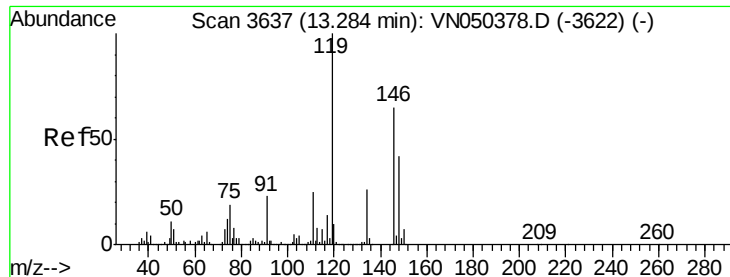
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 22.6 11.4 34.2





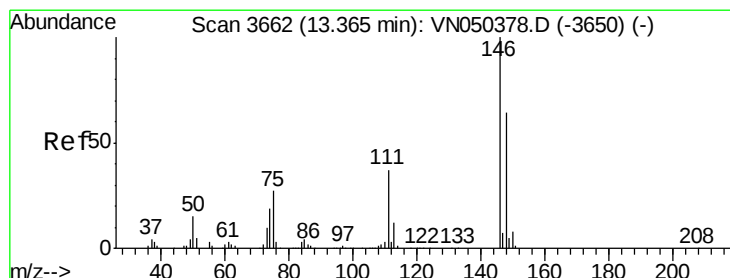
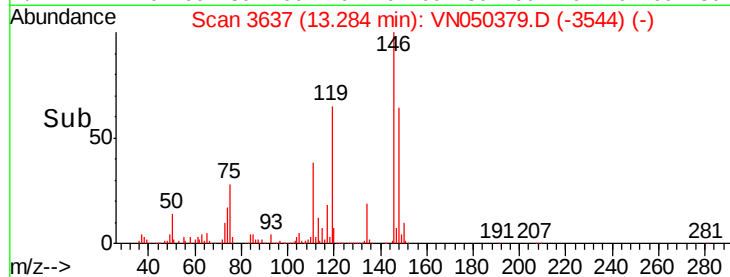
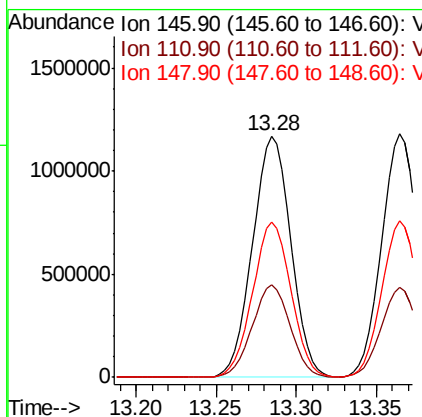
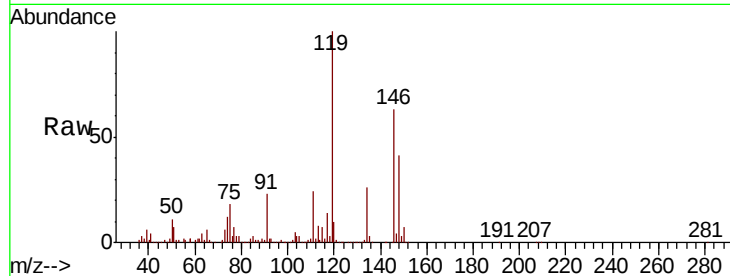
#87
 1,3-Dichlorobenzene
 Concen: 96.85 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

