

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
 Data File : VN050235.D
 Acq On : 1 Aug 2018 9:21
 Operator : MD\SY
 Sample : VN0801WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 02 00:49:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	739815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1079950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	976155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	495660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	500591	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	7.59	113	452804	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
50) Toluene-d8	10.09	98	1645205	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	543213	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	204167	19.21	ug/l	99
3) Chloromethane	2.06	50	199533	17.27	ug/l	99
4) Vinyl Chloride	2.18	62	216437	17.79	ug/l	96
5) Bromomethane	2.56	94	79784	11.03	ug/l	99
6) Chloroethane	2.70	64	125566	17.18	ug/l	100
7) Trichlorofluoromethane	3.01	101	296344	18.80	ug/l	97
8) Diethyl Ether	3.41	74	98883	18.82	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	185503	19.57	ug/l	100
10) Methyl Iodide	3.95	142	106430	8.75	ug/l	98
11) Tert butyl alcohol	4.80	59	74892	98.61	ug/l	99
12) 1,1-Dichloroethene	3.73	96	157403	18.46	ug/l	96
13) Acrolein	3.61	56	33066	54.19	ug/l	94
14) Allyl chloride	4.32	41	254938	19.28	ug/l	98
15) Acrylonitrile	4.99	53	322633	97.37	ug/l	100
16) Acetone	3.82	43	283621	114.29	ug/l	97
17) Carbon Disulfide	4.05	76	438675	16.79	ug/l	100
18) Methyl Acetate	4.33	43	234026	23.90	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	454001	19.98	ug/l	99
20) Methylene Chloride	4.55	84	186414	19.61	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	170325	18.85	ug/l	98
22) Diisopropyl ether	5.96	45	552735	21.08	ug/l	99
23) Vinyl Acetate	5.90	43	1784840	96.34	ug/l	99
24) 1,1-Dichloroethane	5.85	63	329742	19.23	ug/l	99
25) 2-Butanone	6.84	43	410022	104.14	ug/l	99
26) 2,2-Dichloropropane	6.82	77	275951	21.16	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	192449	19.79	ug/l	99
28) Bromochloromethane	7.20	49	163383	20.90	ug/l	100
29) Tetrahydrofuran	7.21	42	254683	100.11	ug/l	99
30) Chloroform	7.37	83	341141	19.50	ug/l	99
31) Cyclohexane	7.65	56	271762	19.07	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	282855	18.90	ug/l	98
36) 1,1-Dichloropropene	7.79	75	243293	20.00	ug/l	100
37) Ethyl Acetate	6.93	43	169349	19.96	ug/l	98
38) Carbon Tetrachloride	7.77	117	254043	19.68	ug/l	98

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 02 00:49:56 2018
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 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	248204	19.83	ug/l	97
40) Benzene	8.04	78	742508	20.05	ug/l	100
41) Methacrylonitrile	7.18	41	84606	20.85	ug/l	86
42) 1,2-Dichloroethane	8.13	62	242367	19.62	ug/l	100
43) Isopropyl Acetate	8.17	43	339247	20.55	ug/l	95
44) Trichloroethene	8.84	130	196255	19.73	ug/l	99
45) 1,2-Dichloropropane	9.12	63	199358	20.33	ug/l	100
46) Dibromomethane	9.21	93	123704	20.32	ug/l	99
47) Bromodichloromethane	9.40	83	257843	20.06	ug/l	100
48) Methyl methacrylate	9.20	41	148894	20.38	ug/l	98
49) 1,4-Dioxane	9.20	88	44309	445.66	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	875173	104.95	ug/l	99
52) Toluene	10.16	92	460650	21.08	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	254295	20.97	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	289800	20.91	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	177087	20.43	ug/l	99
56) Ethyl methacrylate	10.43	69	215056	19.60	ug/l	99
57) 1,3-Dichloropropane	10.71	76	290459	20.58	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	491551	95.07	ug/l	99
59) 2-Hexanone	10.75	43	602084	101.40	ug/l	99
60) Dibromochloromethane	10.90	129	198346	20.67	ug/l	99
61) 1,2-Dibromoethane	11.01	107	169040	19.65	ug/l	97
64) Tetrachloroethene	10.63	164	183457	19.55	ug/l	97
65) Chlorobenzene	11.44	112	495631	20.10	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	191262	20.19	ug/l	100
67) Ethyl Benzene	11.51	91	820240	20.71	ug/l	100
68) m/p-Xylenes	11.62	106	644059	42.99	ug/l	99
69) o-Xylene	11.95	106	301136	21.08	ug/l	99
70) Styrene	11.97	104	491654	19.92	ug/l	99
71) Bromoform	12.13	173	136405	19.79	ug/l #	98
73) Isopropylbenzene	12.25	105	815719	21.22	ug/l	100
74) N-amyl acetate	12.07	43	232907	19.82	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	228885	21.28	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	274948	29.85	ug/l #	100
77) Bromobenzene	12.53	156	209188	19.63	ug/l	98
78) n-propylbenzene	12.59	91	942384	21.93	ug/l	99
79) 2-Chlorotoluene	12.68	91	569705	21.39	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	675104	22.33	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59158	20.37	ug/l	96
82) 4-Chlorotoluene	12.77	91	574393	21.78	ug/l	100
83) tert-Butylbenzene	12.99	119	574606	21.78	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	680485	22.33	ug/l	100
85) sec-Butylbenzene	13.17	105	777688	22.06	ug/l	100
86) p-Isopropyltoluene	13.29	119	672038	22.62	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	369578	20.46	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	359482	20.42	ug/l	99
89) n-Butylbenzene	13.62	91	525708	21.52	ug/l	100
90) Hexachloroethane	13.88	117	130230	19.74	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	361729	20.04	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33212	18.89	ug/l	97

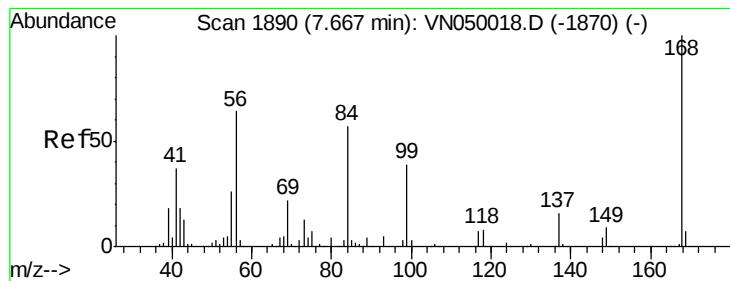
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	159701	18.74	ug/l	98
94) Hexachlorobutadiene	15.01	225	116349	21.05	ug/l	100
95) Naphthalene	15.14	128	327117	17.59	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	165330	19.15	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: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

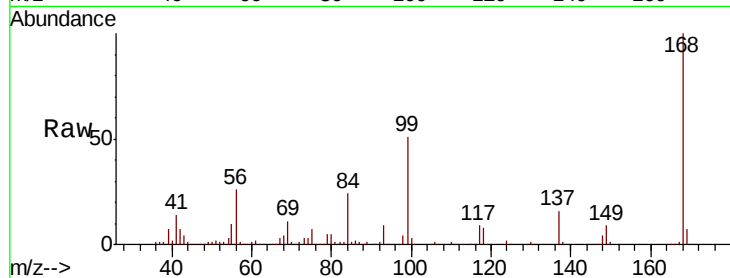
ClientSampled :

Tot Ion:168 Resp: 739815

Ion Ratio Lower Upper

168 100

99 50.9 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

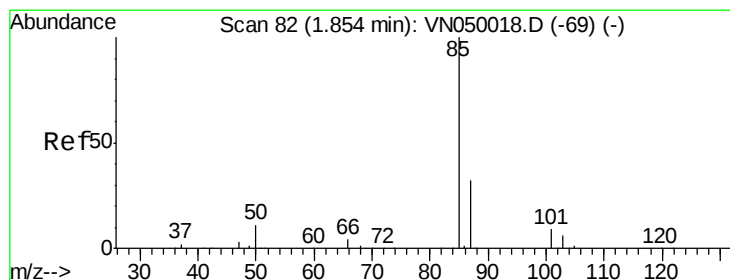
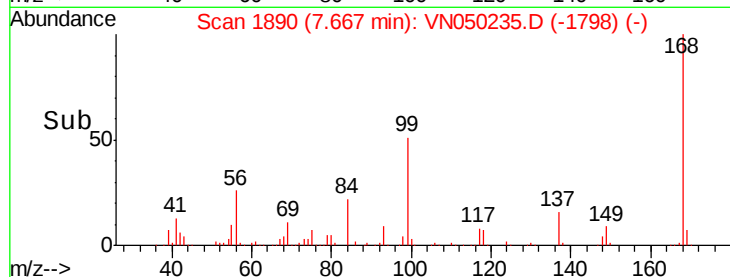
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 19.21 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050235.D

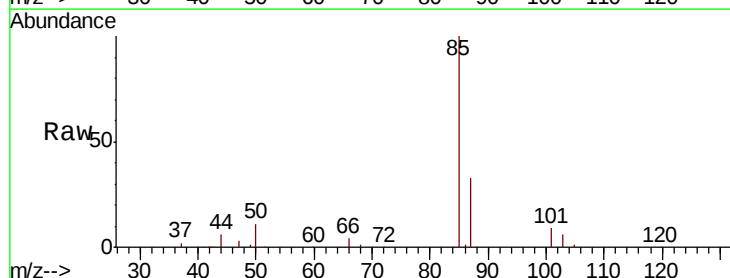
Acq: 1 Aug 2018 9:21

Tgt Ion: 85 Resp: 204167

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

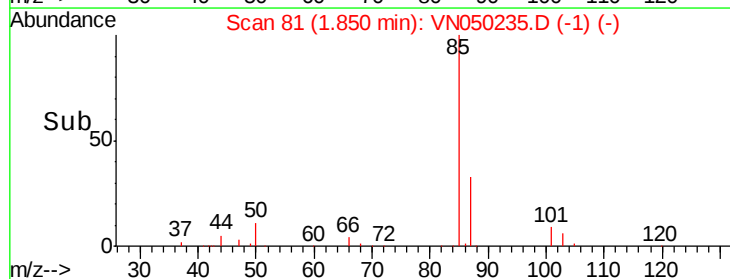
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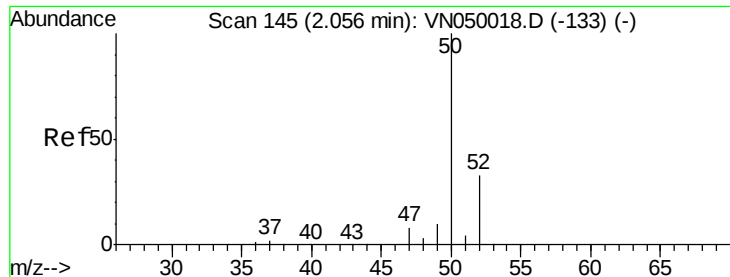
100000

50000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 17.27 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

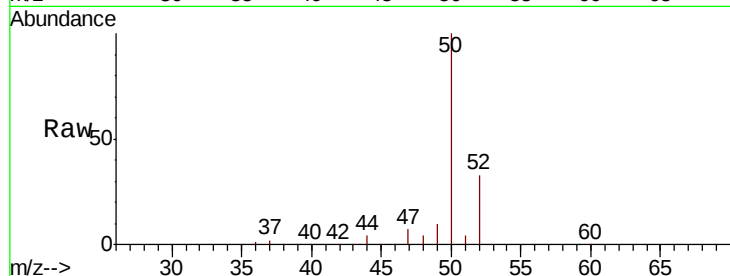
ClientSampleId :

Tot Ion: 50 Resp: 199533

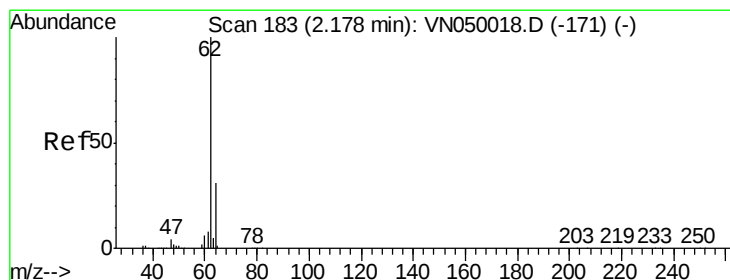
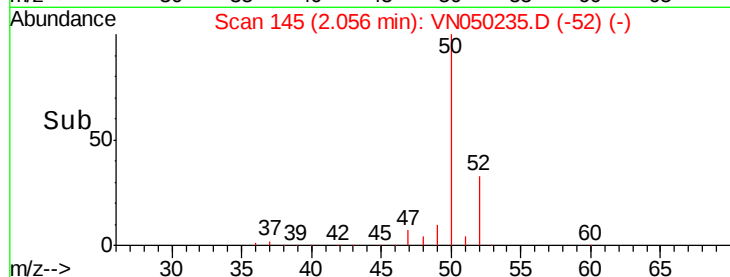
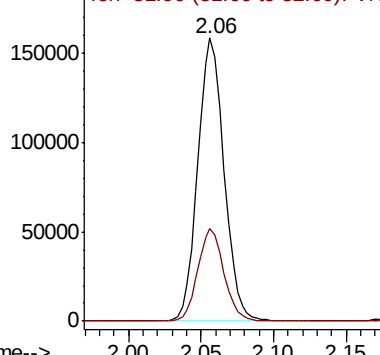
Ion Ratio Lower Upper

50 100

52 32.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.79 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050235.D

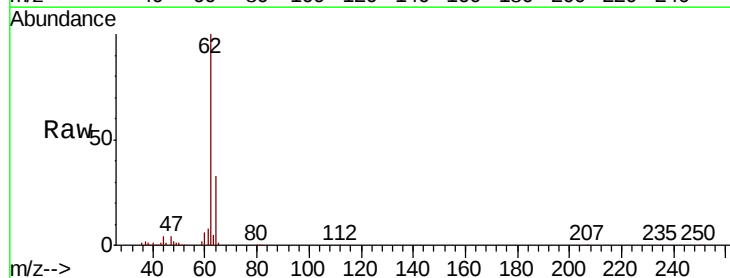
Acq: 1 Aug 2018 9:21

Tgt Ion: 62 Resp: 216437

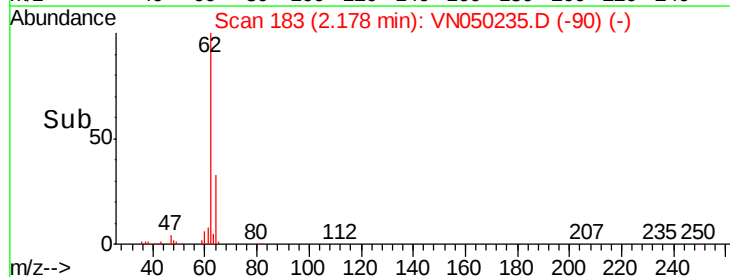
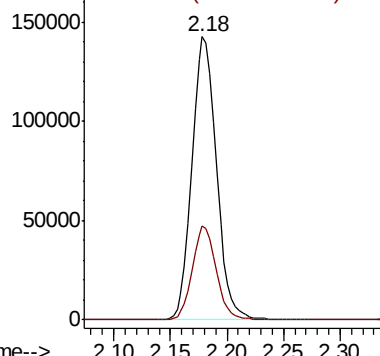
Ion Ratio Lower Upper

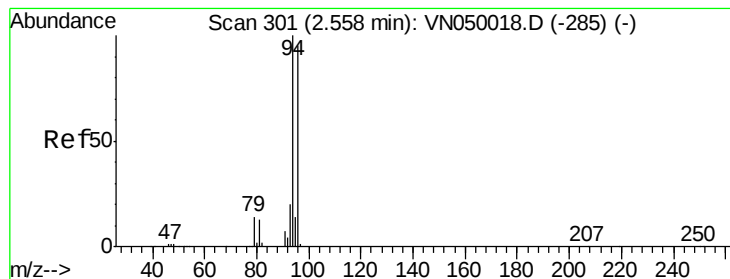
62 100

64 33.1 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 11.03 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

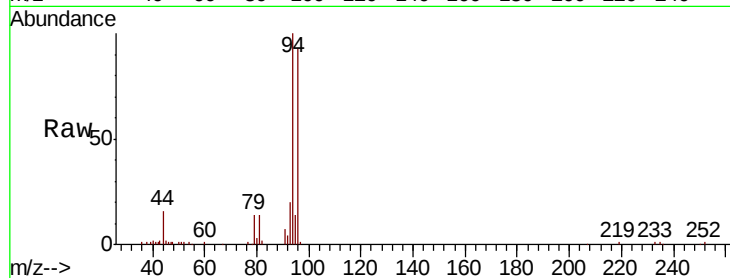
ClientSampled :

Tot Ion: 94 Resp: 79784

Ion Ratio Lower Upper

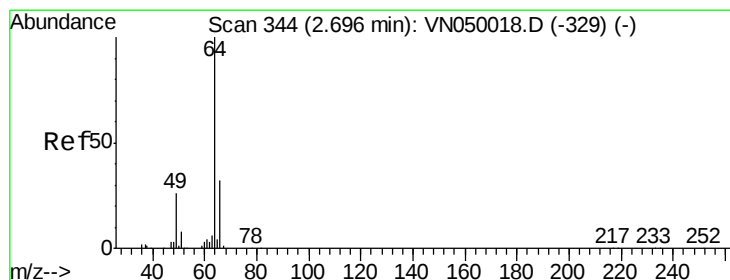
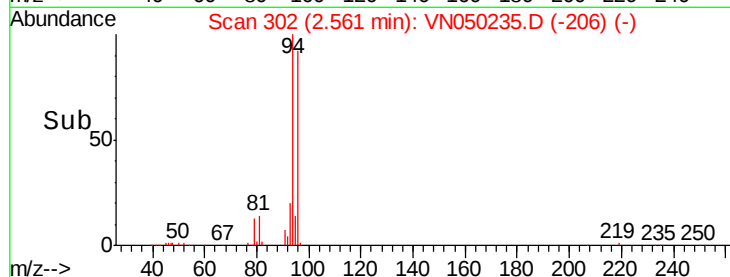
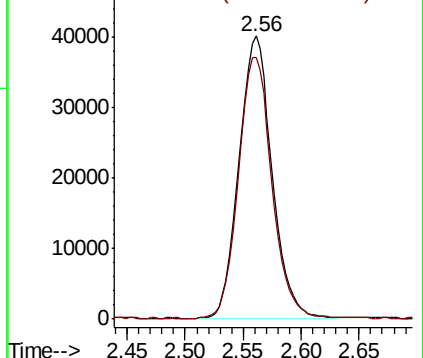
94 100

96 92.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.18 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050235.D

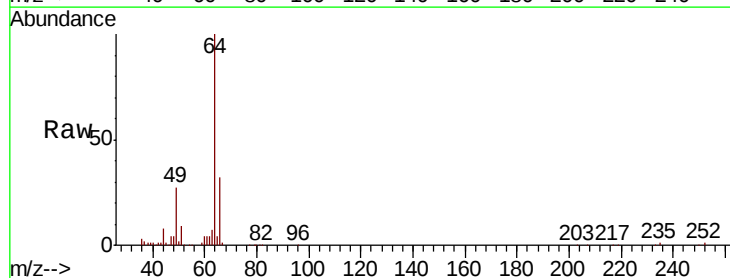
Acq: 1 Aug 2018 9:21

Tgt Ion: 64 Resp: 125566

Ion Ratio Lower Upper

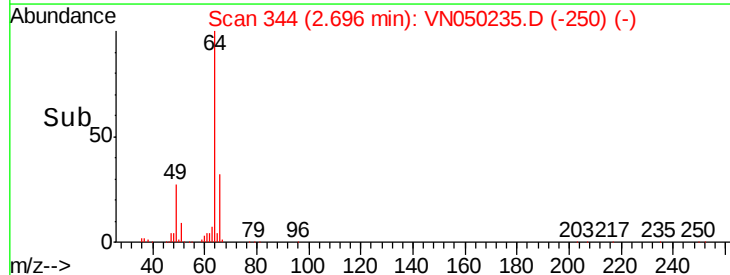
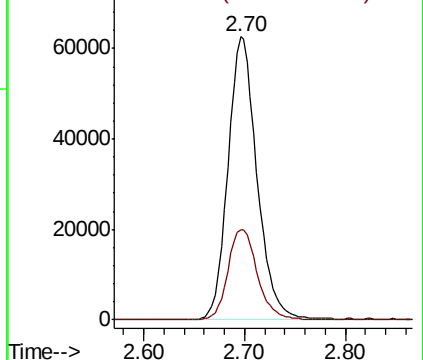
64 100

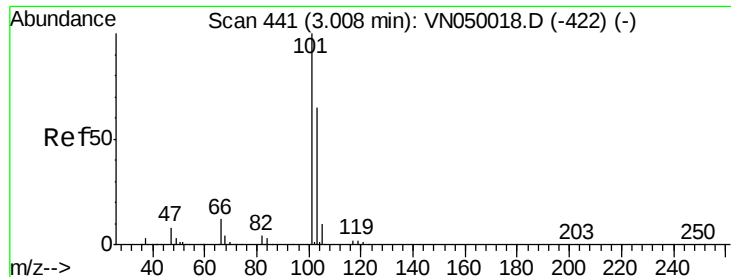
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



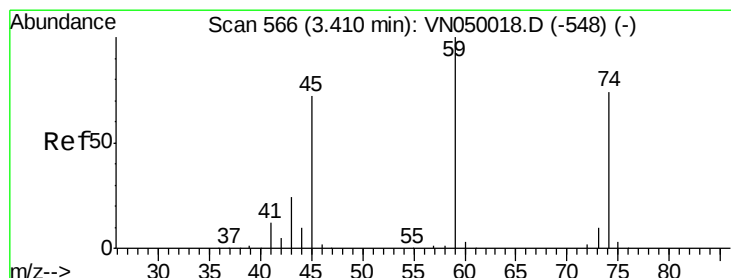
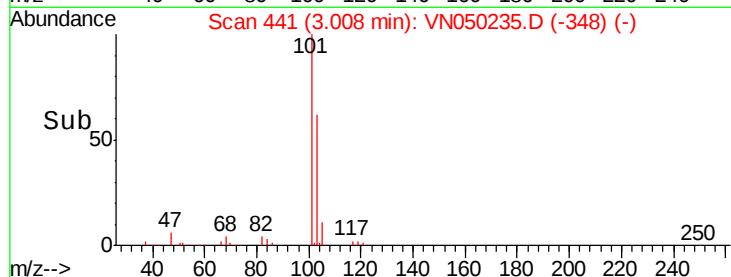
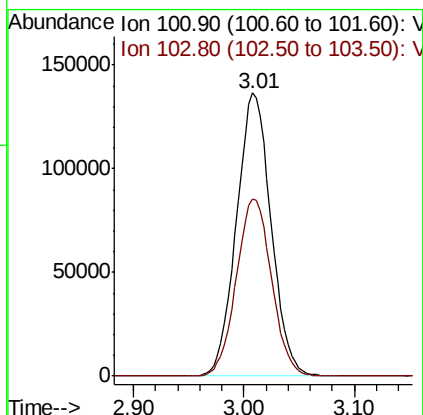
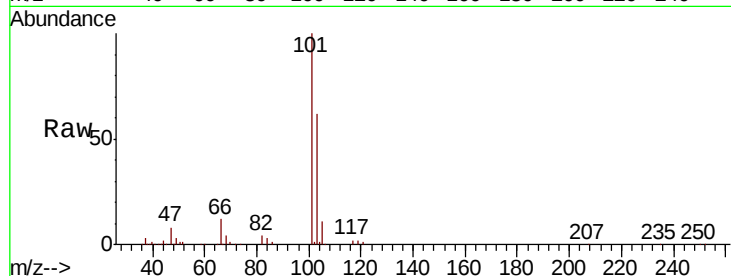


#7

Trichlorofluoromethane
 Concen: 18.80 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Instrument :
 MSVOA_N
 ClientSampled :

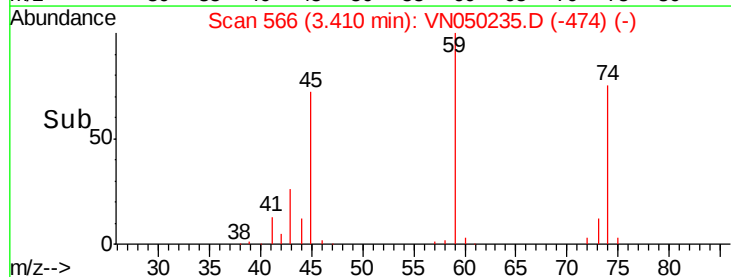
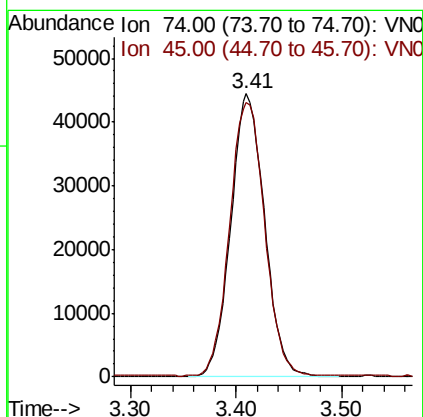
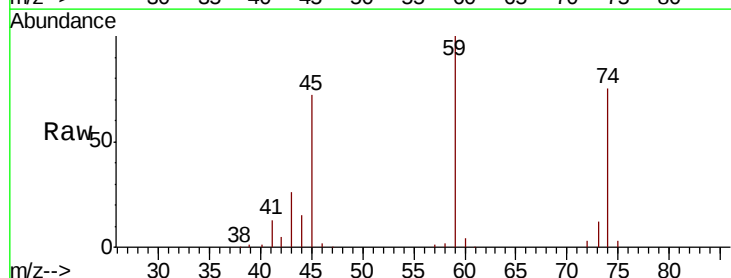
Tot Ion:101 Resp: 296344
 Ion Ratio Lower Upper
 101 100
 103 62.4 51.7 77.5

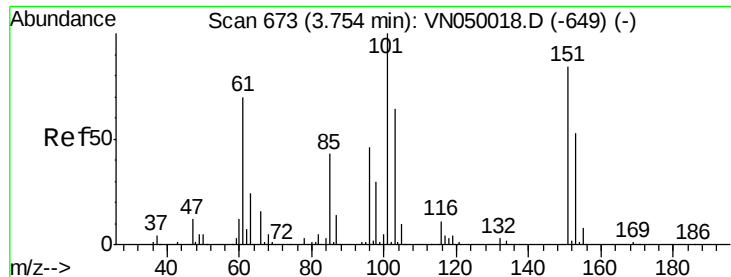


#8

Diethyl Ether
 Concen: 18.82 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion: 74 Resp: 98883
 Ion Ratio Lower Upper
 74 100
 45 100.9 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.57 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

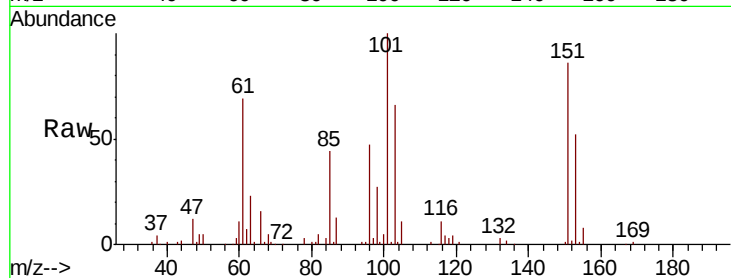
Tot Ion:101 Resp: 185503

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.2

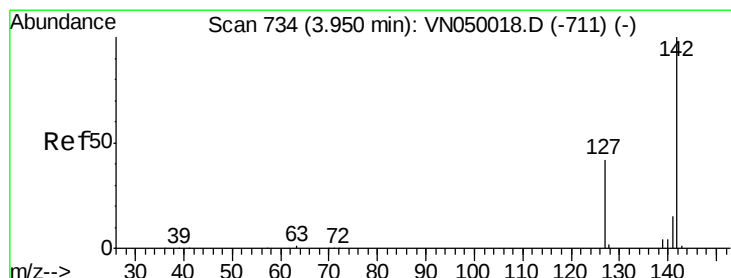
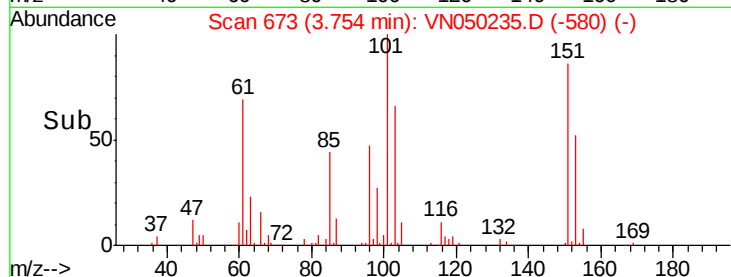
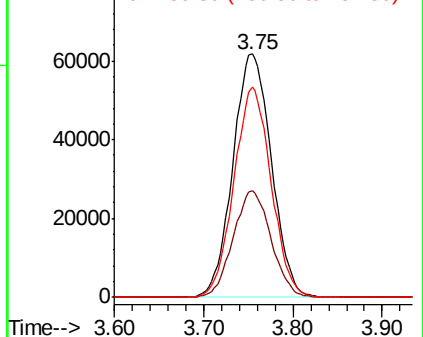
151 83.1 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.75 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

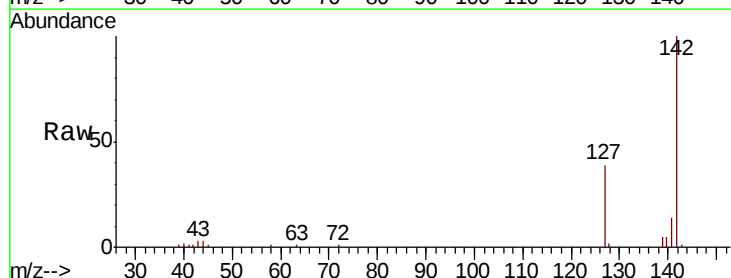
Tgt Ion:142 Resp: 106430

Ion Ratio Lower Upper

142 100

127 40.6 33.4 50.2

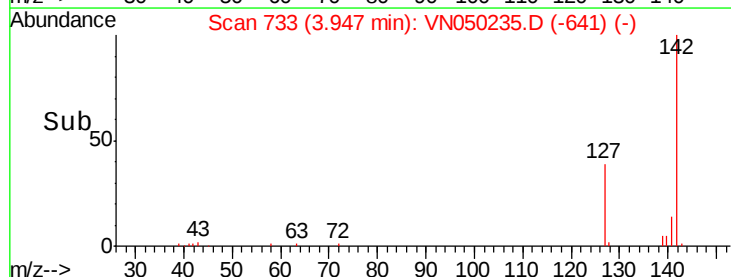
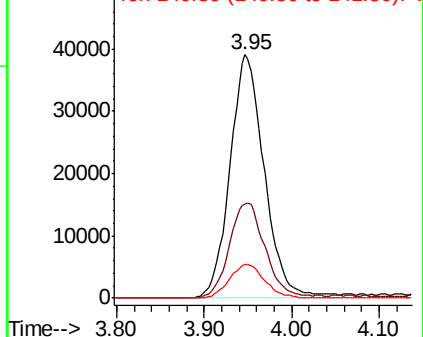
141 14.2 11.6 17.4

