

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082318\
 Data File : VN050840.D
 Acq On : 23 Aug 2018 9:51
 Operator : MD\SY
 Sample : VN0823WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 01:06:48 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	647707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	931992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	837911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	391247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	386433	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	7.59	113	372334	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.09	98	1376803	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.40	95	434433	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	191443	22.09	ug/l	99
3) Chloromethane	2.06	50	203865	19.07	ug/l	99
4) Vinyl Chloride	2.19	62	207085	20.45	ug/l	98
5) Bromomethane	2.57	94	111851	18.76	ug/l	100
6) Chloroethane	2.70	64	116075	19.84	ug/l	98
7) Trichlorofluoromethane	3.01	101	261807	20.19	ug/l	100
8) Diethyl Ether	3.41	74	89741	20.35	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	164028	20.24	ug/l	99
10) Methyl Iodide	3.95	142	106704	19.44	ug/l	99
11) Tert butyl alcohol	4.79	59	47955	96.58	ug/l	98
12) 1,1-Dichloroethene	3.74	96	148924	20.47	ug/l	97
13) Acrolein	3.61	56	22428	89.72	ug/l	99
14) Allyl chloride	4.32	41	223401	19.71	ug/l	99
15) Acrylonitrile	4.99	53	247438	98.06	ug/l	99
16) Acetone	3.82	43	184326	95.46	ug/l	99
17) Carbon Disulfide	4.05	76	448792	18.40	ug/l	99
18) Methyl Acetate	4.33	43	140465	19.08	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	375270	20.51	ug/l	99
20) Methylene Chloride	4.55	84	170982	19.46	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	154035	19.58	ug/l	95
22) Diisopropyl ether	5.96	45	479481	21.22	ug/l	97
23) Vinyl Acetate	5.90	43	1474922	101.38	ug/l	99
24) 1,1-Dichloroethane	5.85	63	292134	20.14	ug/l	99
25) 2-Butanone	6.84	43	277573	88.33	ug/l	100
26) 2,2-Dichloropropane	6.83	77	235813	20.23	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	173293	20.43	ug/l	99
28) Bromochloromethane	7.19	49	112746	18.29	ug/l	99
29) Tetrahydrofuran	7.22	42	183703	101.96	ug/l	100
30) Chloroform	7.37	83	288724	20.10	ug/l	99
31) Cyclohexane	7.66	56	258229	19.87	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	246362	19.97	ug/l	99
36) 1,1-Dichloropropene	7.79	75	220930	20.09	ug/l	99
37) Ethyl Acetate	6.93	43	122874	19.45	ug/l	99
38) Carbon Tetrachloride	7.78	117	218931	19.69	ug/l	98

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Quant Time: Aug 24 01:06:48 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	230441	19.37	ug/l	99
40) Benzene	8.04	78	676645	20.40	ug/l	100
41) Methacrylonitrile	7.18	41	67535	19.75	ug/l	94
42) 1,2-Dichloroethane	8.13	62	198267	20.00	ug/l	100
43) Isopropyl Acetate	8.17	43	221356	20.38	ug/l #	88
44) Trichloroethene	8.84	130	175458	20.06	ug/l	98
45) 1,2-Dichloropropane	9.12	63	175825	20.17	ug/l	98
46) Dibromomethane	9.21	93	101009	19.72	ug/l	98
47) Bromodichloromethane	9.40	83	217362	20.26	ug/l	97
48) Methyl methacrylate	9.20	41	111385	20.12	ug/l	99
49) 1,4-Dioxane	9.20	88	29553	391.61	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	611955	94.41	ug/l	99
52) Toluene	10.16	92	410150	20.88	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	206323	19.32	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	247508	20.24	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	146560	20.10	ug/l	98
56) Ethyl methacrylate	10.43	69	165218	18.95	ug/l	99
57) 1,3-Dichloropropane	10.71	76	243965	20.27	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	350900	92.85	ug/l	100
59) 2-Hexanone	10.75	43	387413	89.78	ug/l	100
60) Dibromochloromethane	10.90	129	163595	20.04	ug/l	99
61) 1,2-Dibromoethane	11.01	107	139701	19.81	ug/l	99
64) Tetrachloroethene	10.63	164	163546	20.55	ug/l	98
65) Chlorobenzene	11.43	112	436770	19.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	163488	20.40	ug/l	99
67) Ethyl Benzene	11.51	91	721270	20.26	ug/l	100
68) m/p-Xylenes	11.62	106	566208	41.90	ug/l	99
69) o-Xylene	11.95	106	270419	20.81	ug/l	100
70) Styrene	11.96	104	417298	19.03	ug/l	99
71) Bromoform	12.13	173	107815	19.56	ug/l #	99
73) Isopropylbenzene	12.25	105	711193	21.95	ug/l	100
74) N-amyl acetate	12.07	43	161206	19.80	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	177792	22.11	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	201050	29.34	ug/l #	100
77) Bromobenzene	12.53	156	178492	20.27	ug/l	100
78) n-propylbenzene	12.59	91	784029	21.66	ug/l	100
79) 2-Chlorotoluene	12.67	91	480498	21.32	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	583903	22.34	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39702	19.59	ug/l	96
82) 4-Chlorotoluene	12.77	91	475017	21.34	ug/l	99
83) tert-Butylbenzene	12.99	119	488639	21.58	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	584338	22.22	ug/l	100
85) sec-Butylbenzene	13.17	105	643710	21.70	ug/l	100
86) p-Isopropyltoluene	13.29	119	551055	21.80	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	297568	19.92	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	285781	19.43	ug/l	99
89) n-Butylbenzene	13.62	91	400137	19.79	ug/l	99
90) Hexachloroethane	13.88	117	99035	20.67	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	293681	20.37	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22971	19.74	ug/l	97

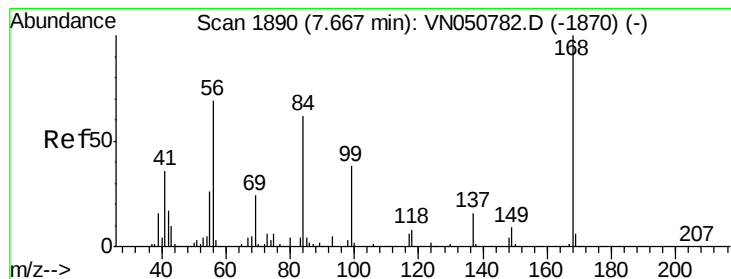
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082318\
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	109805	17.53	ug/l	98
94) Hexachlorobutadiene	15.01	225	90789	20.59	ug/l	99
95) Naphthalene	15.13	128	201177	16.88	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	112645	18.26	ug/l	97

(#) = 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: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

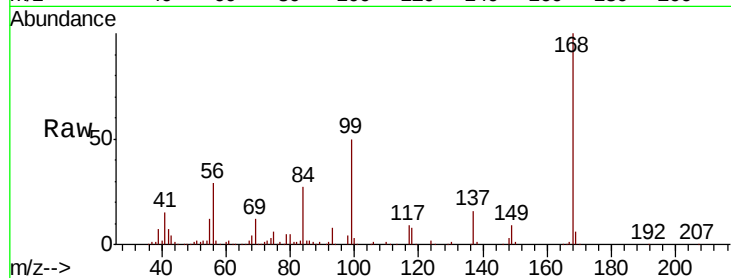
ClientSampleId :

Tot Ion:168 Resp: 647707

Ion Ratio Lower Upper

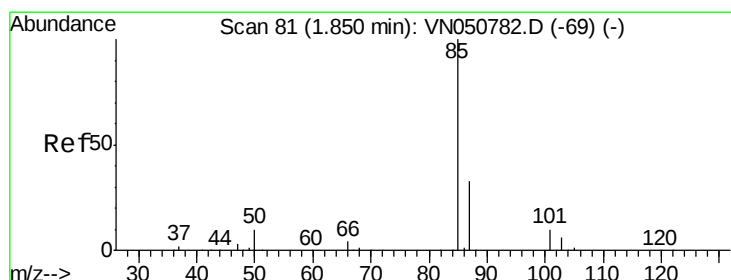
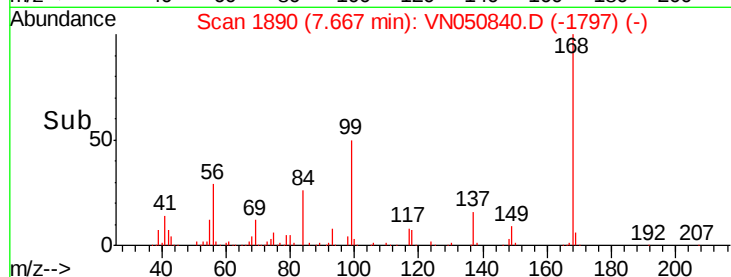
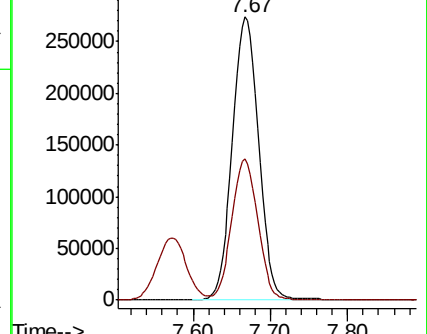
168 100

99 49.9 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 22.09 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050840.D

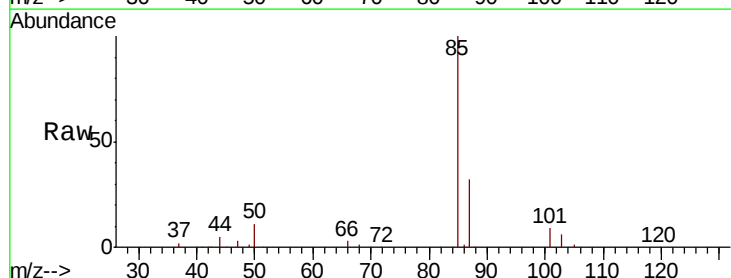
Acq: 23 Aug 2018 9:51

Tgt Ion: 85 Resp: 191443

Ion Ratio Lower Upper

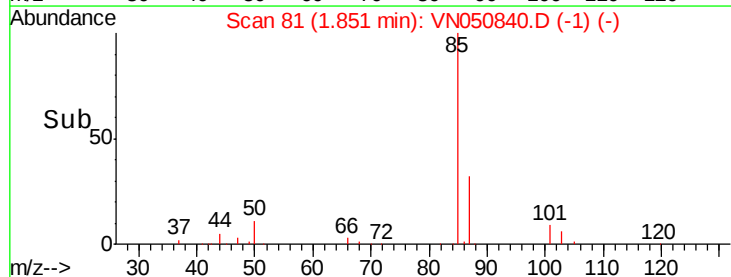
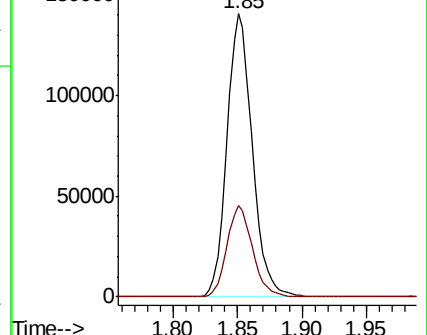
85 100

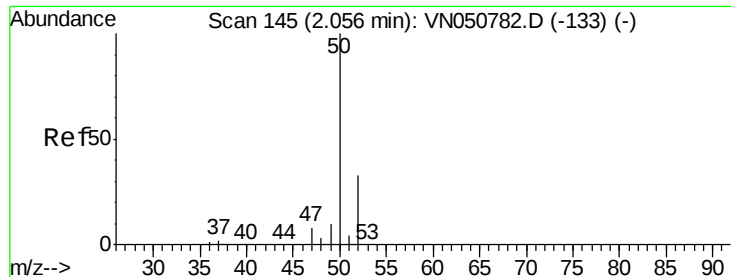
87 32.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

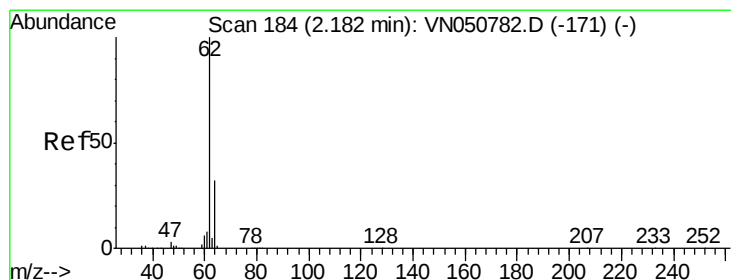
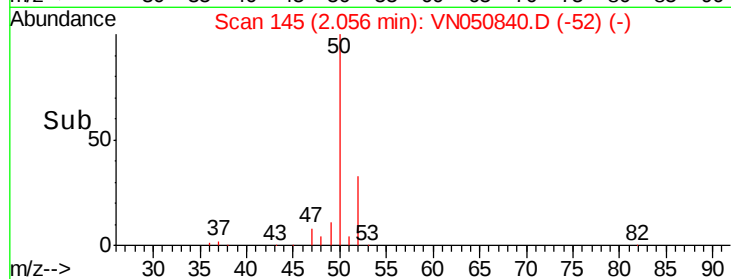
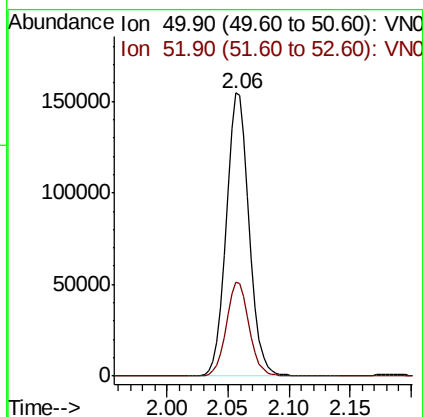
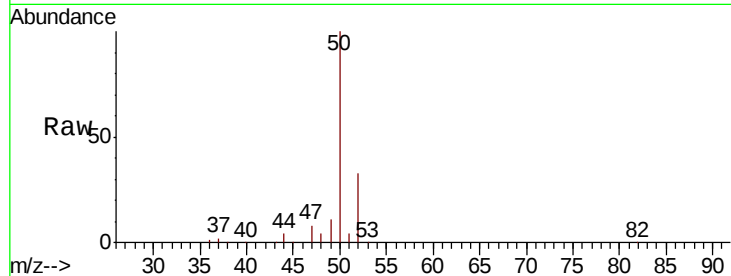




#3
Chloromethane
Concen: 19.07 ug/l
RT: 2.06 min Scan# 145
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

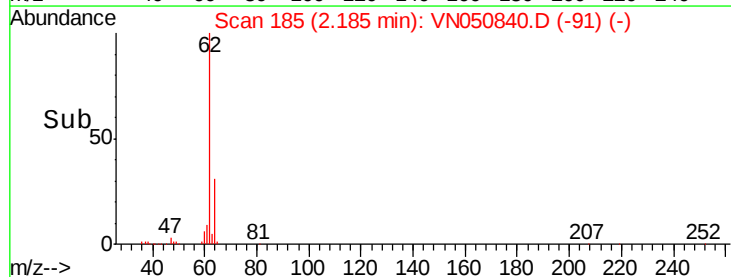
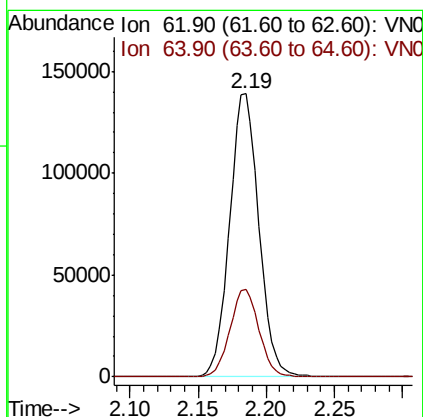
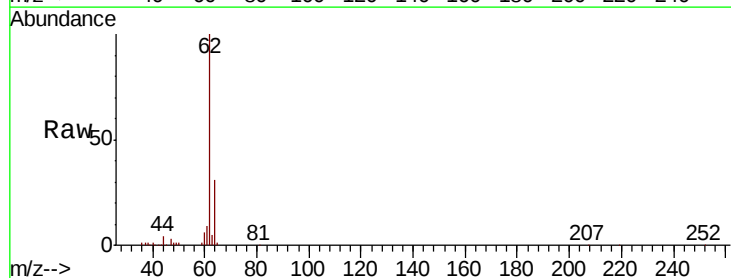
Instrument :
MSVOA_N
ClientSampled :

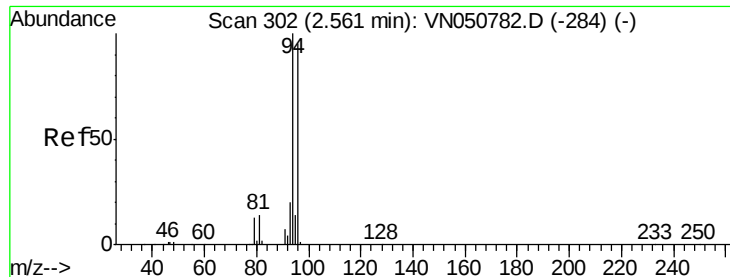
Tot Ion: 50 Resp: 203865
Ion Ratio Lower Upper
50 100
52 33.4 26.3 39.5



#4
Vinyl Chloride
Concen: 20.45 ug/l
RT: 2.19 min Scan# 185
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion: 62 Resp: 207085
Ion Ratio Lower Upper
62 100
64 30.7 25.4 38.2





#5

Bromomethane

Concen: 18.76 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

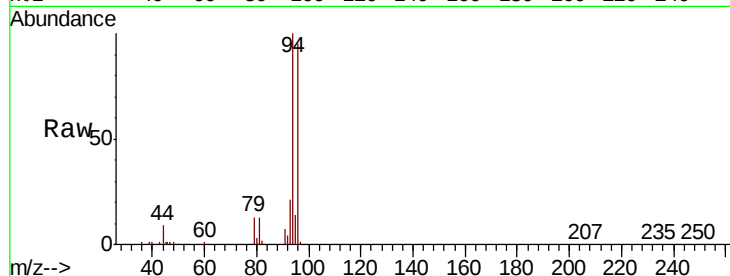
ClientSampled :

Tot Ion: 94 Resp: 111851

Ion Ratio Lower Upper

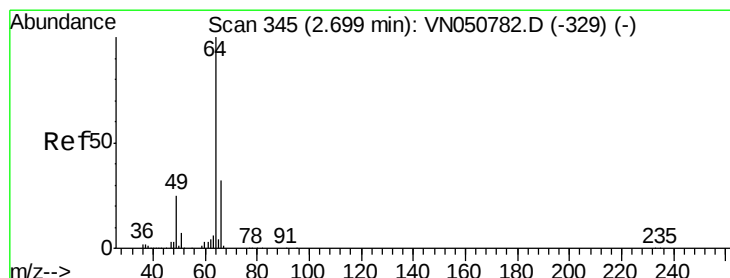
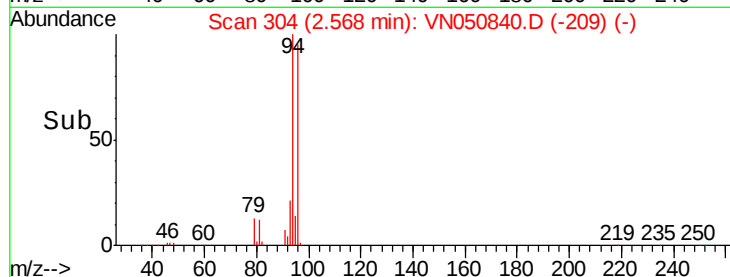
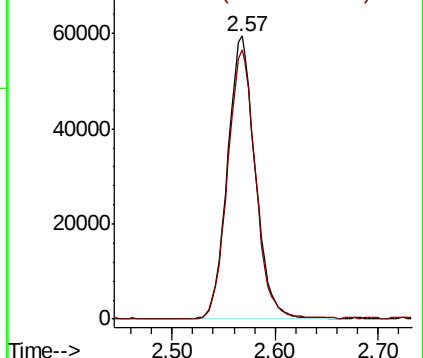
94 100