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

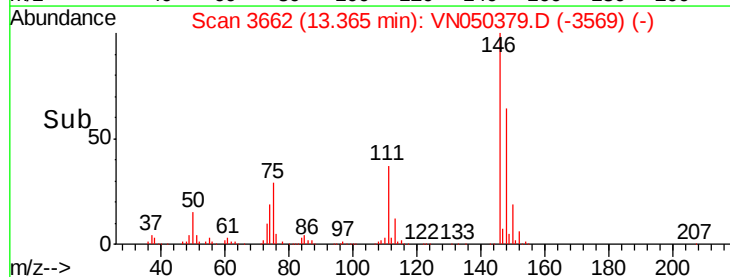
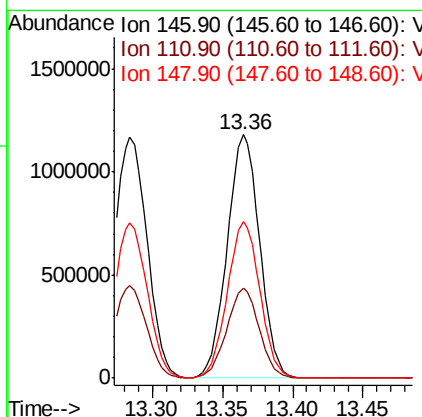
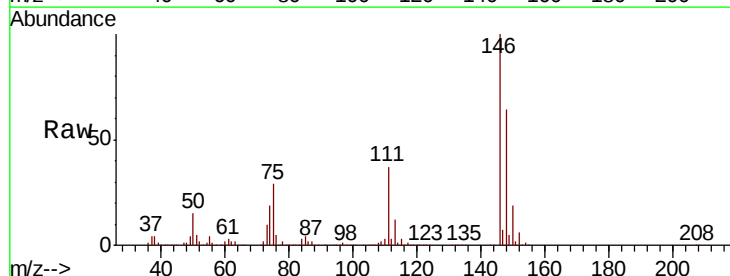
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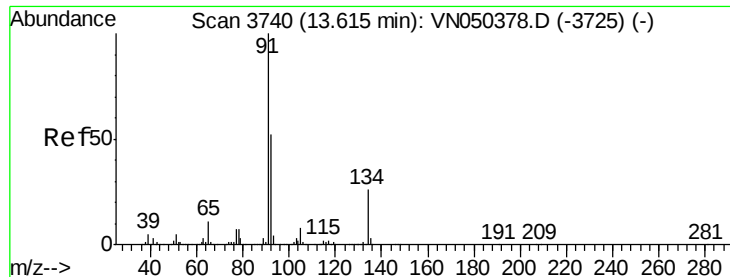
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#88
 1,4-Dichlorobenzene
 Concen: 97.93 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

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





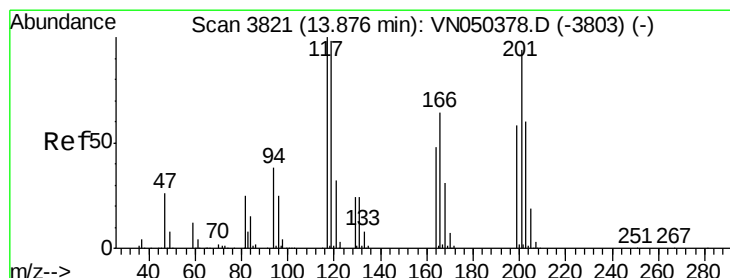
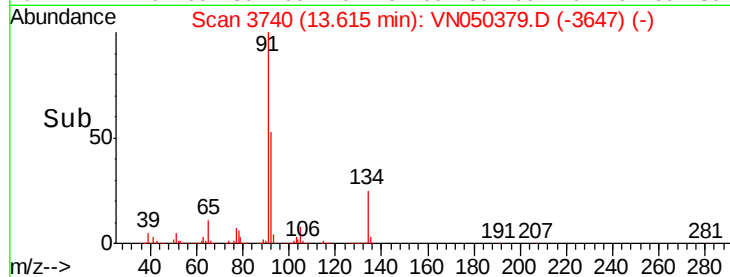
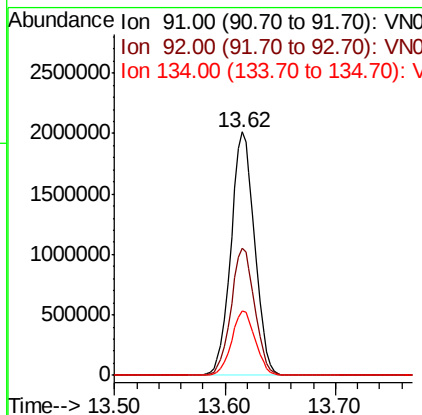
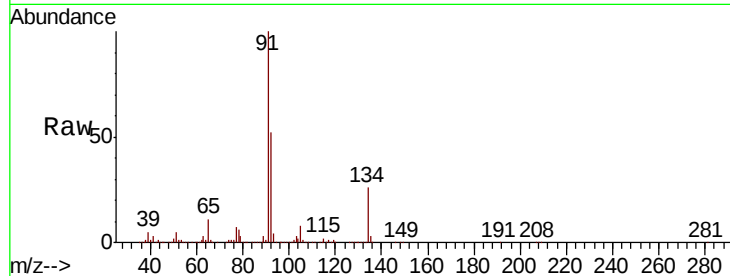
#89
n-Butylbenzene
Concen: 111.07 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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