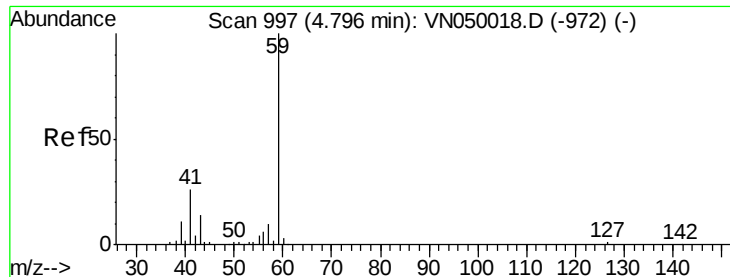


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

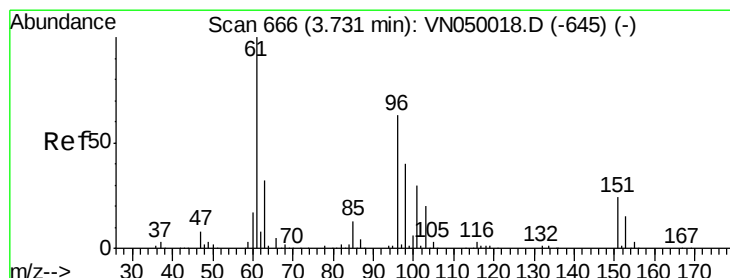
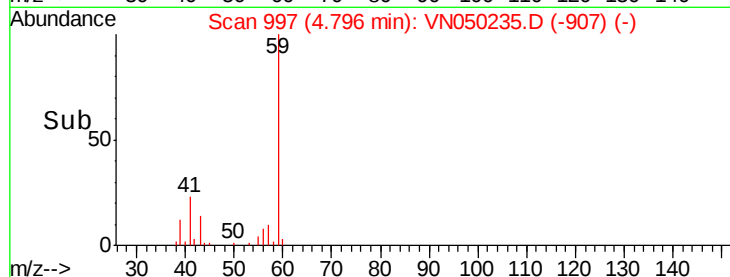
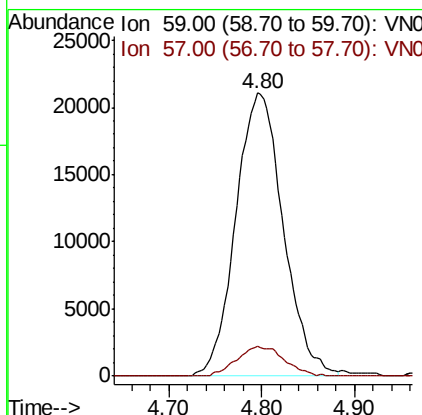
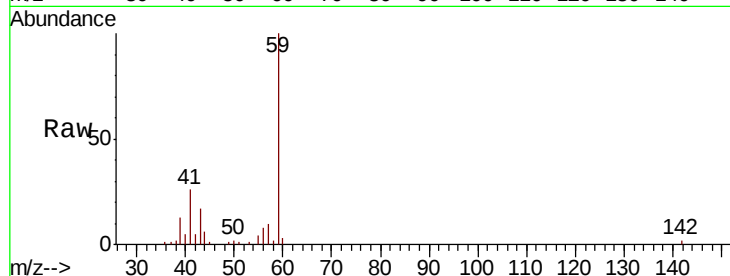




#11
Tert butyl alcohol
Concen: 98.61 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.01 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

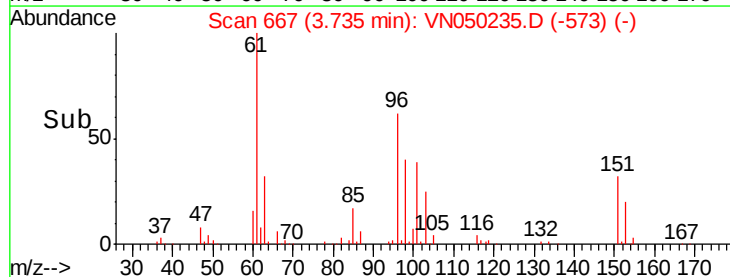
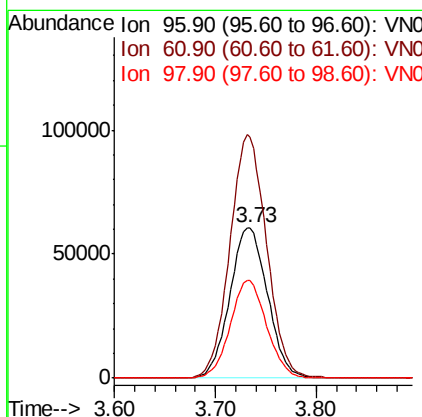
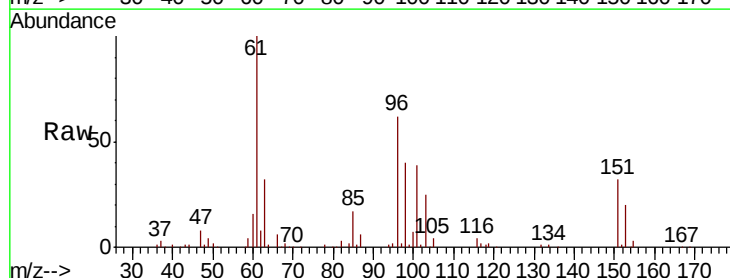
Instrument :
MSVOA_N
ClientSampled :

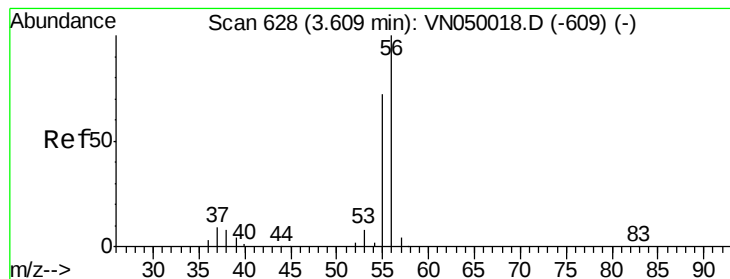
Tot Ion: 59 Resp: 74892
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7



#12
1,1-Dichloroethene
Concen: 18.46 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion: 96 Resp: 157403
Ion Ratio Lower Upper
96 100
61 159.9 124.4 186.6
98 64.8 48.3 72.5





#13

Acrolein

Concen: 54.19 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

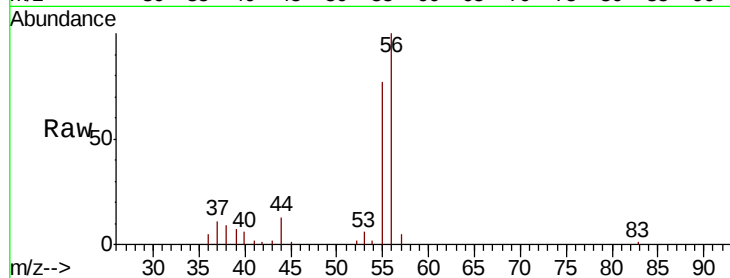
ClientSampleId :

Tot Ion: 56 Resp: 33066

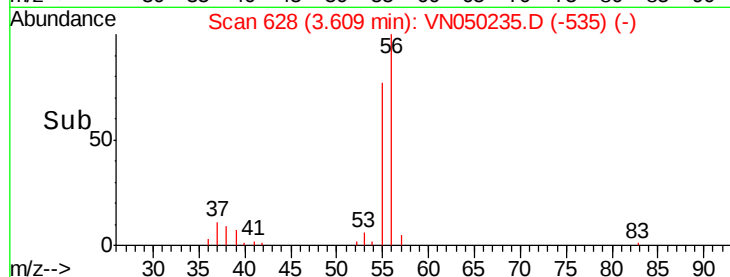
Ion Ratio Lower Upper

56 100

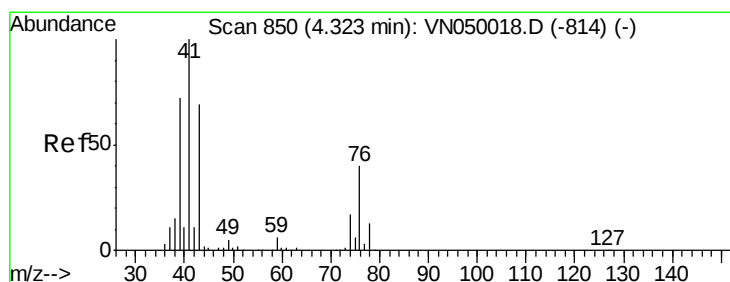
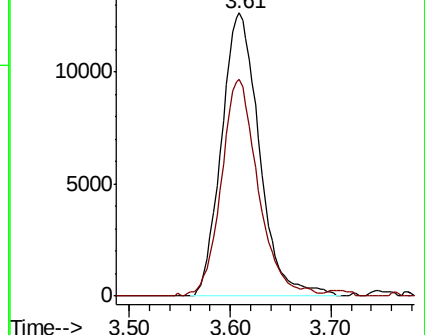
55 74.7 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN050235.D (-535) (-)



Ion 55.00 (54.70 to 55.70): VN050235.D (-535) (-)



#14

Allyl chloride

Concen: 19.28 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

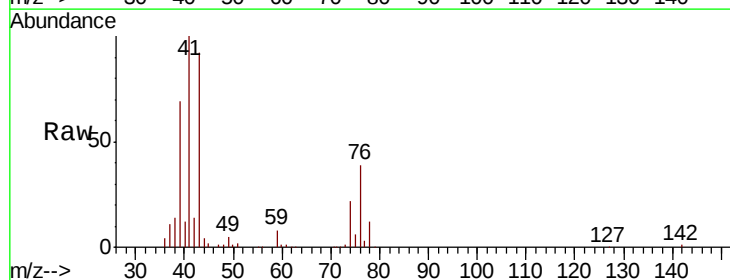
Tgt Ion: 41 Resp: 254938

Ion Ratio Lower Upper

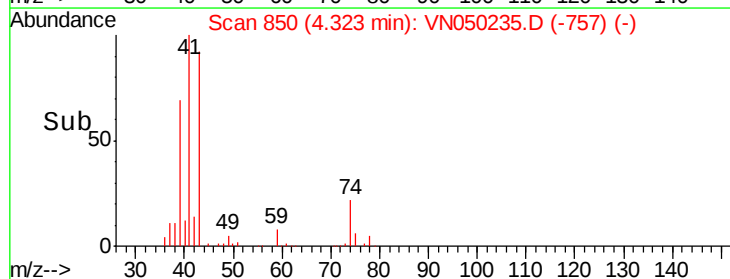
41 100

39 66.3 54.2 81.4

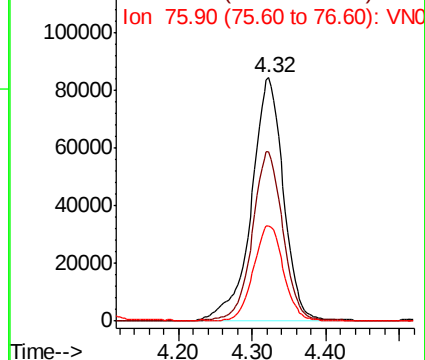
76 36.9 29.0 43.6

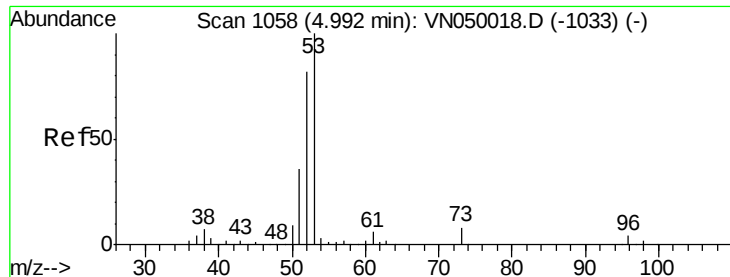


Abundance Ion 41.00 (40.70 to 41.70): VN050235.D (-757) (-)



Ion 39.00 (38.70 to 39.70): VN050235.D (-757) (-)





#15

Acrylonitrile

Concen: 97.37 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

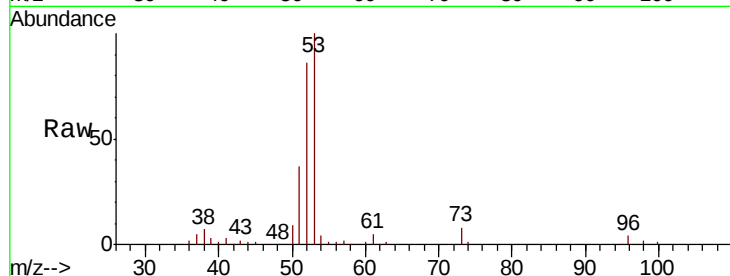
Tot Ion: 53 Resp: 322633

Ion Ratio Lower Upper

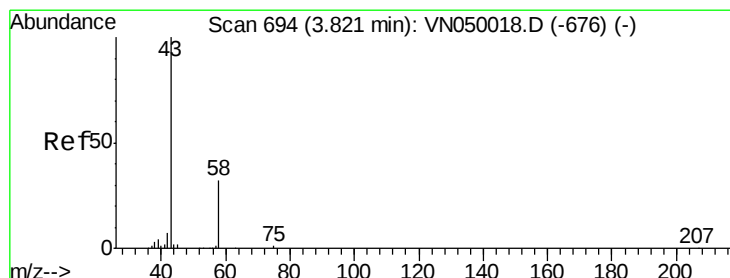
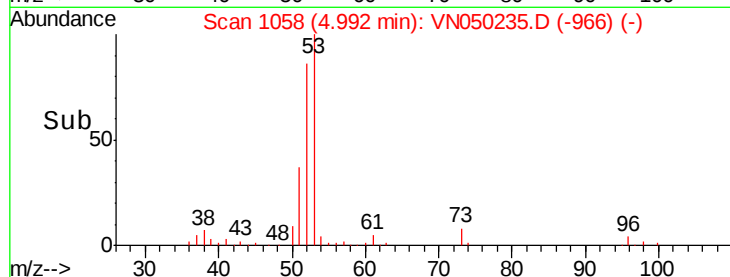
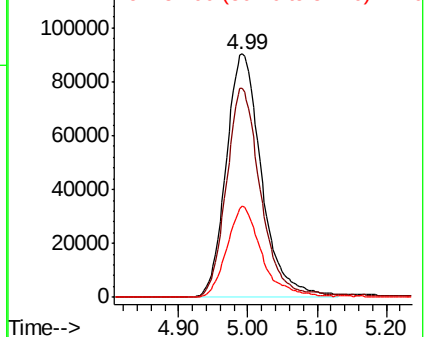
53 100

52 82.9 66.2 99.2

51 36.9 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 114.29 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050235.D

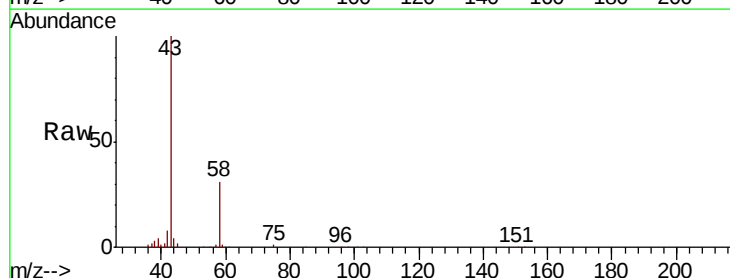
Acq: 1 Aug 2018 9:21

Tgt Ion: 43 Resp: 283621

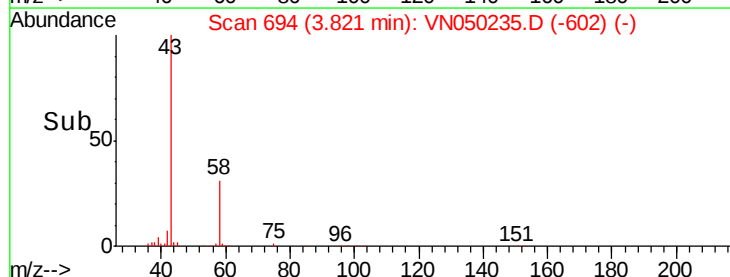
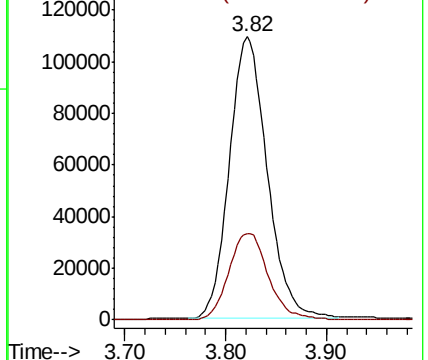
Ion Ratio Lower Upper

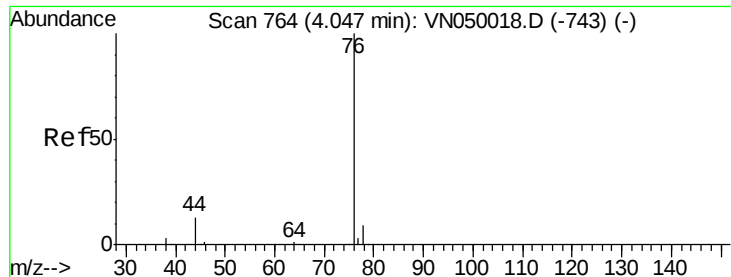
43 100

58 30.7 25.8 38.8



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

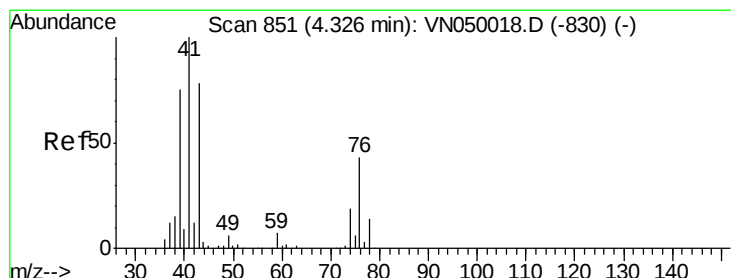
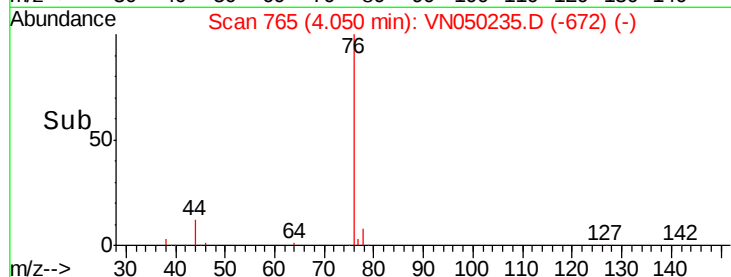
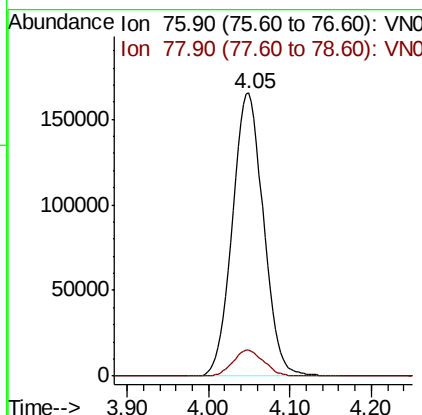
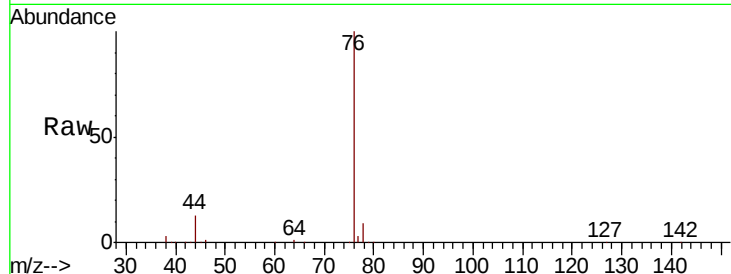




#17
Carbon Disulfide
Concen: 16.79 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

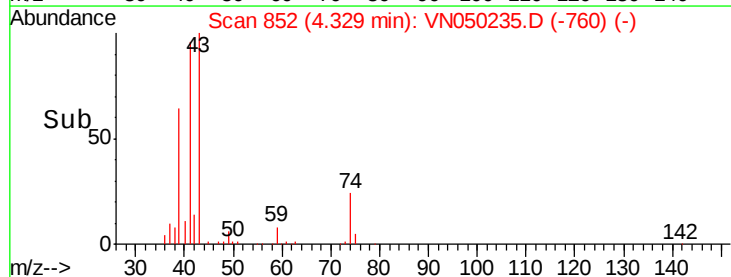
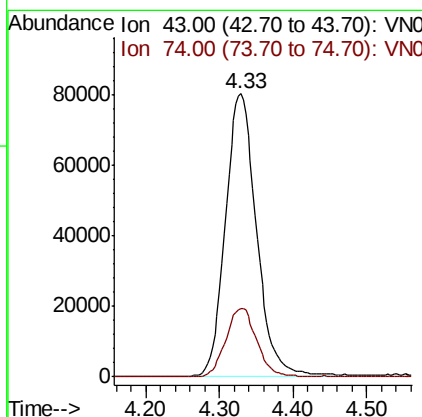
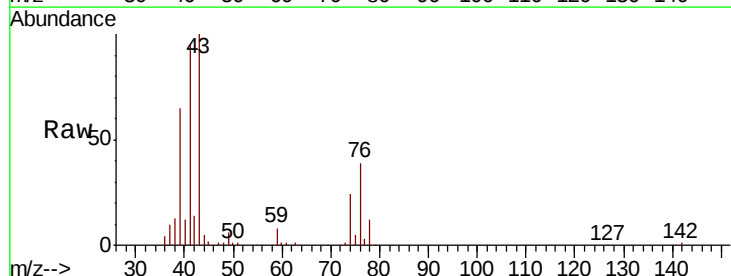
Instrument :
MSVOA_N
ClientSampled :

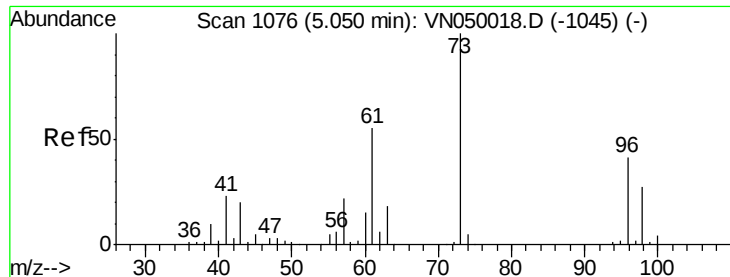
Tot Ion: 76 Resp: 438675
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 23.90 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion: 43 Resp: 234026
Ion Ratio Lower Upper
43 100
74 24.2 19.2 28.8

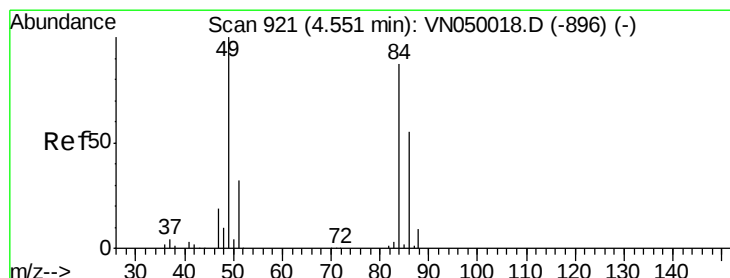
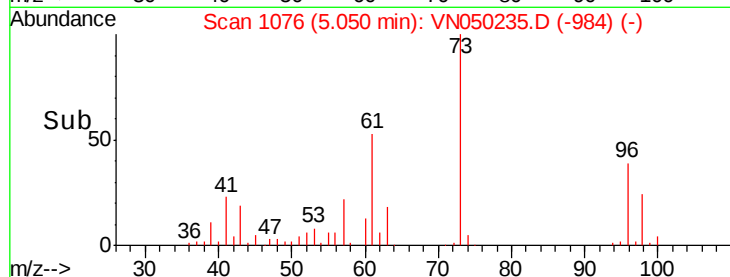
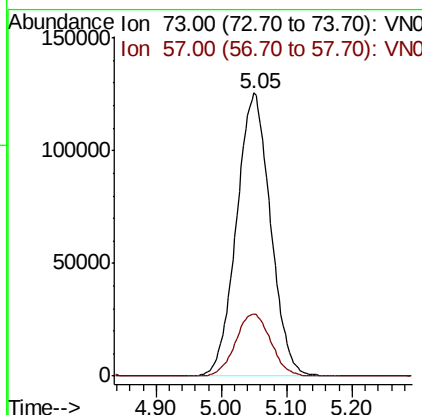
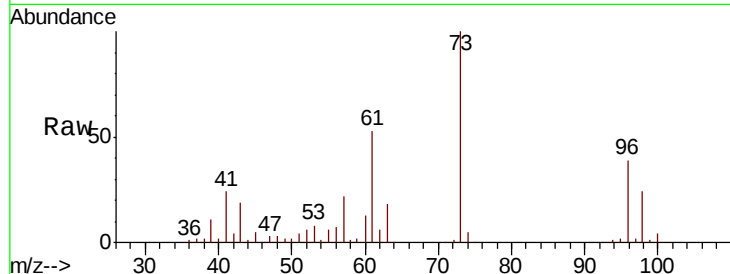




#19
Methvl tert-butvl Ether
Concen: 19.98 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

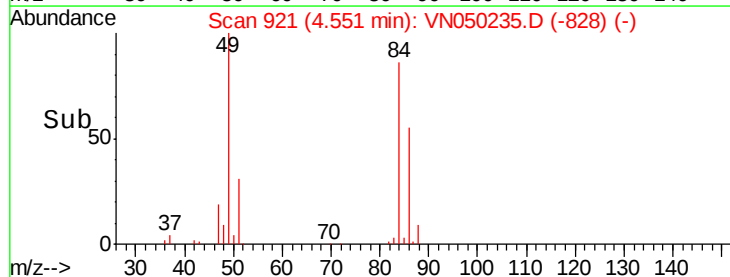
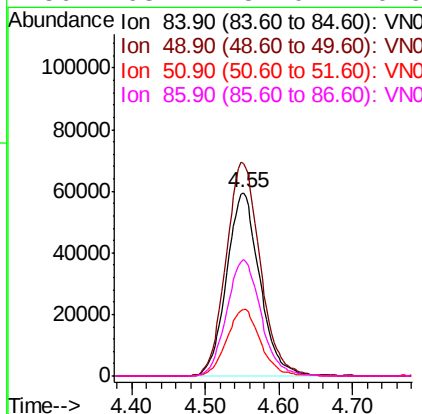
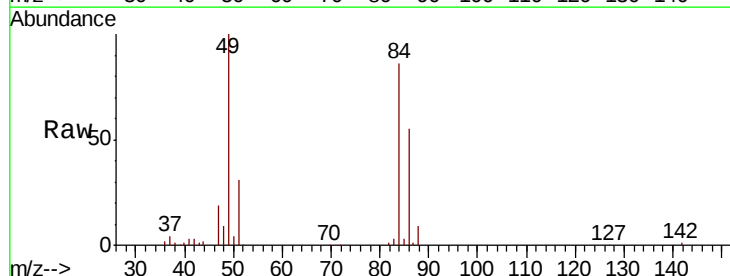
Instrument :
MSVOA_N
ClientSampled :

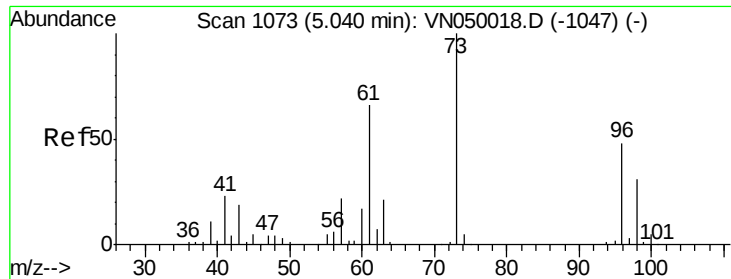
Tot Ion: 73 Resp: 454001
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0



#20
Methylene Chloride
Concen: 19.61 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion: 84 Resp: 186414
Ion Ratio Lower Upper
84 100
49 115.6 94.8 142.2
51 36.3 28.3 42.5
86 63.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.85 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampled :

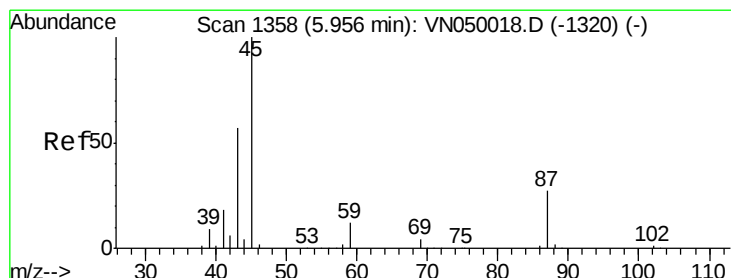
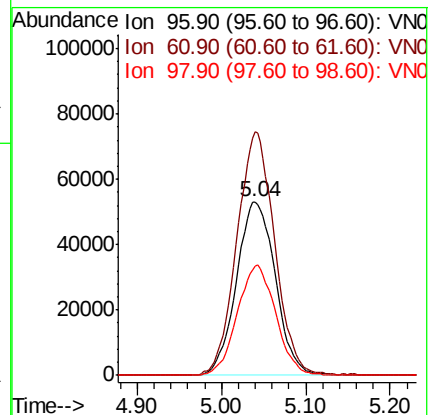
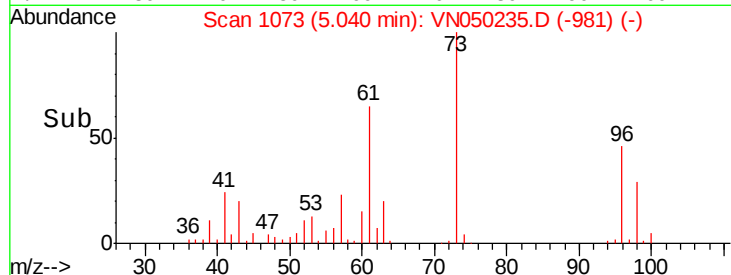
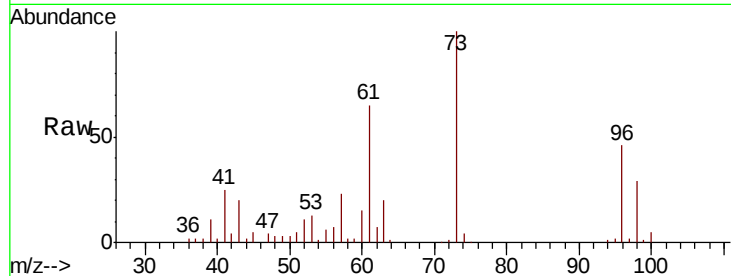
Tot Ion: 96 Resp: 170325

Ion Ratio Lower Upper

96 100

61 140.4 110.7 166.1

98 62.8 51.6 77.4



#22

Diisopropyl ether

Concen: 21.08 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Tgt Ion: 45 Resp: 552735

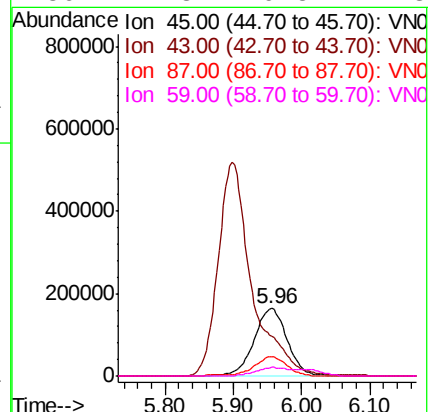
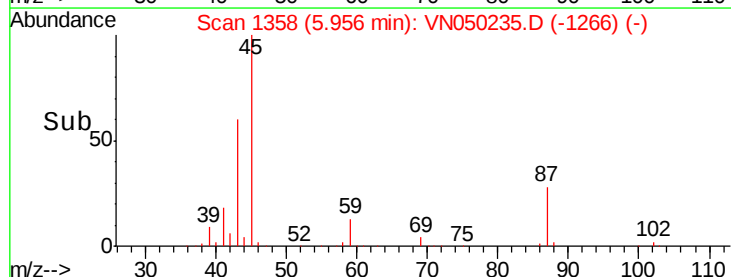
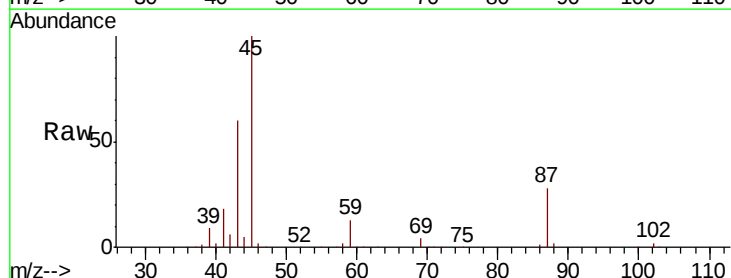
Ion Ratio Lower Upper