96 95.1 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.84 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050840.D

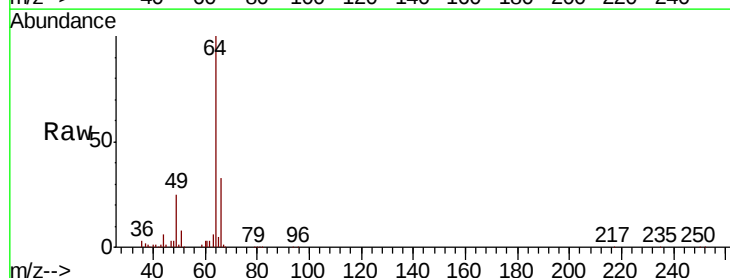
Acq: 23 Aug 2018 9:51

Tgt Ion: 64 Resp: 116075

Ion Ratio Lower Upper

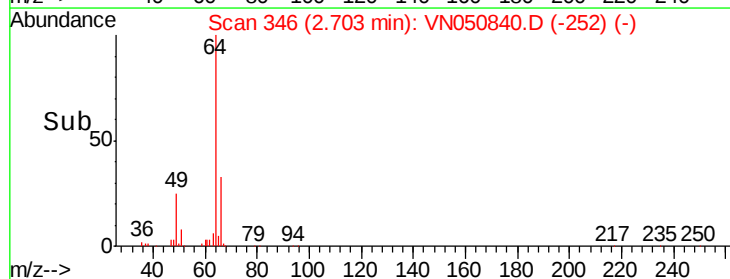
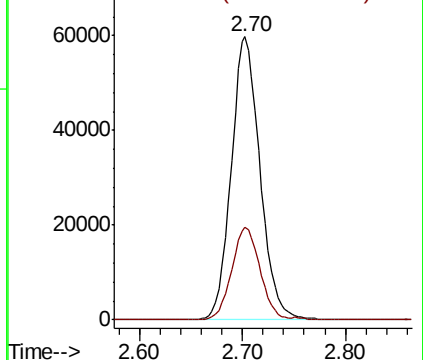
64 100

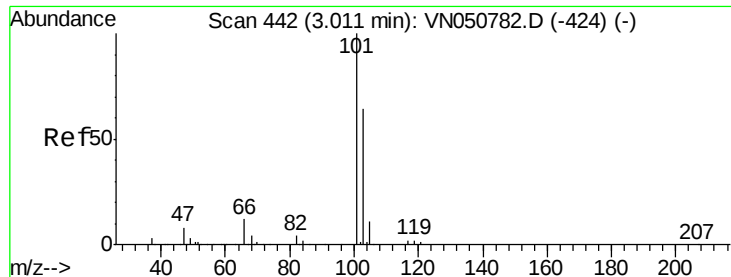
66 32.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



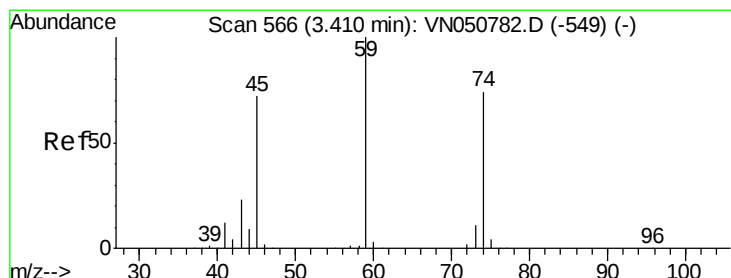
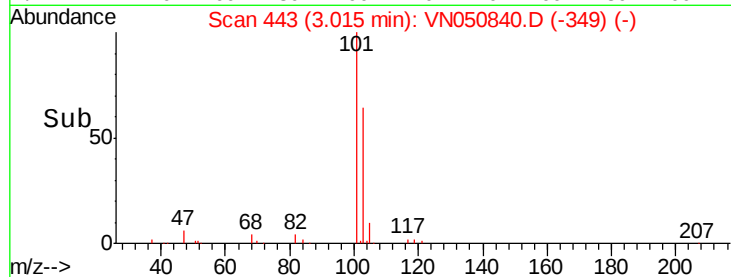
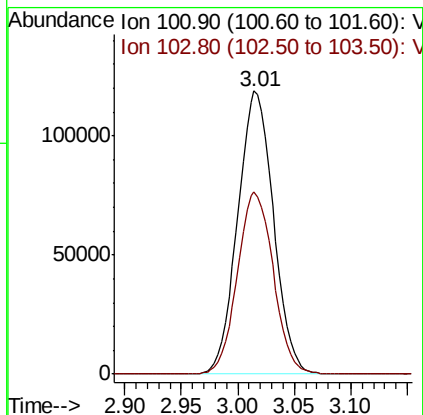
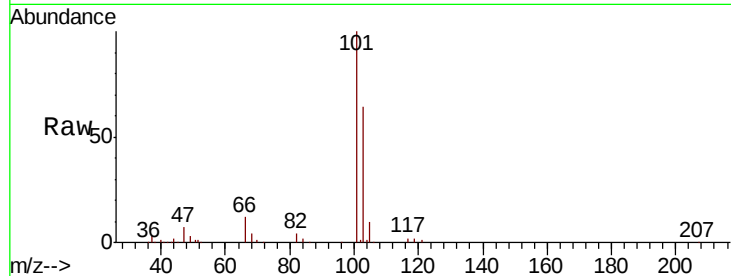


#7

Trichlorofluoromethane
 Concen: 20.19 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Instrument :
 MSVOA_N
 ClientSampled :

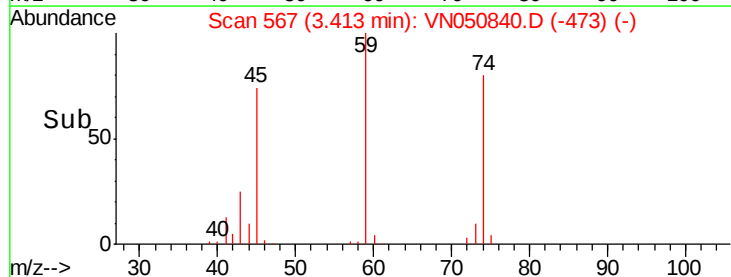
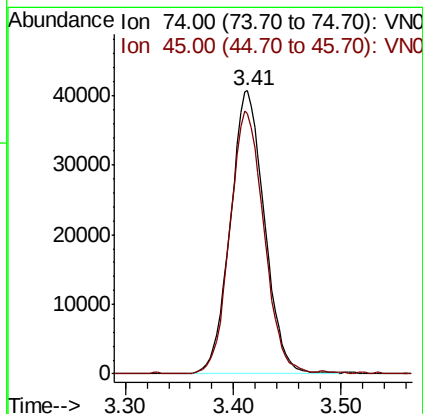
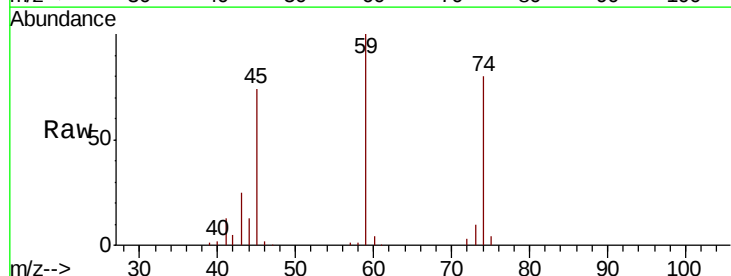
Tot Ion:101 Resp: 261807
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.6 77.4

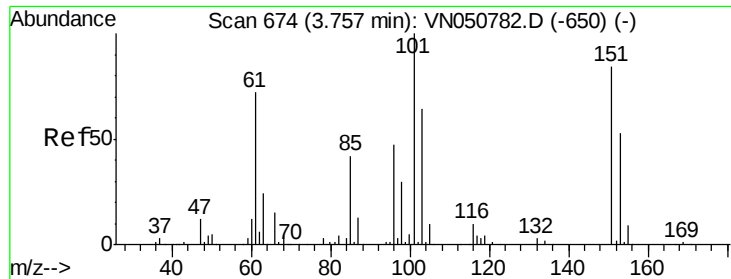


#8

Diethyl Ether
 Concen: 20.35 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion: 74 Resp: 89741
 Ion Ratio Lower Upper
 74 100
 45 92.9 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.24 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampleId :

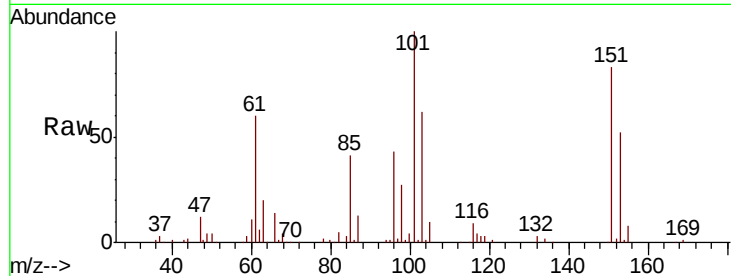
Tot Ion:101 Resp: 164028

Ion Ratio Lower Upper

101 100

85 41.2 33.7 50.5

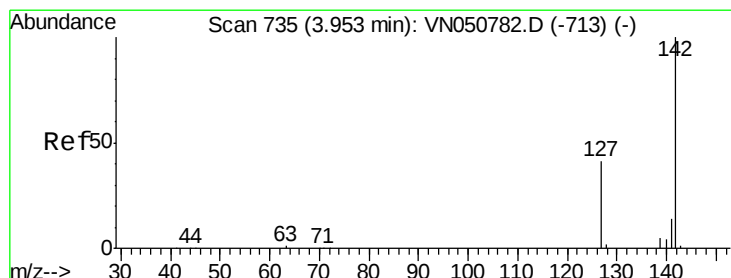
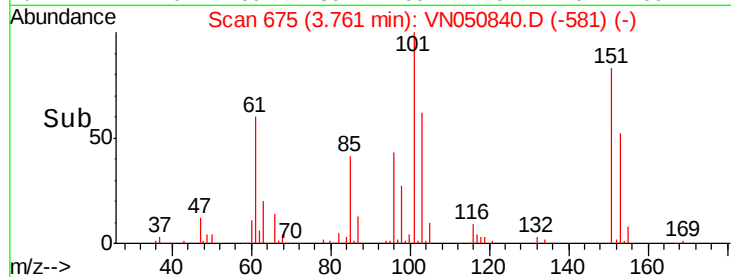
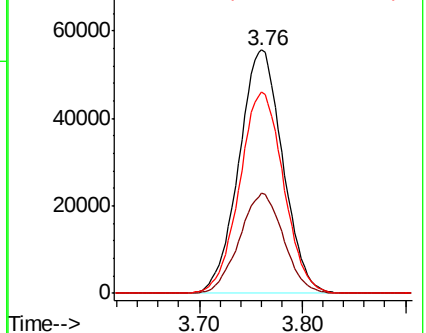
151 83.2 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.44 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

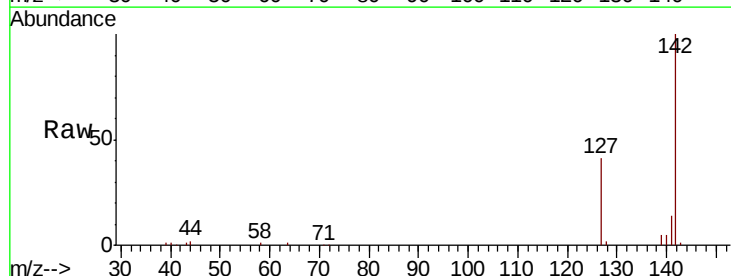
Tgt Ion:142 Resp: 106704

Ion Ratio Lower Upper

142 100

127 40.7 31.7 47.5

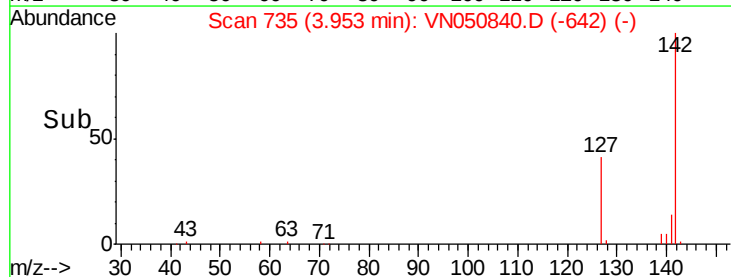
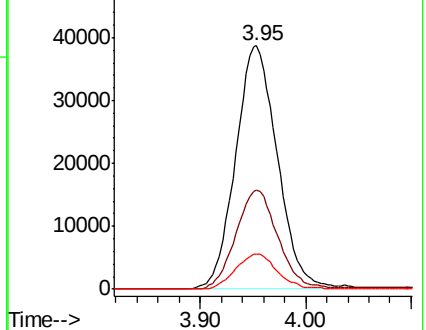
141 14.4 11.4 17.0

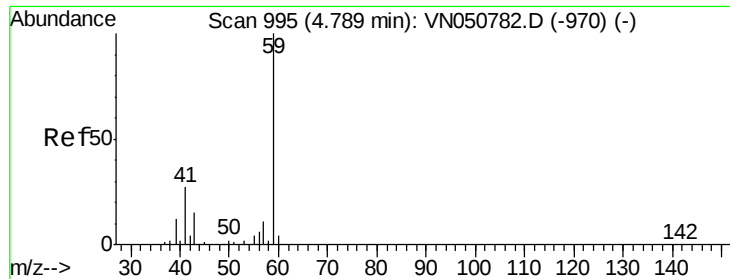


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



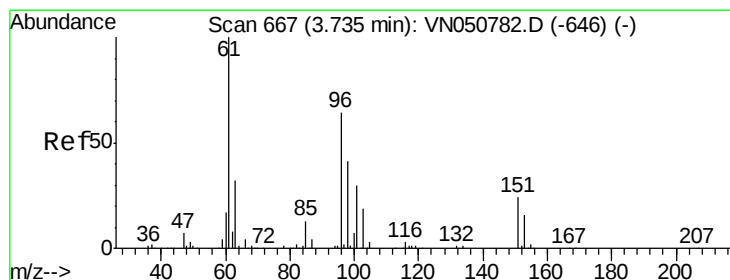
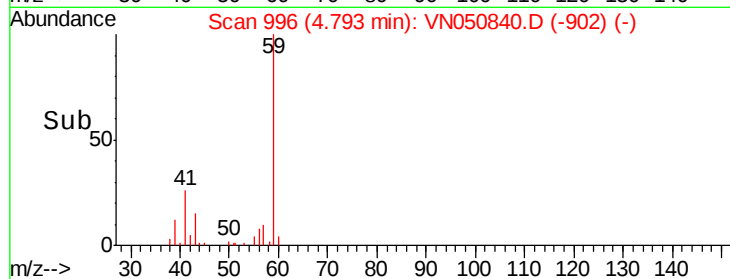
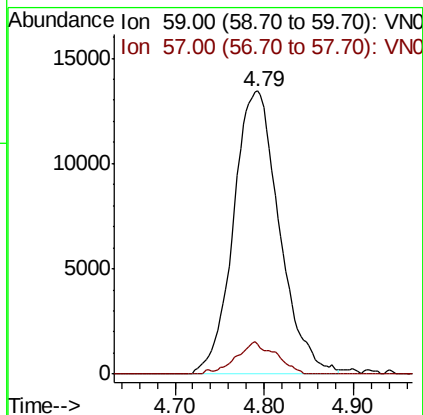
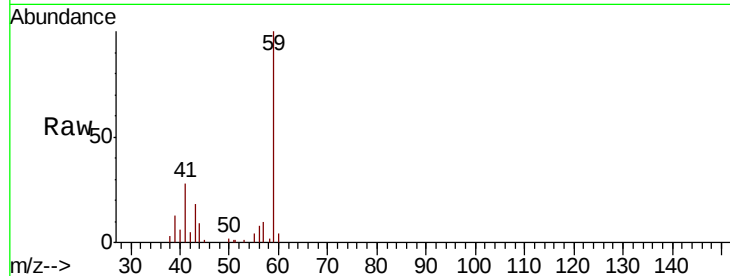


#11

Tert butyl alcohol
 Concen: 96.58 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Instrument :
 MSVOA_N
 ClientSampled :

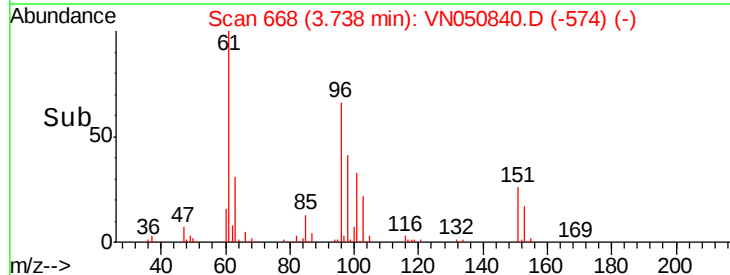
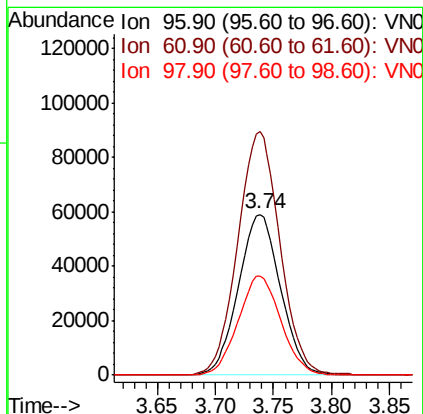
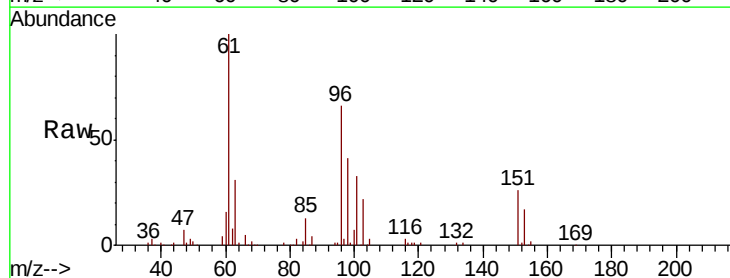
Tot Ion: 59 Resp: 47955
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.3 12.5

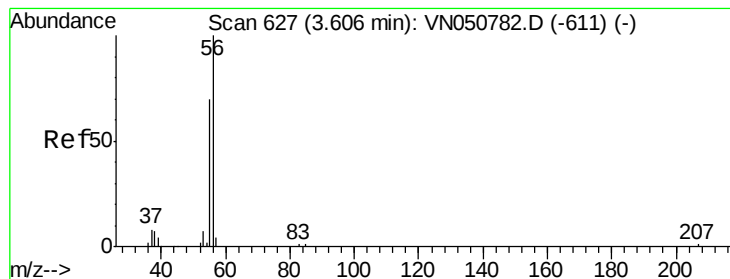


#12

1,1-Dichloroethene
 Concen: 20.47 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion: 96 Resp: 148924
 Ion Ratio Lower Upper
 96 100
 61 151.3 124.9 187.3
 98 61.7 51.1 76.7