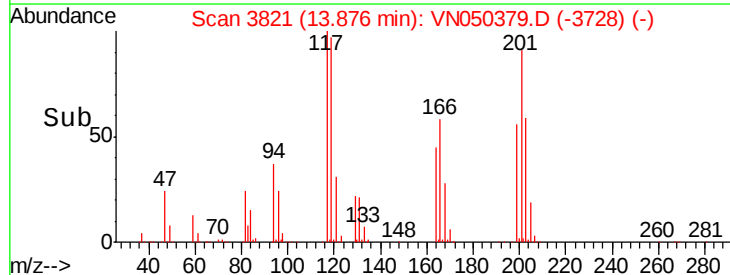
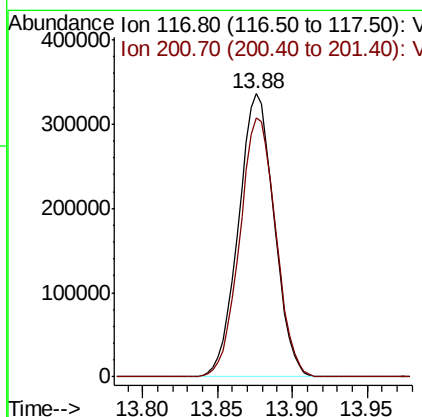
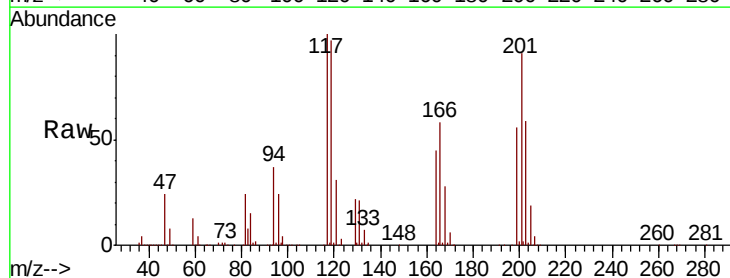
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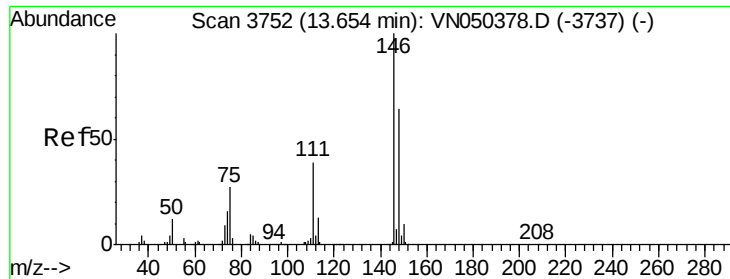
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#90
Hexachloroethane
Concen: 76.88 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050379.D
Acq: 6 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.4	45.6	136.8