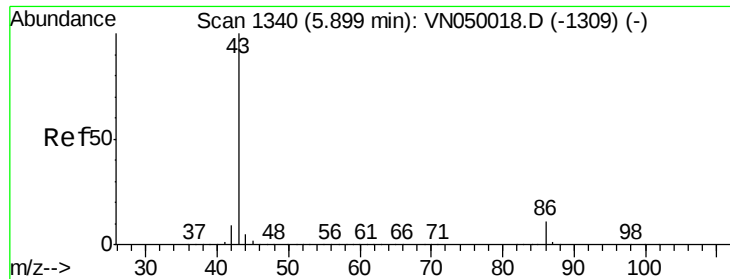
45 100

43 58.3 45.7 68.5

87 28.2 22.7 34.1

59 12.3 9.5 14.3





#23

Vinyl Acetate

Concen: 96.34 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

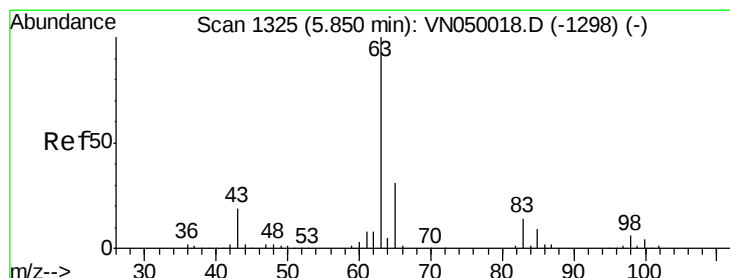
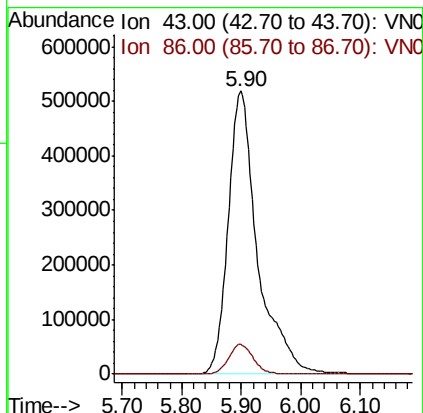
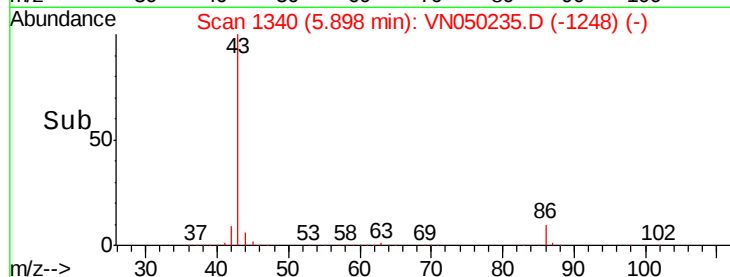
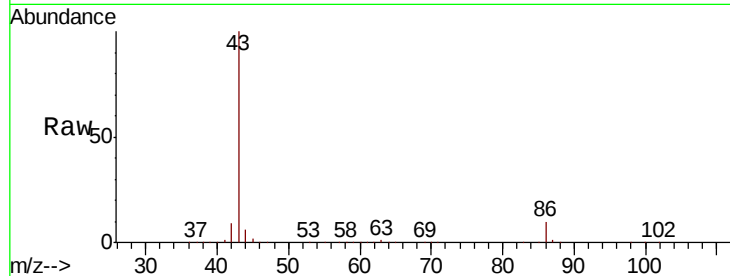
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1784840

Ion Ratio Lower Upper

43 100

86 10.4 8.6 13.0



#24

1,1-Dichloroethane

Concen: 19.23 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

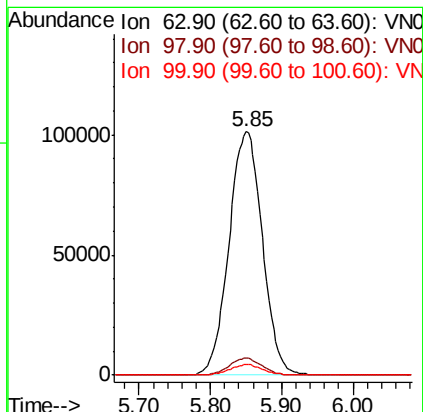
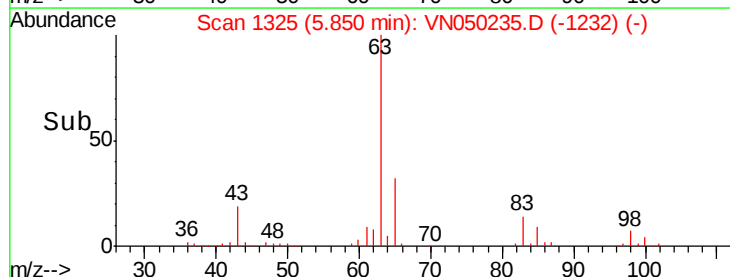
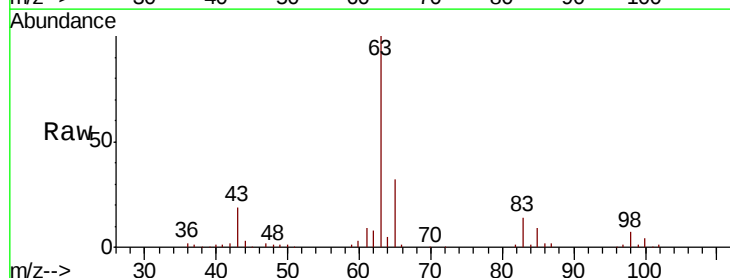
Tgt Ion: 63 Resp: 329742

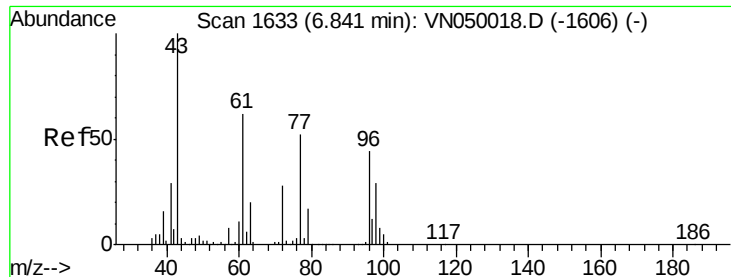
Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.8

100 4.3 2.1 6.3





#25

2-Butanone

Concen: 104.14 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

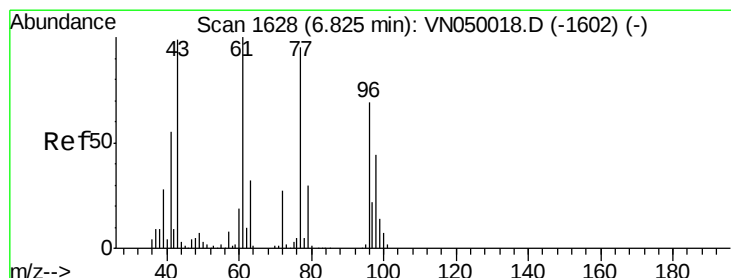
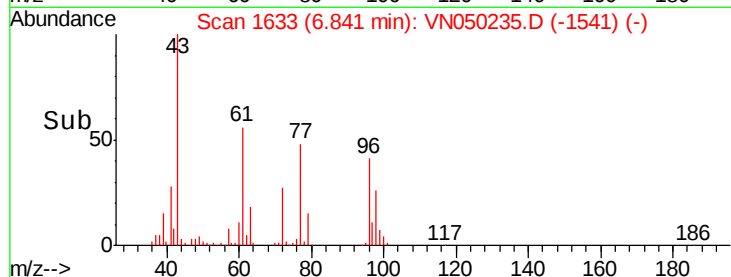
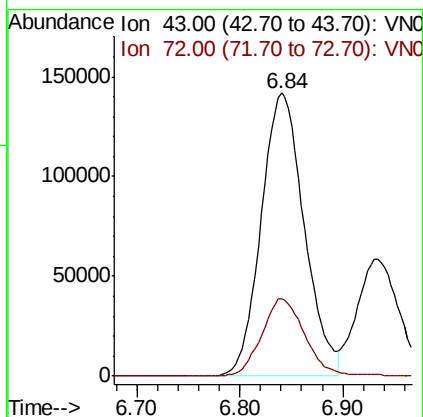
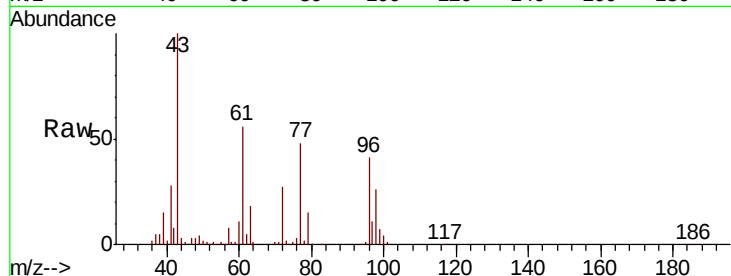
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 410022

Ion Ratio Lower Upper

43 100

72 27.3 21.5 32.3



#26

2,2-Dichloropropane

Concen: 21.16 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050235.D

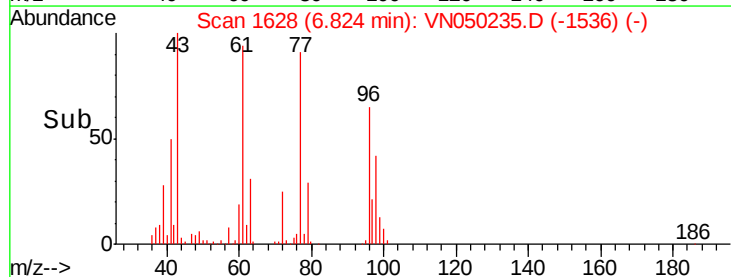
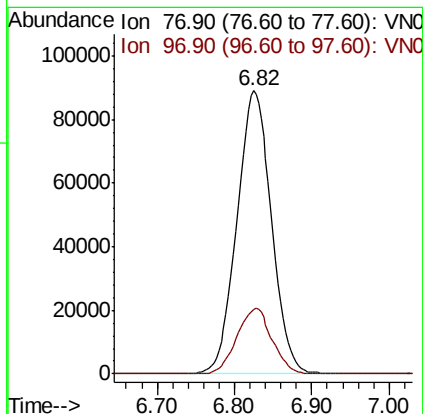
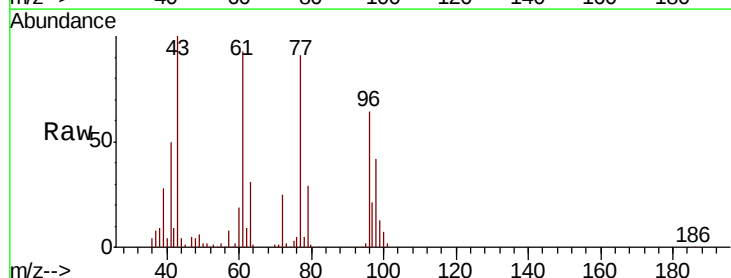
Acq: 1 Aug 2018 9:21

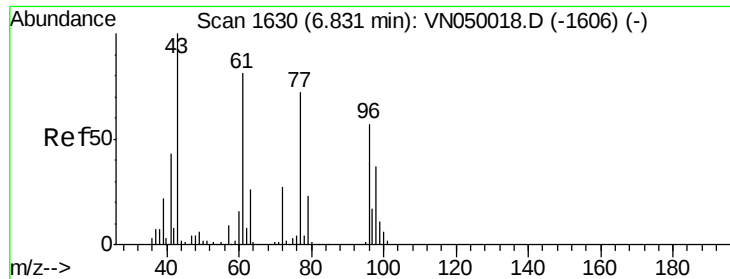
Tgt Ion: 77 Resp: 275951

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3

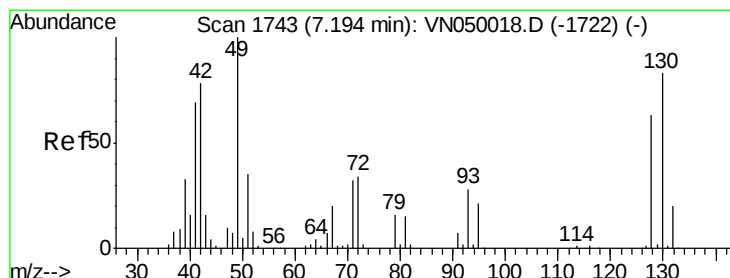
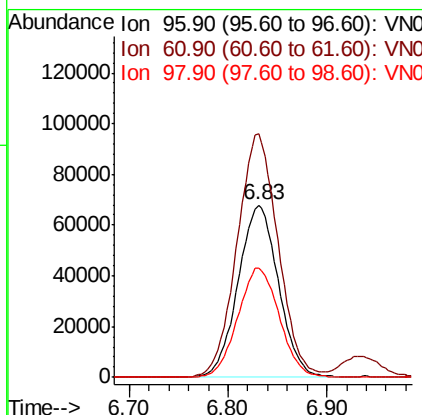
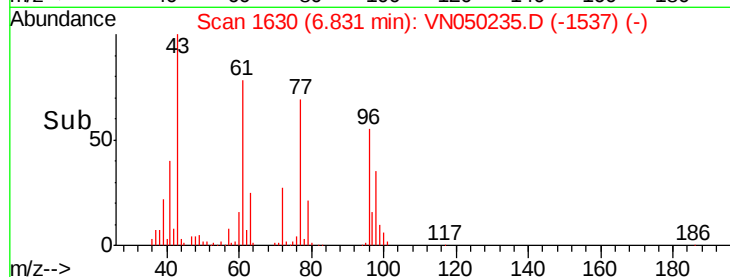
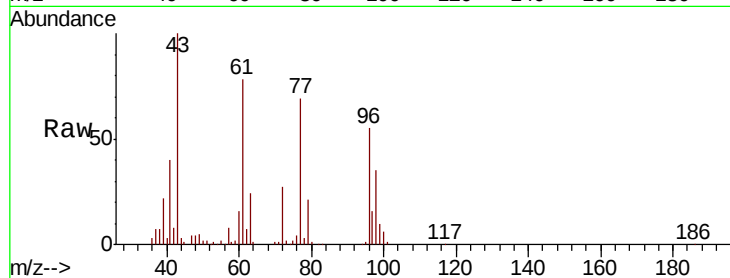




#27
 cis-1,2-Dichloroethene
 Concen: 19.79 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

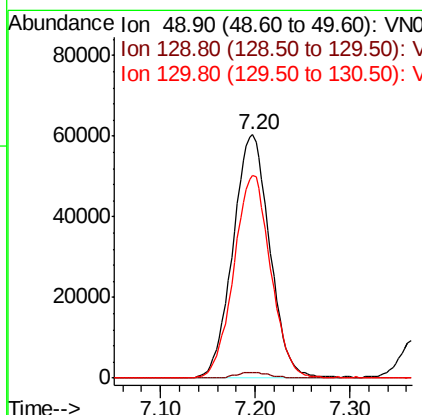
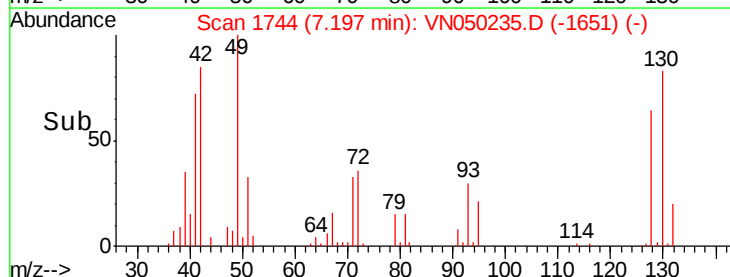
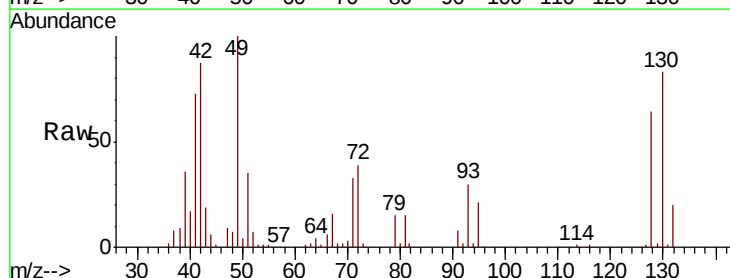
Instrument :
 MSVOA_N
 ClientSampled :

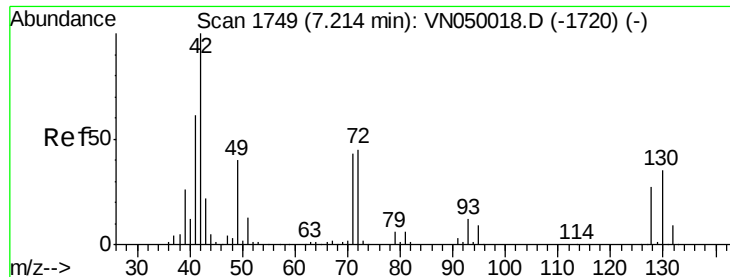
Tot Ion: 96 Resp: 192449
 Ion Ratio Lower Upper
 96 100
 61 143.8 0.0 285.0
 98 65.4 0.0 129.2



#28
 Bromochloromethane
 Concen: 20.90 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion: 49 Resp: 163383
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.0
 130 83.3 66.3 99.5

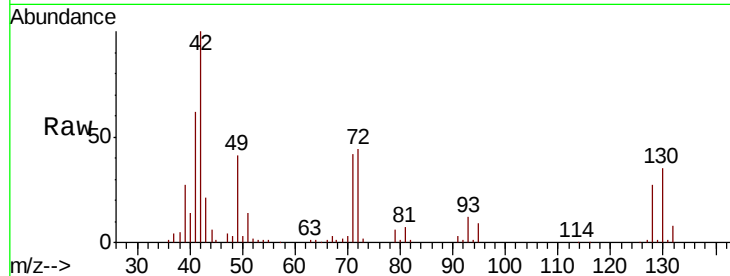




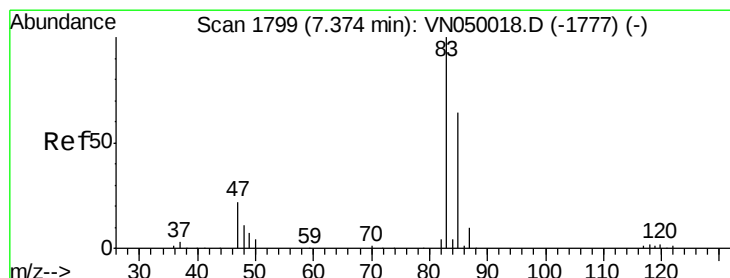
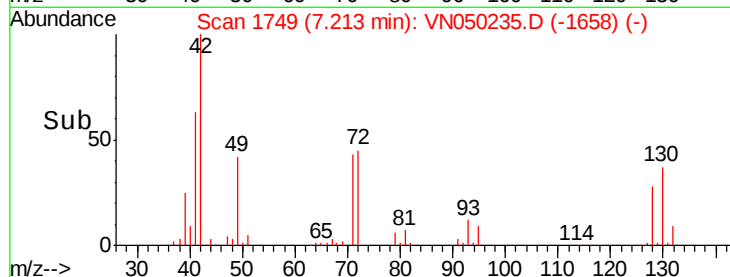
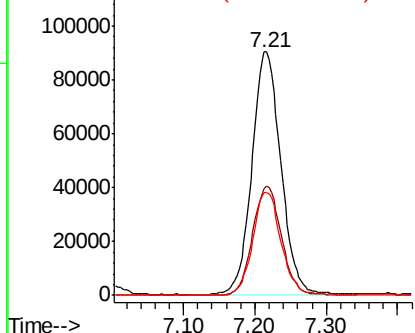
#29
Tetrahydrofuran
Concen: 100.11 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 254683
Ion Ratio Lower Upper
42 100
72 44.5 35.9 53.9
71 41.3 33.7 50.5

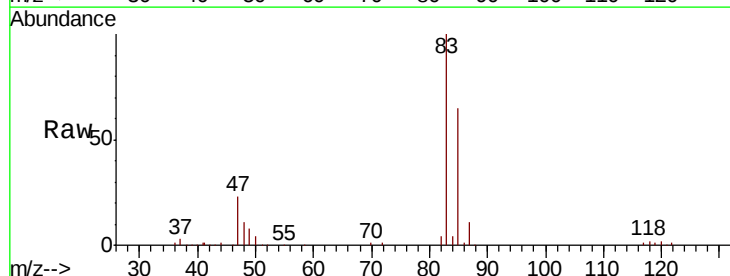


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

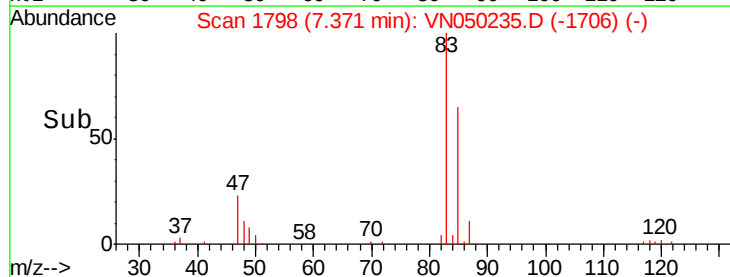
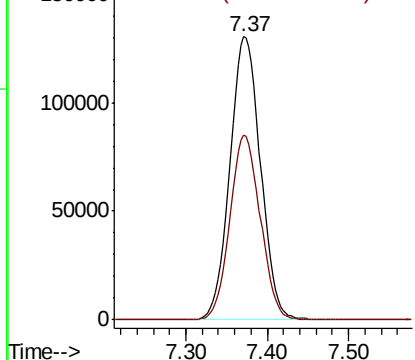


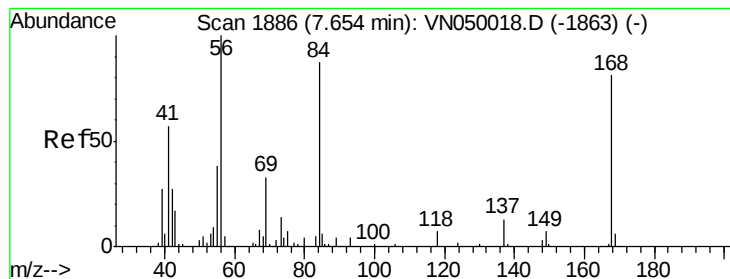
#30
Chloroform
Concen: 19.50 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion: 83 Resp: 341141
Ion Ratio Lower Upper
83 100
85 65.2 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.07 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

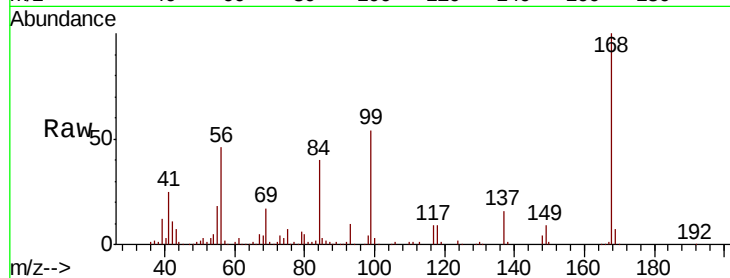
Tot Ion: 56 Resp: 271762

Ion Ratio Lower Upper

56 100

69 37.1 26.2 39.4

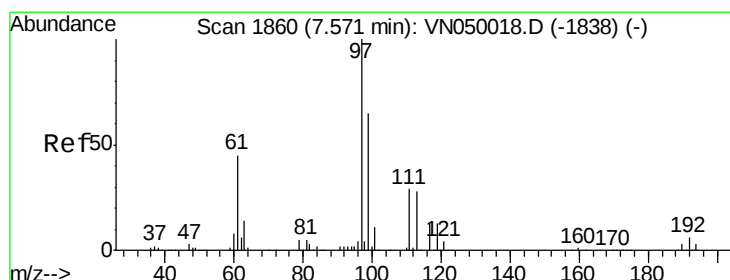
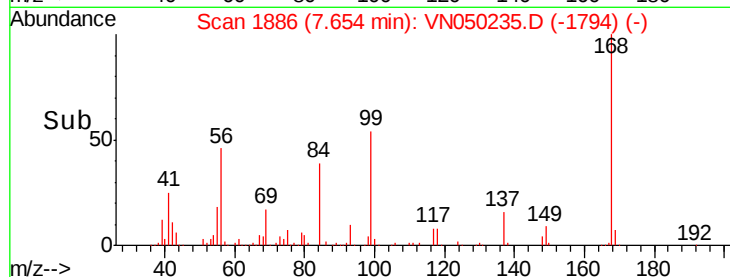
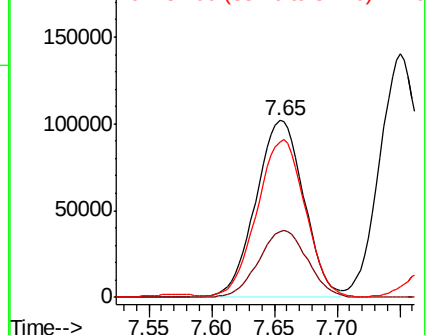
84 87.0 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.90 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

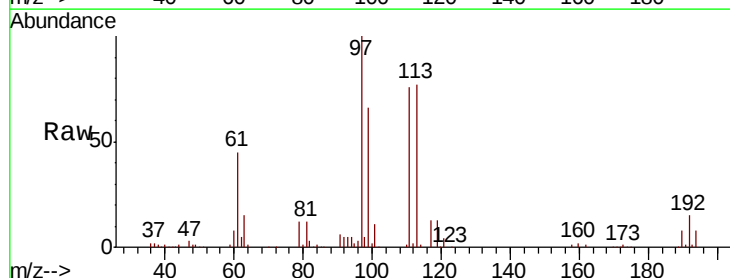
Tgt Ion: 97 Resp: 282855

Ion Ratio Lower Upper

97 100

99 65.7 51.4 77.0

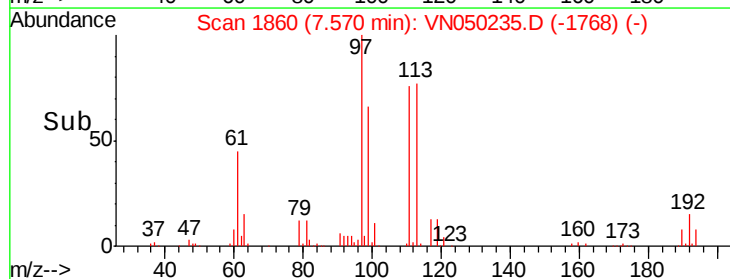
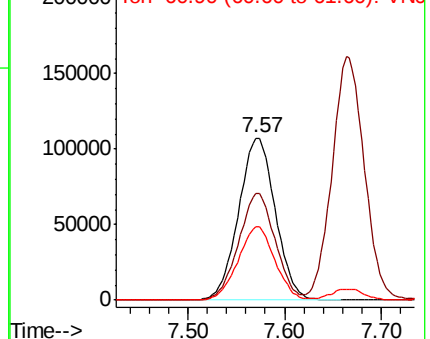
61 45.2 35.4 53.0

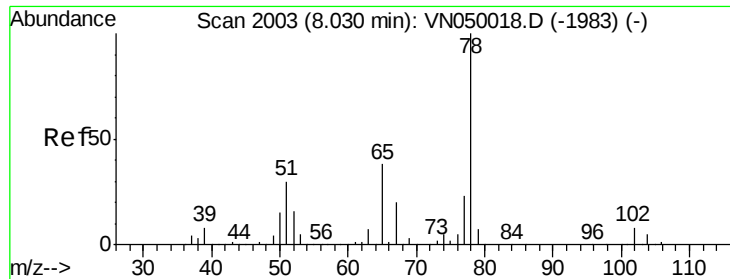


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.50 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

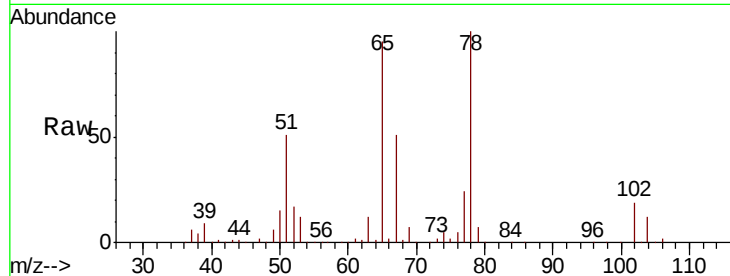
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 500591

Ion Ratio Lower Upper

65 100

67 53.9 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

8.03

250000

200000

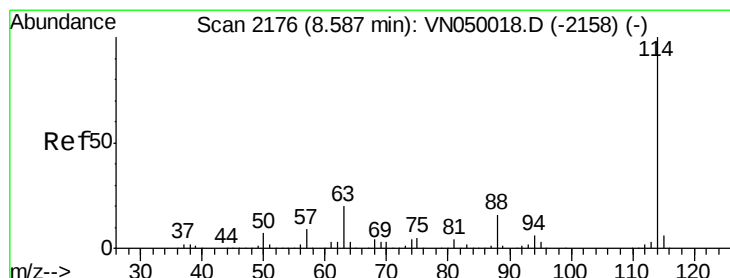
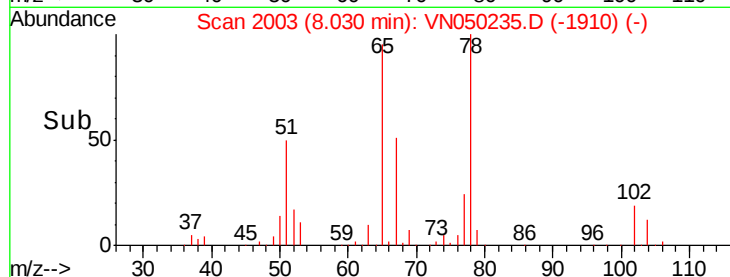
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

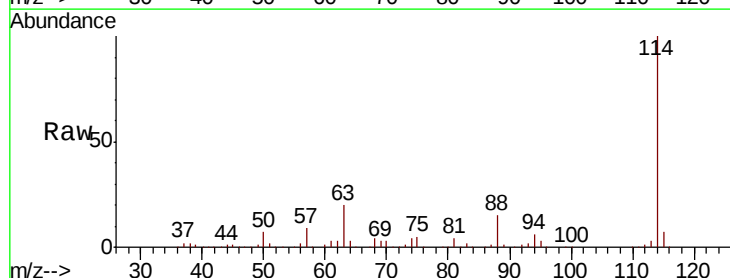
Tgt Ion:114 Resp: 1079950

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 15.2 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050018.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050018.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050018.D (-2158) (-)