#13

Acrolein

Concen: 89.72 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

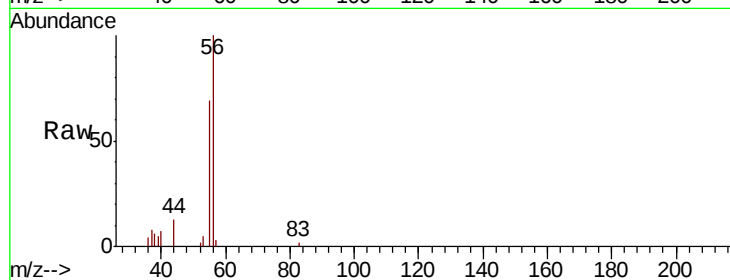
ClientSampled :

Tot Ion: 56 Resp: 22428

Ion Ratio Lower Upper

56 100

55 71.6 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

10000

8000

6000

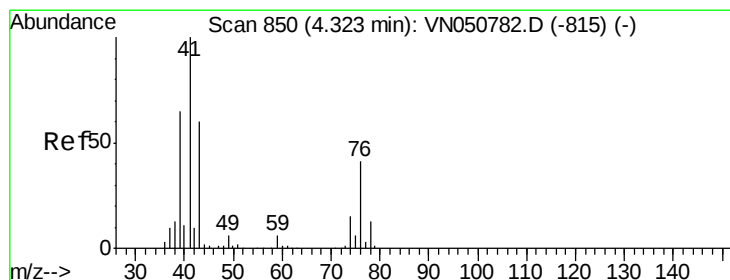
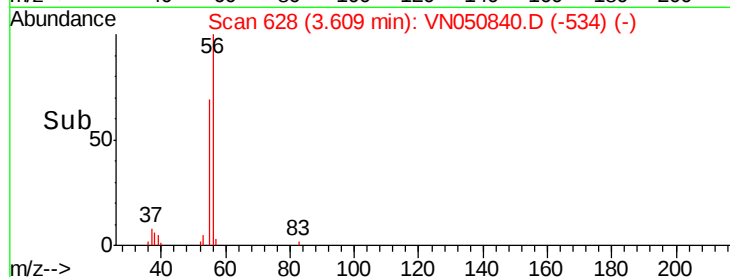
4000

2000

0

Time-->

3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 19.71 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

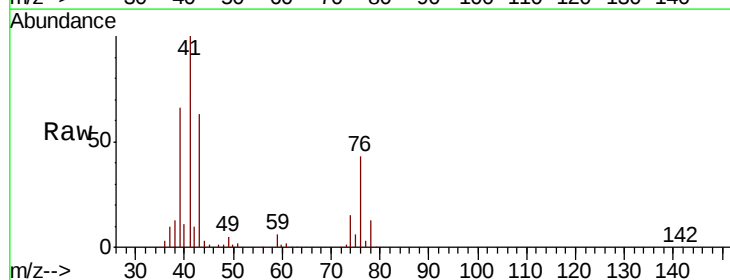
Tgt Ion: 41 Resp: 223401

Ion Ratio Lower Upper

41 100

39 63.4 50.2 75.2

76 37.9 29.8 44.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

100000

80000

60000

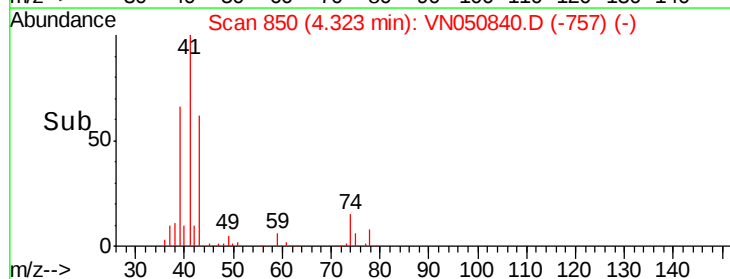
40000

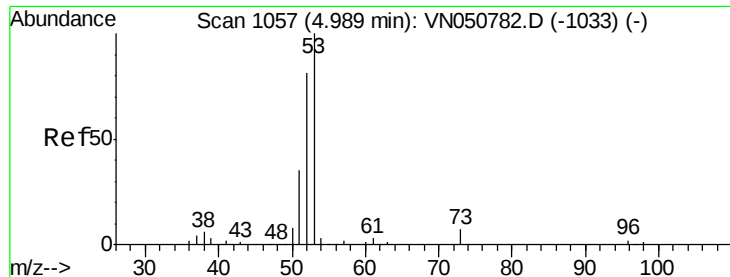
20000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 98.06 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampleId :

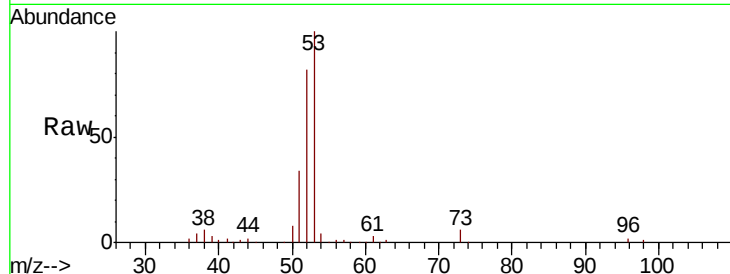
Tot Ion: 53 Resp: 247438

Ion Ratio Lower Upper

53 100

52 80.9 65.9 98.9

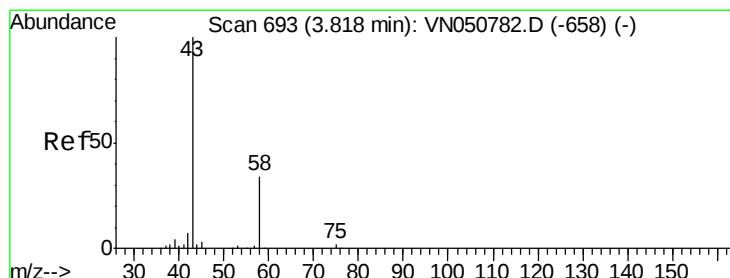
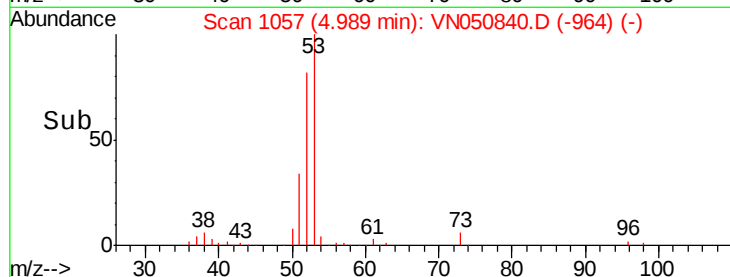
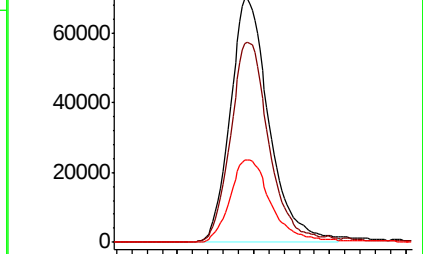
51 35.9 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN050840.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN050840.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN050840.D (-964) (-)



#16

Acetone

Concen: 95.46 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050840.D

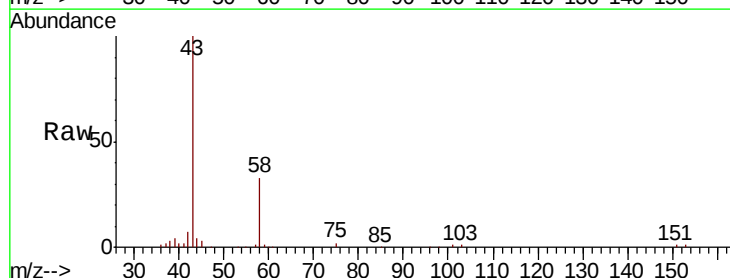
Acq: 23 Aug 2018 9:51

Tgt Ion: 43 Resp: 184326

Ion Ratio Lower Upper

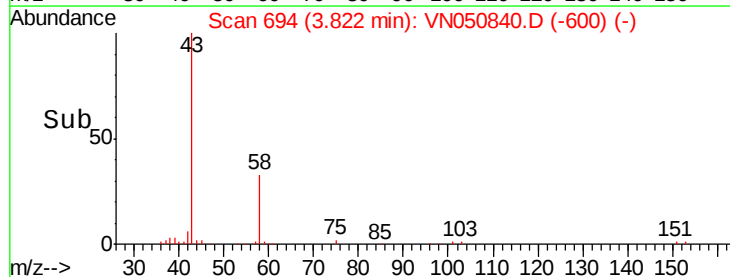
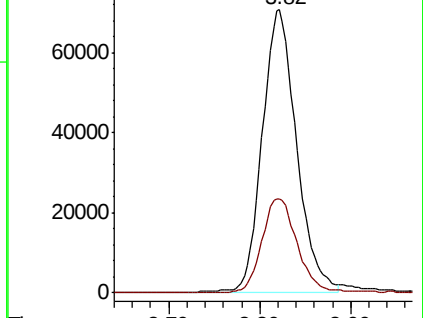
43 100

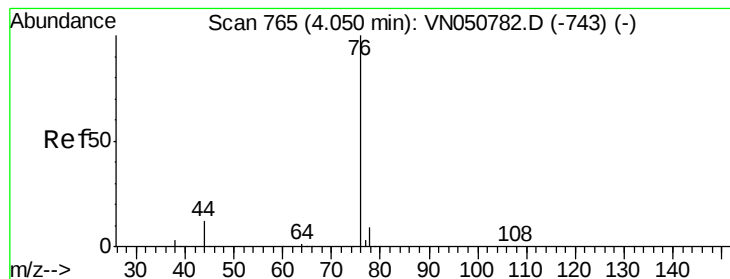
58 33.4 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN050840.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN050840.D (-600) (-)





#17

Carbon Disulfide

Concen: 18.40 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

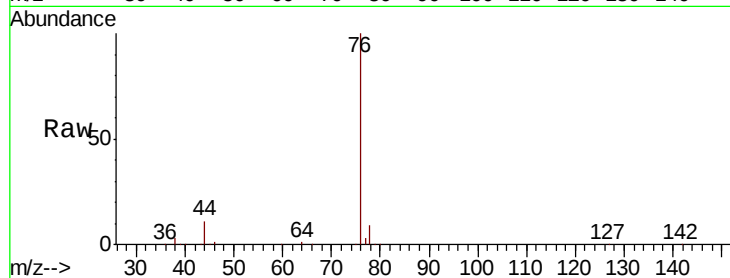
ClientSampleId :

Tot Ion: 76 Resp: 448792

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050782.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050782.D (-743) (-)

4.05

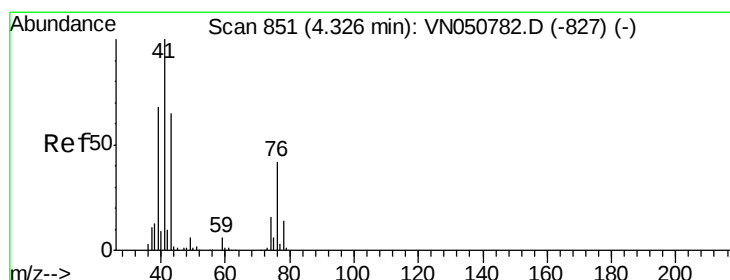
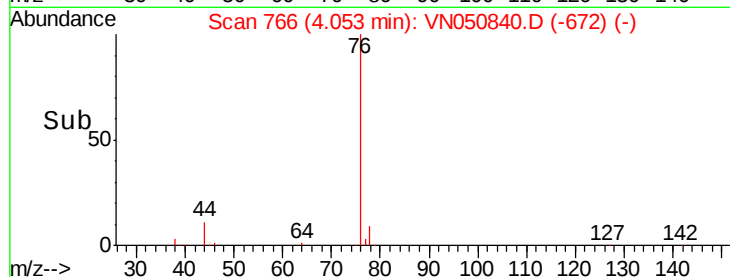
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.08 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050840.D

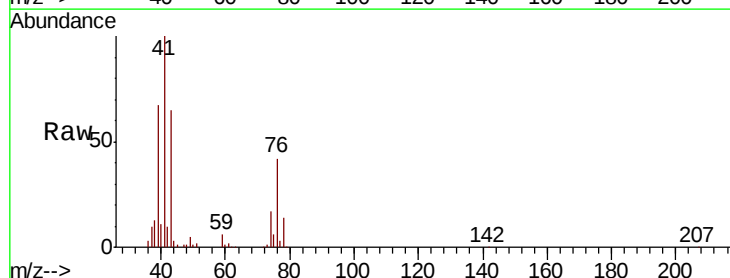
Acq: 23 Aug 2018 9:51

Tgt Ion: 43 Resp: 140465

Ion Ratio Lower Upper

43 100

74 25.0 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-827) (-)

Ion 74.00 (73.70 to 74.70): VN050782.D (-827) (-)

4.33

50000

40000

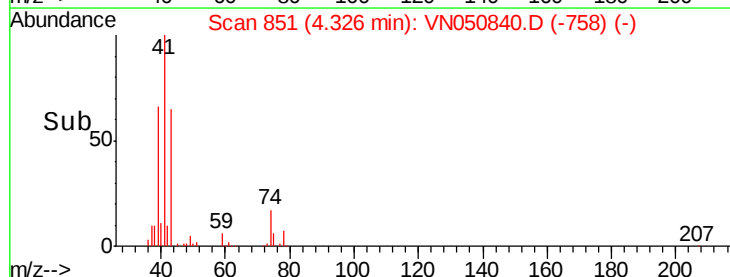
30000

20000

10000

0

Time-->

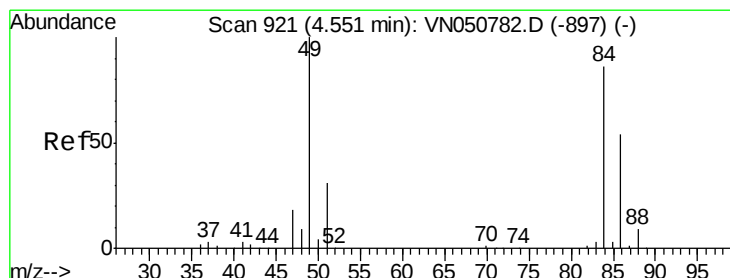
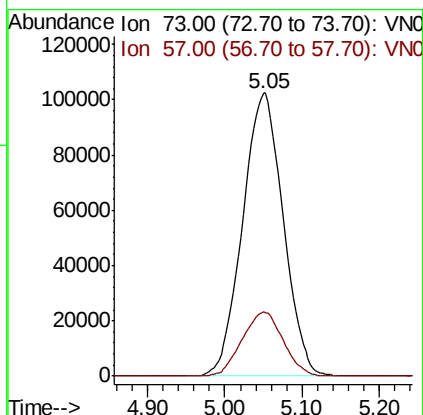
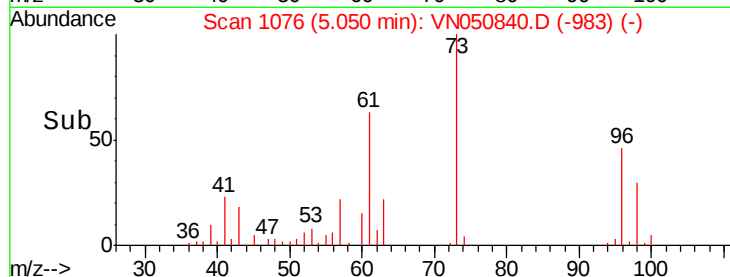
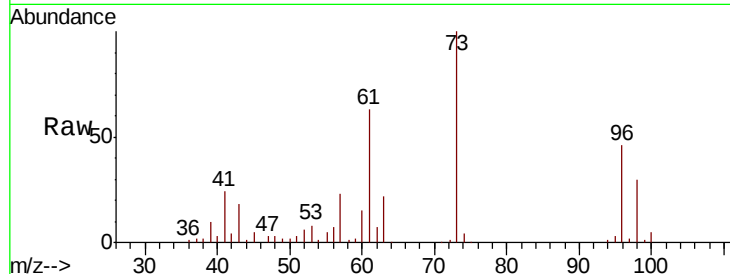




#19
Methyl tert-butyl Ether
Concen: 20.51 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

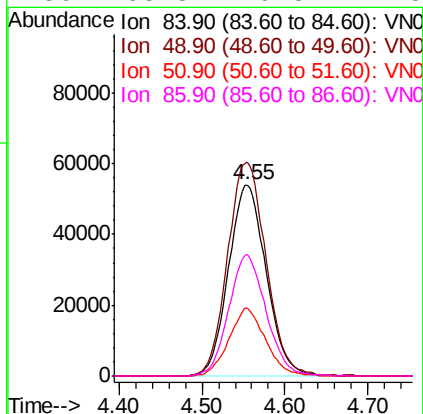
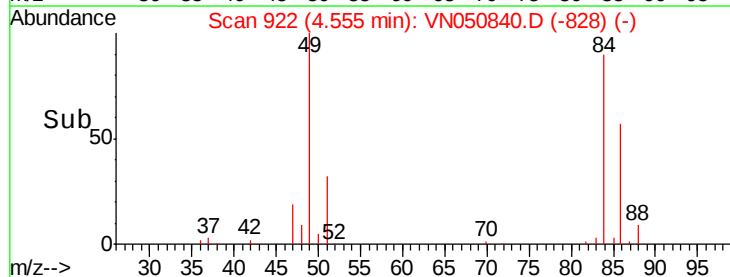
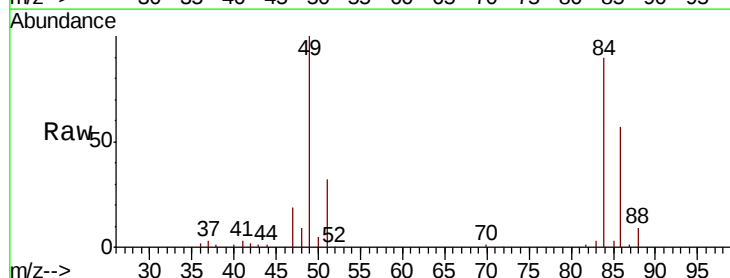
Instrument :
MSVOA_N
ClientSampled :

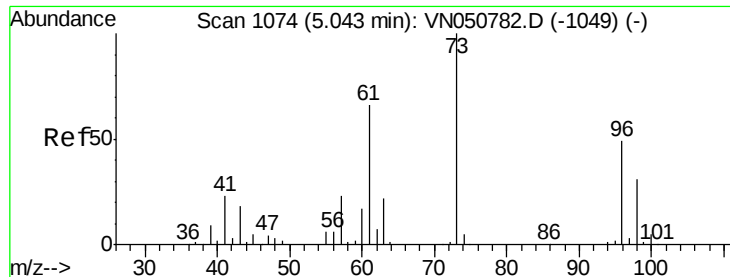
Tot Ion: 73 Resp: 375270
Ion Ratio Lower Upper
73 100
57 22.6 17.8 26.8



#20
Methylene Chloride
Concen: 19.46 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion: 84 Resp: 170982
Ion Ratio Lower Upper
84 100
49 111.7 93.2 139.8
51 35.5 29.0 43.6
86 63.8 49.8 74.8