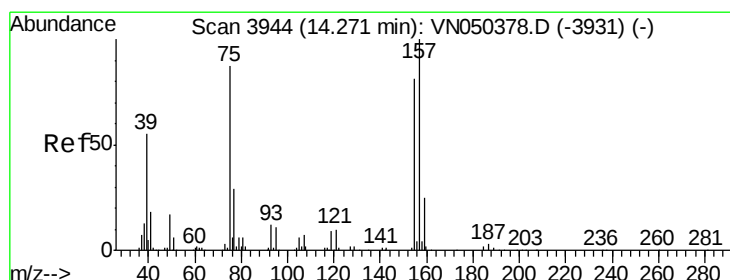
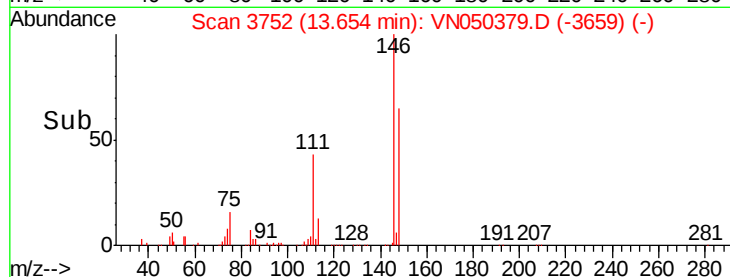
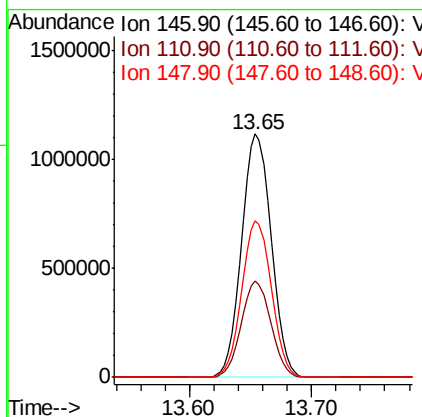
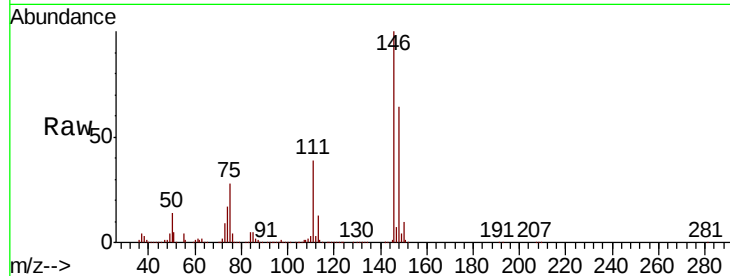
#91
 1,2-Dichlorobenzene
 Concen: 94.03 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	64.3	32.1	96.3

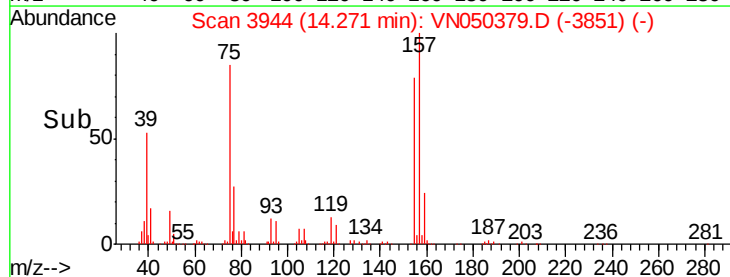
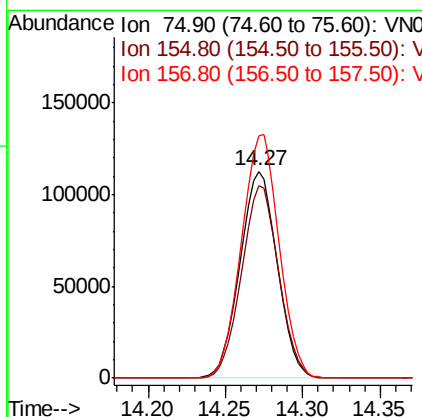
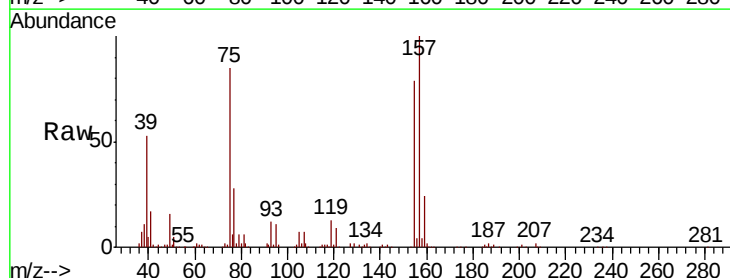
Manual Integrations
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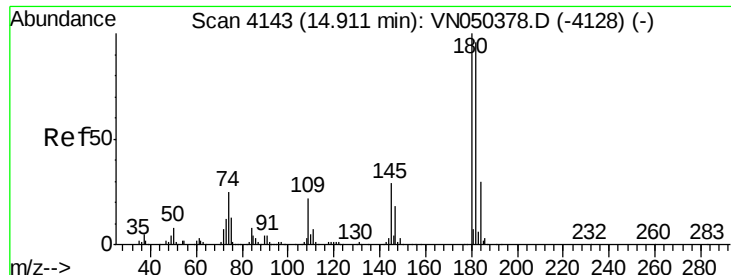
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 90.90 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	44.8	134.4
157	119.4	57.2	171.6