8.59

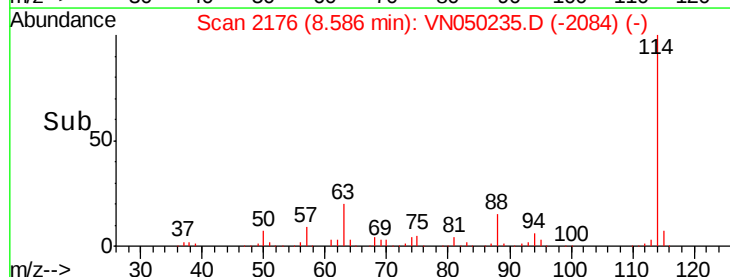
600000

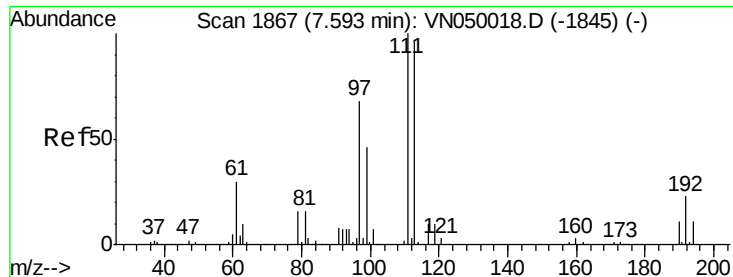
400000

200000

0

Time-->

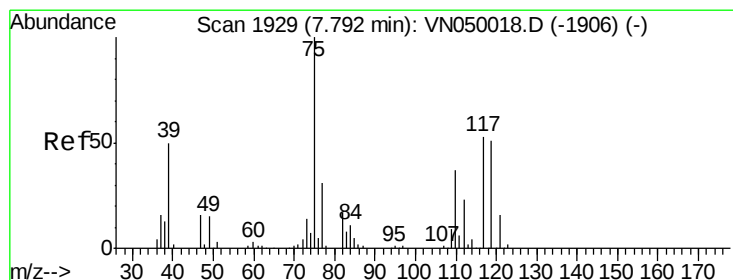
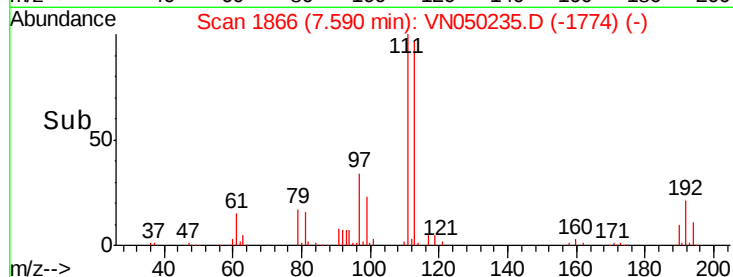
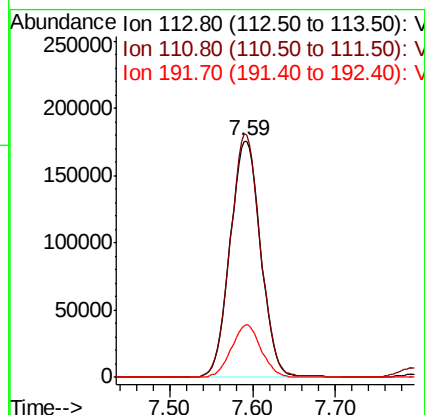
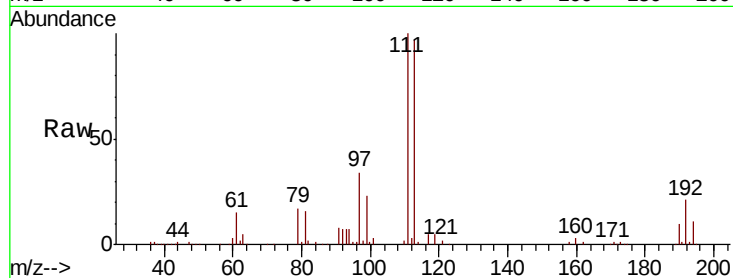




#35
 Dibromofluoromethane
 Concen: 51.35 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

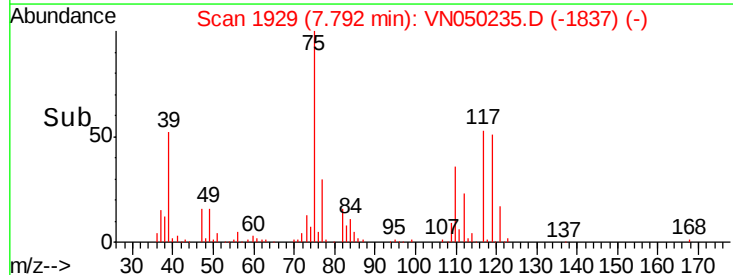
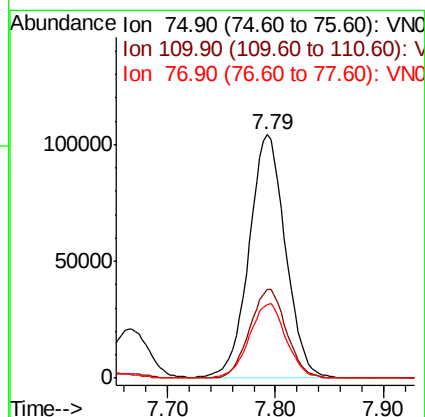
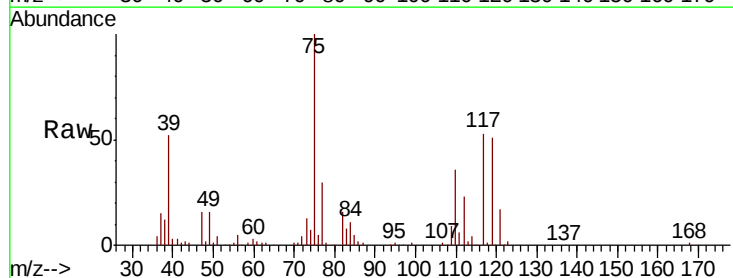
Instrument :
 MSVOA_N
 ClientSampled :

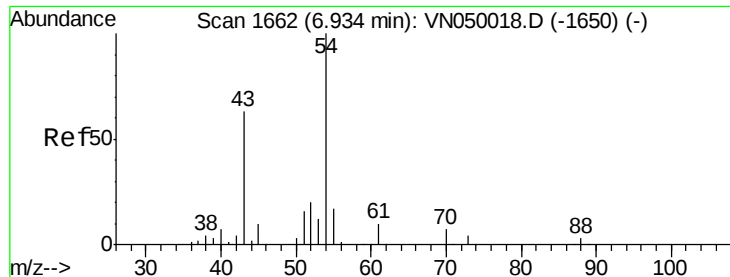
Tot Ion:113 Resp: 452804
 Ion Ratio Lower Upper
 113 100
 111 101.3 80.7 121.1
 192 21.6 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 20.00 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion: 75 Resp: 243293
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.4 55.2
 77 31.2 25.3 37.9

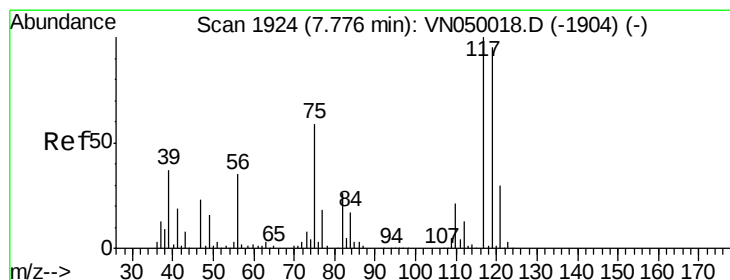
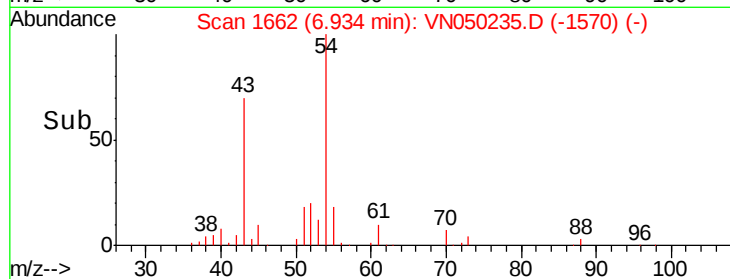
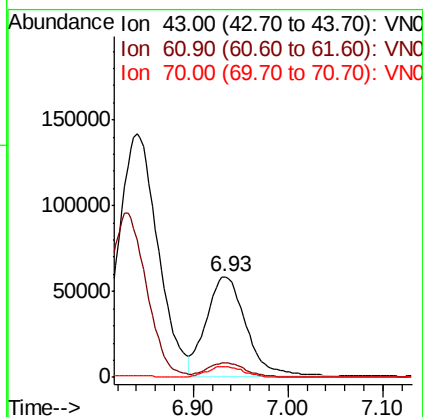
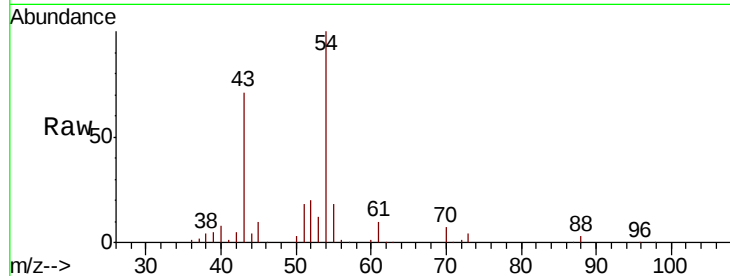




#37
Ethyl Acetate
Concen: 19.96 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

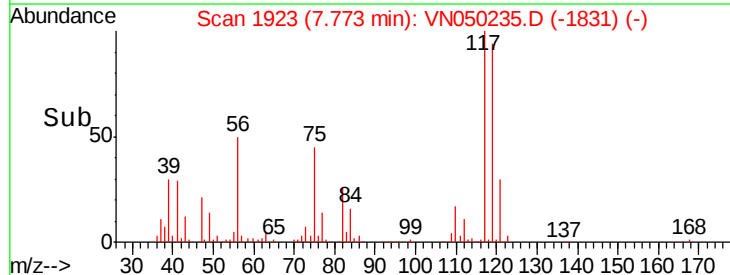
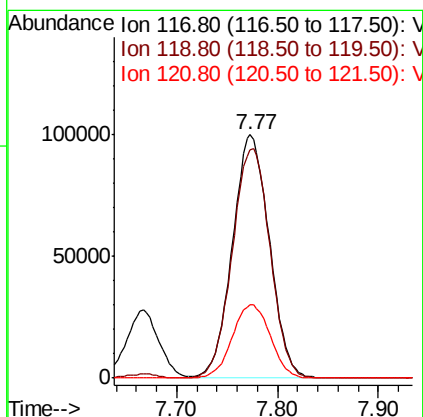
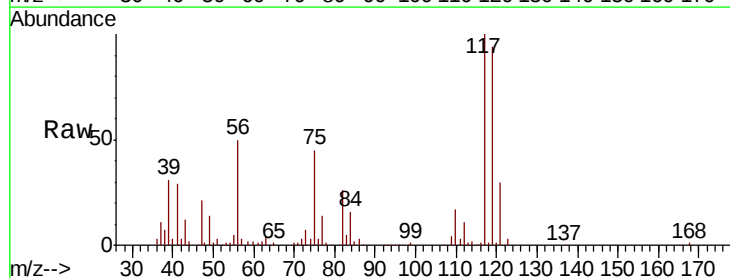
Instrument :
MSVOA_N
ClientSampleId :

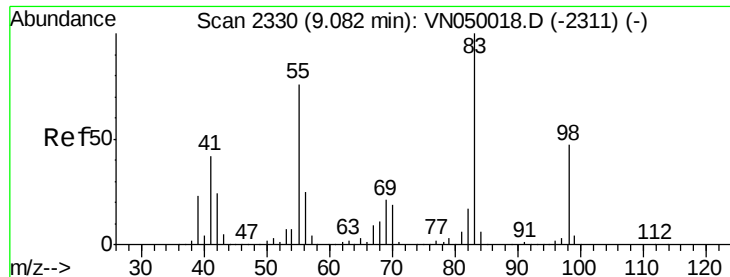
Tot Ion: 43 Resp: 169349
Ion Ratio Lower Upper
43 100
61 13.8 11.8 17.8
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.68 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion: 117 Resp: 254043
Ion Ratio Lower Upper
117 100
119 93.6 77.4 116.0
121 30.0 23.9 35.9

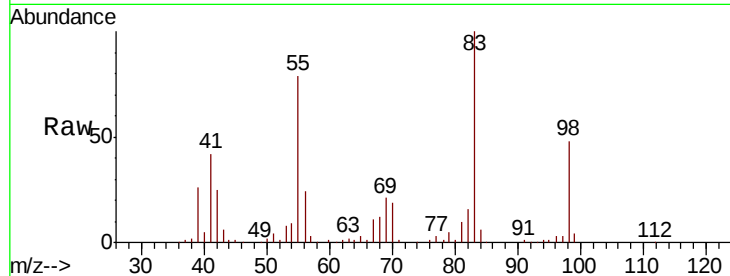




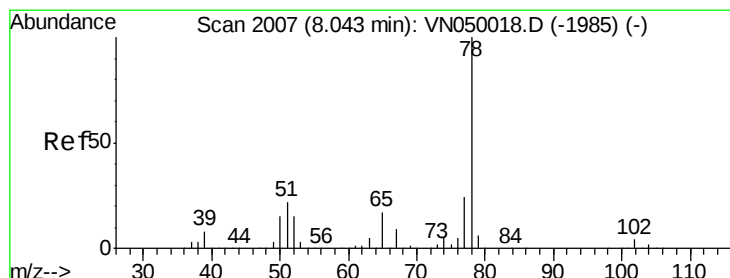
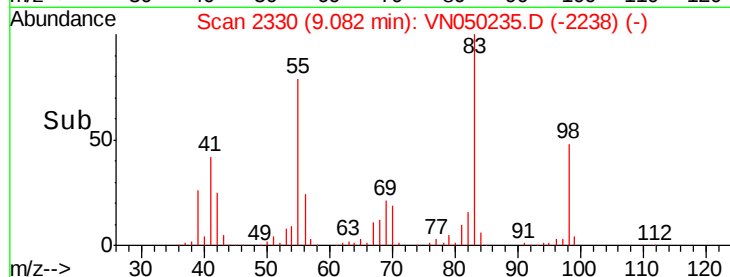
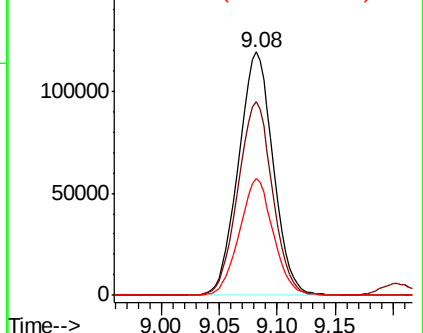
#39
Methvlcvclohexane
Concen: 19.83 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 248204
Ion Ratio Lower Upper
83 100
55 79.4 61.8 92.8
98 48.1 36.5 54.7

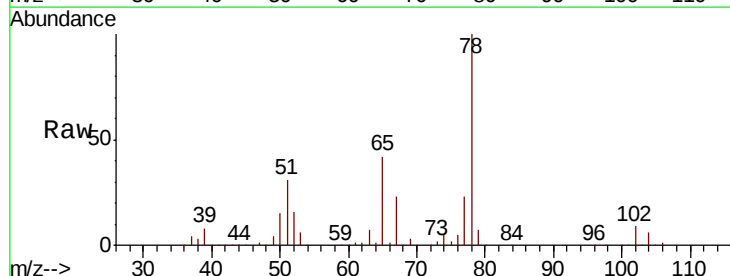


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

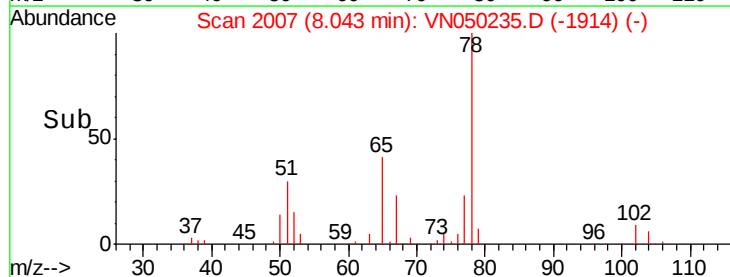
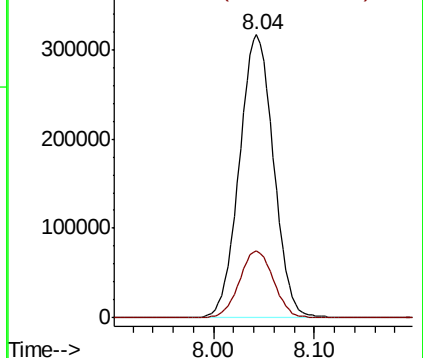


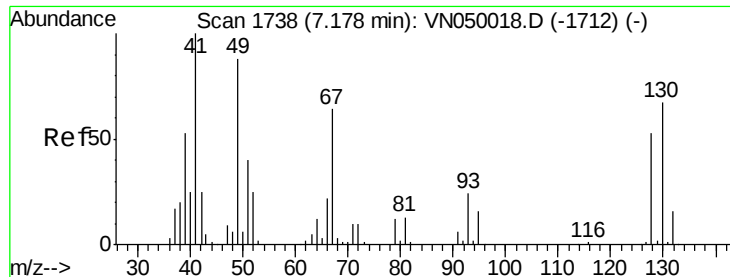
#40
Benzene
Concen: 20.05 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion: 78 Resp: 742508
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1



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

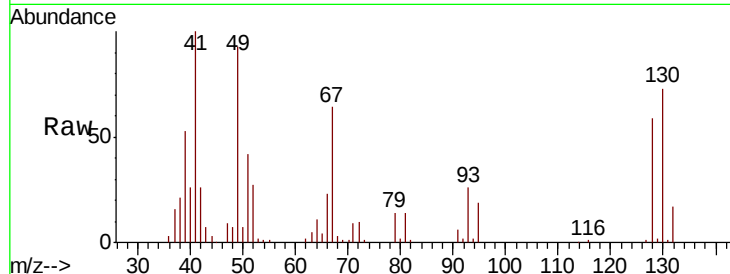




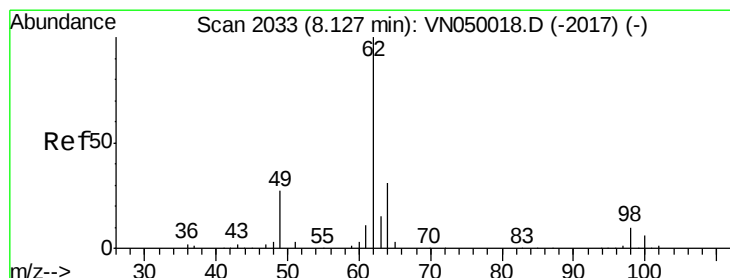
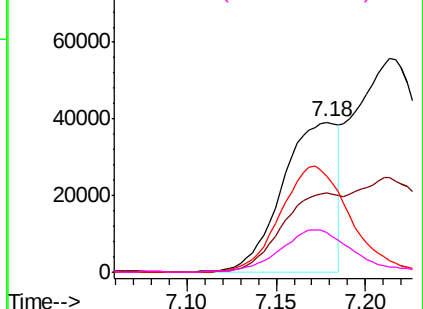
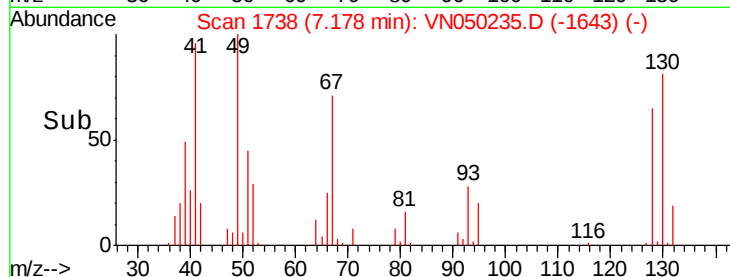
#41
Methacrylonitrile
Concen: 20.85 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	84606
Ion	Ratio	Lower	Upper
41	100		
39	57.4	55.8	83.6
67	88.9	84.3	126.5
52	37.4	34.2	51.2

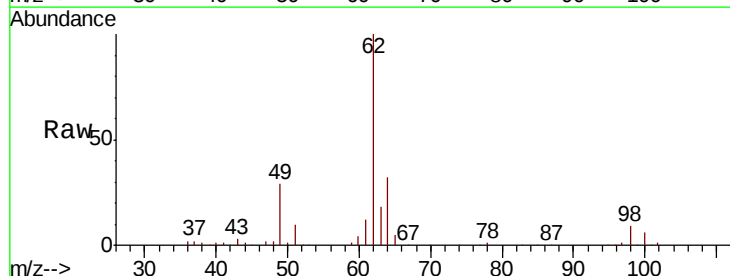


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

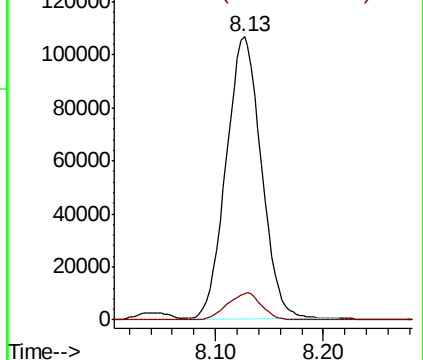
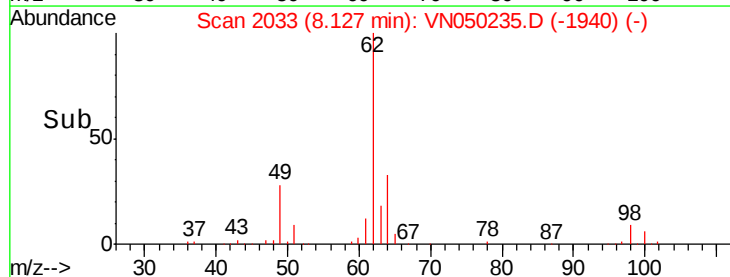


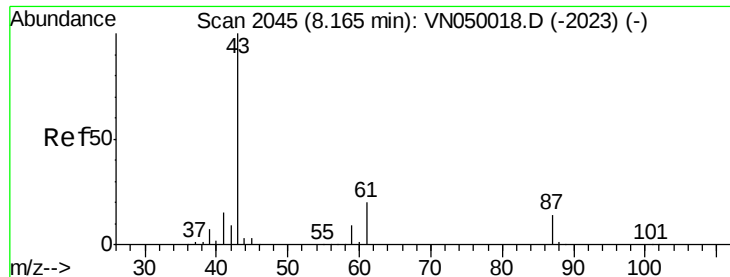
#42
1,2-Dichloroethane
Concen: 19.62 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion:	62	Resp:	242367
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.8



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





#43

Isopropyl Acetate

Concen: 20.55 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :

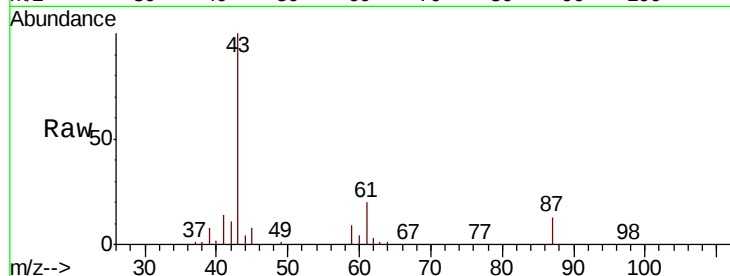
Tot Ion: 43 Resp: 339247

Ion Ratio Lower Upper

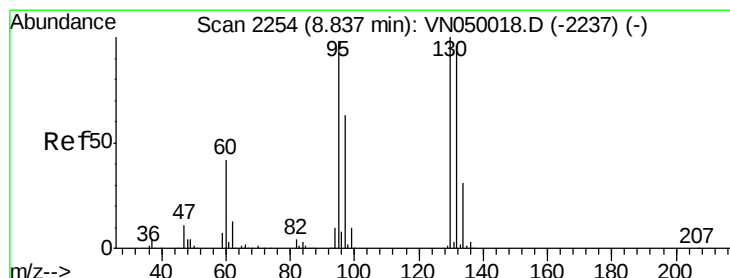
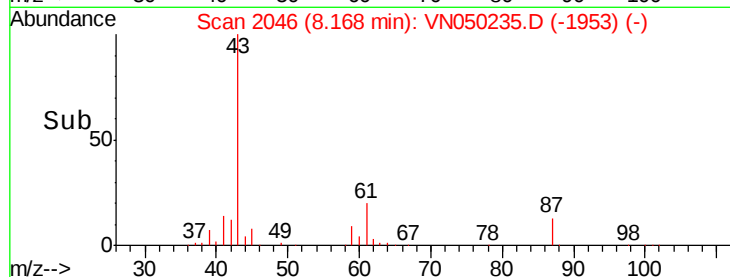
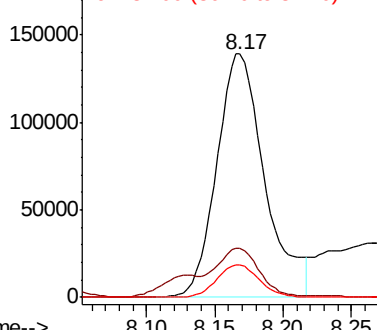
43 100

61 17.0 15.8 23.6

87 11.9 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.73 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050235.D

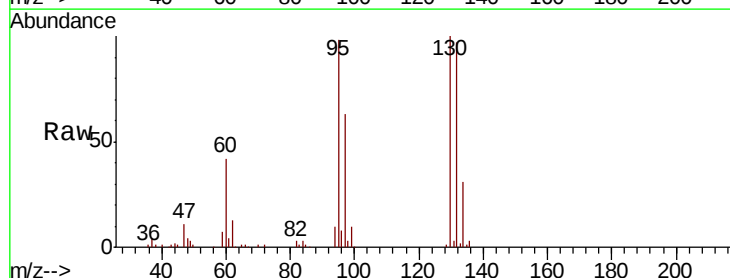
Acq: 1 Aug 2018 9:21

Tgt Ion:130 Resp: 196255

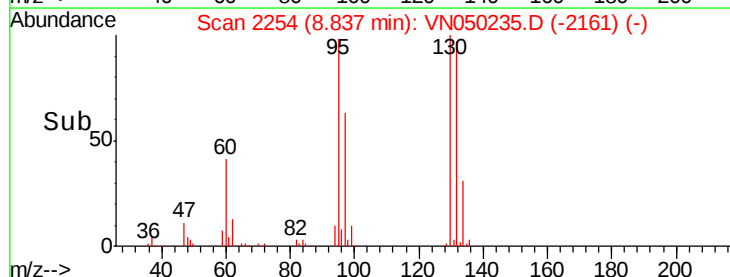
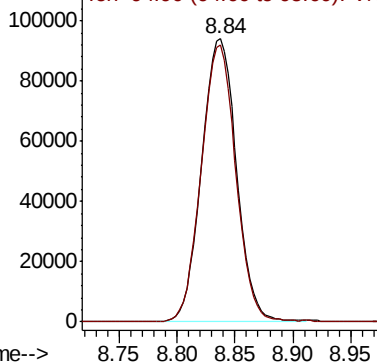
Ion Ratio Lower Upper

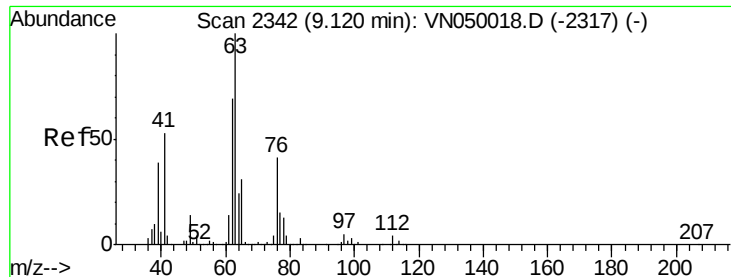
130 100

95 97.9 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.33 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

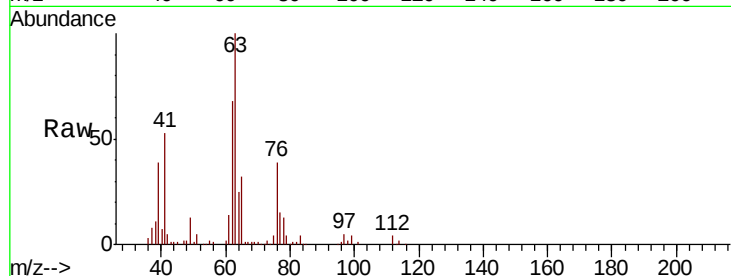
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 199358

Ion Ratio Lower Upper

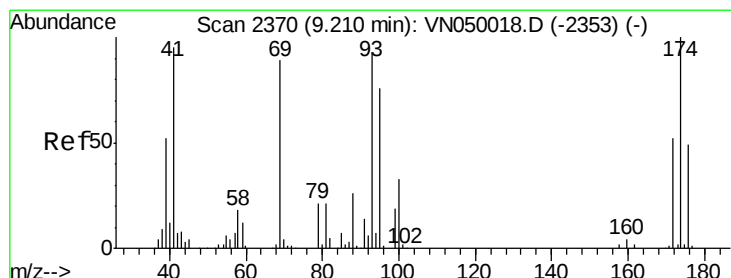
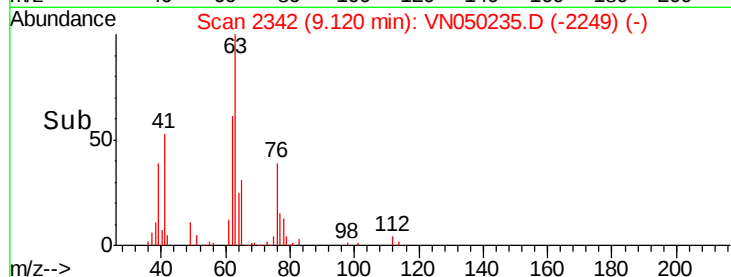
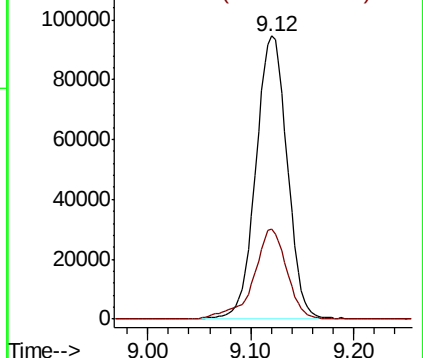
63 100

65 31.7 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.32 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

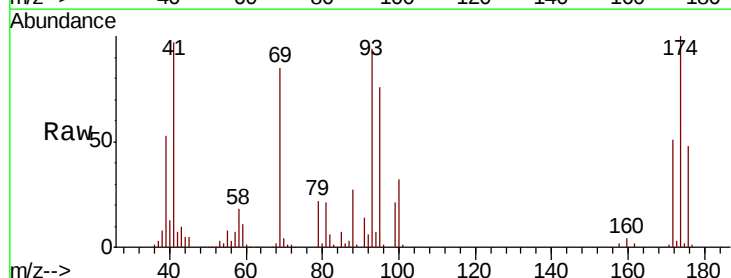
Tgt Ion: 93 Resp: 123704

Ion Ratio Lower Upper

93 100

95 81.9 66.6 100.0

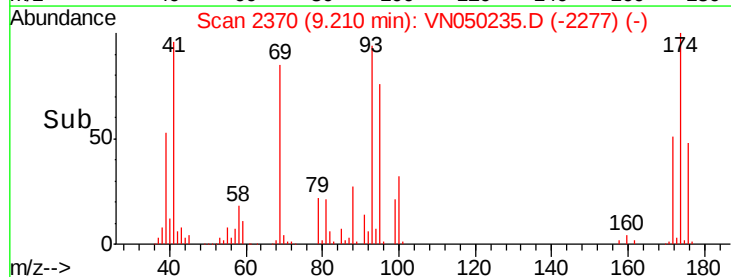
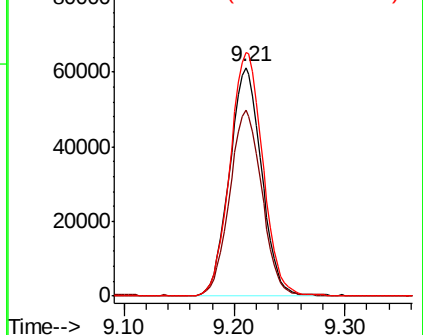
174 109.0 87.1 130.7

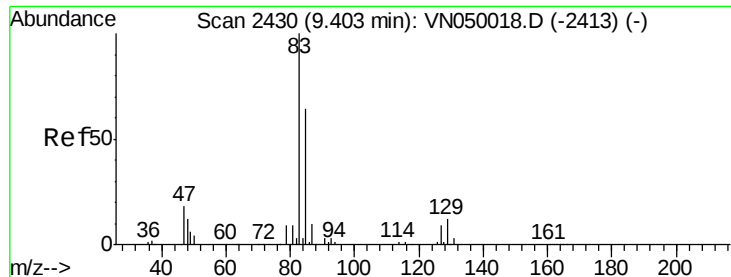


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.06 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :