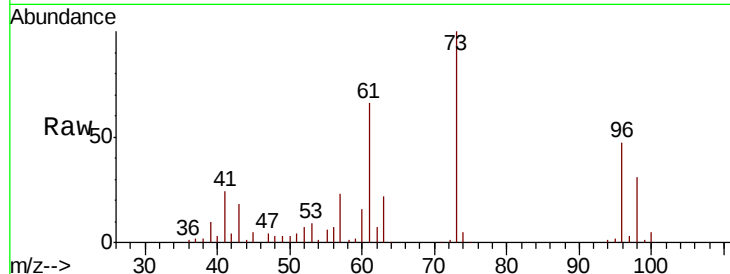




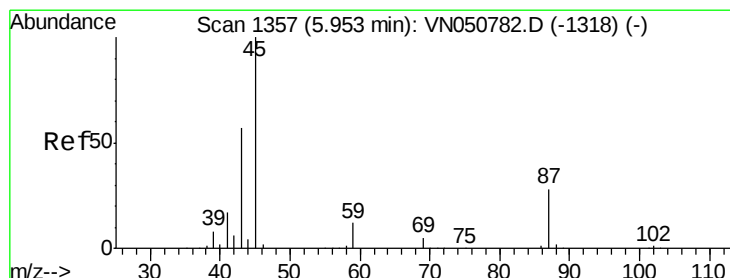
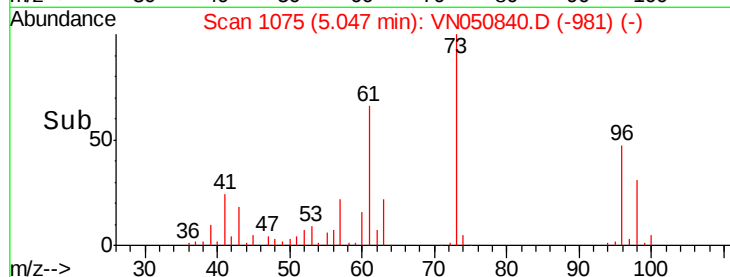
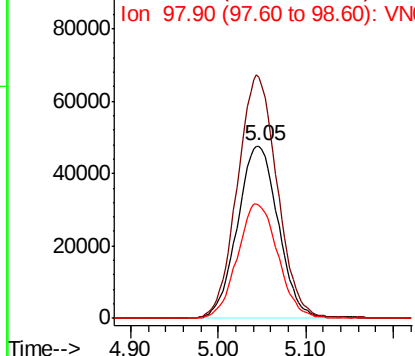
#21
trans-1,2-Dichloroethene
Concen: 19.58 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 154035
Ion Ratio Lower Upper
96 100
61 140.3 107.4 161.0
98 65.9 50.7 76.1

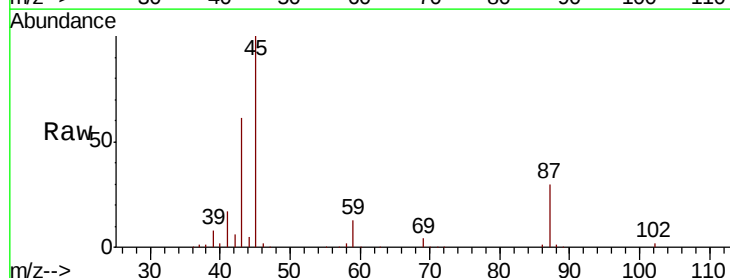


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

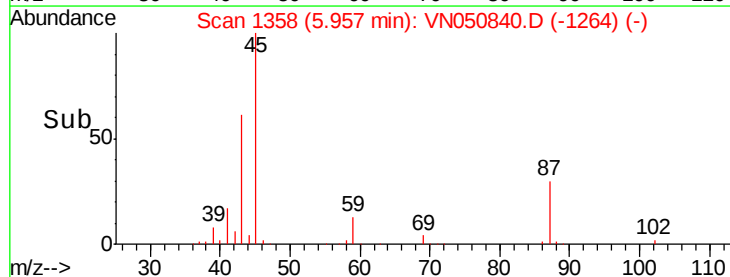
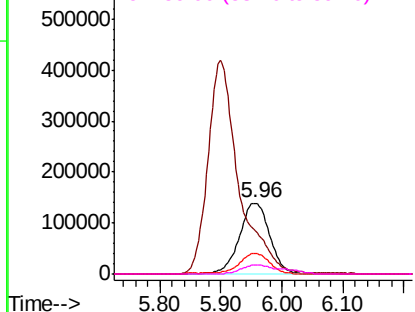


#22
Diisopropyl ether
Concen: 21.22 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion: 45 Resp: 479481
Ion Ratio Lower Upper
45 100
43 60.1 45.9 68.9
87 29.8 22.7 34.1
59 13.2 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

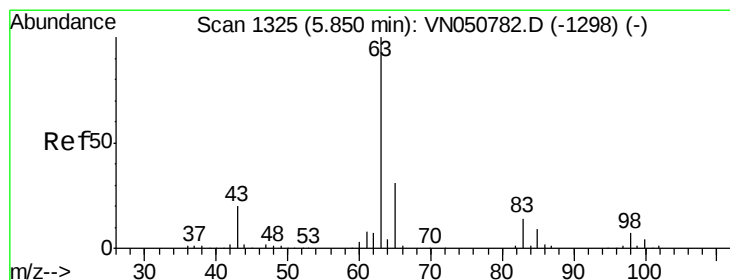
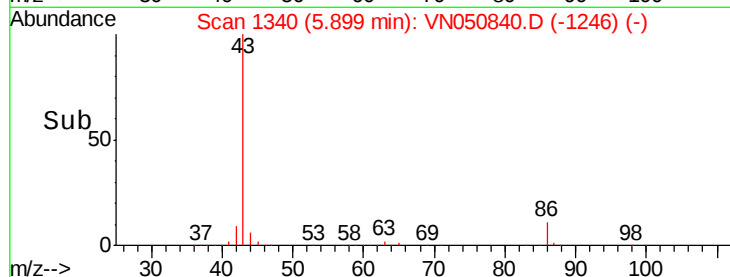
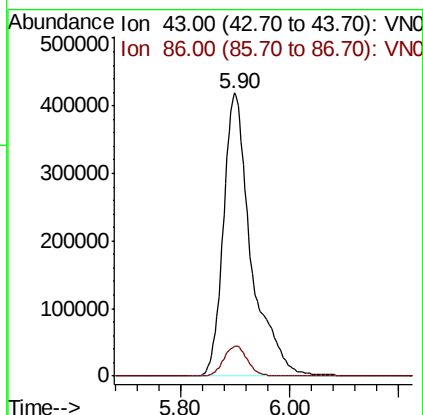
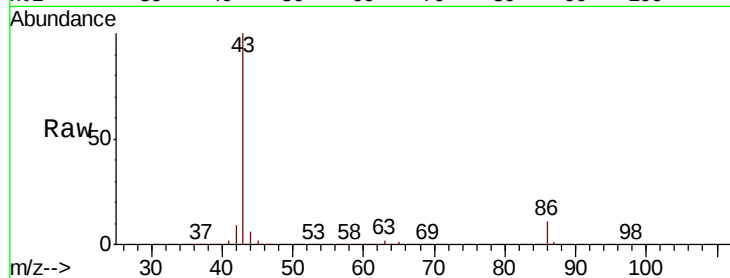




#23
 Vinyl Acetate
 Concen: 101.38 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

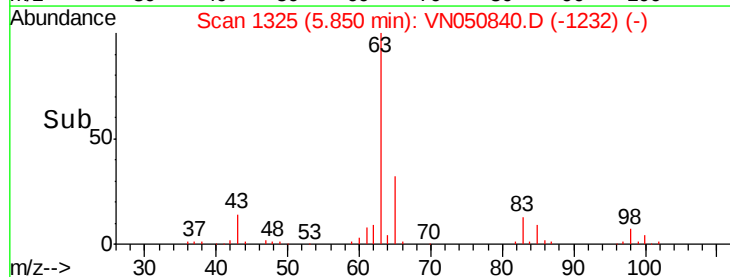
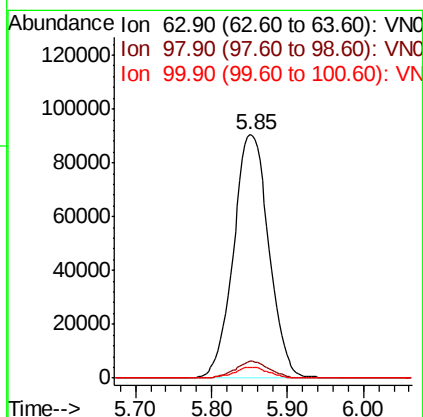
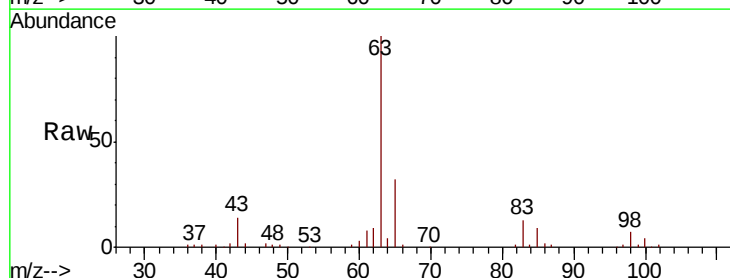
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 1474922
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 20.14 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion: 63 Resp: 292134
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.3 2.1 6.5

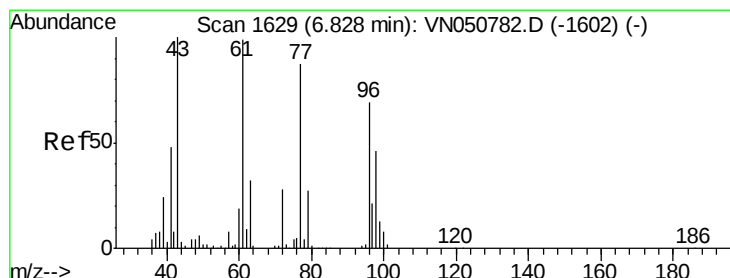
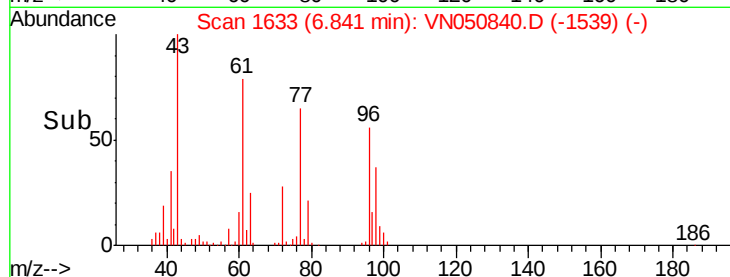
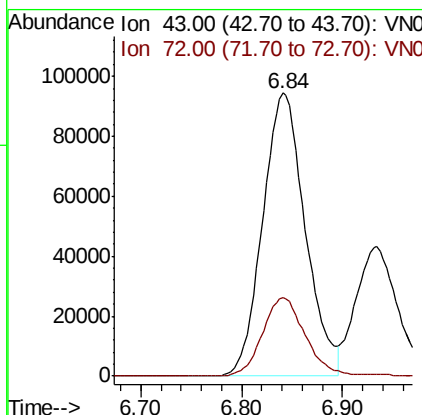
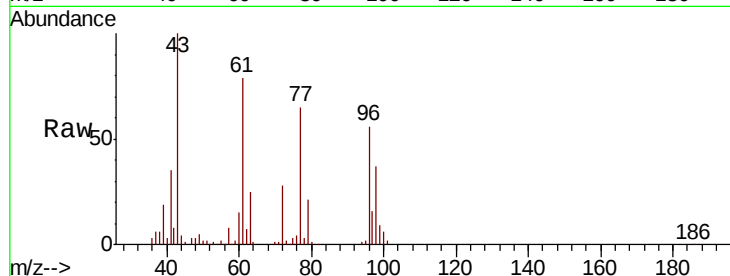




#25
 2-Butanone
 Concen: 88.33 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

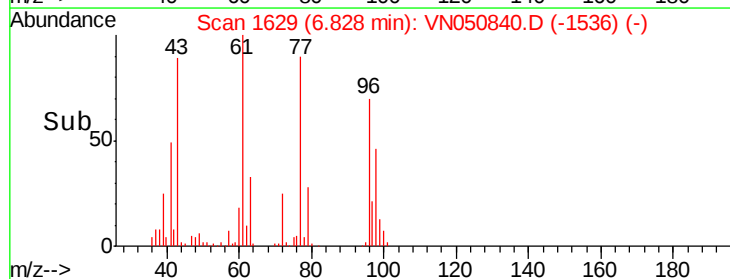
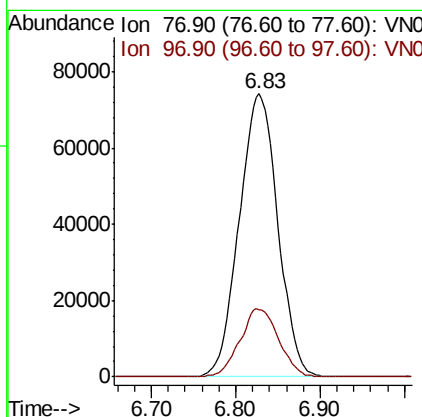
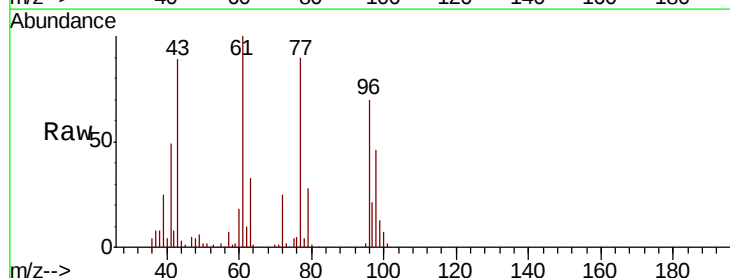
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 277573
 Ion Ratio Lower Upper
 43 100
 72 27.9 22.3 33.5



#26
 2,2-Dichloropropane
 Concen: 20.23 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion: 77 Resp: 235813
 Ion Ratio Lower Upper
 77 100
 97 24.1 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.43 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampled :

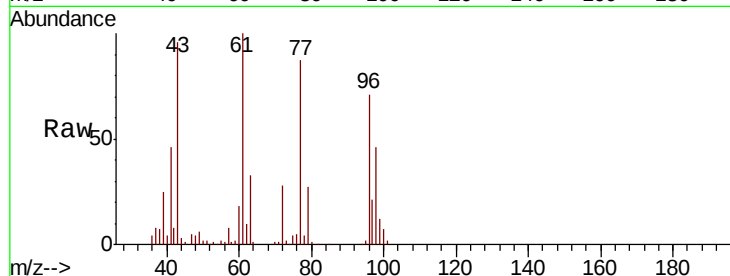
Tot Ion: 96 Resp: 173293

Ion Ratio Lower Upper

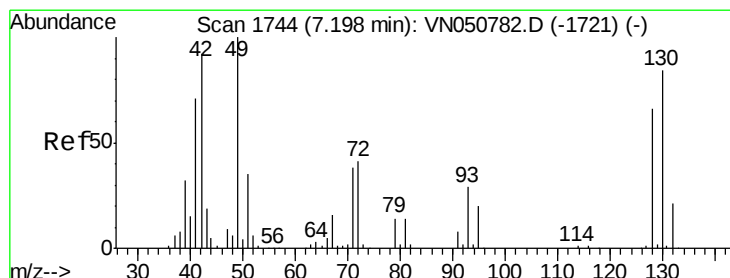
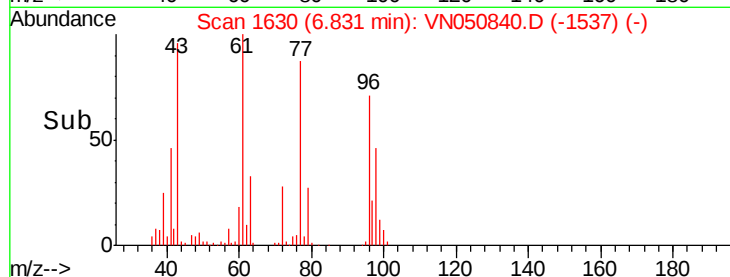
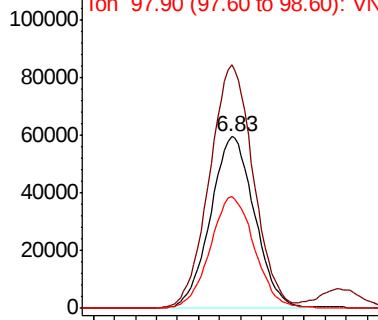
96 100

61 140.9 0.0 283.4

98 65.3 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.29 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

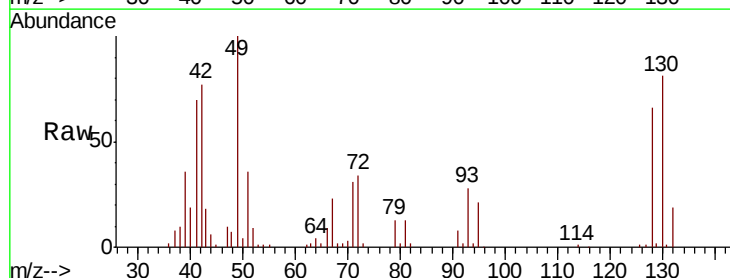
Tgt Ion: 49 Resp: 112746

Ion Ratio Lower Upper

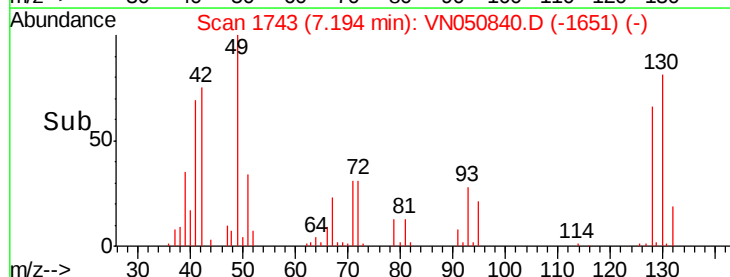
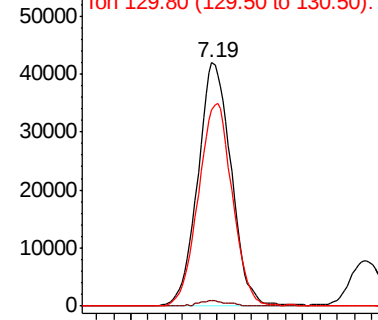
49 100