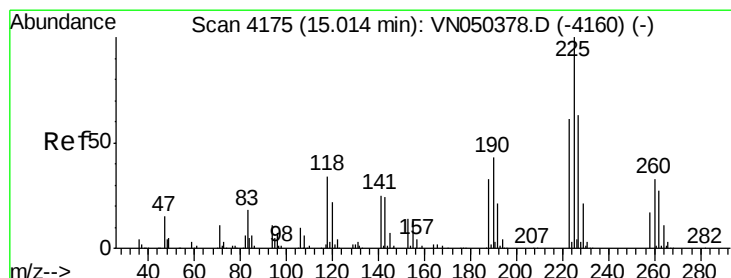
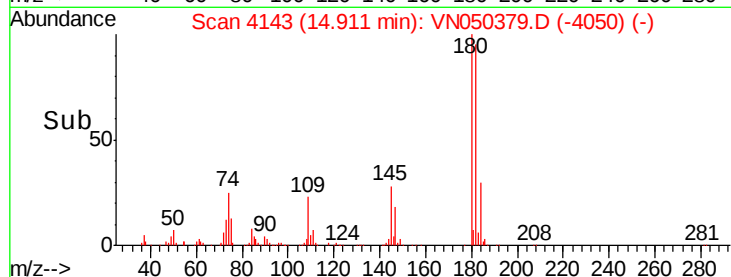
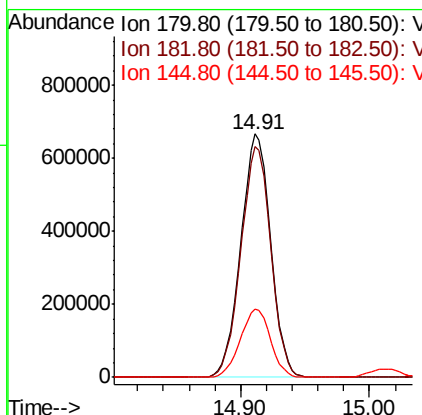
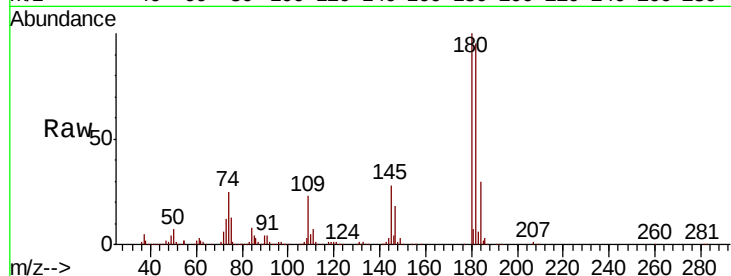
#93
 1,2,4-Trichlorobenzene
 Concen: 122.46 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

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

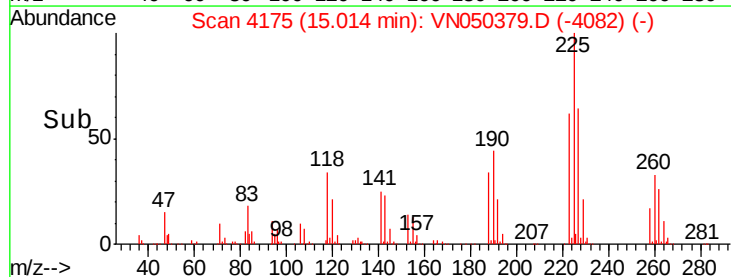
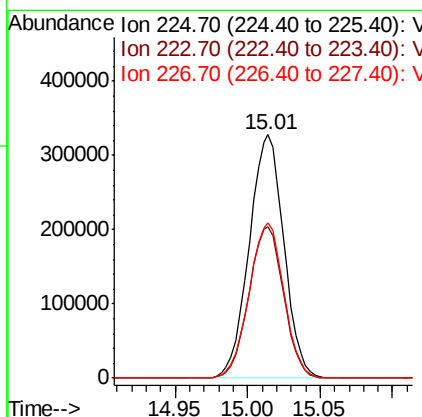
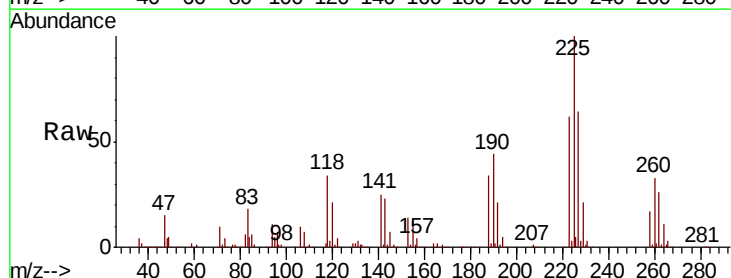
Manual Integrations
 APPROVED