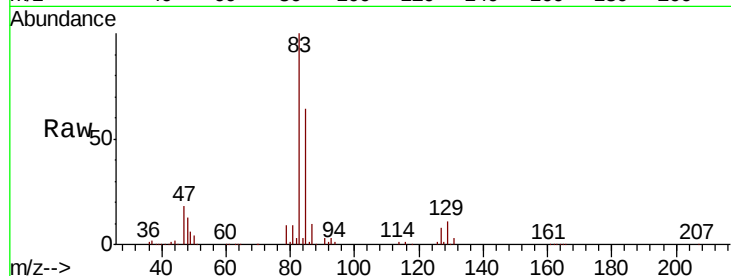
Tot Ion: 83 Resp: 257843

Ion Ratio Lower Upper

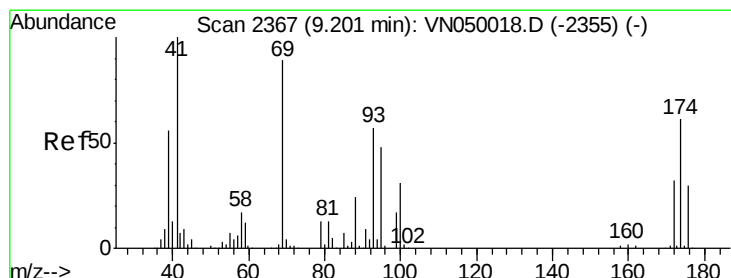
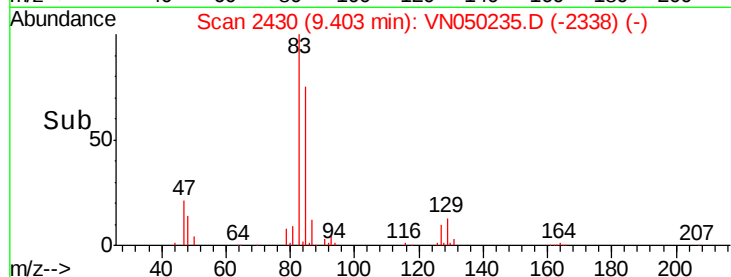
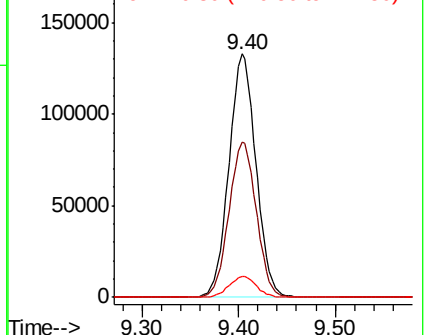
83 100

85 63.6 51.1 76.7

127 8.5 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.38 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

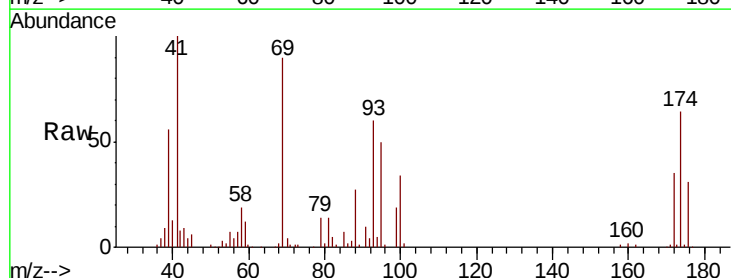
Tgt Ion: 41 Resp: 148894

Ion Ratio Lower Upper

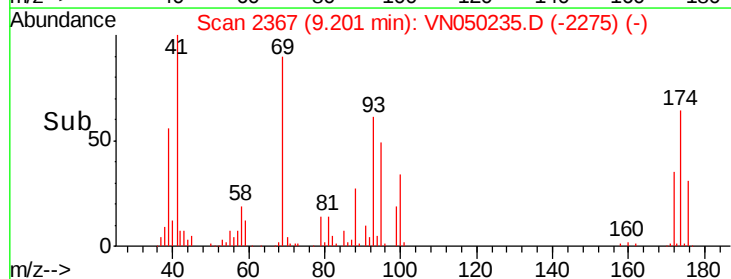
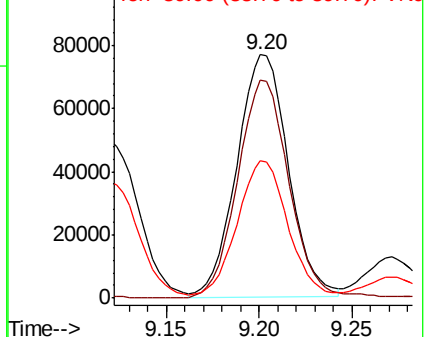
41 100

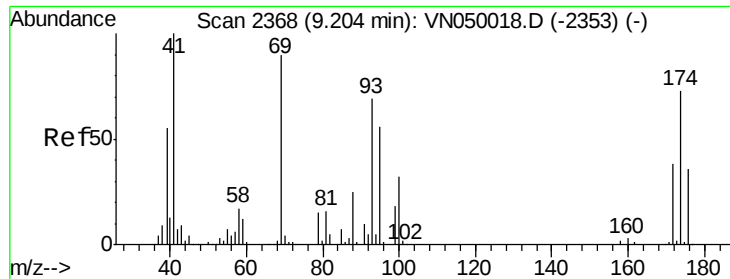
69 90.6 70.6 105.8

39 55.8 43.9 65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

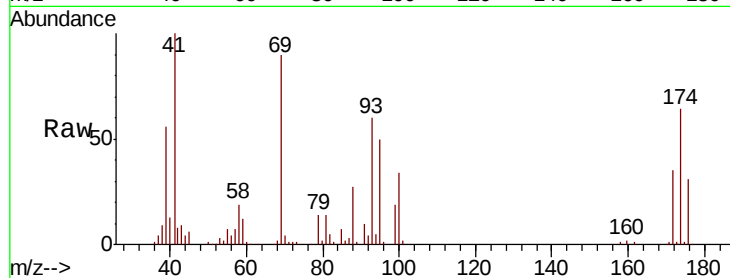




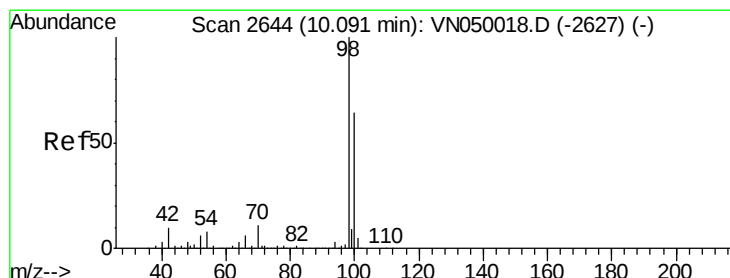
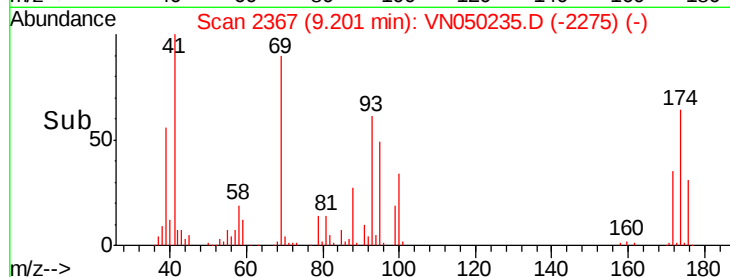
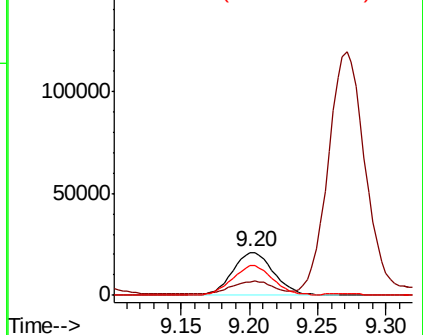
#49
 1,4-Dioxane
 Concen: 445.66 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 44309
 Ion Ratio Lower Upper
 88 100
 43 31.0 26.9 40.3
 58 67.9 57.3 85.9

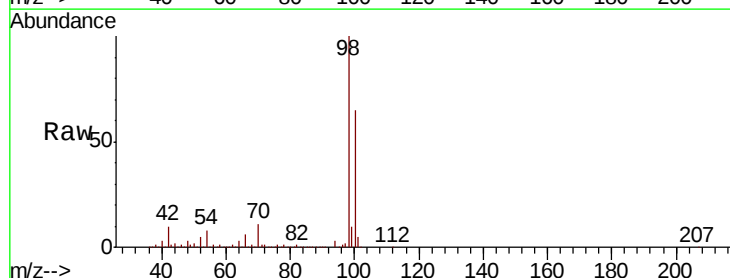


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

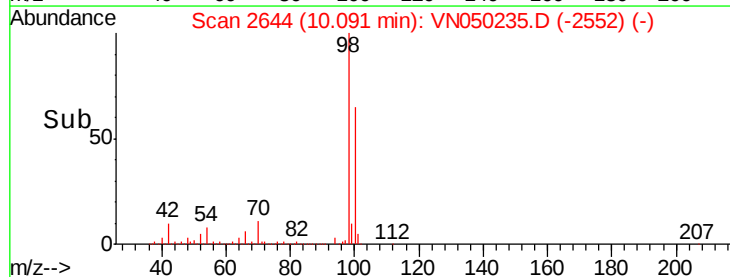
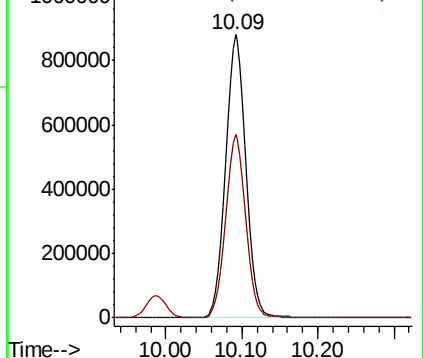


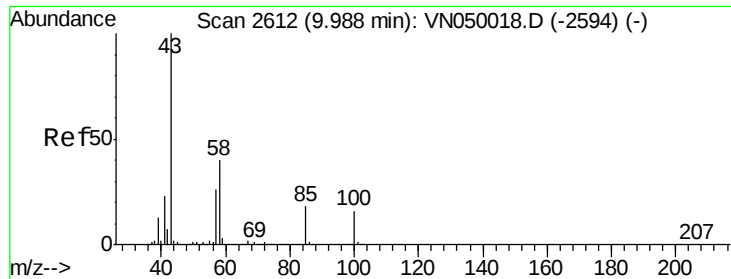
#50
 Toluene-d8
 Concen: 50.75 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion: 98 Resp: 1645205
 Ion Ratio Lower Upper
 98 100
 100 64.3 50.7 76.1



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

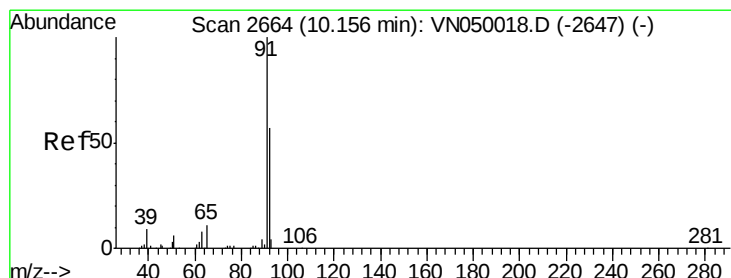
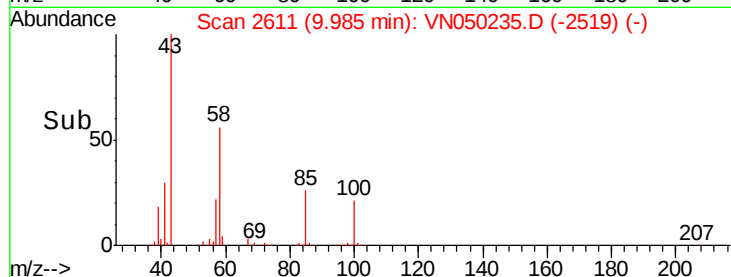
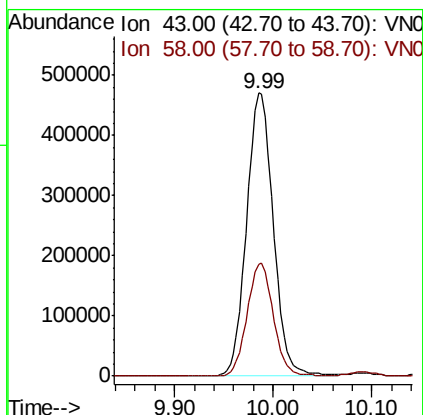
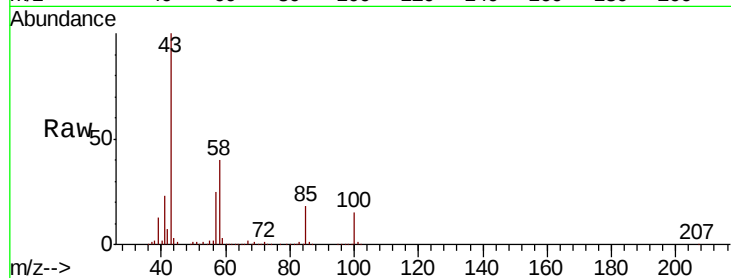




#51
 4-Methyl-2-Pentanone
 Concen: 104.95 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

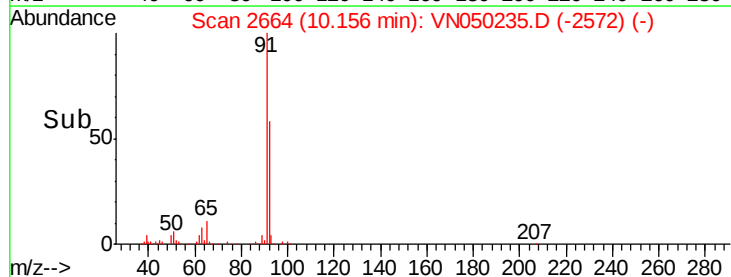
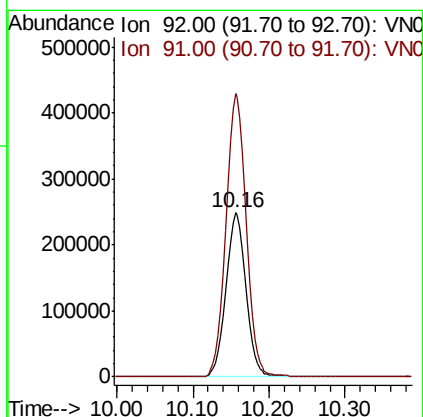
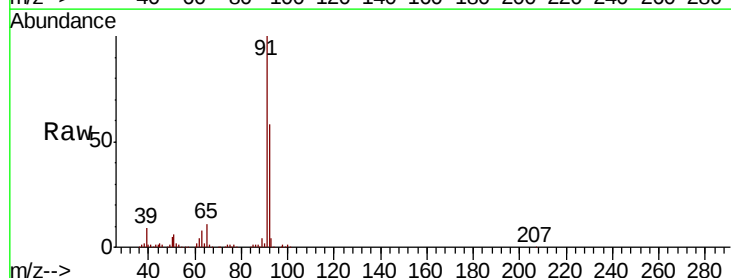
Instrument :
 MSVOA_N
 ClientSampled :

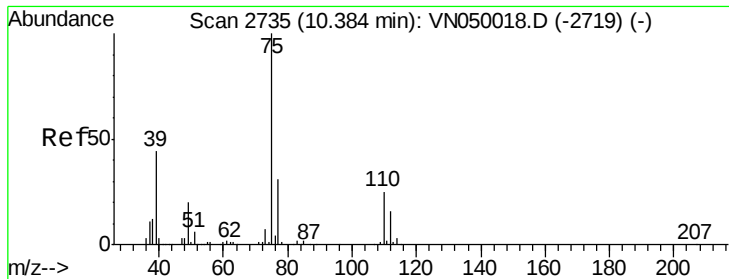
Tot Ion: 43 Resp: 875173
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.9 47.9



#52
 Toluene
 Concen: 21.08 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion: 92 Resp: 460650
 Ion Ratio Lower Upper
 92 100
 91 173.1 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 20.97 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

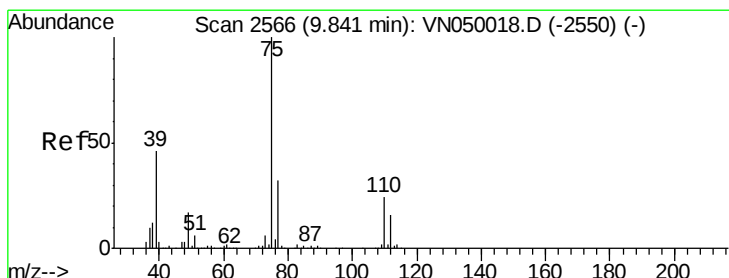
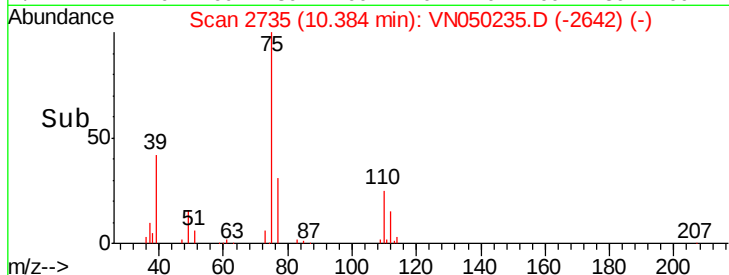
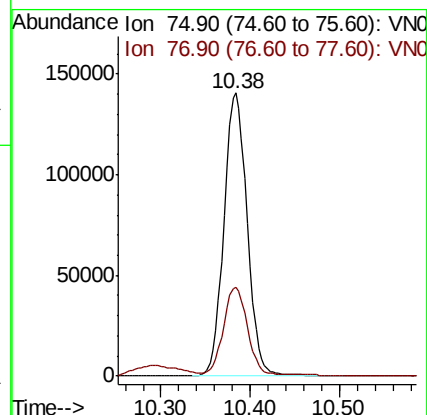
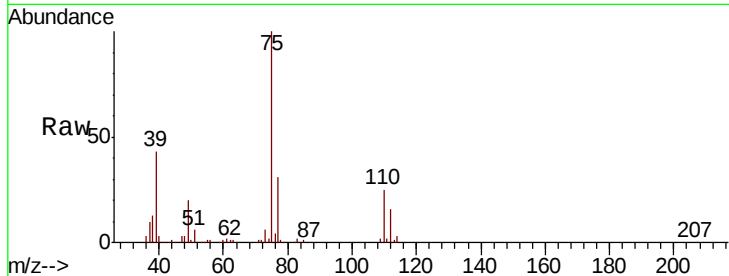
ClientSampled :

Tot Ion: 75 Resp: 254295

Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.91 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

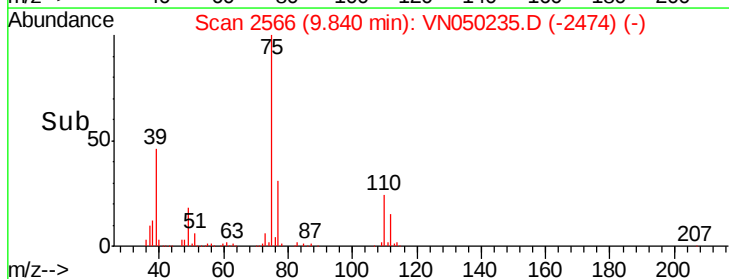
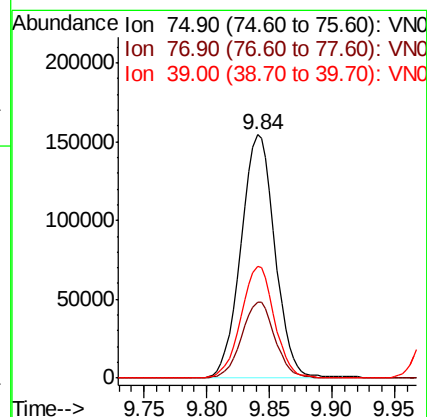
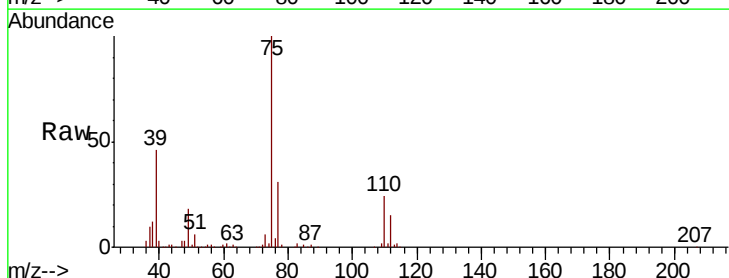
Tgt Ion: 75 Resp: 289800

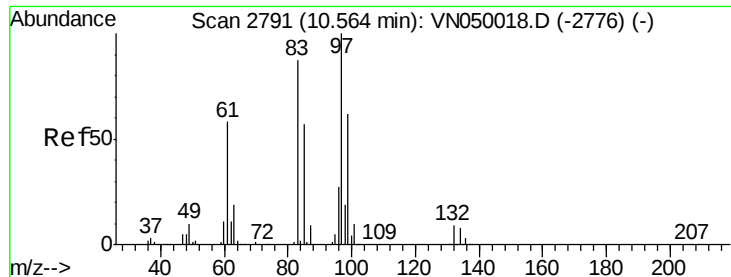
Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

39 45.8 36.6 55.0

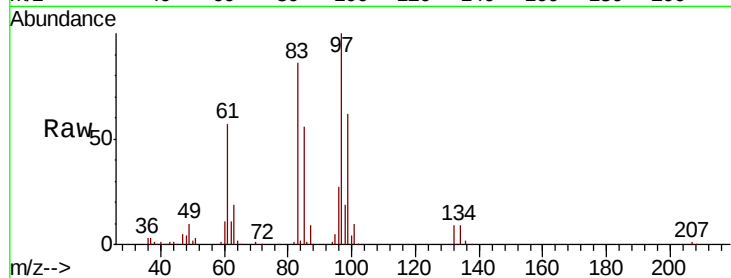




#55
 1,1,2-Trichloroethane
 Concen: 20.43 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	97	Resp	177087
Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.2	103.8
85	56.1	44.0	66.0
99	61.6	49.9	74.9



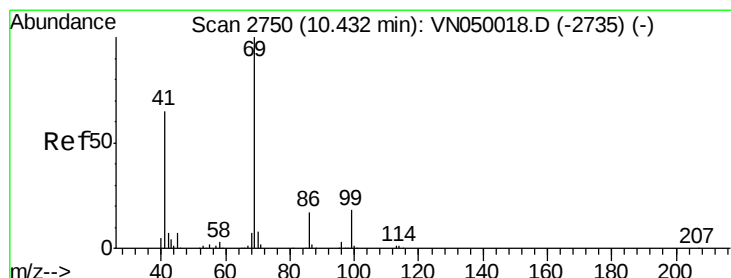
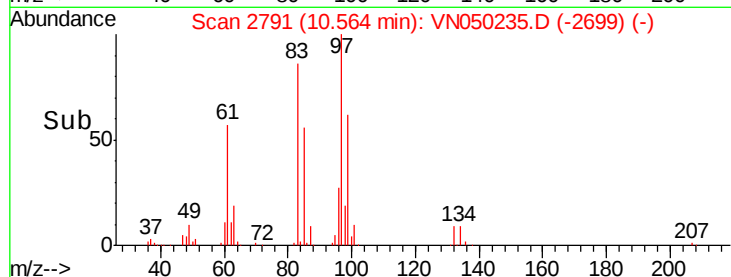
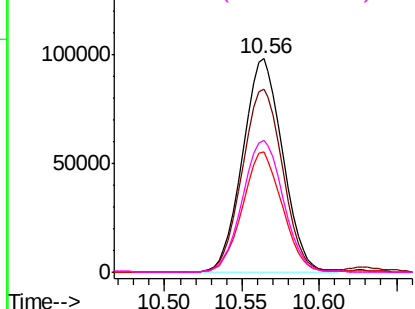
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

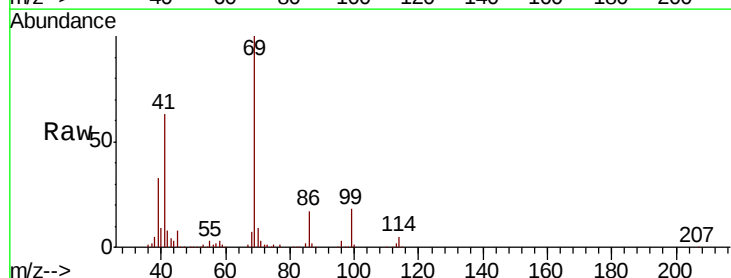
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 19.60 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion	69	Resp	215056
Ion	Ratio	Lower	Upper
69	100		
41	63.3	51.0	76.4
39	32.0	26.6	40.0

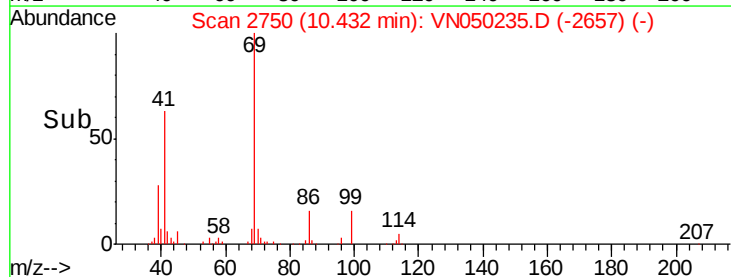
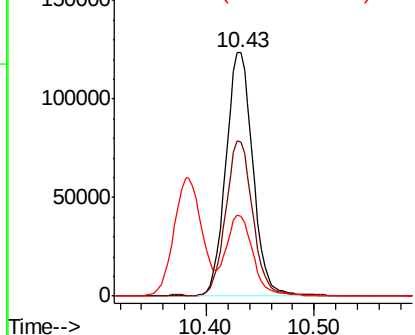


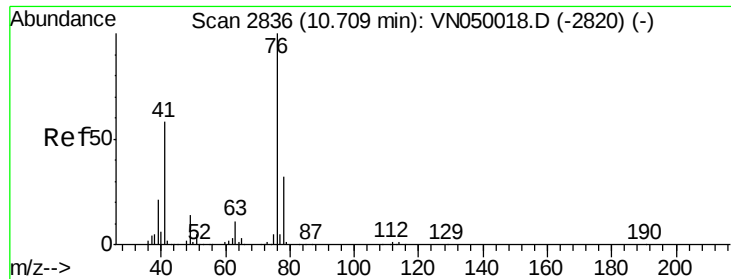
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 20.58 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

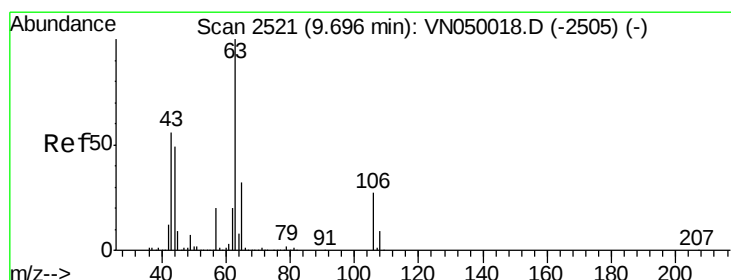
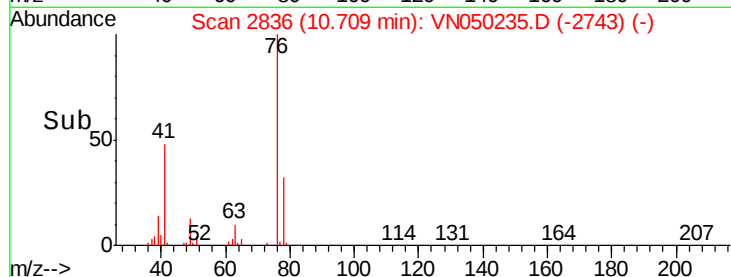
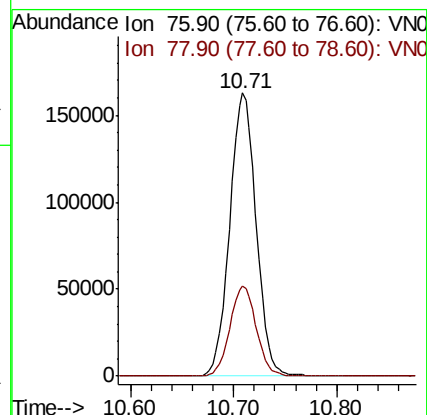
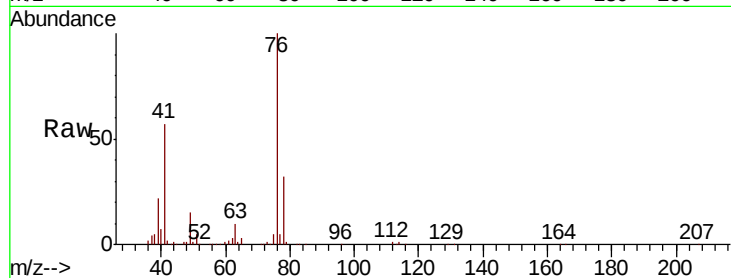
ClientSampled :

Tot Ion: 76 Resp: 290459

Ion Ratio Lower Upper

76 100

78 31.8 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 95.07 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050235.D

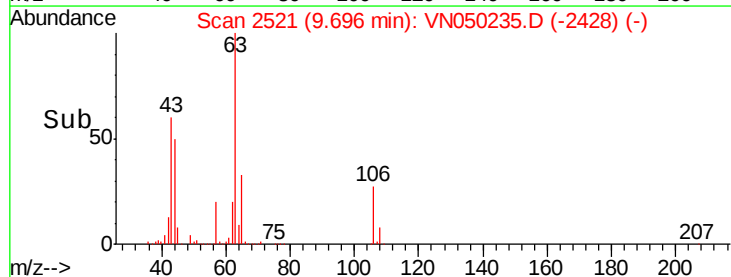
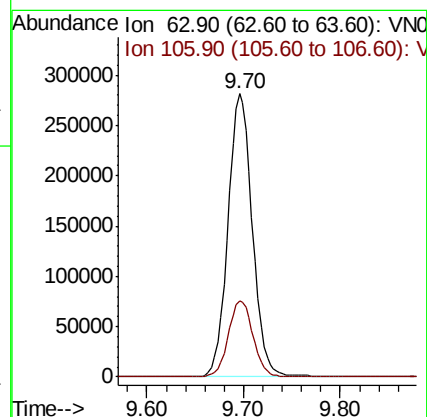
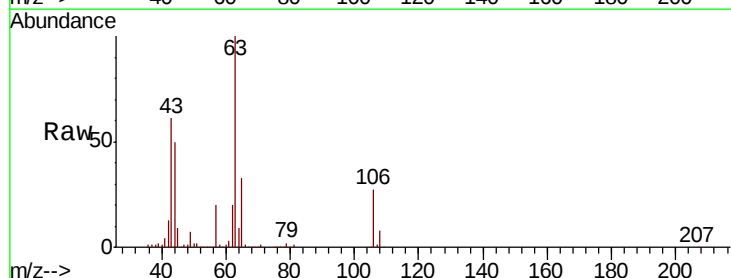
Acq: 1 Aug 2018 9:21