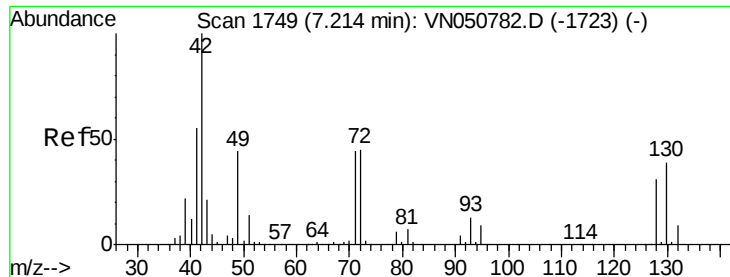
129 1.9 0.0 4.2

130 84.6 67.1 100.7



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

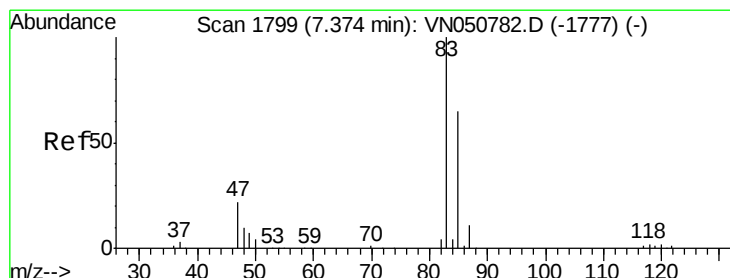
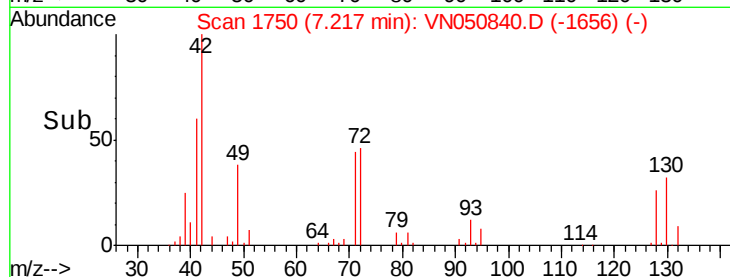
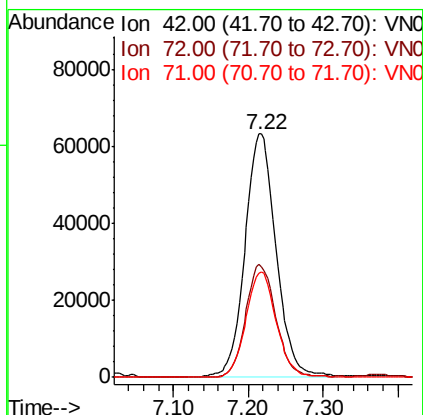
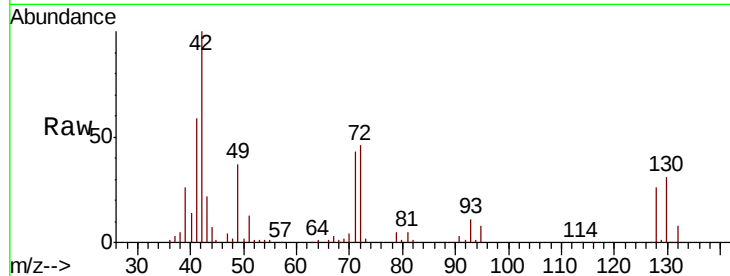




#29
Tetrahydrofuran
Concen: 101.96 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

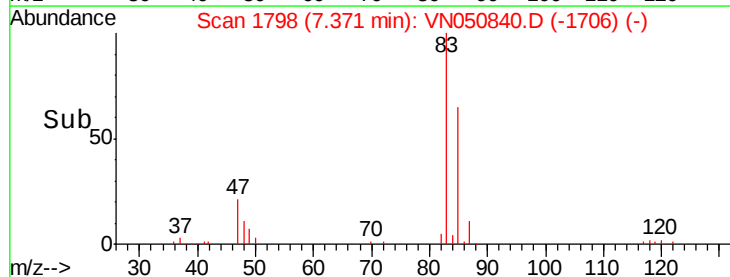
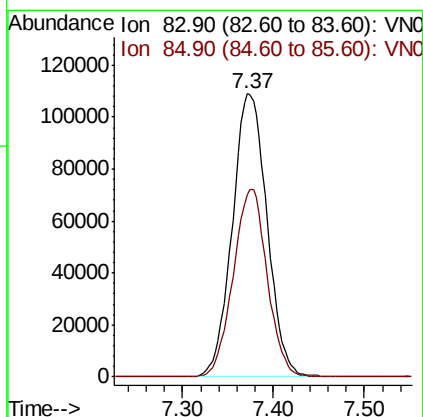
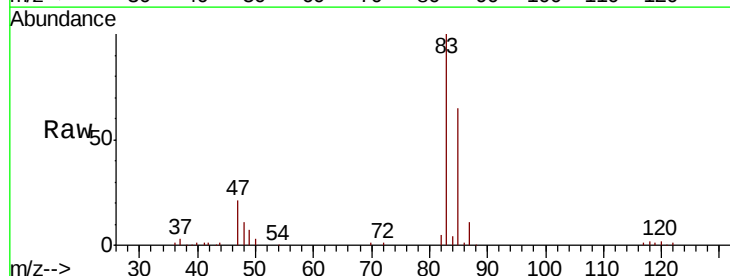
Instrument :
MSVOA_N
ClientSampleId :

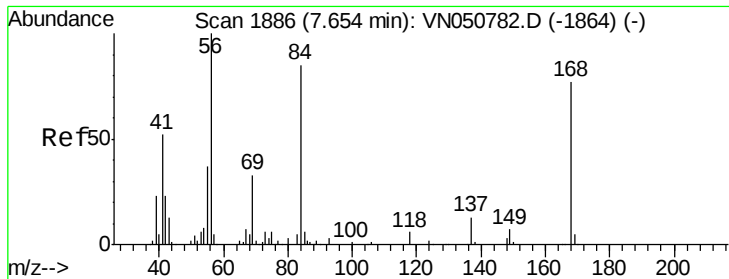
Tot Ion: 42 Resp: 183703
Ion Ratio Lower Upper
42 100
72 44.8 35.5 53.3
71 42.2 33.7 50.5



#30
Chloroform
Concen: 20.10 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion: 83 Resp: 288724
Ion Ratio Lower Upper
83 100
85 64.5 52.2 78.4





#31

Cyclohexane

Concen: 19.87 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampleId :

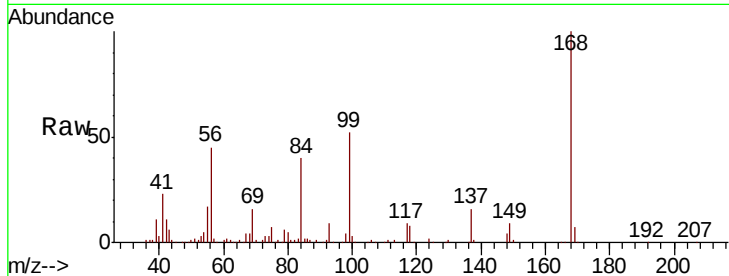
Tot Ion: 56 Resp: 258229

Ion Ratio Lower Upper

56 100

69 36.2 26.2 39.4

84 86.6 68.3 102.5

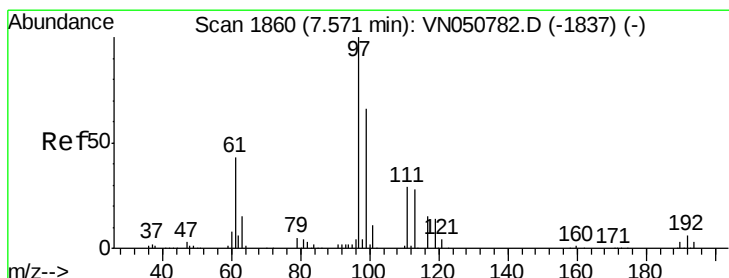
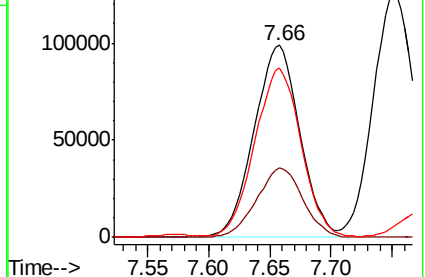
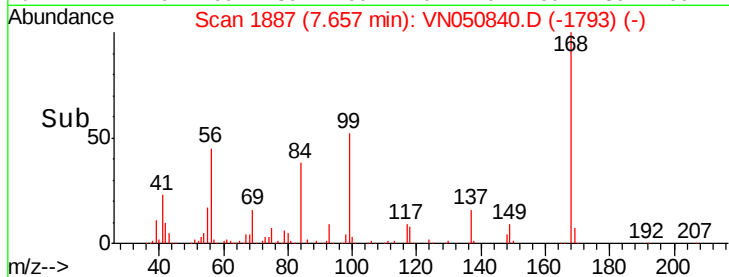


Abundance Ion 56.00 (55.70 to 56.70): VN050840.D (-1864) (-)

Ion 69.00 (68.70 to 69.70): VN050840.D (-1864) (-)

Ion 84.00 (83.70 to 84.70): VN050840.D (-1864) (-)

Time-->



#32

1,1,1-Trichloroethane

Concen: 19.97 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

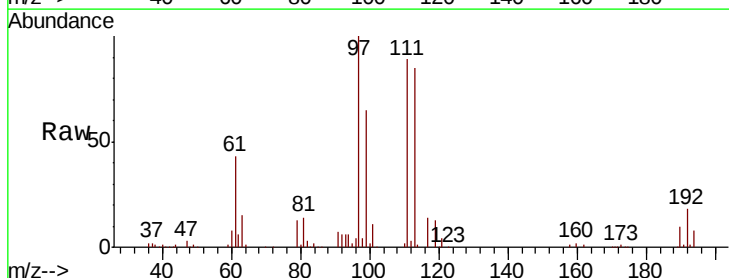
Tgt Ion: 97 Resp: 246362

Ion Ratio Lower Upper

97 100

99 65.6 51.8 77.6

61 43.3 34.9 52.3

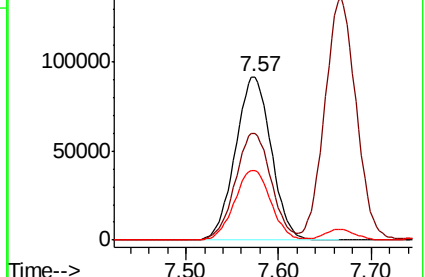
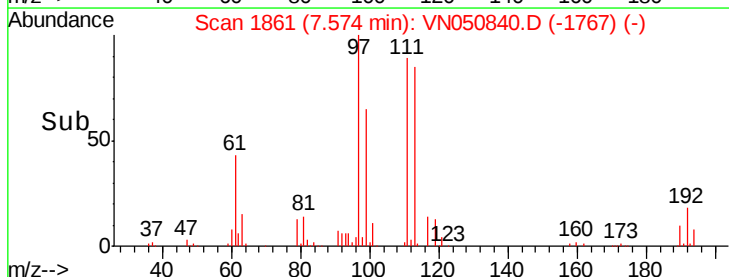


Abundance Ion 96.90 (96.60 to 97.60): VN050840.D (-1837) (-)

Ion 98.90 (98.60 to 99.60): VN050840.D (-1837) (-)

Ion 60.90 (60.60 to 61.60): VN050840.D (-1837) (-)

Time-->

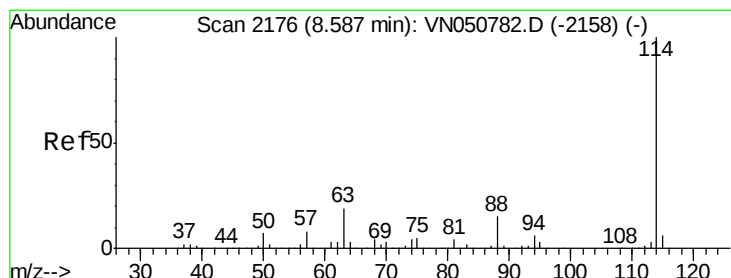
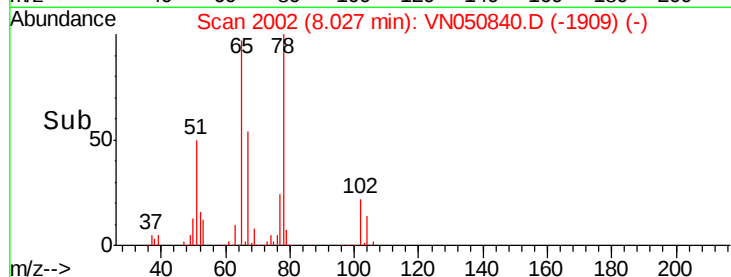
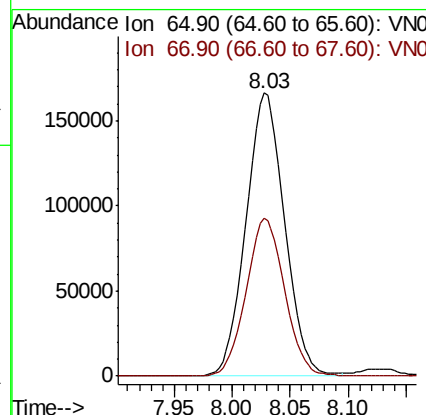
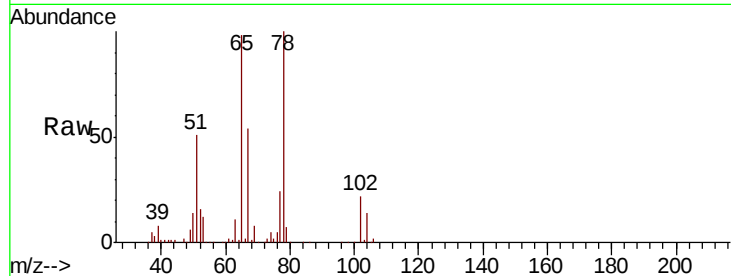




#33
 1,2-Dichloroethane-d4
 Concen: 49.56 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

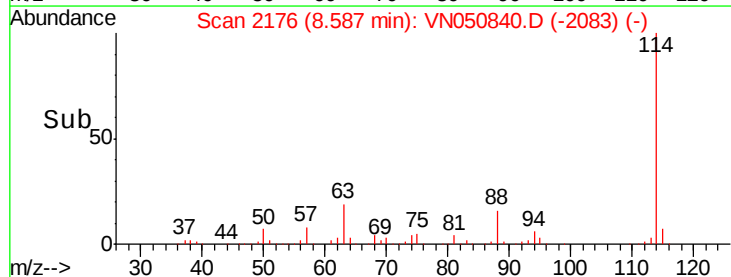
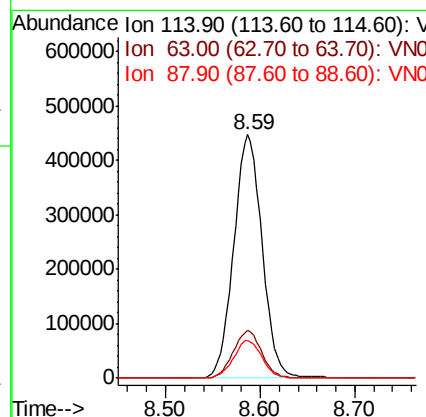
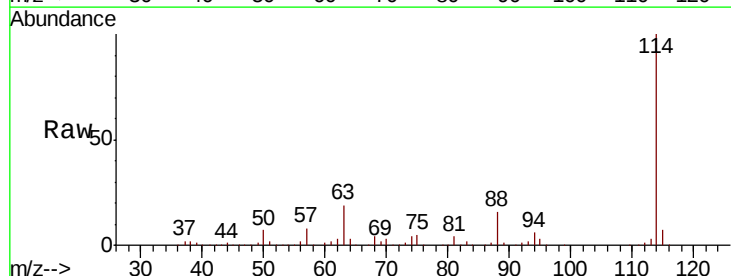
Instrument :
 MSVOA_N
 ClientSampleId :

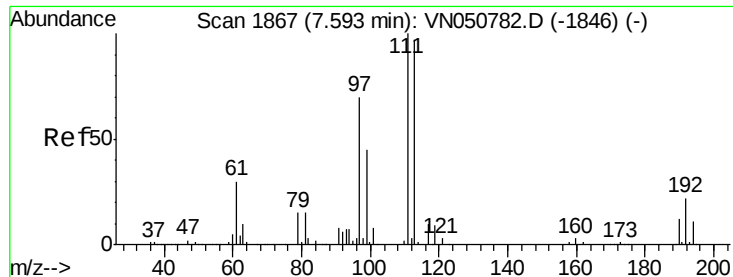
Tot Ion: 65 Resp: 386433
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion: 114 Resp: 931992
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.6 0.0 30.6

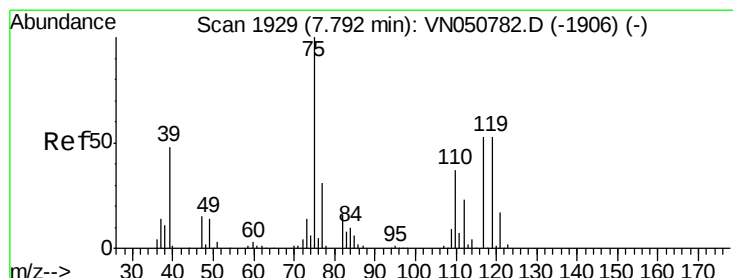
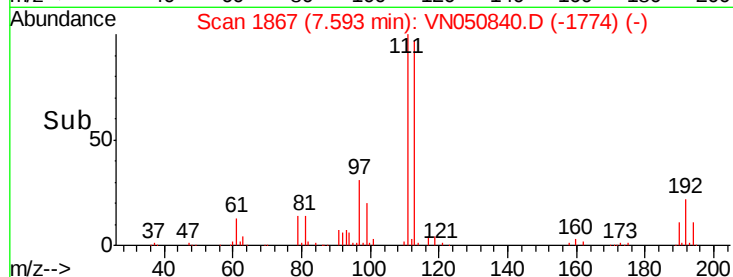
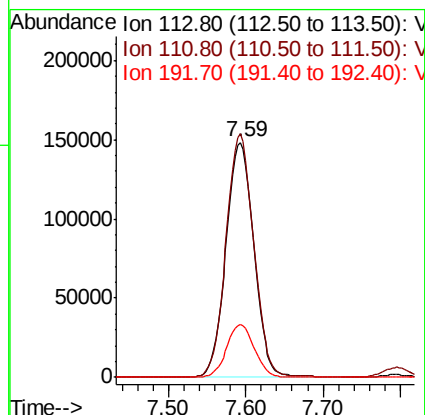
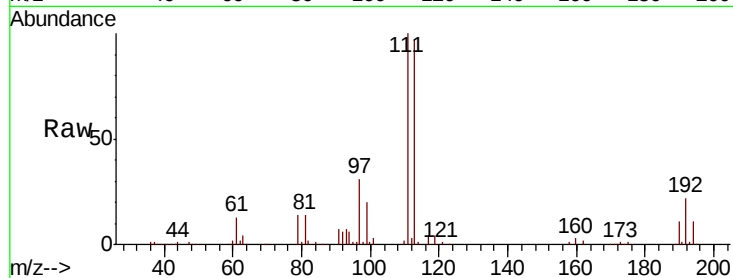




#35
 Dibromofluoromethane
 Concen: 50.22 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

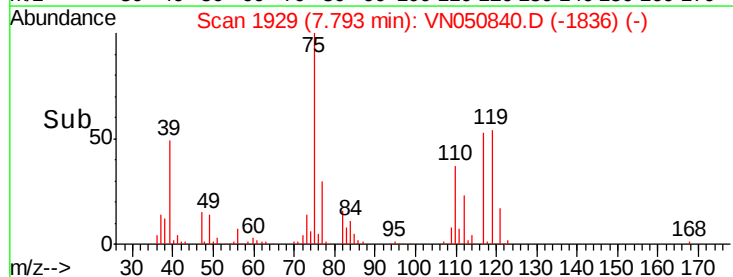
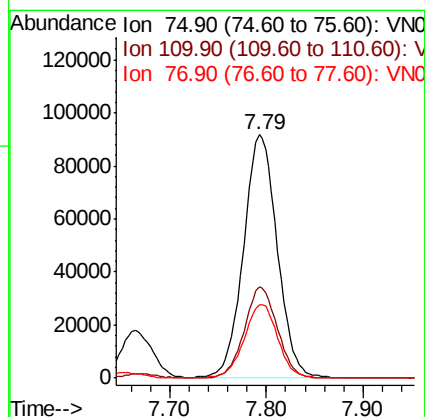
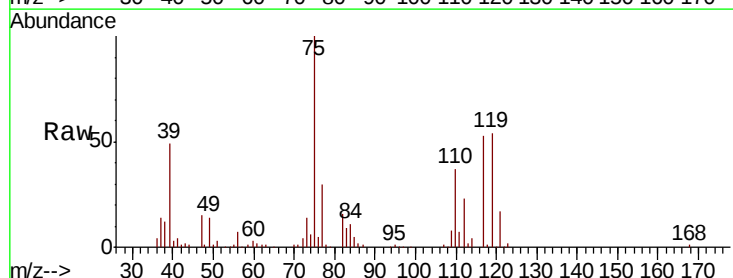
Instrument :
 MSVOA_N
 ClientSampleId :