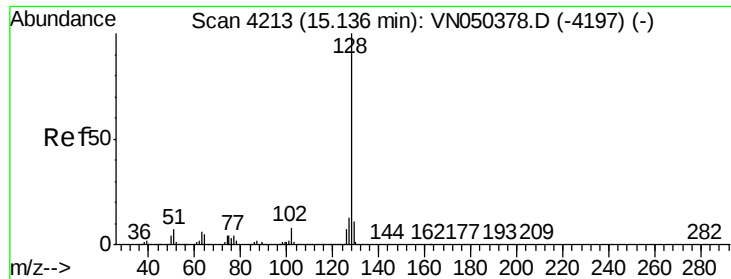
MMDadoda
 8/7/2018 9:58:10 AM



#94
 Hexachlorobutadiene
 Concen: 89.76 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050379.D
 Acq: 6 Aug 2018 12:49

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





#95

Naphthalene

Concen: 133.12 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Instrument :

MSVOA_N

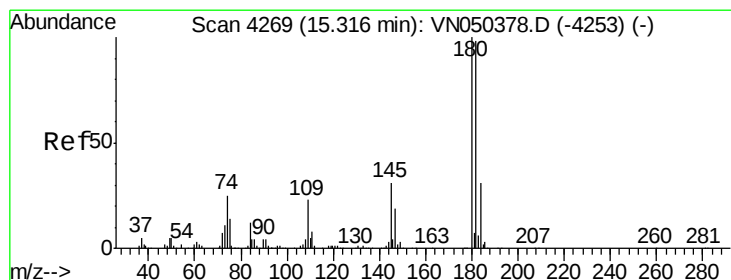
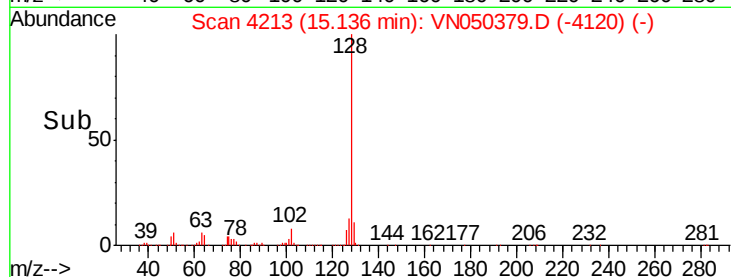
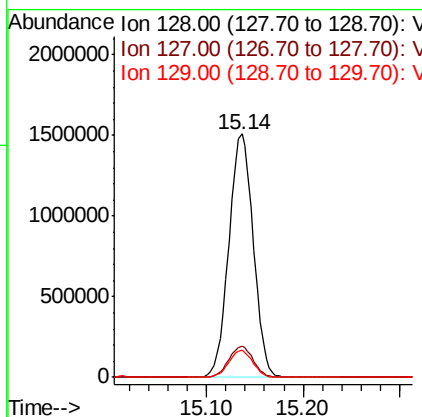
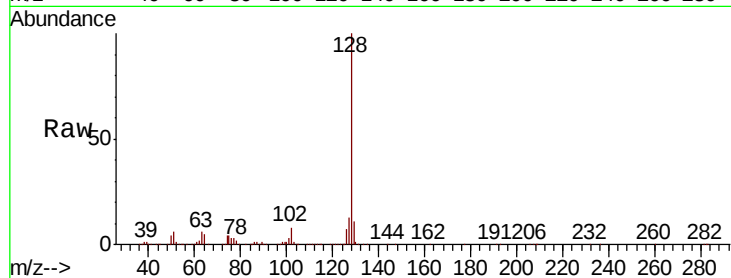
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	2637341
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:58:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 113.86 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050379.D

Acq: 6 Aug 2018 12:49

Tgt Ion:	180	Resp:	1010545
Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.1	144.4
145	29.8	15.3	45.9