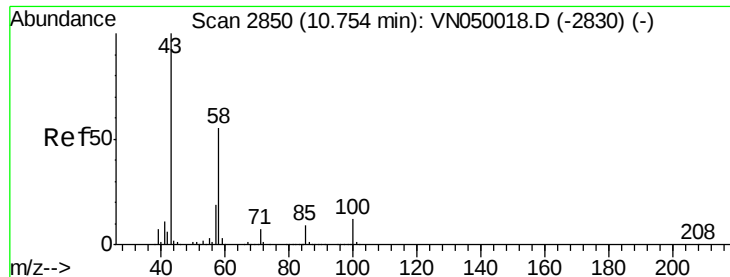
Tgt Ion: 63 Resp: 491551

Ion Ratio Lower Upper

63 100

106 27.4 21.7 32.5

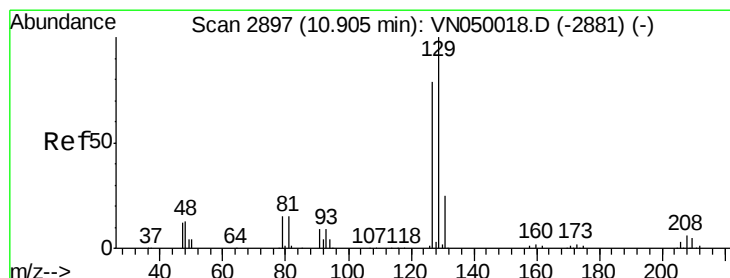
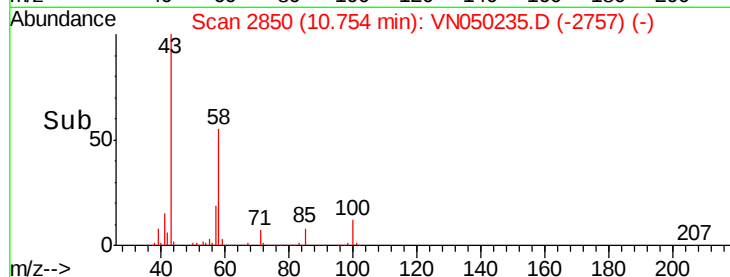
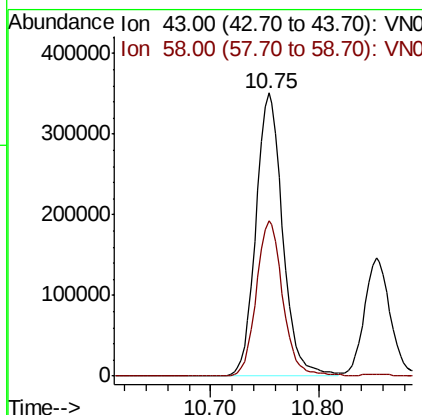
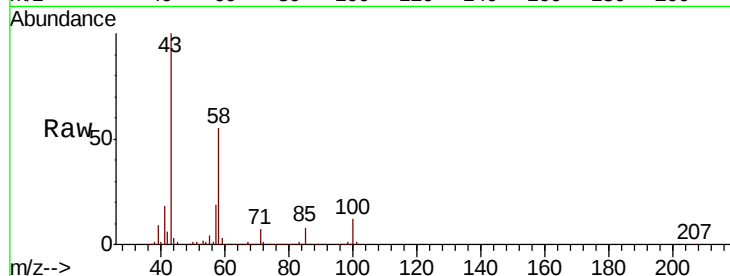




#59
2-Hexanone
Concen: 101.40 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

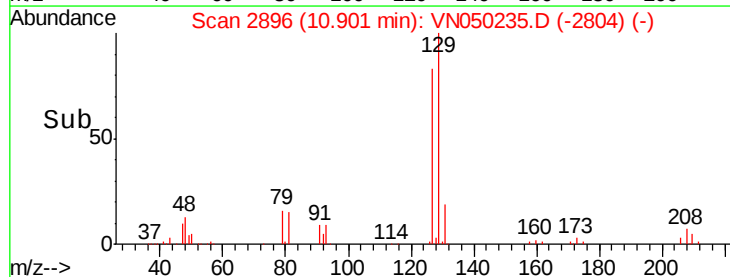
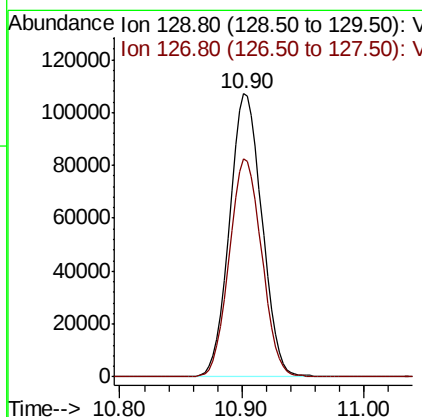
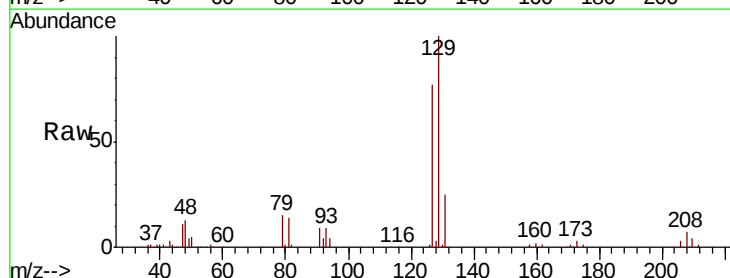
Instrument :
MSVOA_N
ClientSampled :

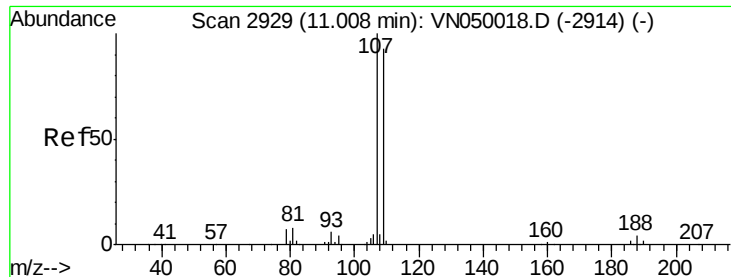
Tot Ion: 43 Resp: 602084
Ion Ratio Lower Upper
43 100
58 54.4 27.6 82.7



#60
Dibromochloromethane
Concen: 20.67 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion: 129 Resp: 198346
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9

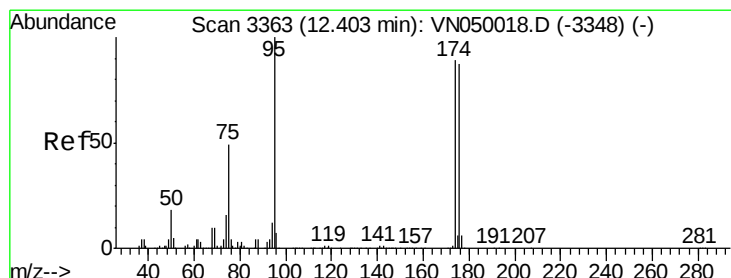
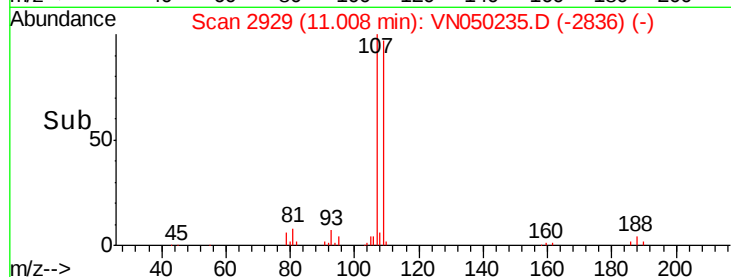
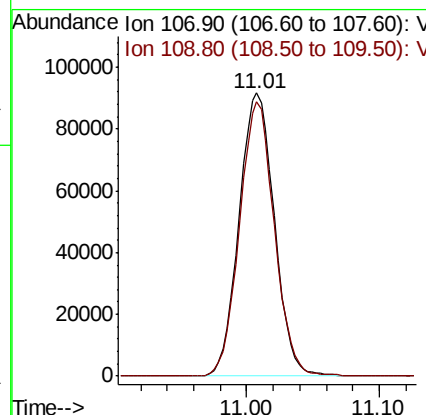
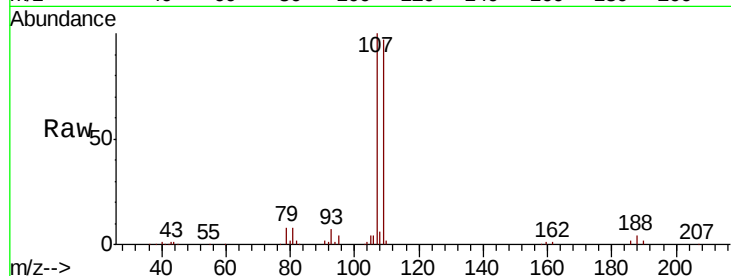




#61
 1,2-Dibromoethane
 Concen: 19.65 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

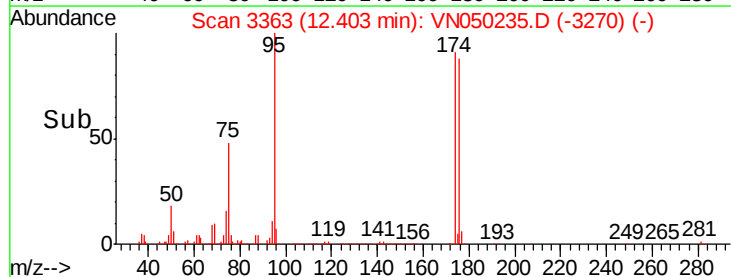
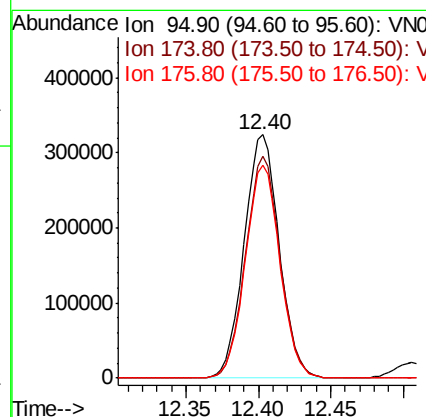
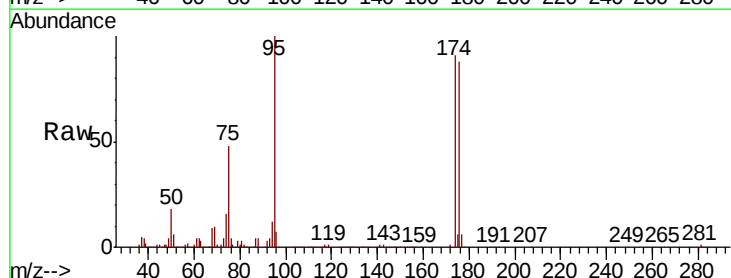
Instrument :
 MSVOA_N
 ClientSampled :

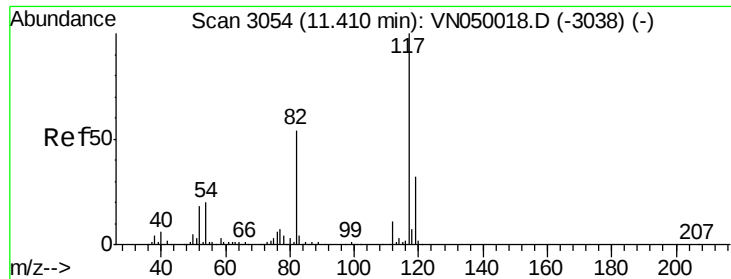
Tot Ion:107 Resp: 169040
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 50.89 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion: 95 Resp: 543213
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 178.2
 176 86.8 0.0 173.4

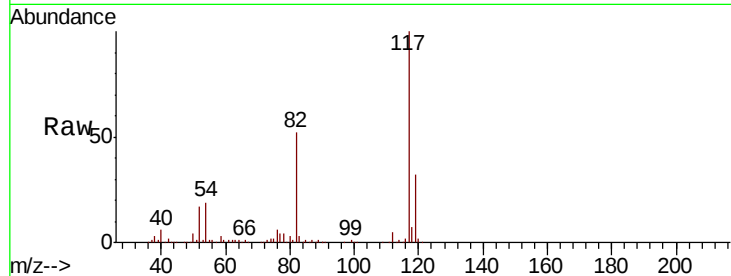




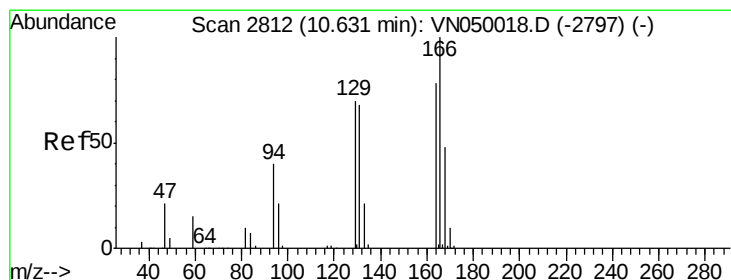
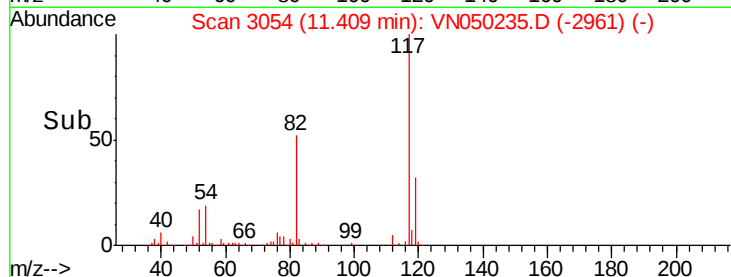
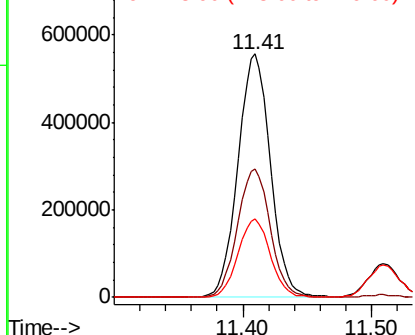
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	43.7	65.5
119	32.0	26.1	39.1



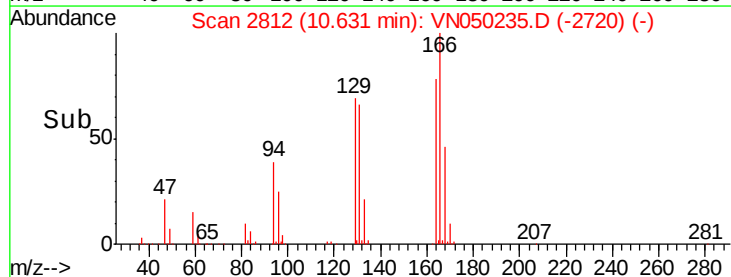
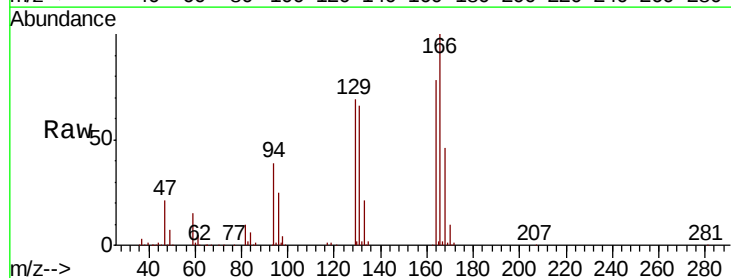
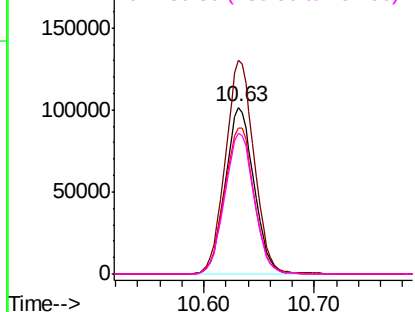
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

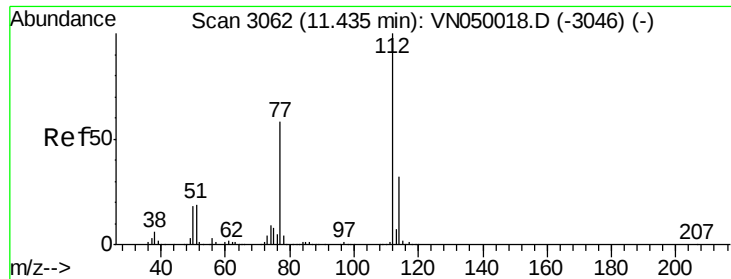


#64
Tetrachloroethene
Concen: 19.55 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.1	153.1
129	88.0	73.2	109.8
131	84.4	70.6	106.0

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

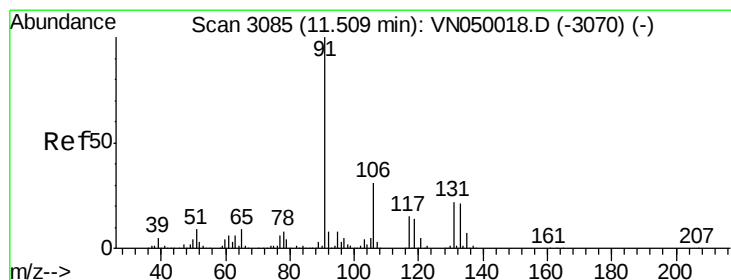
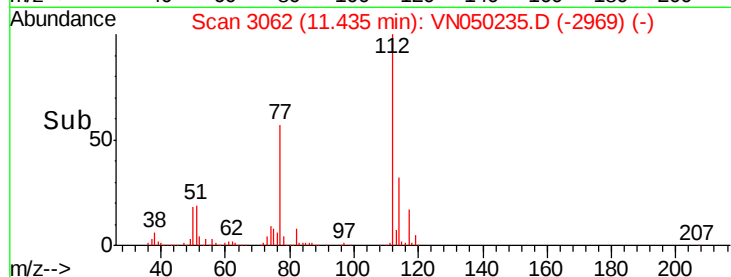
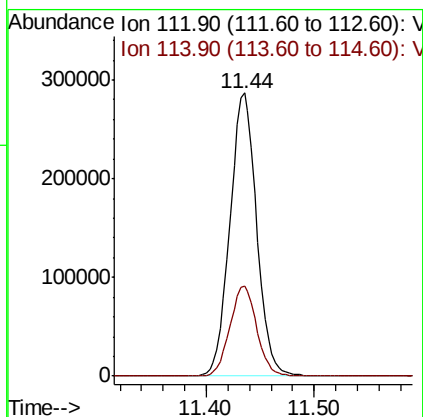
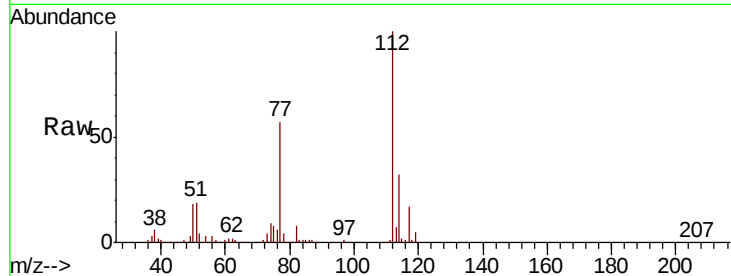




#65
Chlorobenzene
Concen: 20.10 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

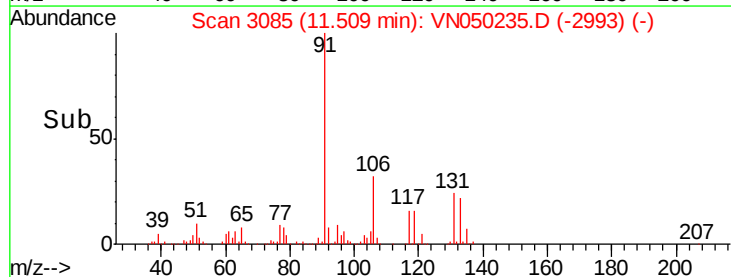
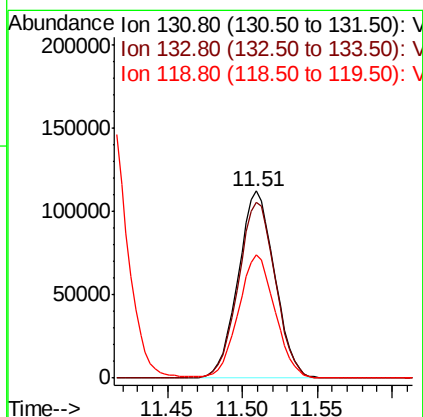
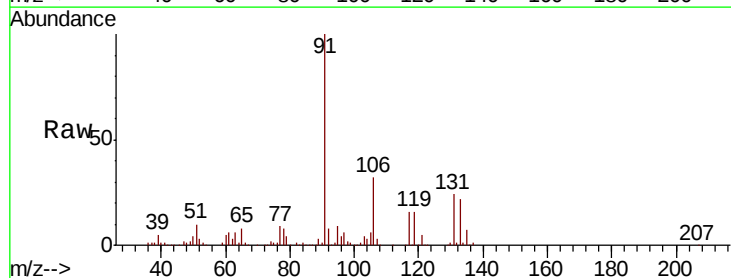
Instrument :
MSVOA_N
ClientSampled :

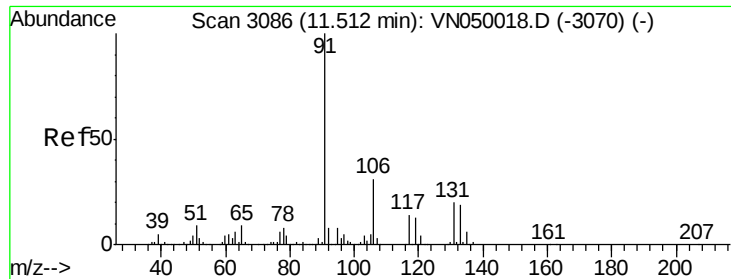
Tot Ion:112 Resp: 495631
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.19 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion:131 Resp: 191262
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.9
119 65.9 32.9 98.7





#67

Ethyl Benzene

Concen: 20.71 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

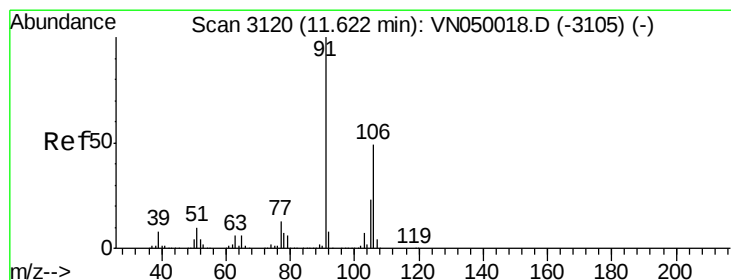
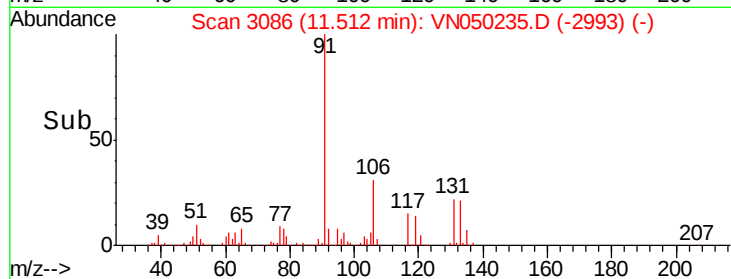
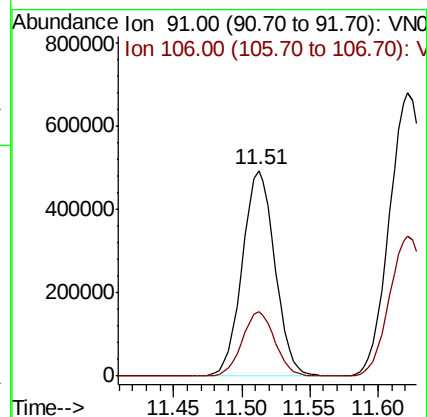
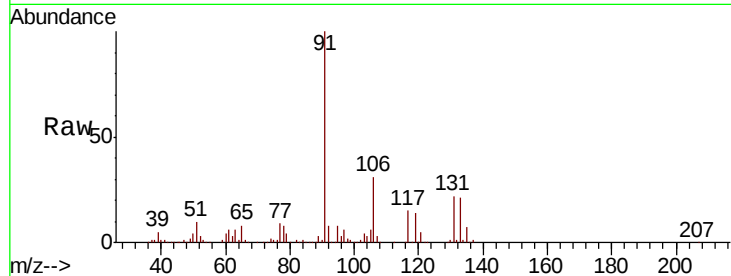
ClientSampled :

Tot Ion: 91 Resp: 820240

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4



#68

m/p-Xylenes

Concen: 42.99 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050235.D

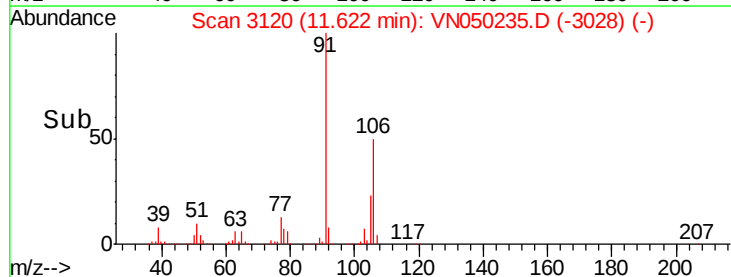
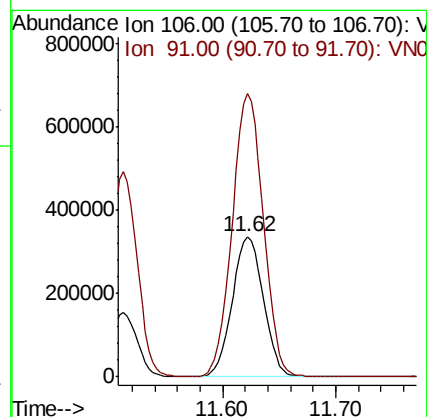
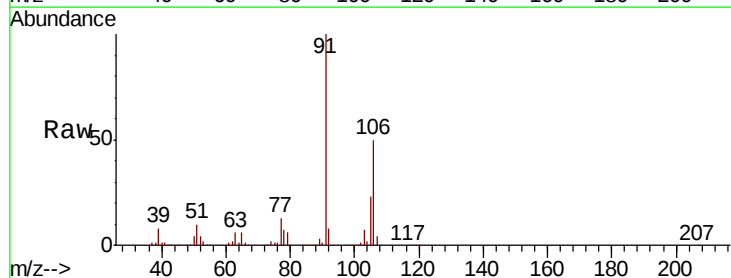
Acq: 1 Aug 2018 9:21

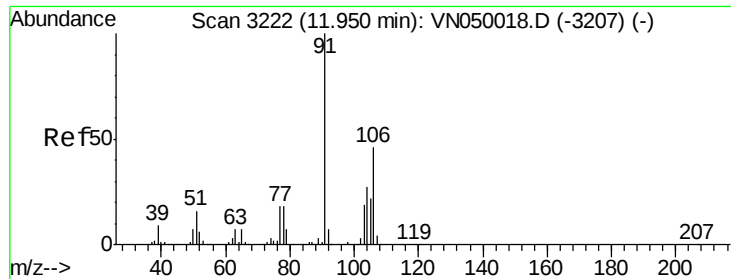
Tgt Ion: 106 Resp: 644059

Ion Ratio Lower Upper

106 100

91 201.6 162.2 243.2

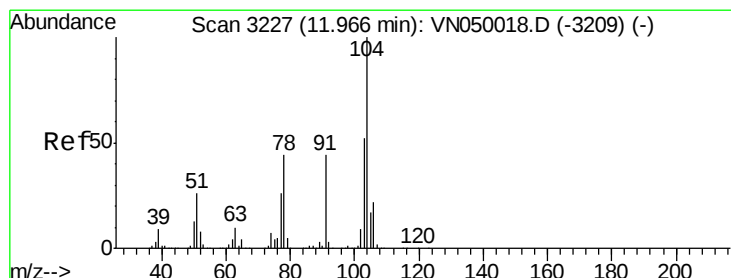
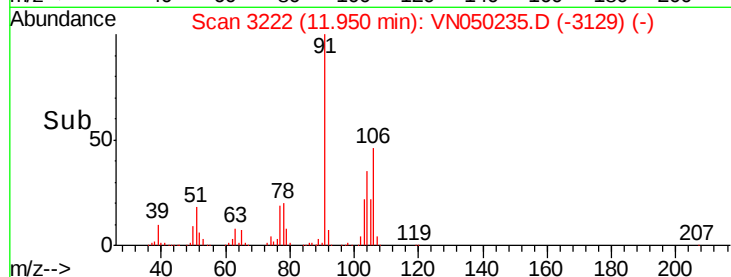
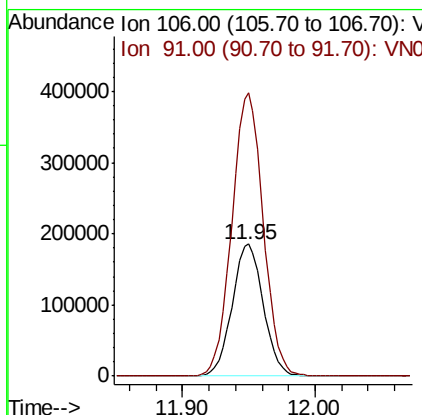
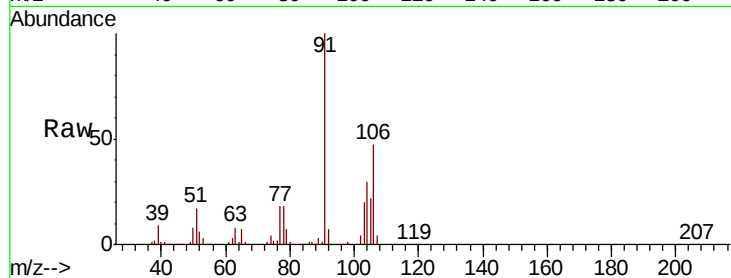




#69
o-Xylene
Concen: 21.08 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

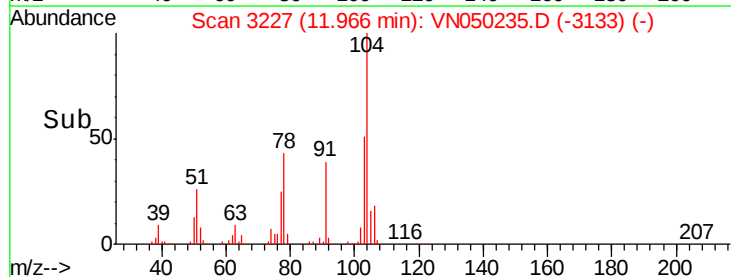
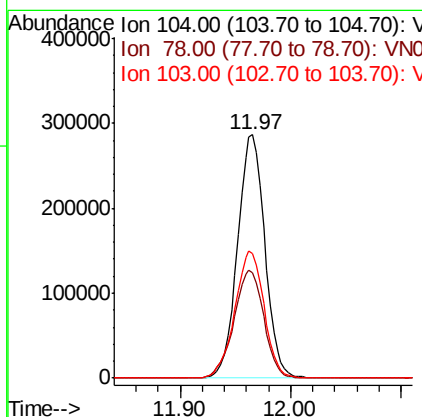
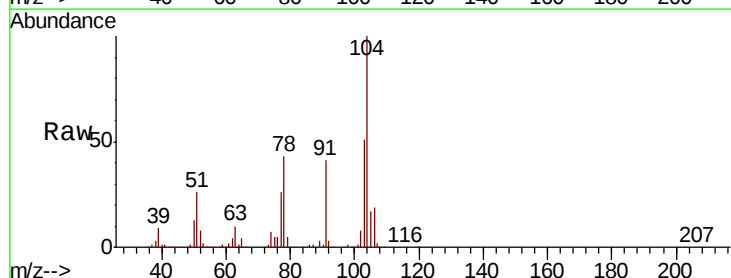
Instrument :
MSVOA_N
ClientSampled :

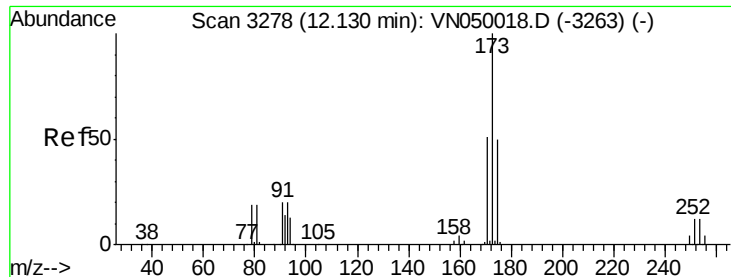
Tot Ion:106 Resp: 301136
Ion Ratio Lower Upper
106 100
91 216.3 107.7 323.1



#70
Styrene
Concen: 19.92 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion:104 Resp: 491654
Ion Ratio Lower Upper
104 100
78 48.6 39.3 58.9
103 55.8 45.0 67.6





#71

Bromoform

Concen: 19.79 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampled :