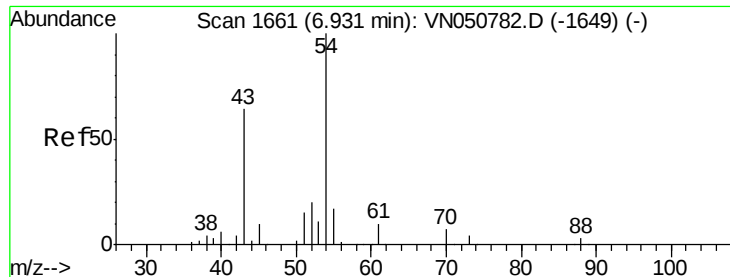
Tot Ion:113 Resp: 372334
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.6 123.8
 192 22.3 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 20.09 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion: 75 Resp: 220930
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.1 54.4
 77 30.4 24.8 37.2

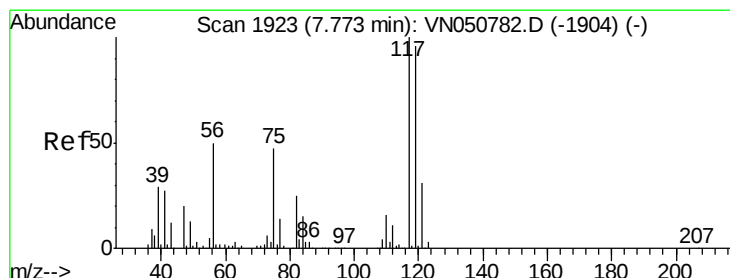
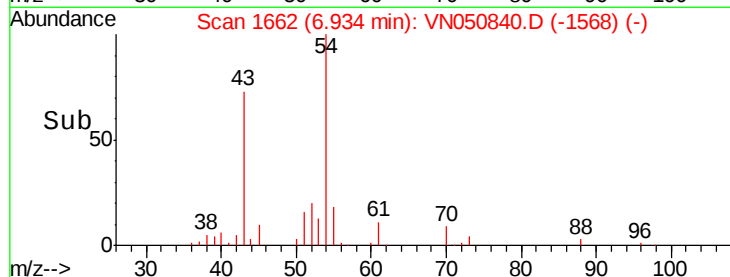
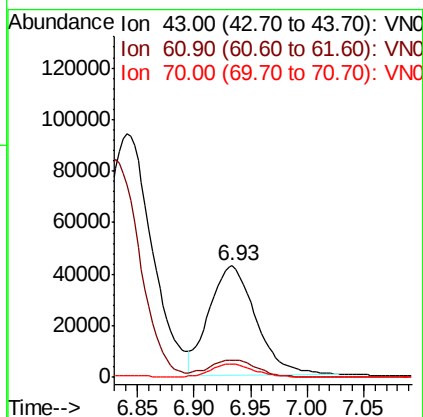
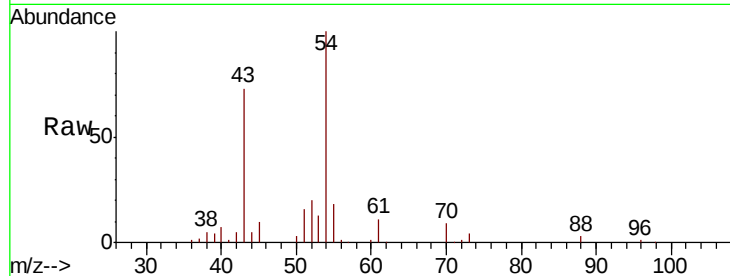




#37
Ethyl Acetate
Concen: 19.45 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

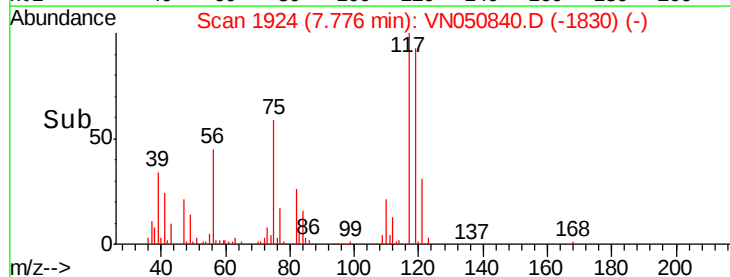
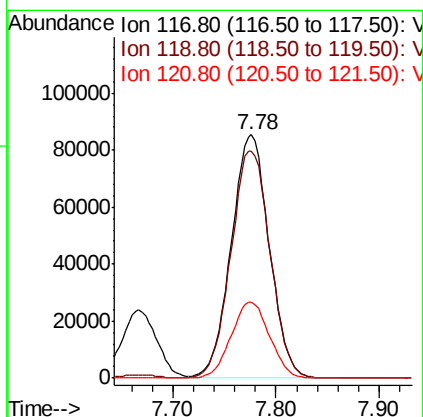
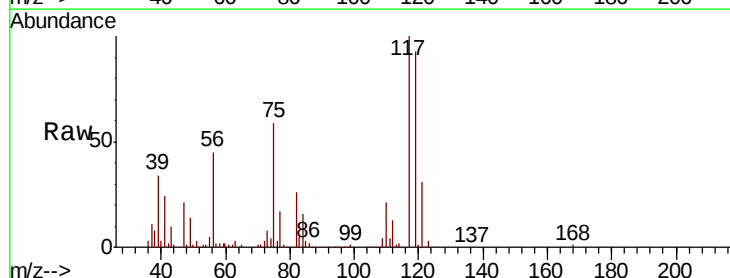
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 122874
Ion Ratio Lower Upper
43 100
61 15.4 12.0 18.0
70 11.5 8.6 13.0



#38
Carbon Tetrachloride
Concen: 19.69 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion: 117 Resp: 218931
Ion Ratio Lower Upper
117 100
119 93.2 76.3 114.5
121 31.0 24.6 36.8

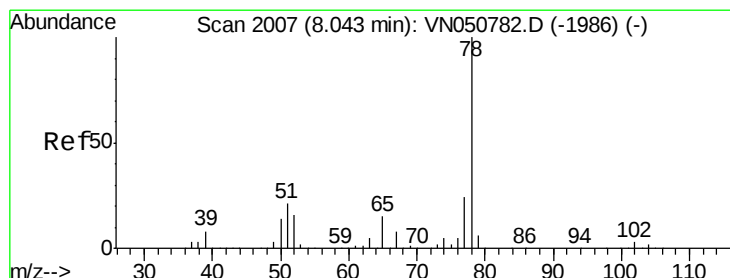
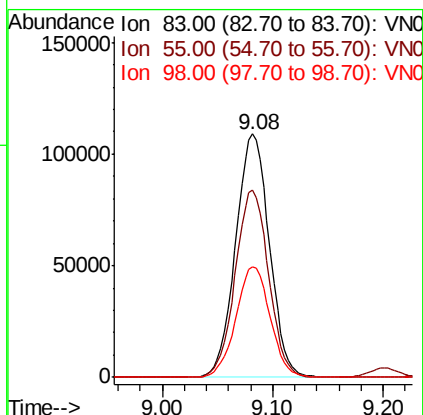
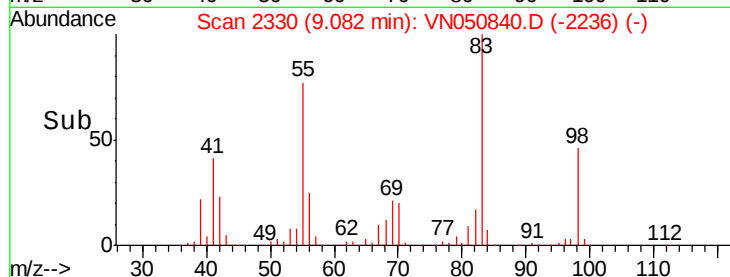
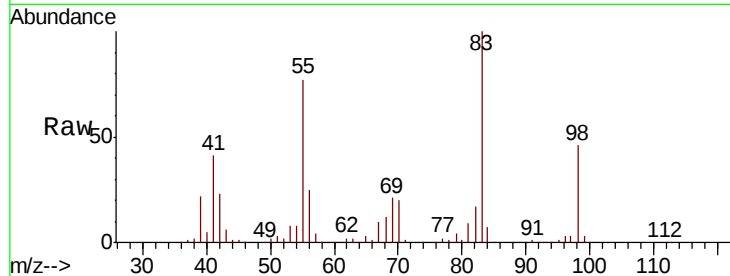




#39
Methvlcvclohexane
Concen: 19.37 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

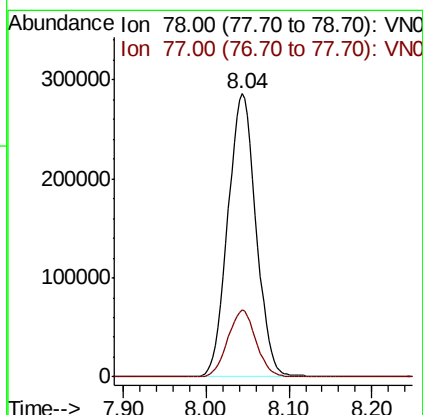
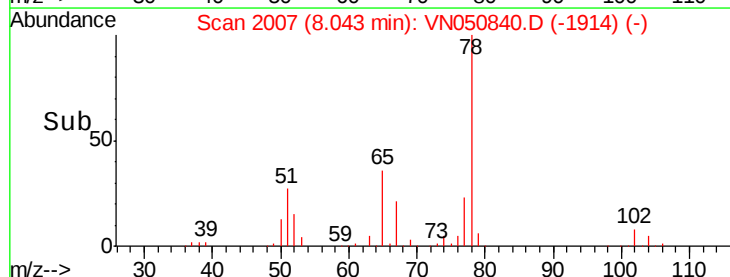
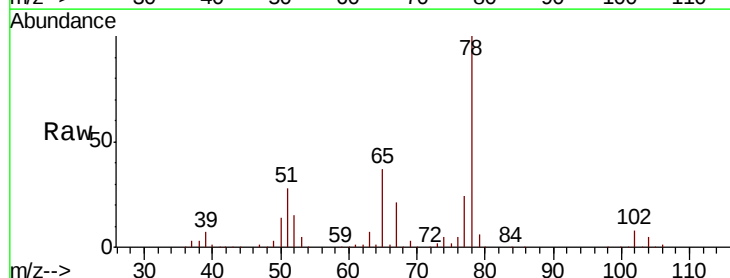
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 230441
Ion Ratio Lower Upper
83 100
55 77.1 61.0 91.4
98 45.6 37.5 56.3



#40
Benzene
Concen: 20.40 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion: 78 Resp: 676645
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4

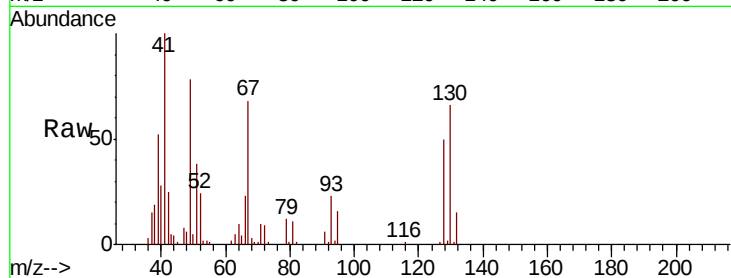




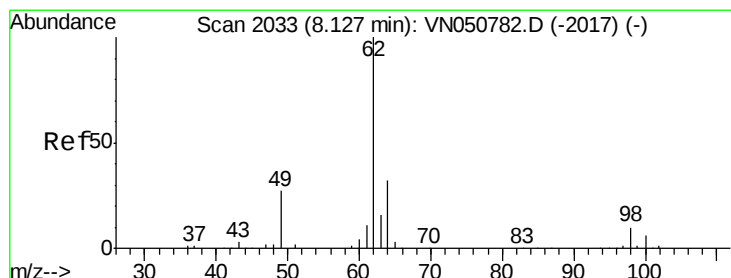
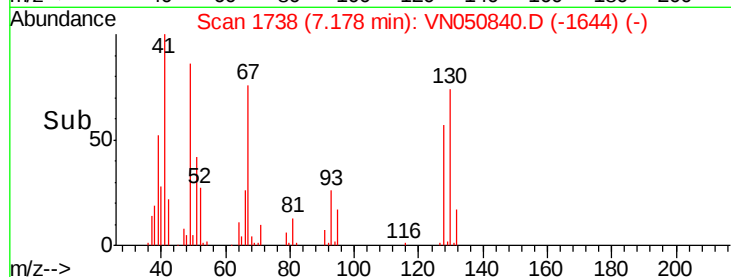
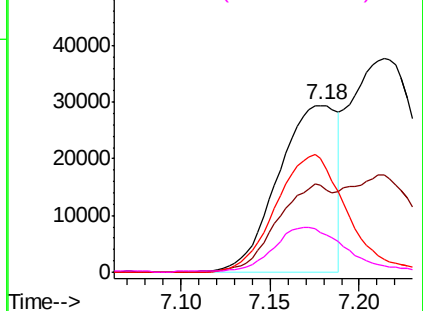
#41
Methacrylonitrile
Concen: 19.75 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 67535
Ion Ratio Lower Upper
41 100
39 47.9 45.4 68.0
67 85.4 70.6 106.0
52 31.9 27.1 40.7

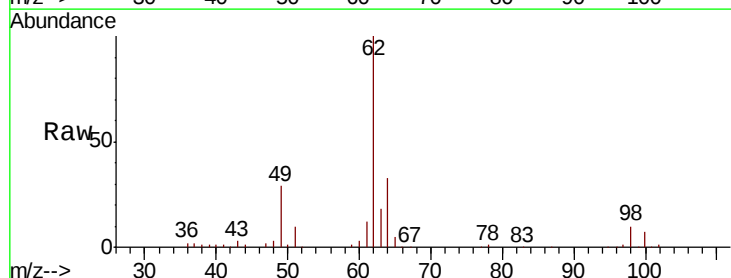


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

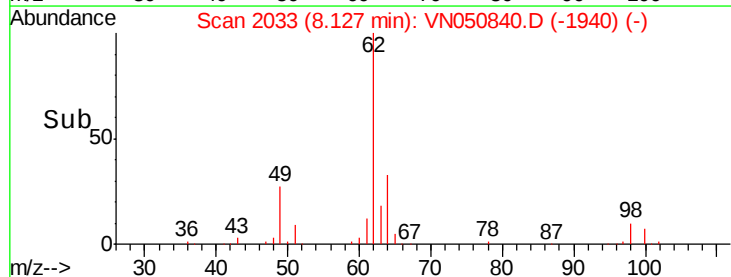
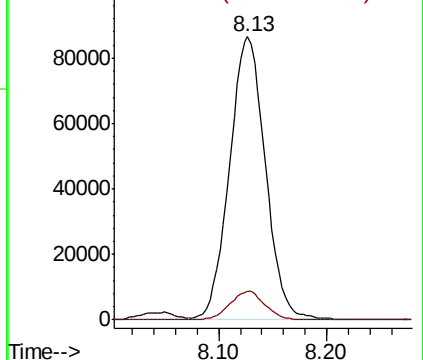


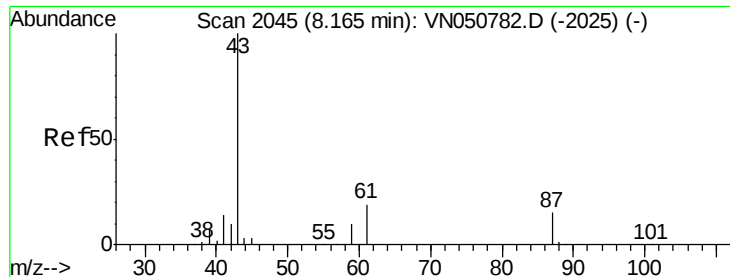
#42
1,2-Dichloroethane
Concen: 20.00 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion: 62 Resp: 198267
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 20.38 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampled :

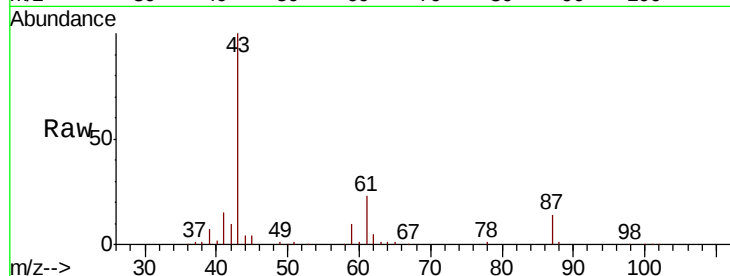
Tot Ion: 43 Resp: 221356

Ion Ratio Lower Upper

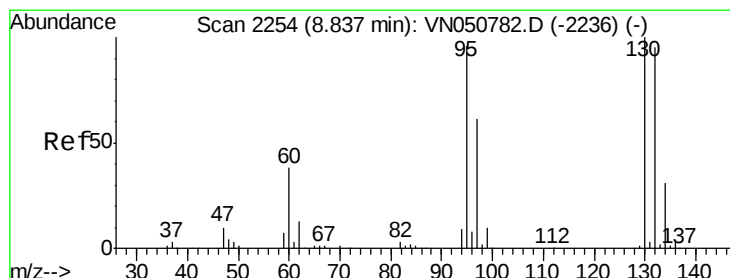
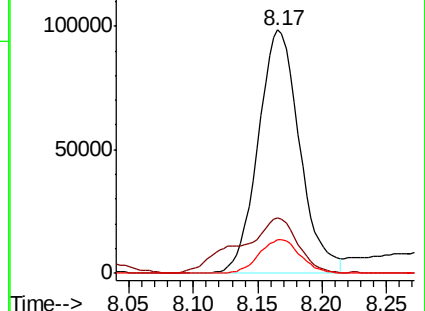
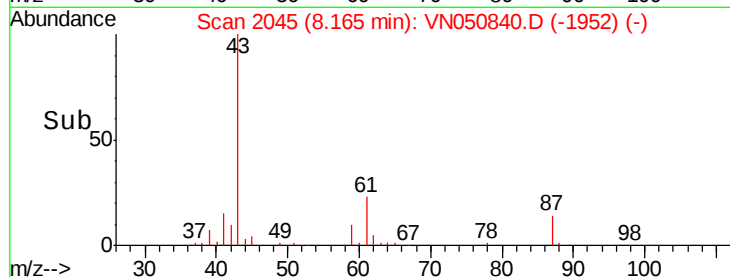
43 100

61 30.9 17.5 26.3#

87 13.7 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN050840.D (-1952) (-)



#44

Trichloroethene

Concen: 20.06 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050840.D

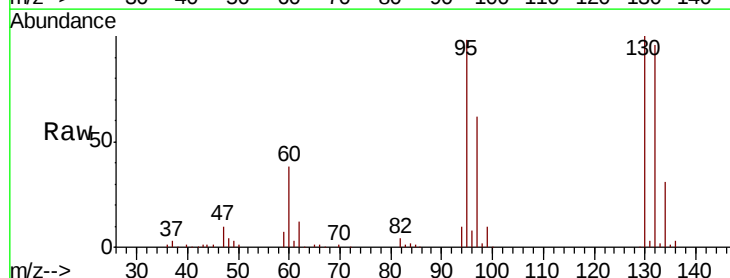
Acq: 23 Aug 2018 9:51

Tgt Ion:130 Resp: 175458

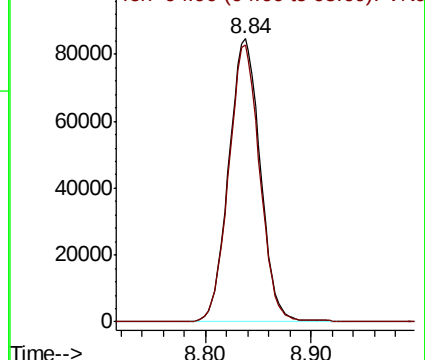
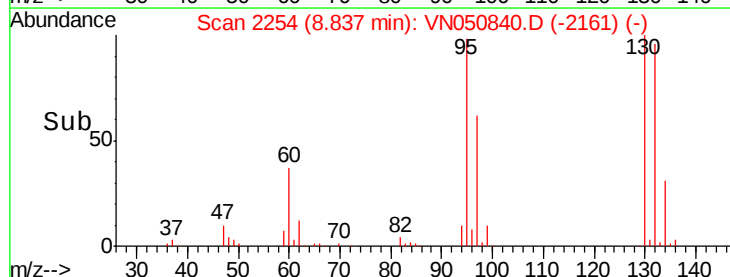
Ion Ratio Lower Upper

130 100

95 98.0 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050840.D (-2161) (-)

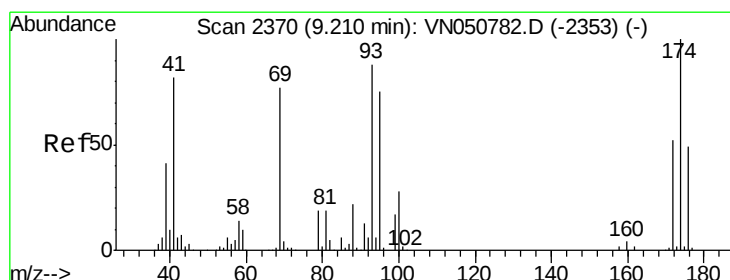
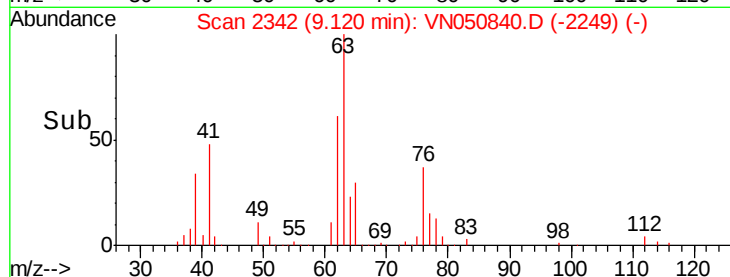
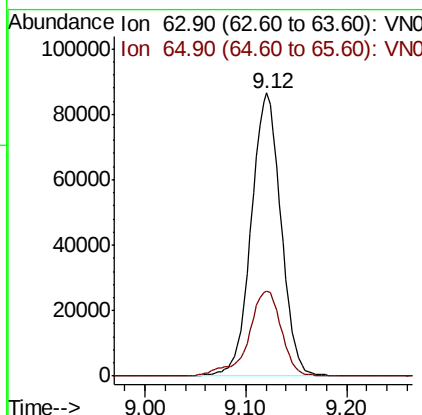
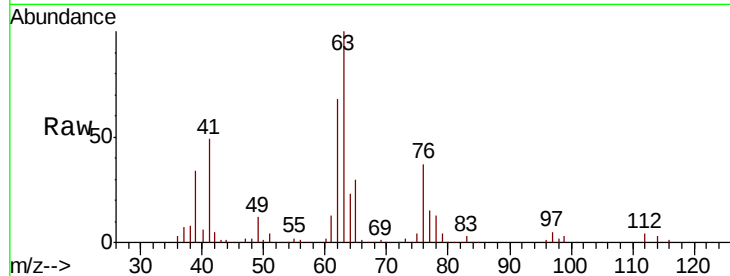




#45
 1,2-Dichloropropane
 Concen: 20.17 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

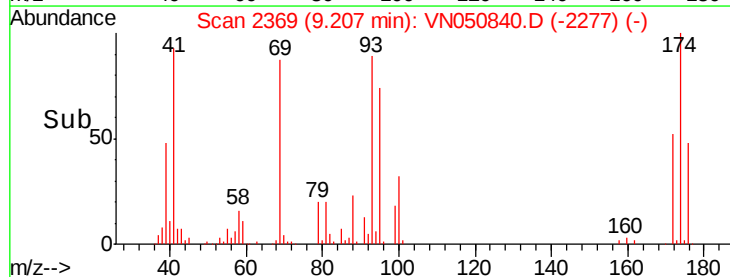
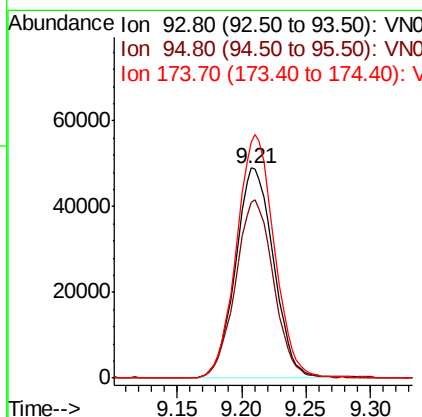
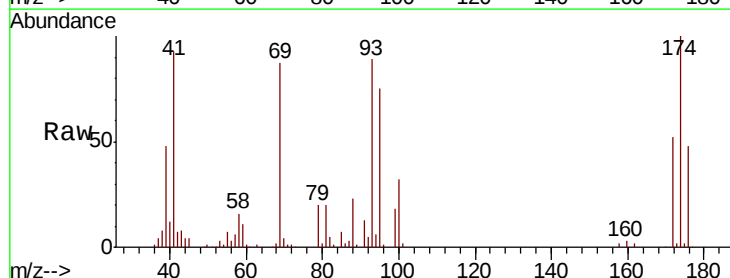
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 175825
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6



#46
 Dibromomethane
 Concen: 19.72 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion: 93 Resp: 101009
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.7 100.1
 174 114.5 89.8 134.6





#47

Bromodichloromethane

Concen: 20.26 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampled :

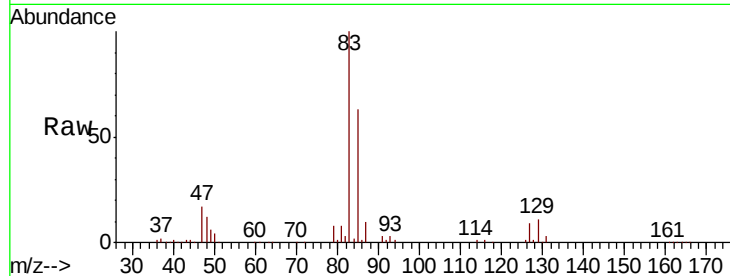
Tot Ion: 83 Resp: 217362

Ion Ratio Lower Upper

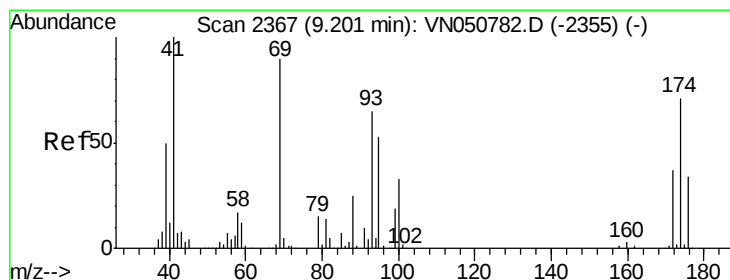
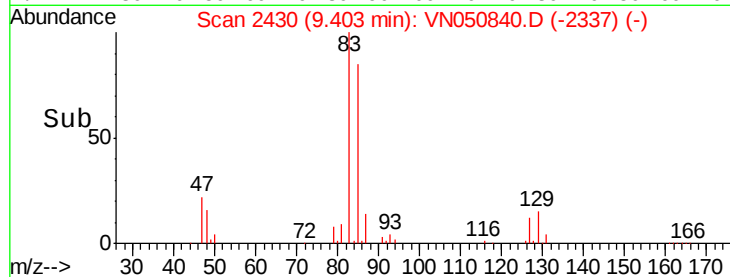
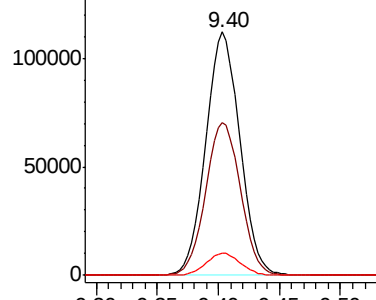
83 100

85 62.9 52.6 78.8

127 9.1 7.2 10.8



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): V



#48

Methyl methacrylate

Concen: 20.12 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

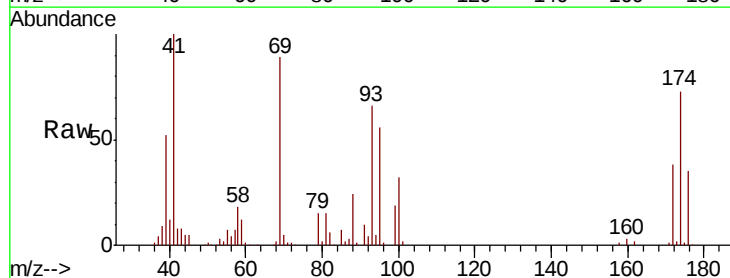
Tgt Ion: 41 Resp: 111385

Ion Ratio Lower Upper

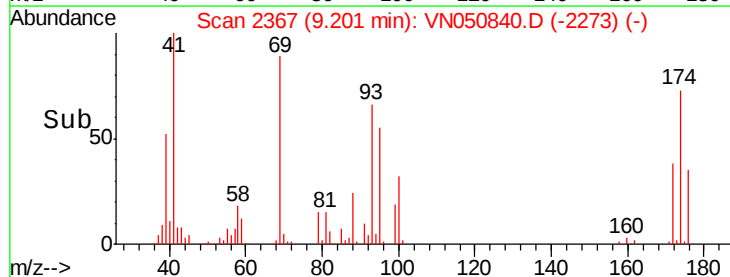
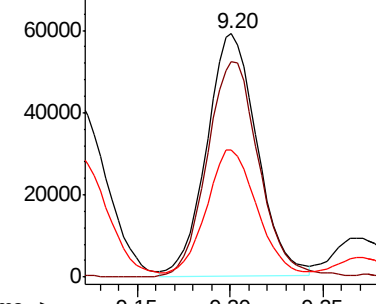
41 100

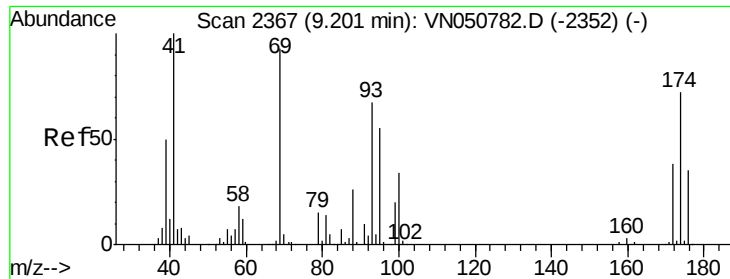
69 91.7 74.7 112.1

39 53.0 42.2 63.2



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

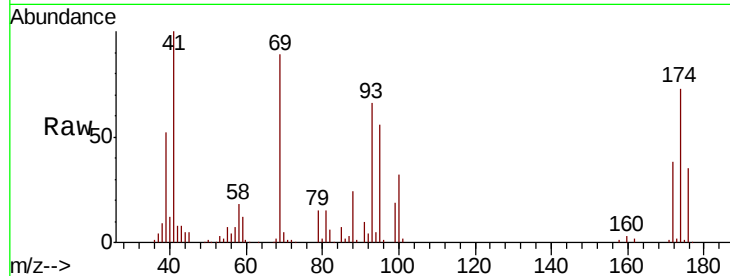




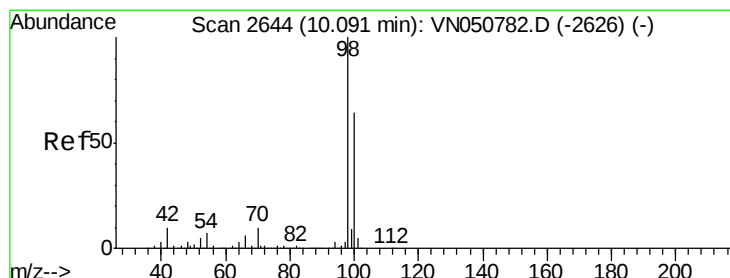
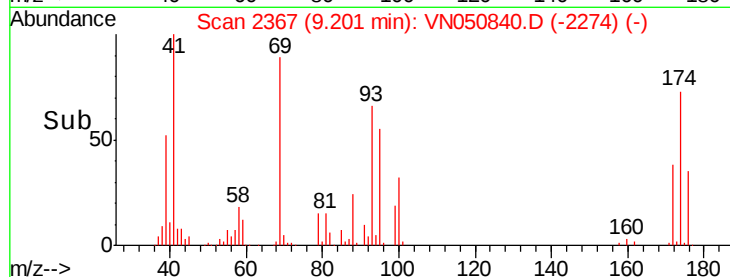
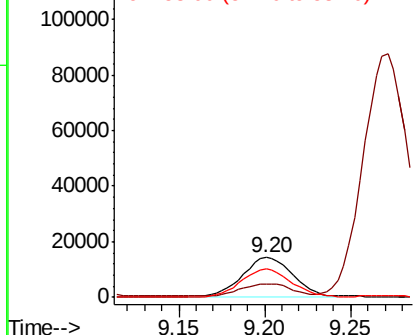
#49
 1,4-Dioxane
 Concen: 391.61 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 29553
 Ion Ratio Lower Upper
 88 100
 43 31.5 25.9 38.9
 58 70.2 55.0 82.4

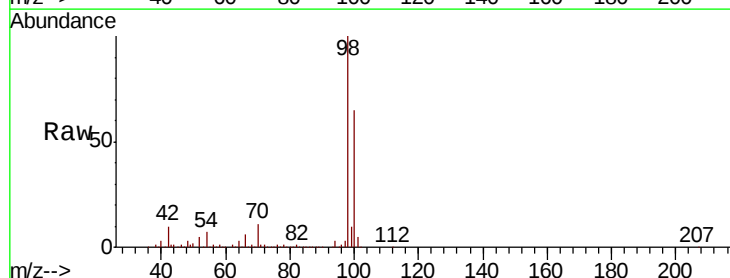


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

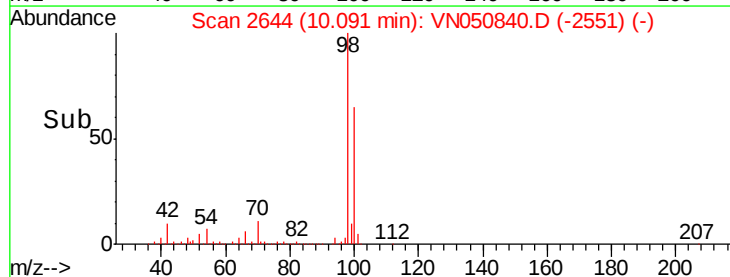
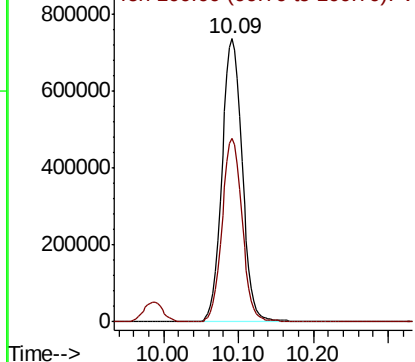


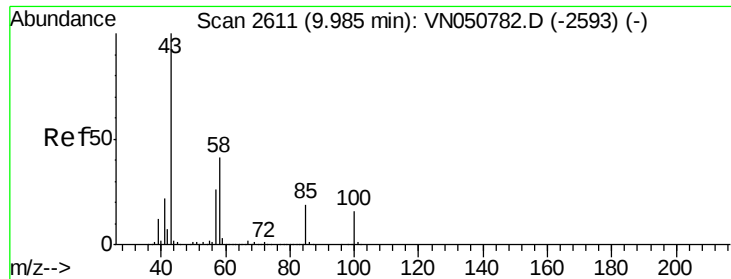
#50
 Toluene-d8
 Concen: 49.67 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion: 98 Resp: 1376803
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.5 77.3



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

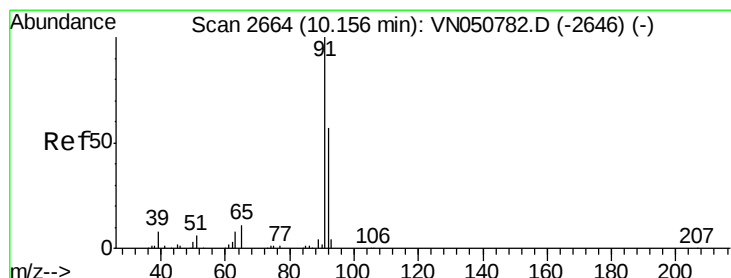
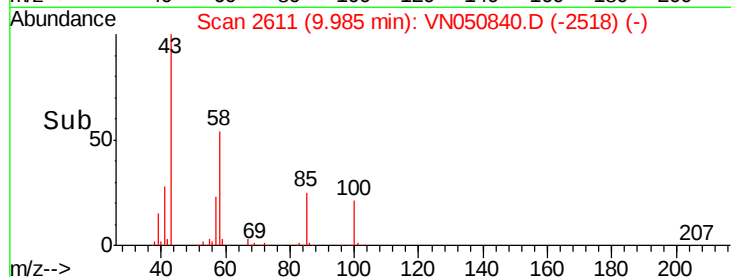
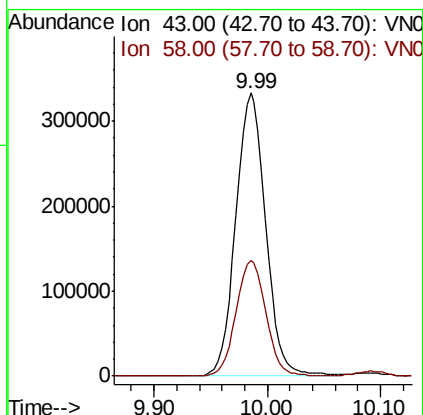
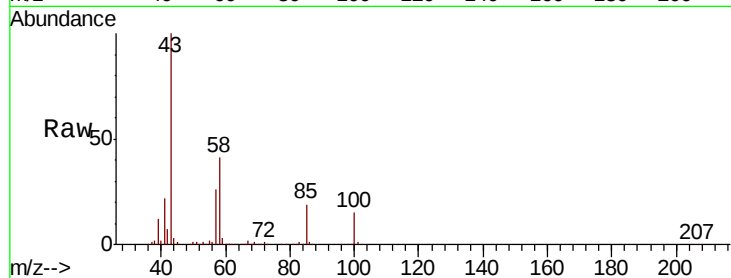




#51
 4-Methyl-2-Pentanone
 Concen: 94.41 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