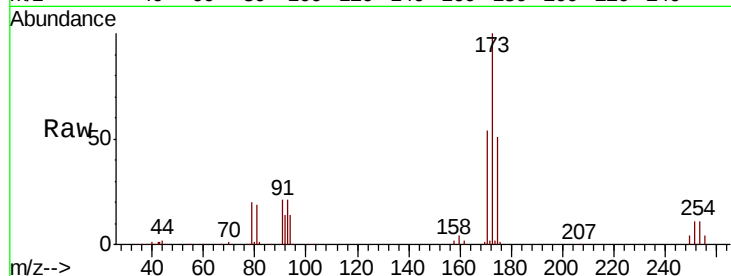
Tot Ion:173 Resp: 136405

Ion Ratio Lower Upper

173 100

175 49.5 24.1 72.2

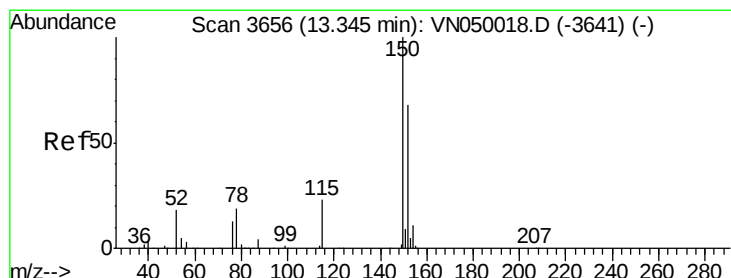
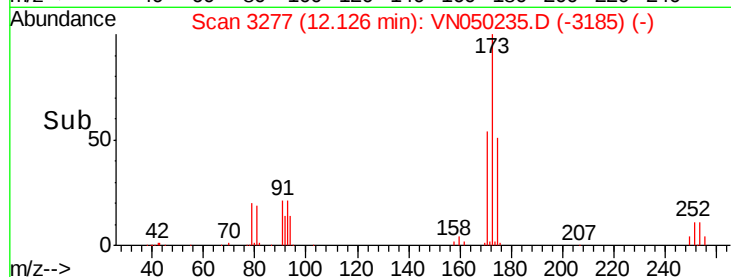
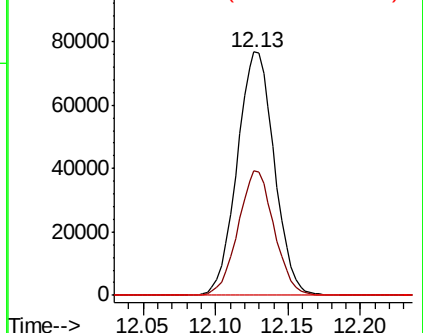
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

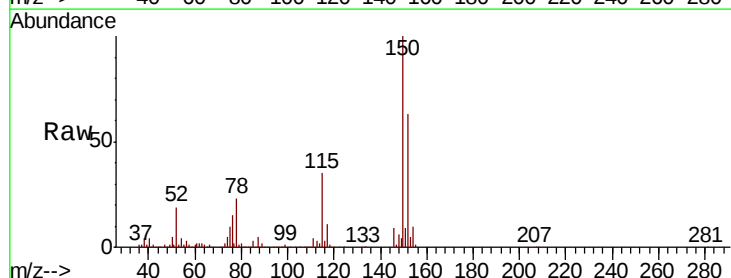
Tgt Ion:152 Resp: 495660

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.3

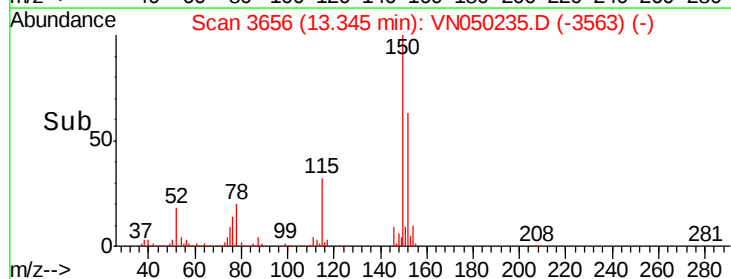
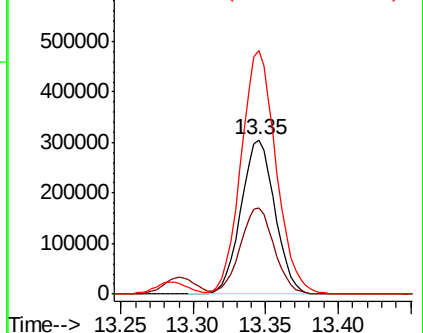
150 163.9 0.0 348.6

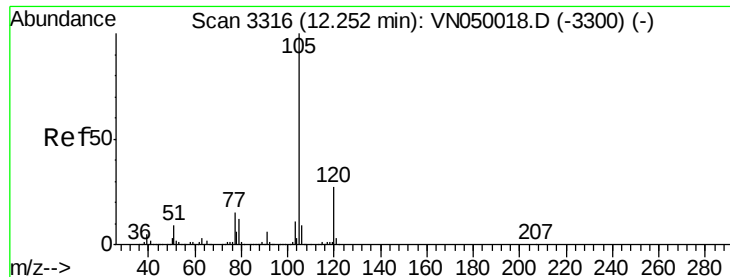


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.22 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

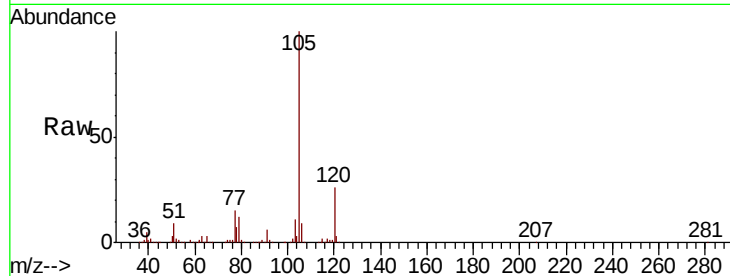
ClientSampled :

Tot Ion:105 Resp: 815719

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

500000

400000

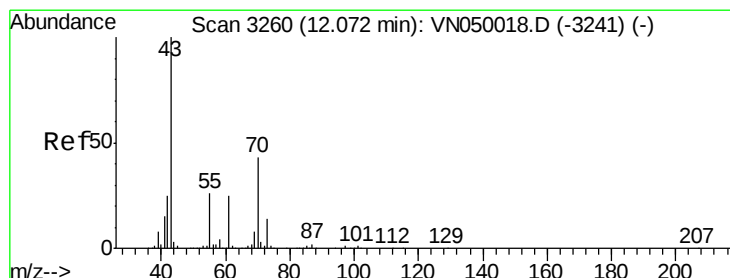
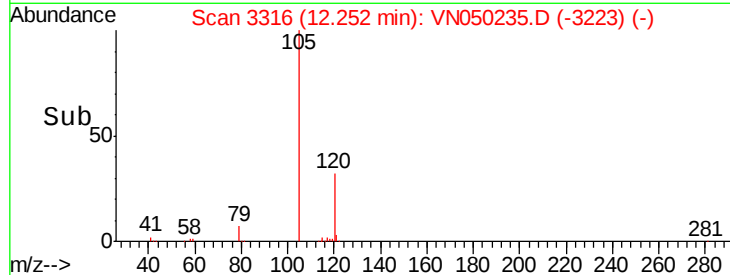
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.82 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Tgt Ion: 43 Resp: 232907

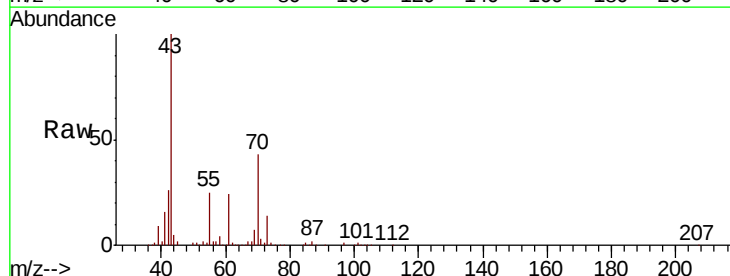
Ion Ratio Lower Upper

43 100

70 43.0 34.4 51.6

55 26.2 20.8 31.2

61 25.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

200000

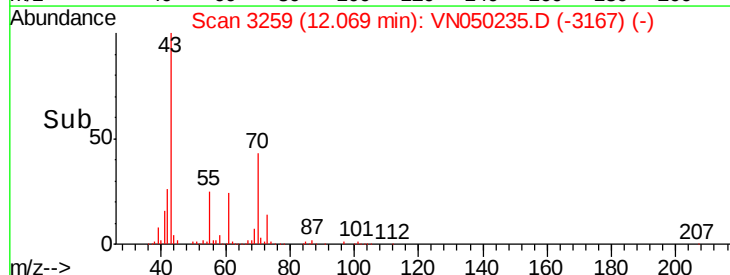
150000

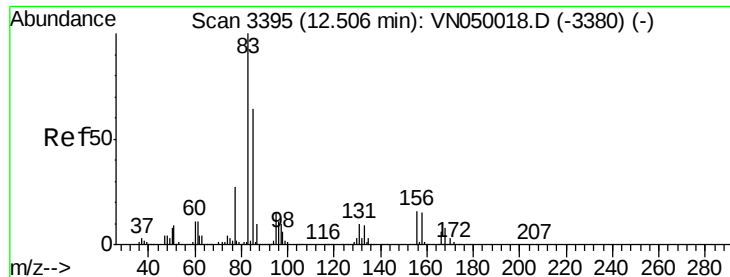
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 21.28 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

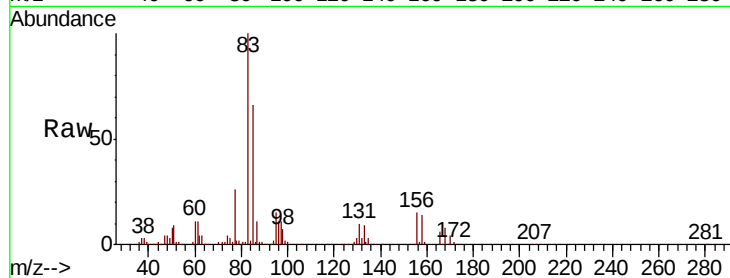
Tot Ion: 83 Resp: 228885

Ion Ratio Lower Upper

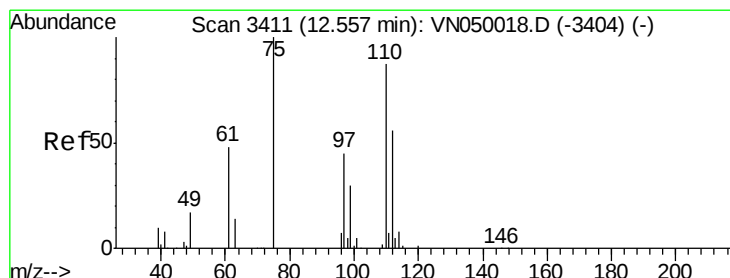
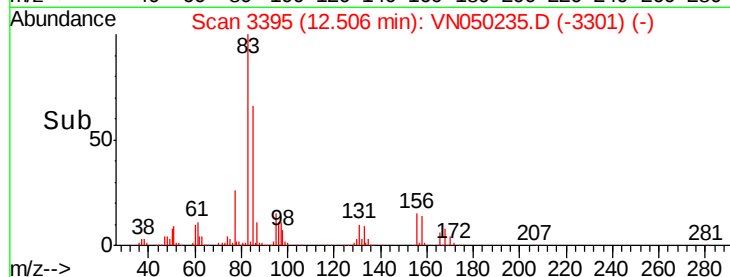
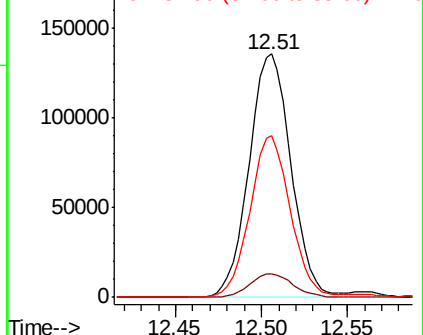
83 100

131 10.0 5.1 15.3

85 63.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 29.85 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050235.D

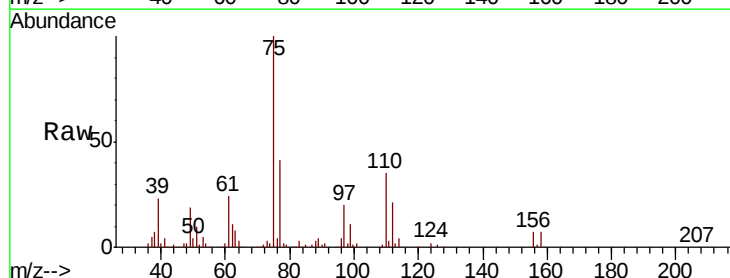
Acq: 1 Aug 2018 9:21

Tgt Ion: 75 Resp: 274948

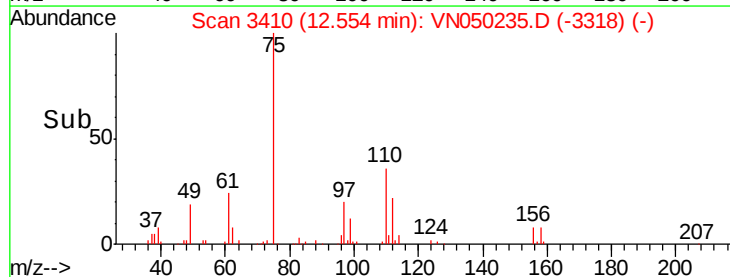
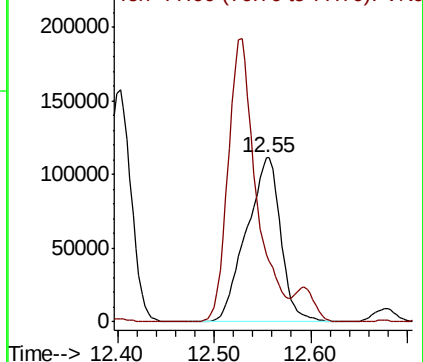
Ion Ratio Lower Upper

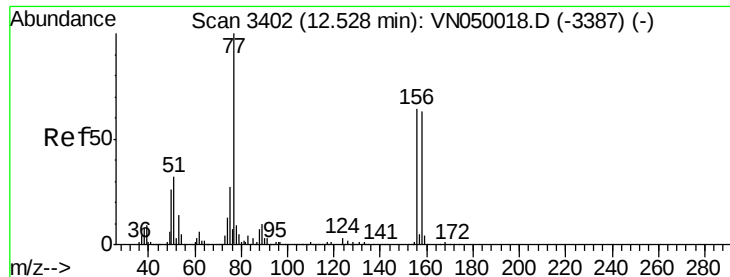
75 100

77 0.0 0.0 0.0



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

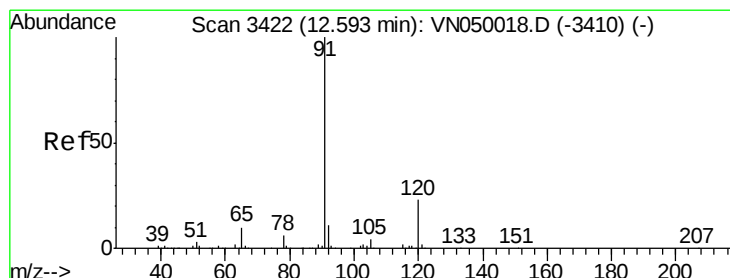
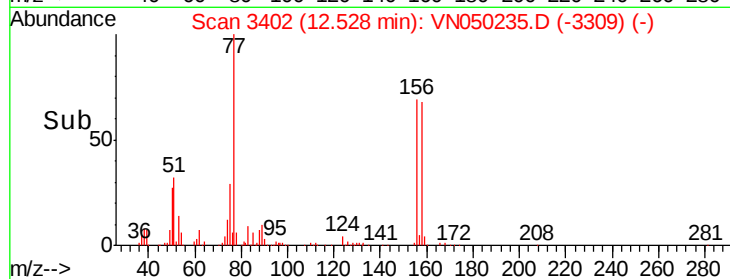
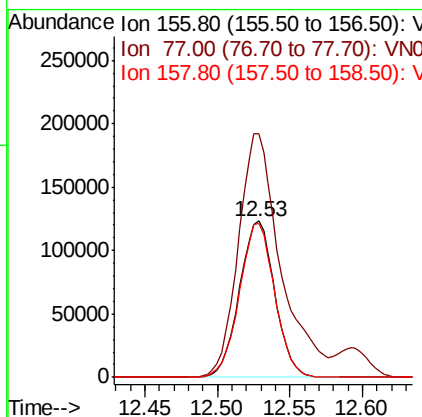
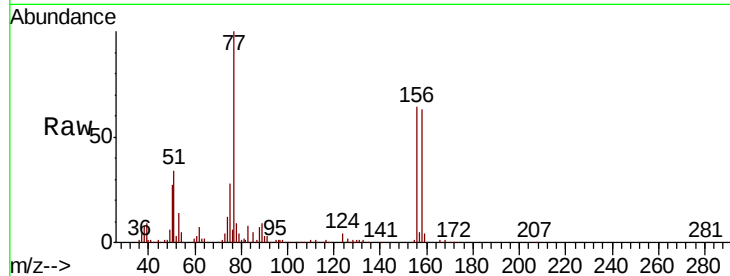




#77
Bromobenzene
Concen: 19.63 ug/l
RT: 12.53 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

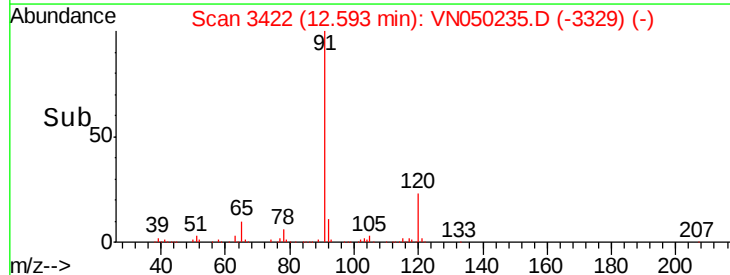
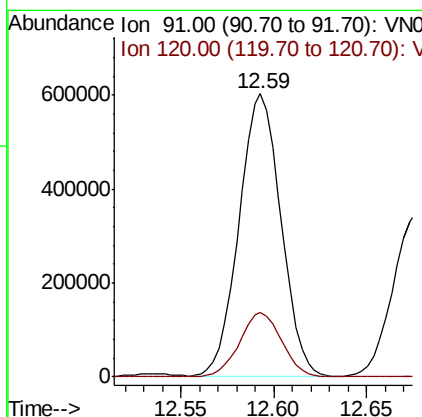
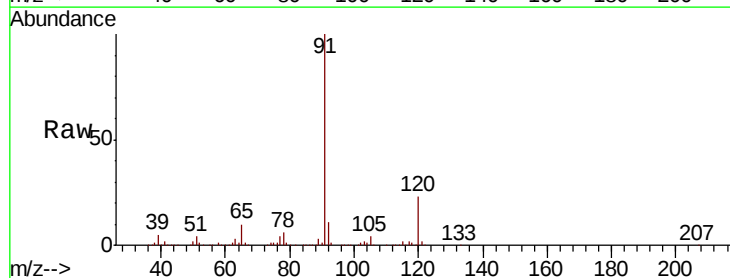
Instrument :
MSVOA_N
ClientSampled :

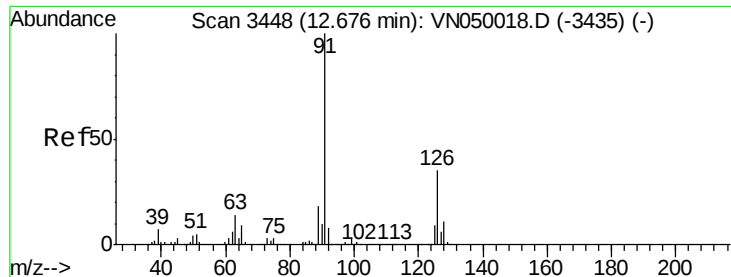
Tot Ion:156 Resp: 209188
Ion Ratio Lower Upper
156 100
77 186.9 91.7 275.1
158 98.4 48.9 146.6



#78
n-propylbenzene
Concen: 21.93 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion: 91 Resp: 942384
Ion Ratio Lower Upper
91 100
120 22.8 11.6 34.7





#79

2-Chlorotoluene

Concen: 21.39 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

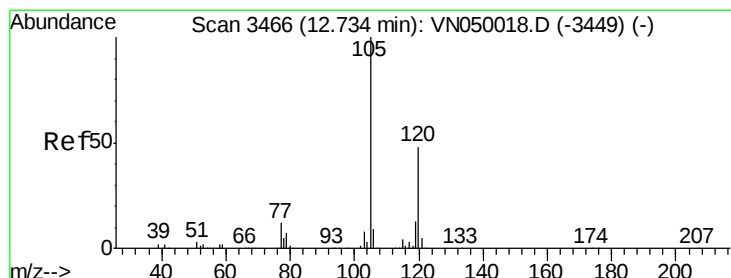
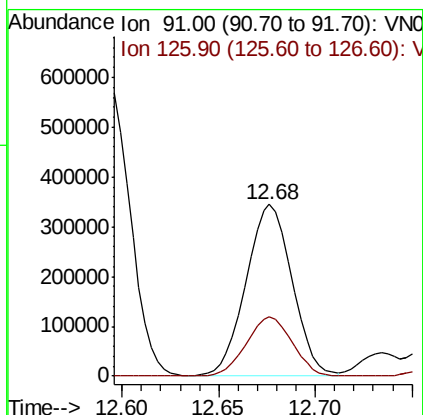
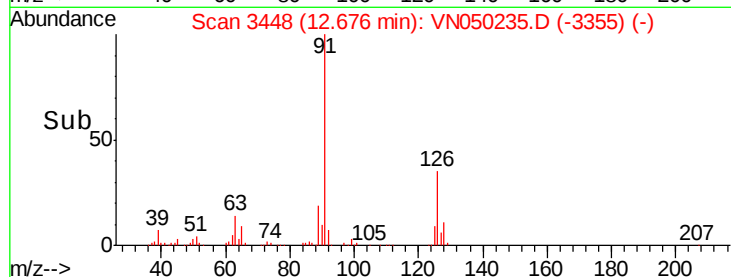
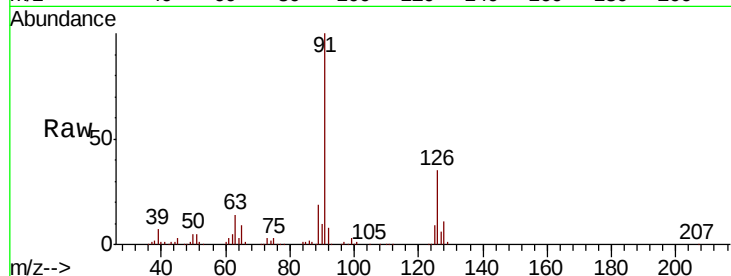
ClientSampled :

Tot Ion: 91 Resp: 569705

Ion Ratio Lower Upper

91 100

126 34.5 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 22.33 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050235.D

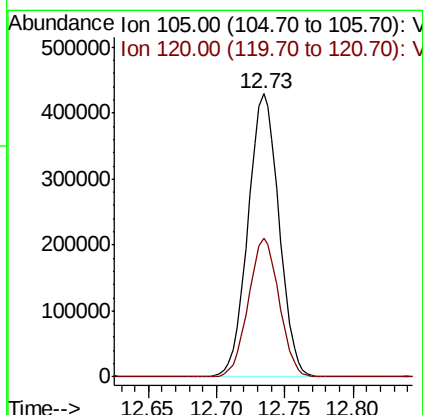
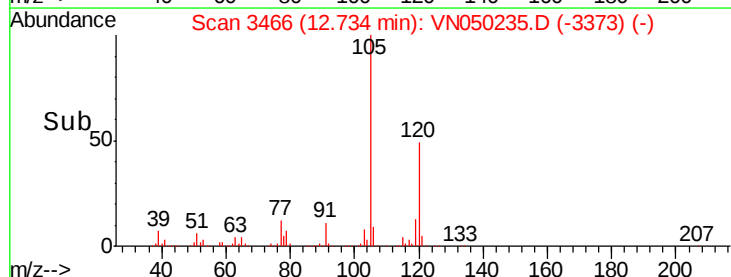
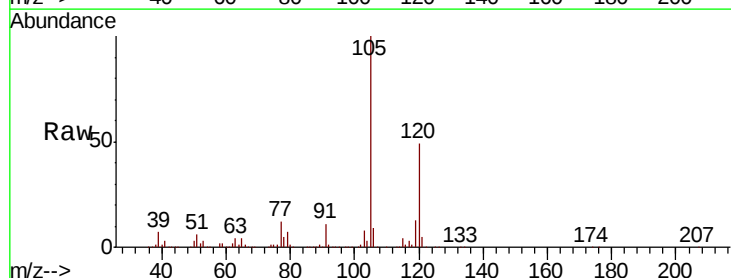
Acq: 1 Aug 2018 9:21

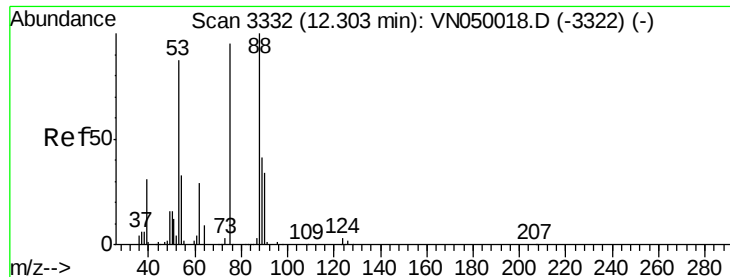
Tgt Ion:105 Resp: 675104

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.37 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

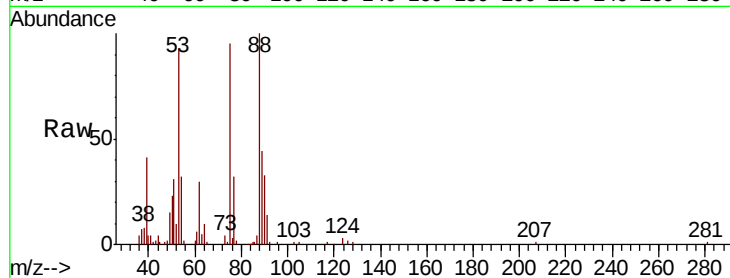
Tot Ion: 75 Resp: 59158

Ion Ratio Lower Upper

75 100

53 97.7 73.5 110.3

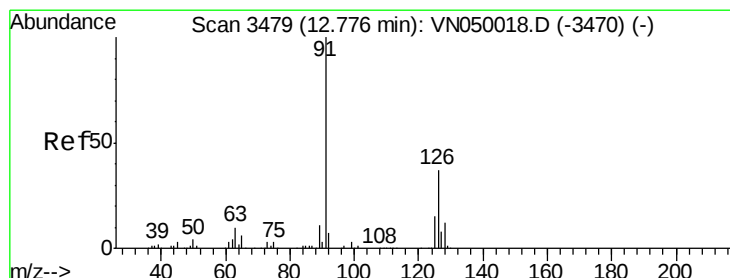
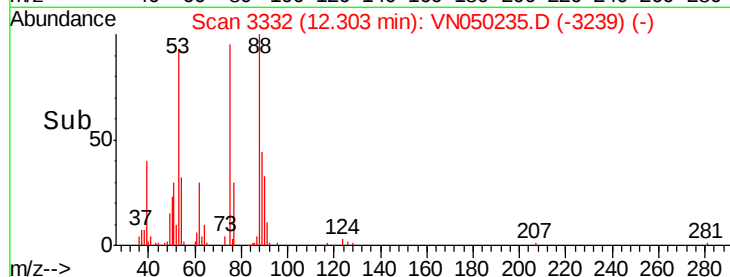
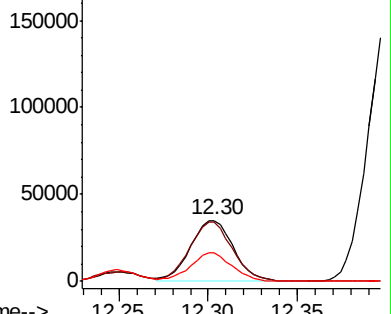
89 45.7 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.78 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050235.D

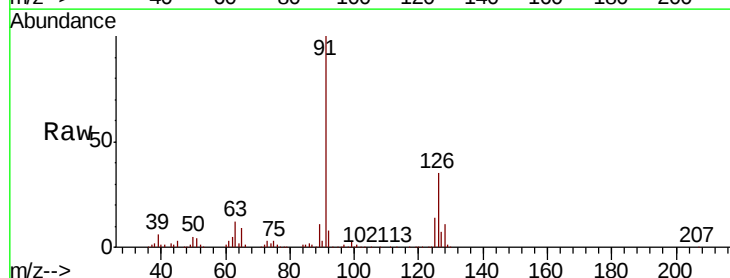
Acq: 1 Aug 2018 9:21

Tgt Ion: 91 Resp: 574393

Ion Ratio Lower Upper

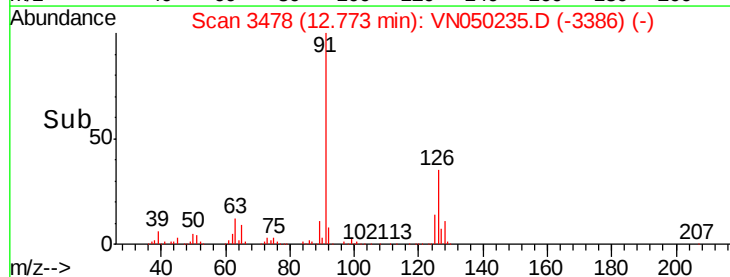
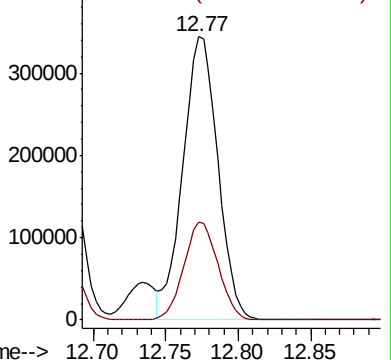
91 100

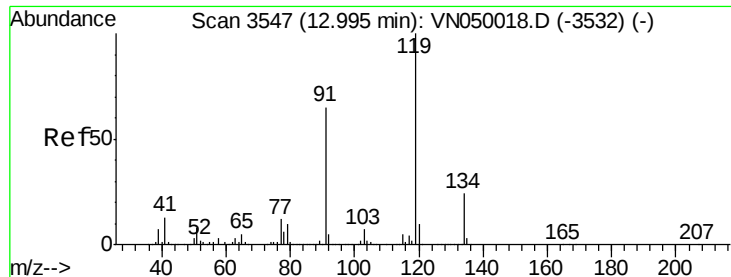
126 33.8 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

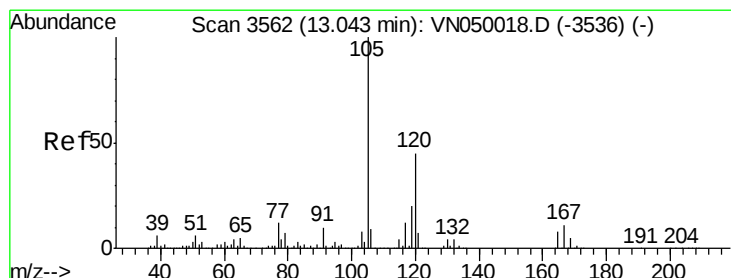
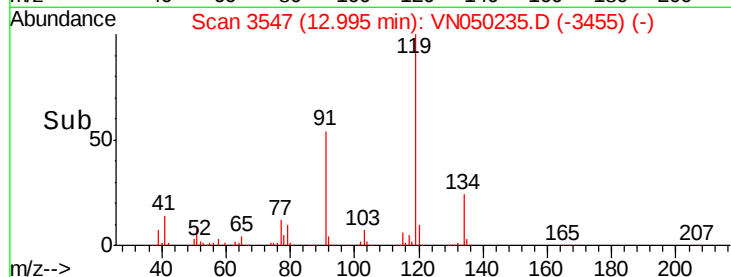
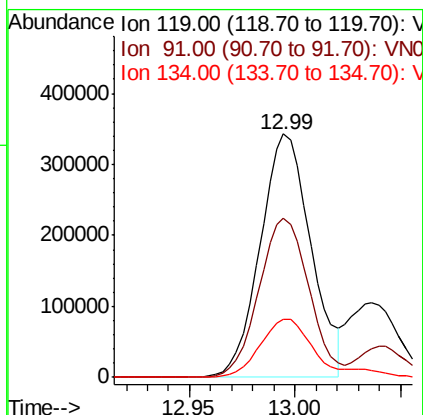
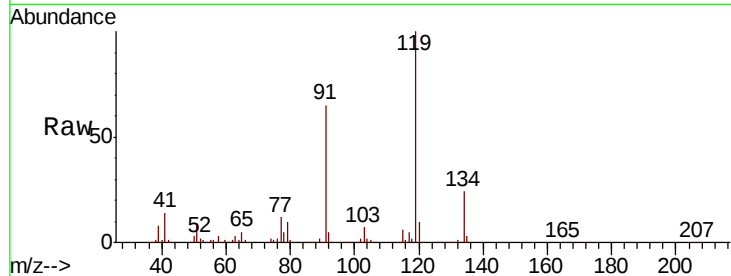




#83
 tert-Butylbenzene
 Concen: 21.78 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

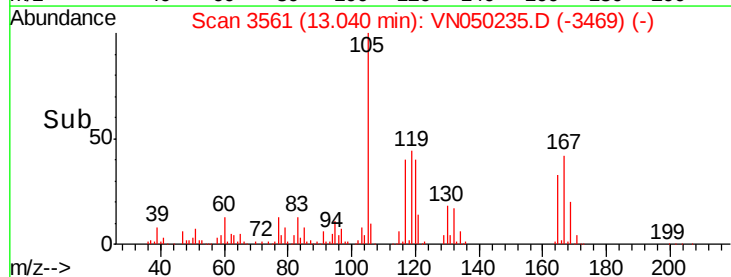
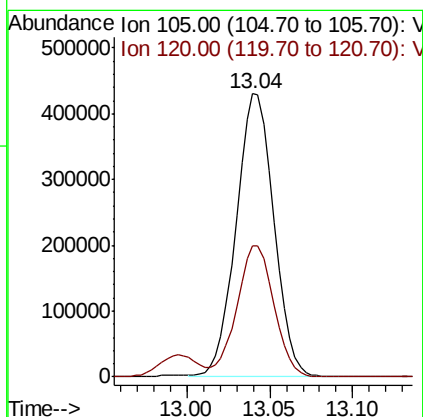
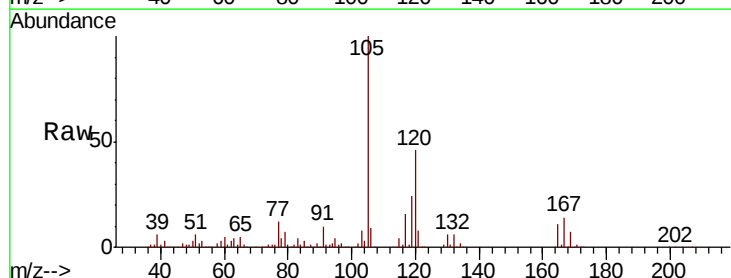
Instrument :
 MSVOA_N
 ClientSampled :

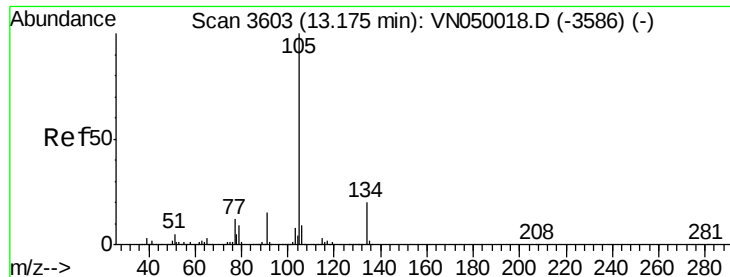
Tot Ion:119 Resp: 574606
 Ion Ratio Lower Upper
 119 100
 91 64.5 32.1 96.3
 134 26.5 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 22.33 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion:105 Resp: 680485
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.9 68.7





#85

sec-Butylbenzene

Concen: 22.06 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

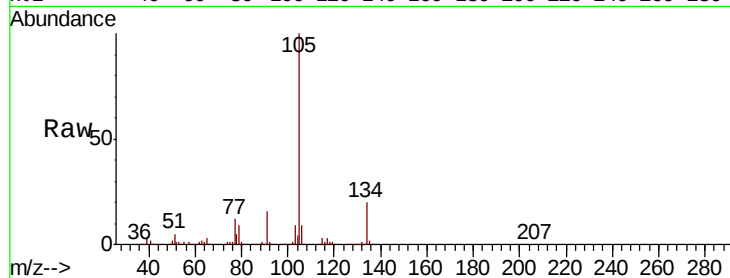
ClientSampled :

Tot Ion:105 Resp: 777688

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

500000

400000

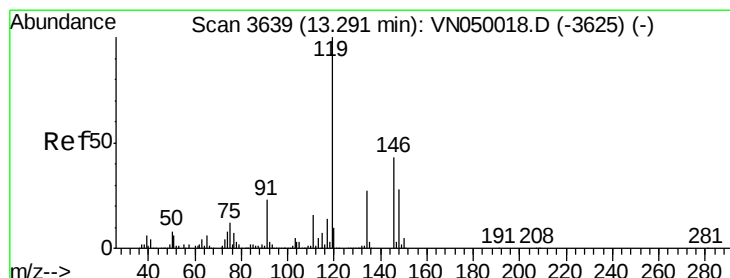
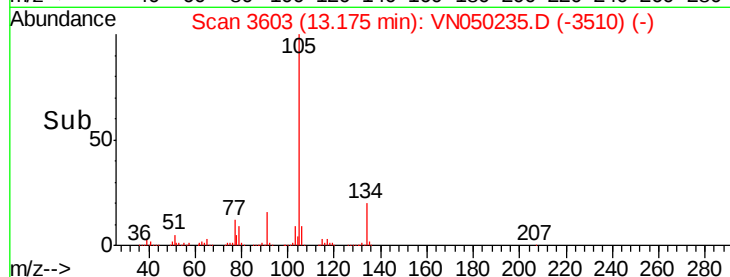
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.62 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

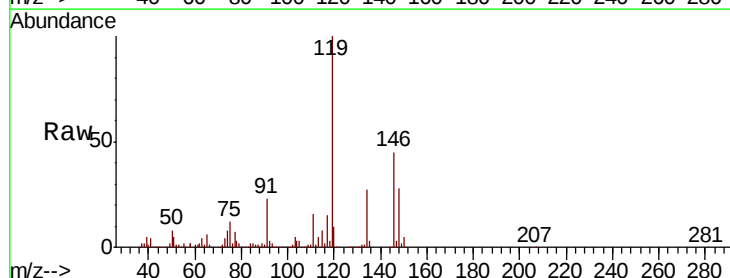
Tgt Ion:119 Resp: 672038

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 22.7 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

600000

500000

400000

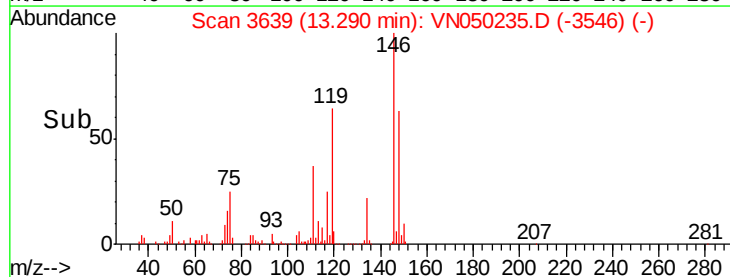
300000

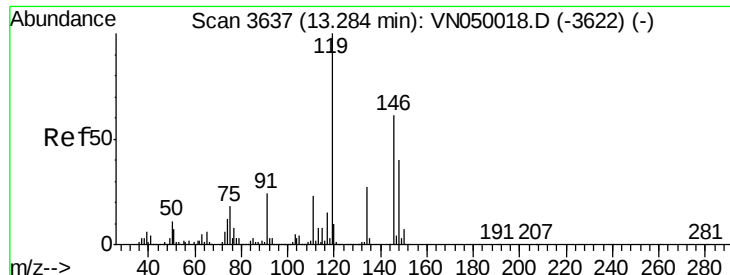
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.46 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

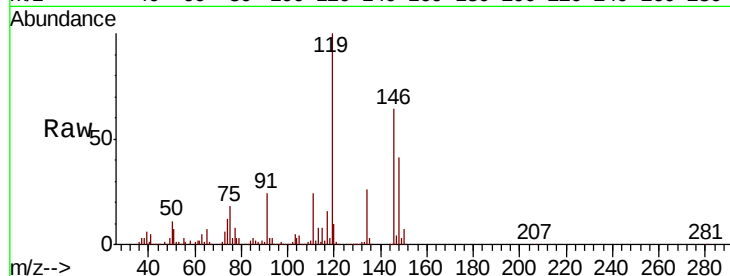
Tot Ion:146 Resp: 369578

Ion Ratio Lower Upper

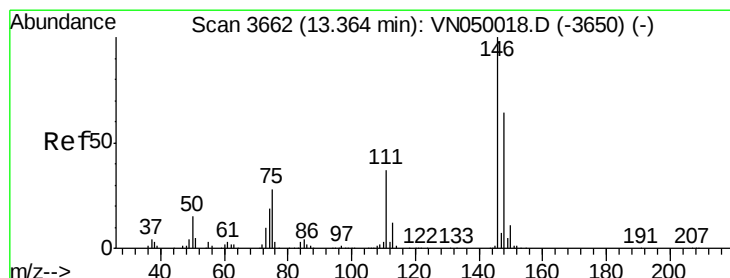
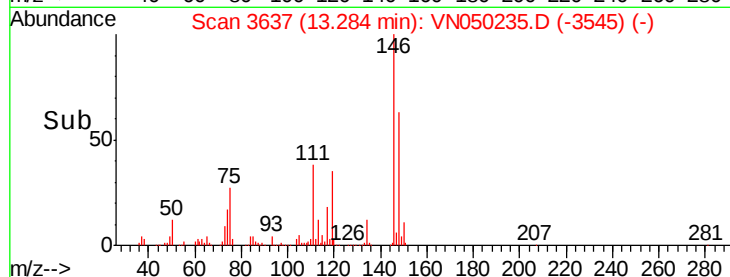
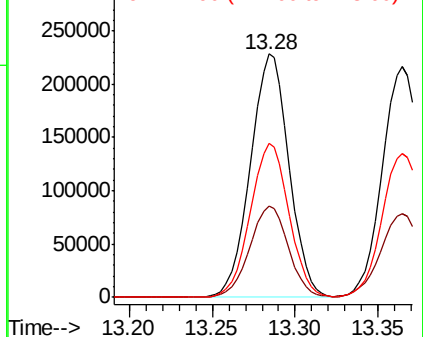
146 100

111 37.8 18.8 56.4

148 63.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.42 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

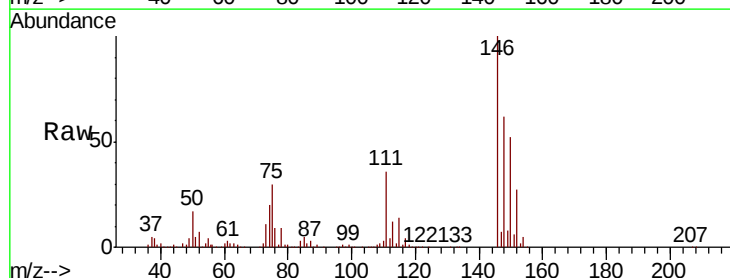
Tgt Ion:146 Resp: 359482

Ion Ratio Lower Upper

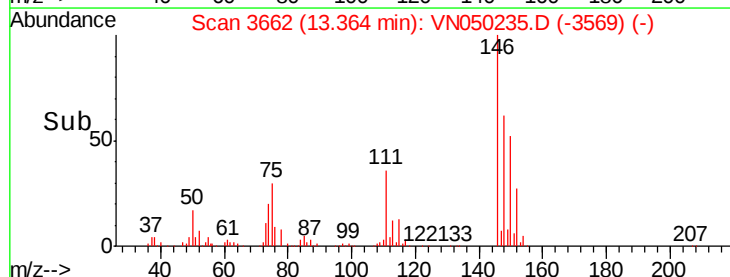
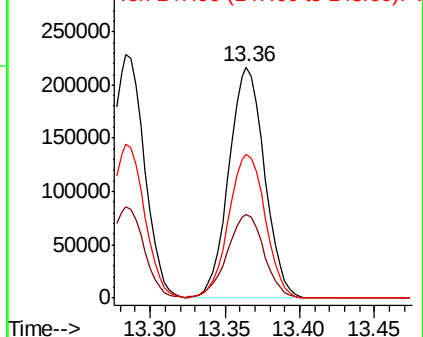
146 100

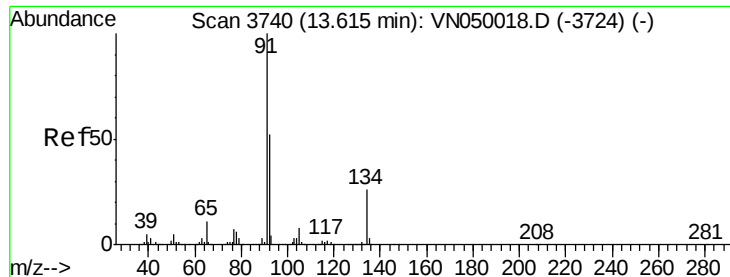
111 37.6 18.3 54.9

148 63.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

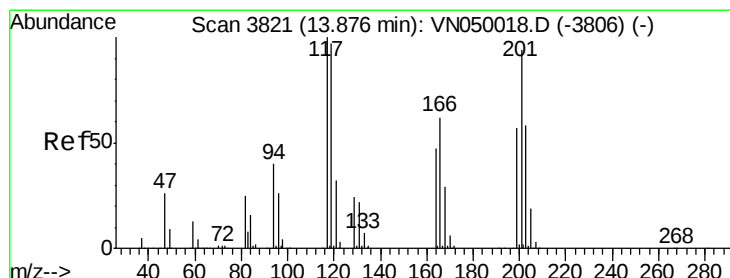
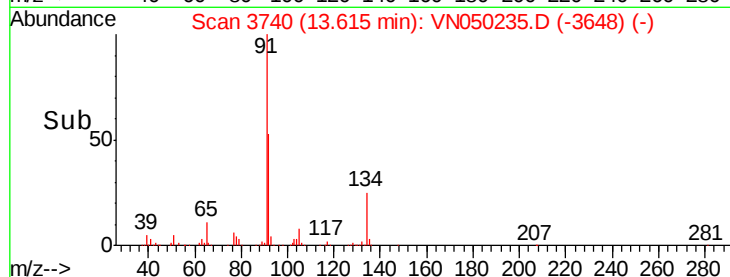
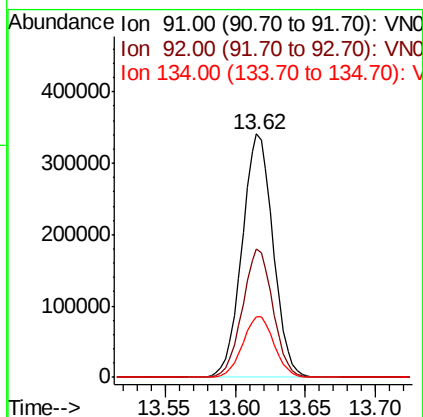
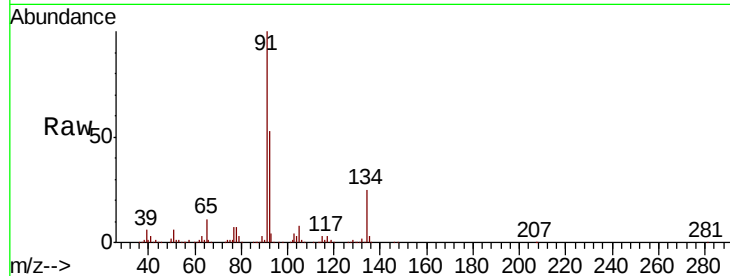




#89
n-Butylbenzene
Concen: 21.52 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

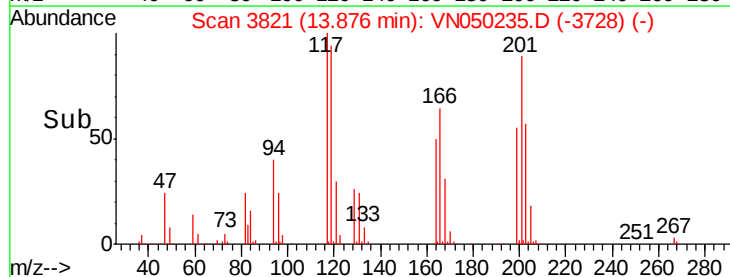
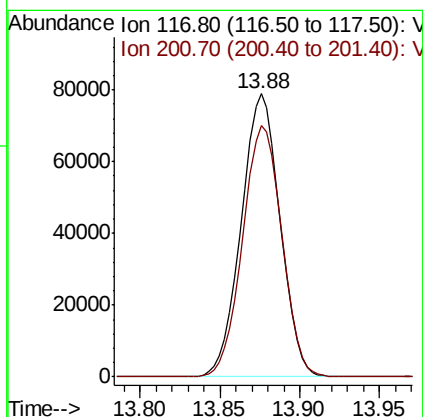
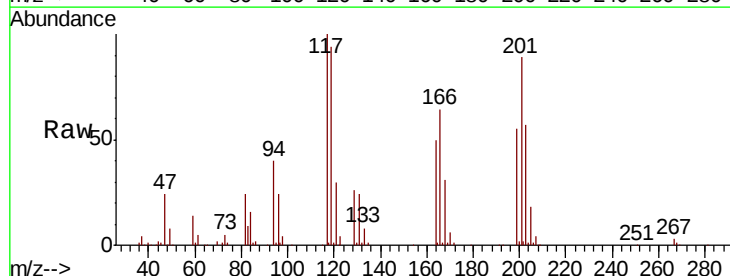
Instrument :
MSVOA_N
ClientSampled :

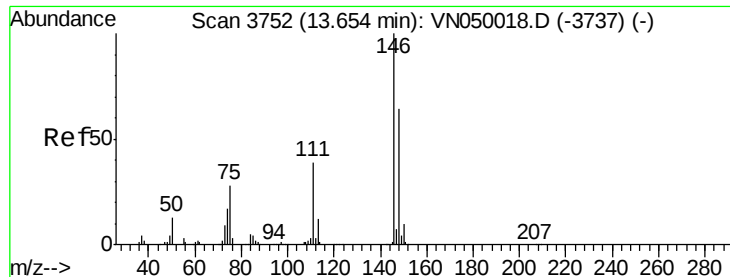
Tot Ion: 91 Resp: 525708
Ion Ratio Lower Upper
91 100
92 51.7 25.8 77.4
134 25.3 12.8 38.4



#90
Hexachloroethane
Concen: 19.74 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050235.D
Acq: 1 Aug 2018 9:21

Tgt Ion: 117 Resp: 130230
Ion Ratio Lower Upper
117 100
201 89.9 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 20.04 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA_N

ClientSampled :

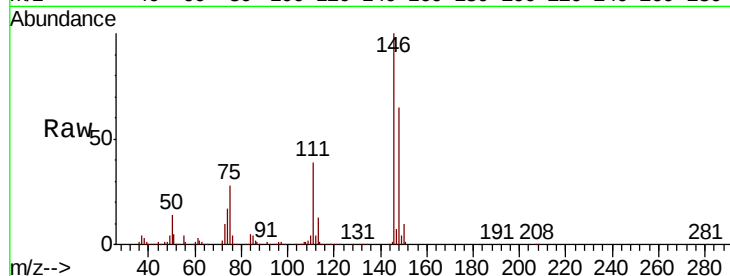
Tot Ion:146 Resp: 361729

Ion Ratio Lower Upper

146 100

111 39.9 19.6 58.7

148 64.3 32.1 96.3

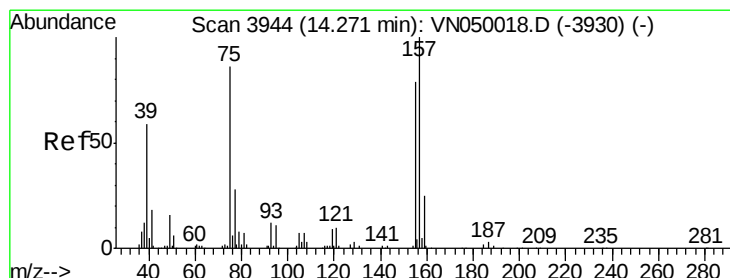
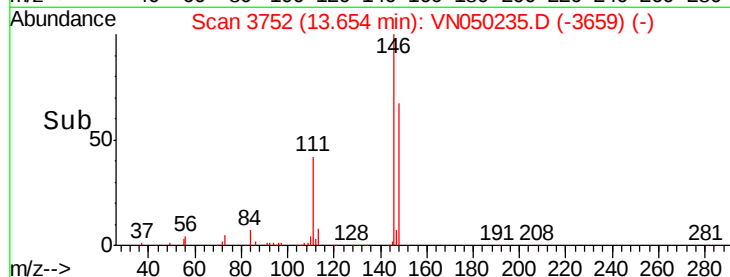
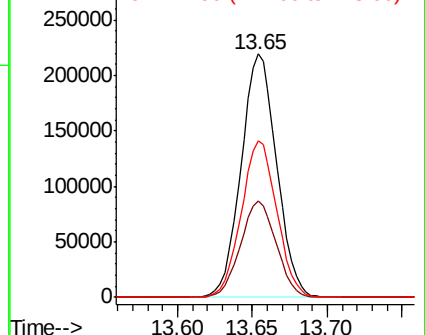


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.89 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

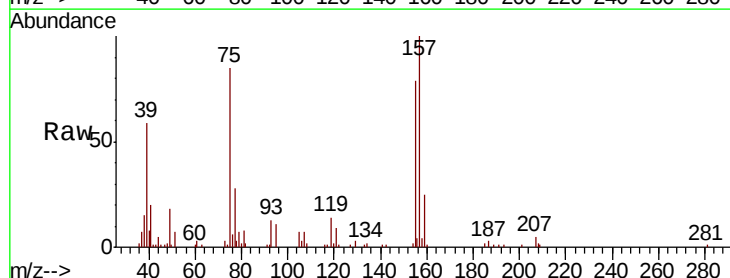
Tgt Ion: 75 Resp: 33212

Ion Ratio Lower Upper

75 100

155 91.8 44.8 134.4

157 118.8 57.2 171.6

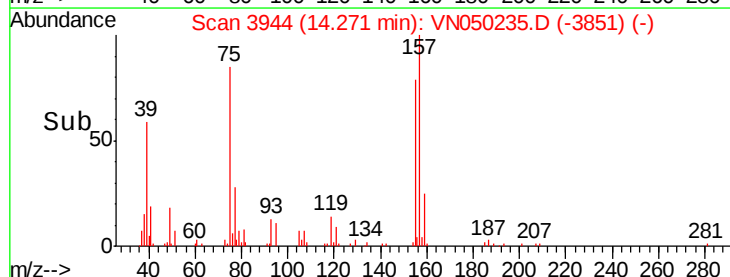
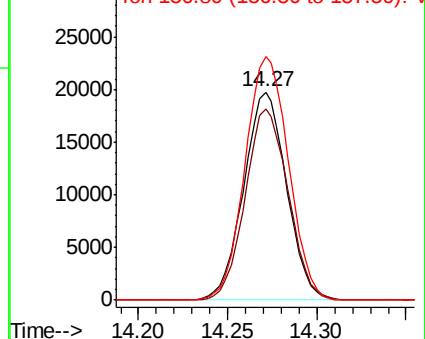


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

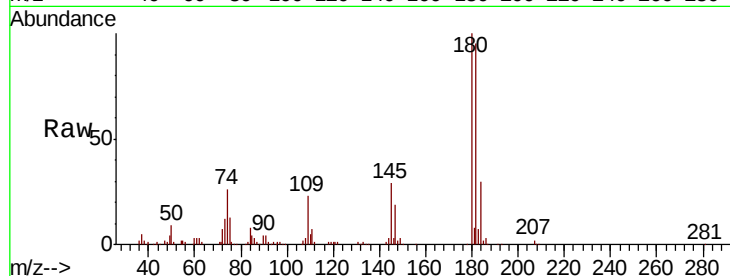




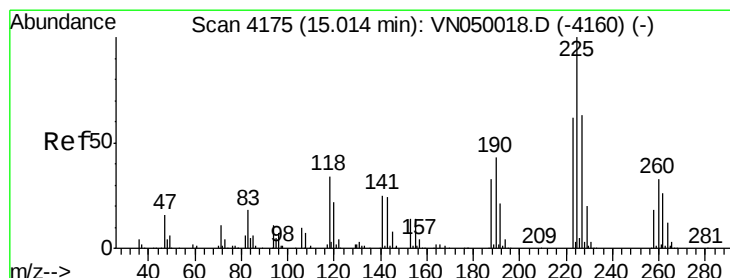
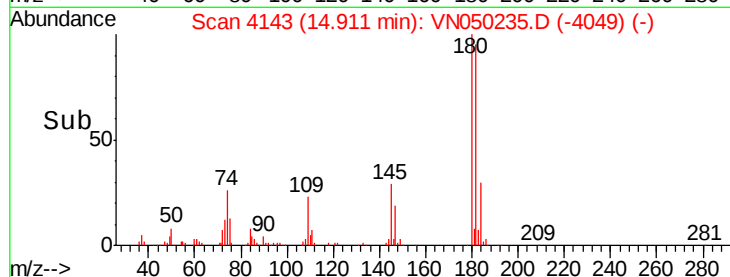
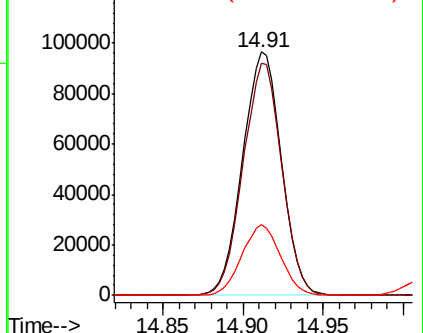
#93
 1,2,4-Trichlorobenzene
 Concen: 18.74 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 159701
 Ion Ratio Lower Upper
 180 100
 182 95.5 46.7 140.1
 145 29.0 13.8 41.4

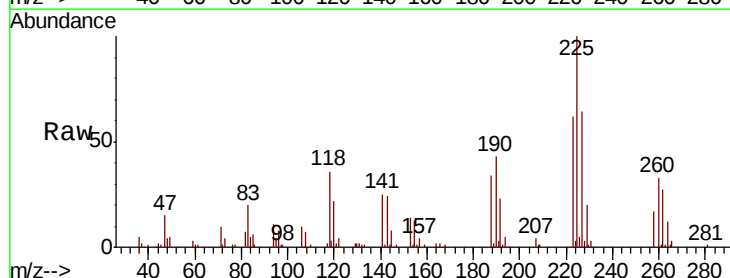


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

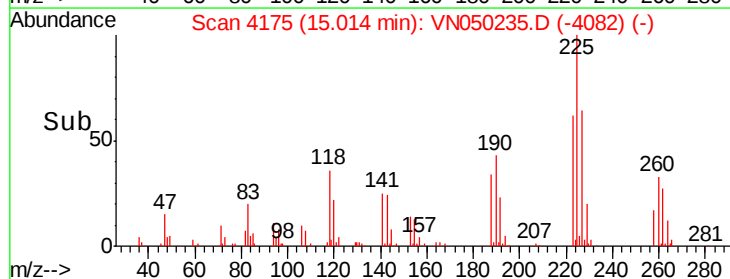
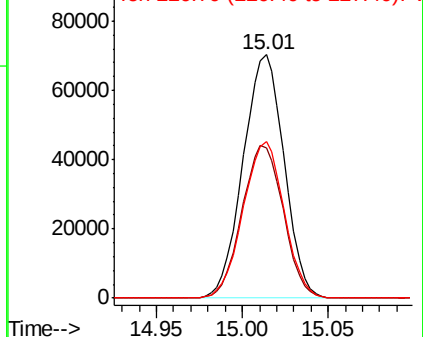


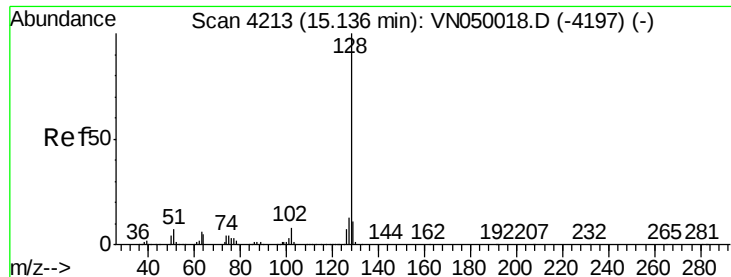
#94
 Hexachlorobutadiene
 Concen: 21.05 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050235.D
 Acq: 1 Aug 2018 9:21

Tgt Ion:225 Resp: 116349
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.4 94.2
 227 64.3 32.1 96.5



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





#95

Naphthalene

Concen: 17.59 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

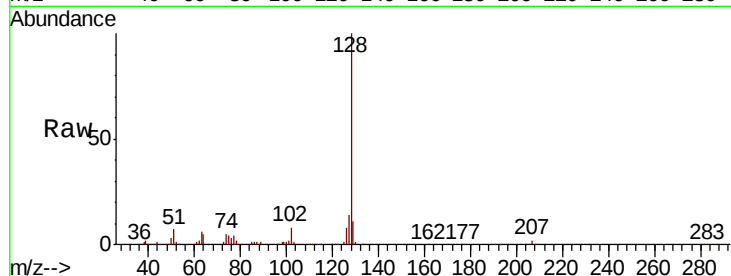
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 327117

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.8	13.2

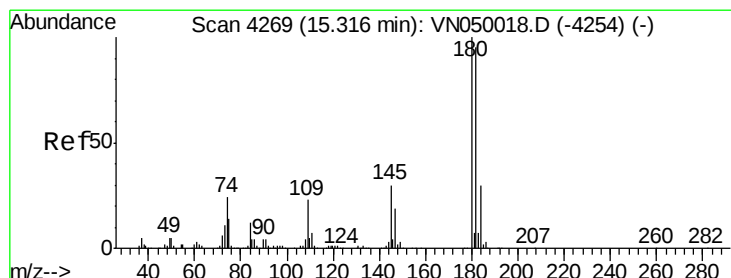
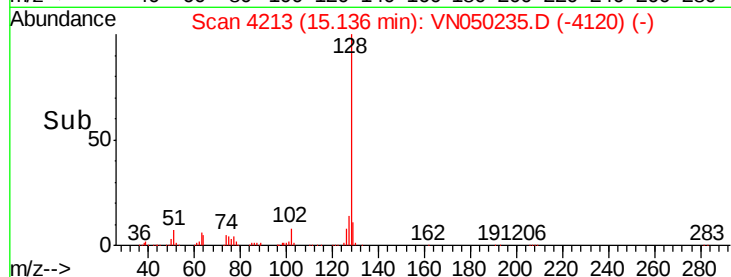
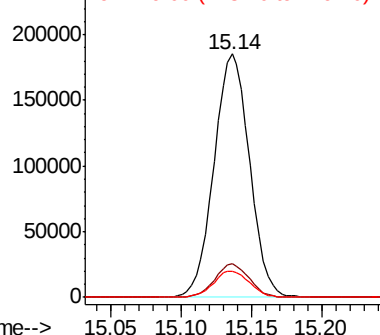


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.15 ug/l

RT: 15.32 min Scan# 4269

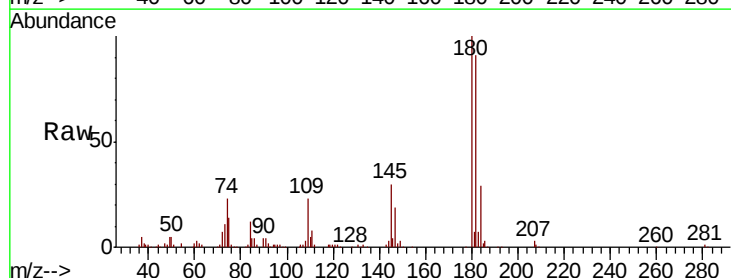
Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Tgt Ion:180 Resp: 165330

Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.4
145	30.3	15.3	45.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