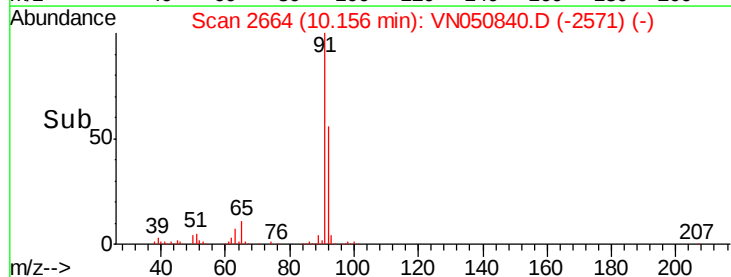
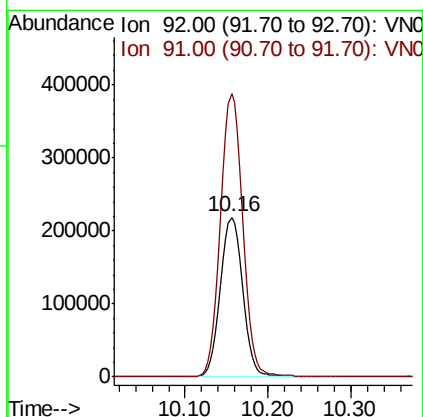
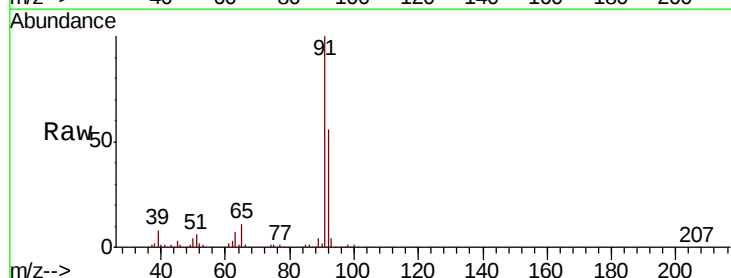
Instrument :
 MSVOA_N
 ClientSampled :

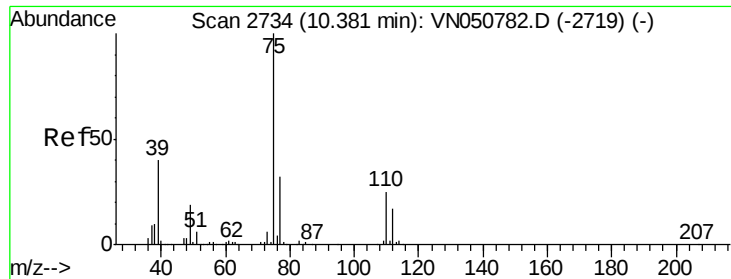
Tot Ion: 43 Resp: 611955
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.4 48.6



#52
 Toluene
 Concen: 20.88 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion: 92 Resp: 410150
 Ion Ratio Lower Upper
 92 100
 91 175.9 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 19.32 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

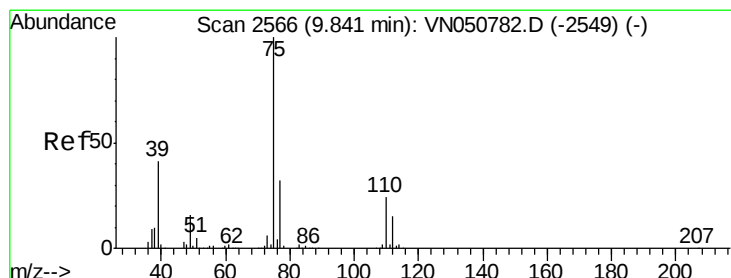
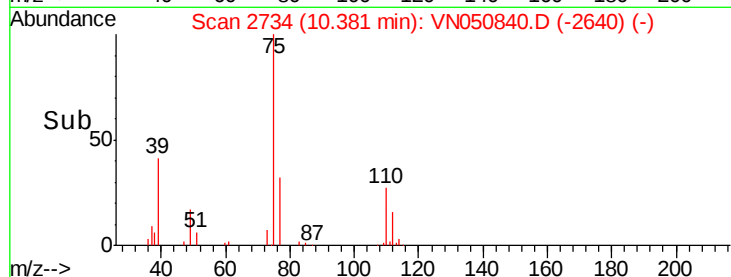
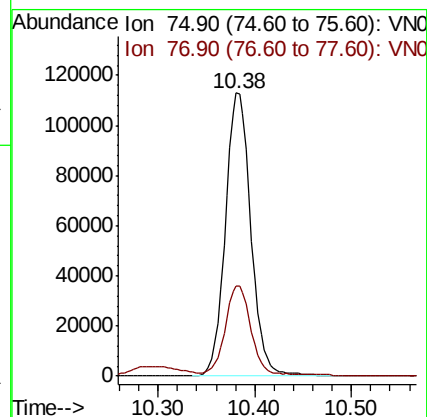
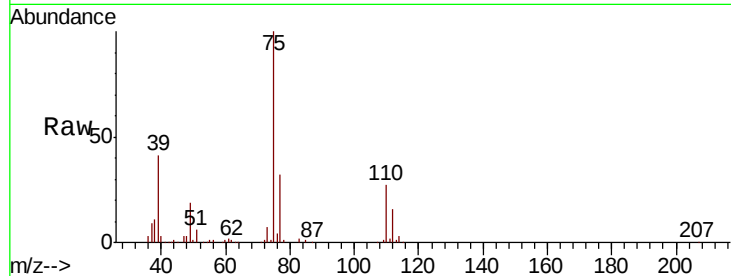
ClientSampleId :

Tot Ion: 75 Resp: 206323

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 20.24 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

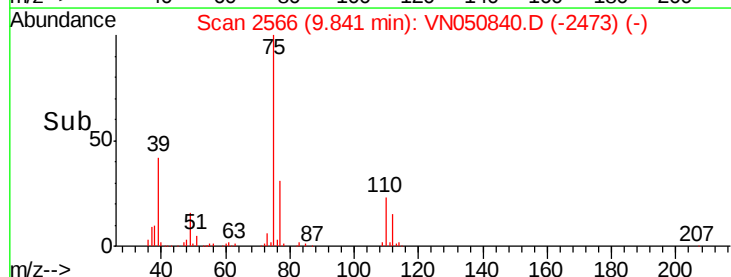
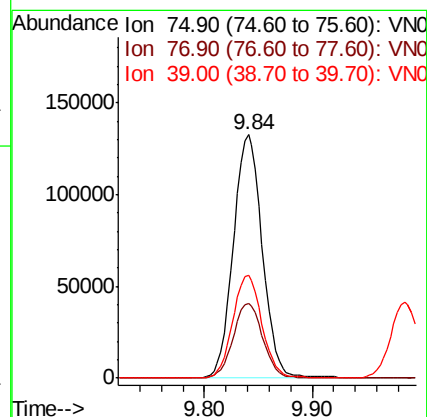
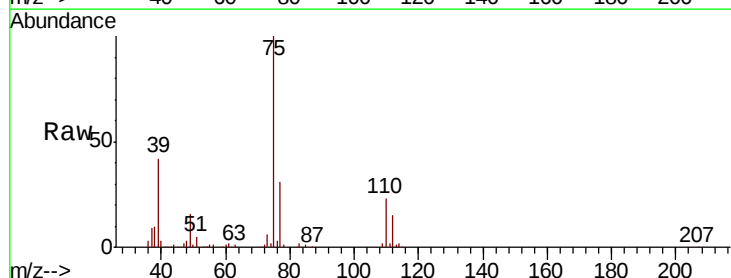
Tgt Ion: 75 Resp: 247508

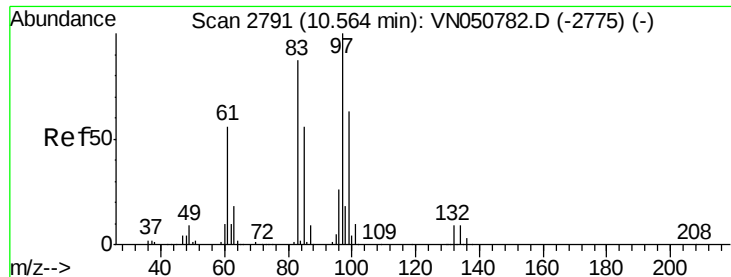
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.2

39 42.4 33.0 49.4

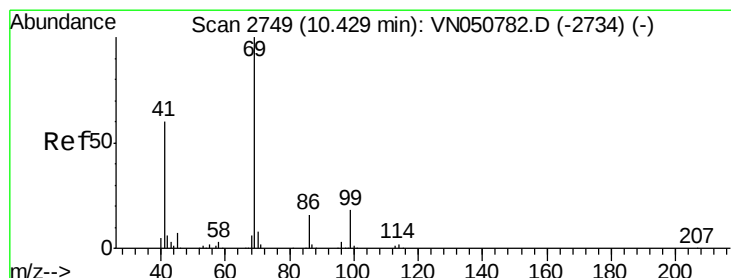
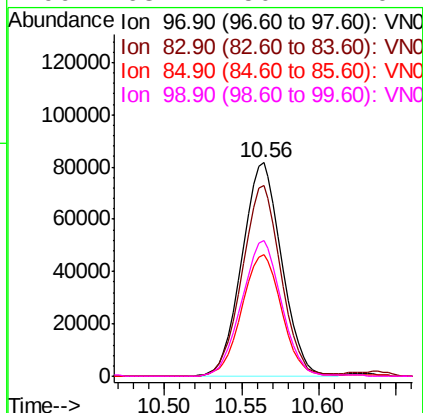
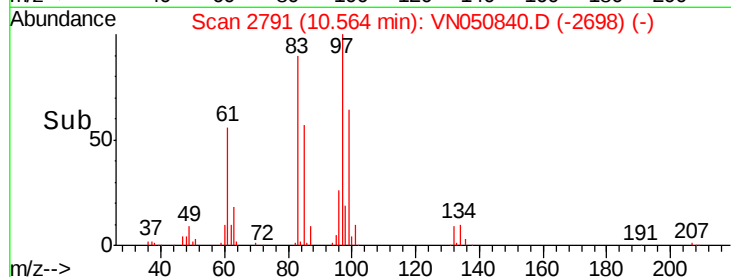
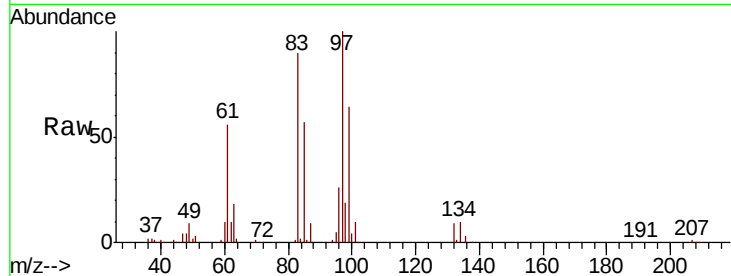




#55
 1,1,2-Trichloroethane
 Concen: 20.10 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

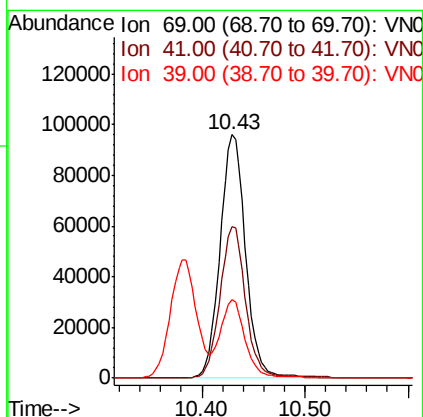
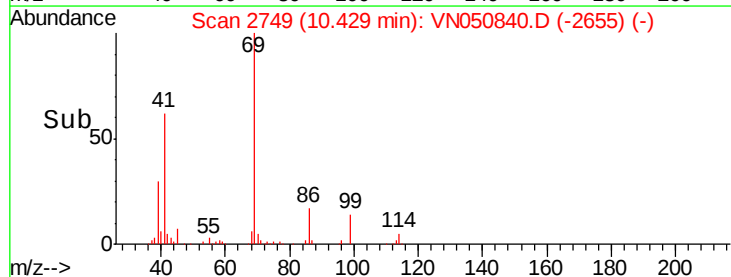
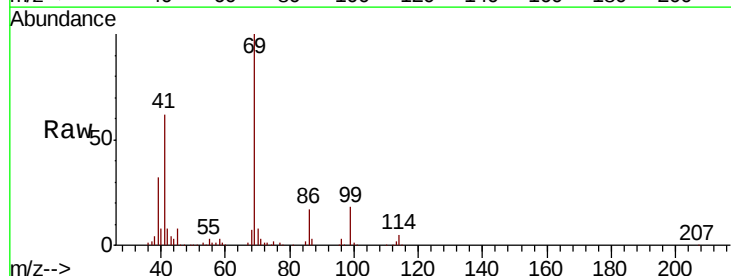
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	97	Resp	146560
Ion Ratio	Lower	Upper	
97	100		
83	89.5	69.7	104.5
85	56.8	44.5	66.7
99	63.7	50.7	76.1



#56
 Ethyl methacrylate
 Concen: 18.95 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion	69	Resp	165218
Ion Ratio	Lower	Upper	
69	100		
41	61.1	48.3	72.5
39	30.9	24.0	36.0





#57

1,3-Dichloropropane

Concen: 20.27 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

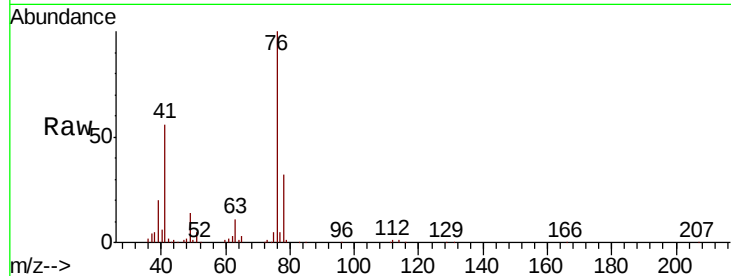
ClientSampled :

Tot Ion: 76 Resp: 243965

Ion Ratio Lower Upper

76 100

78 32.4 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN050840.D (-2743) (-)

Ion 77.90 (77.60 to 78.60): VN050840.D (-2743) (-)

10.71

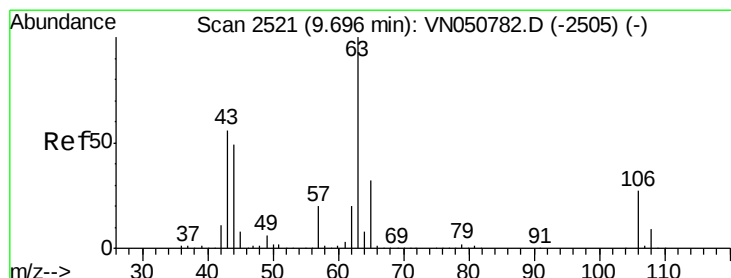
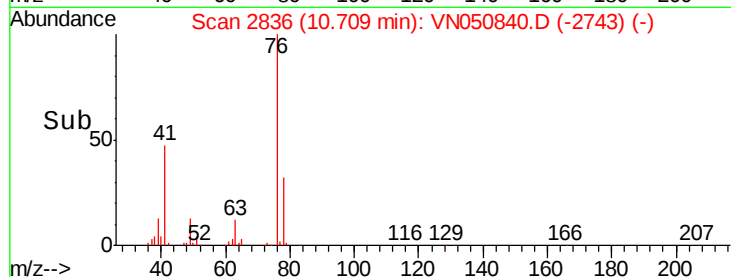
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 92.85 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050840.D

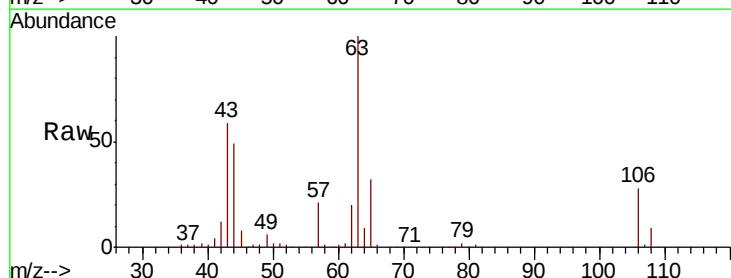
Acq: 23 Aug 2018 9:51

Tgt Ion: 63 Resp: 350900

Ion Ratio Lower Upper

63 100

106 27.2 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN050840.D (-2427) (-)

Ion 105.90 (105.60 to 106.60): VN050840.D (-2427) (-)

9.70

200000

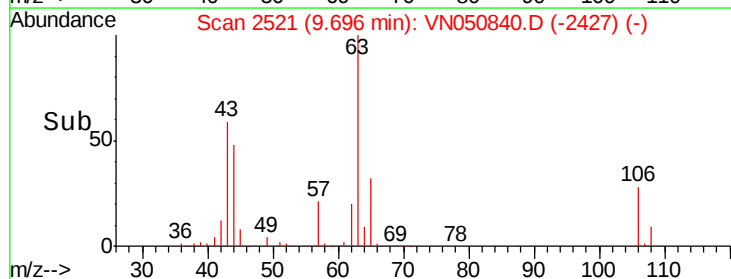
150000

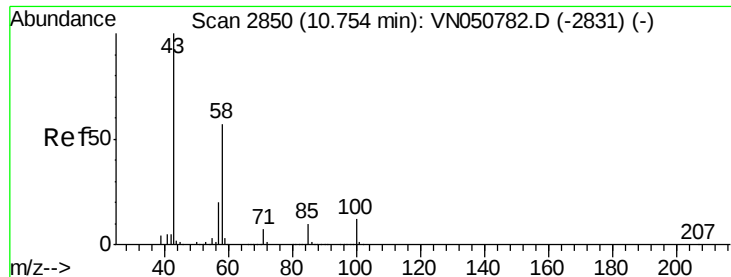
100000

50000

0

Time--> 9.60 9.70 9.80

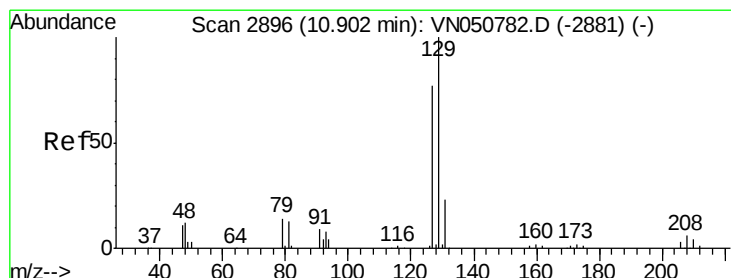
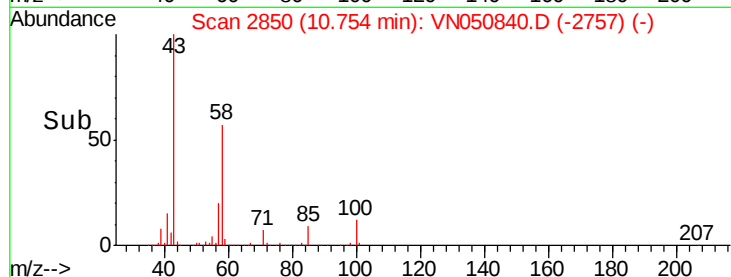
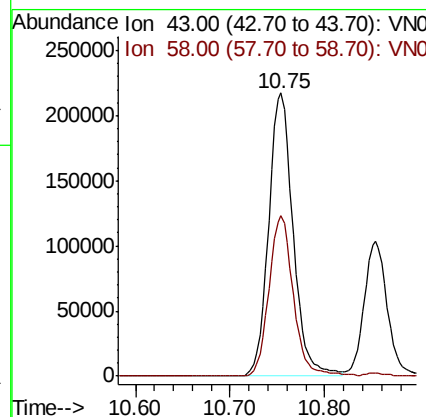
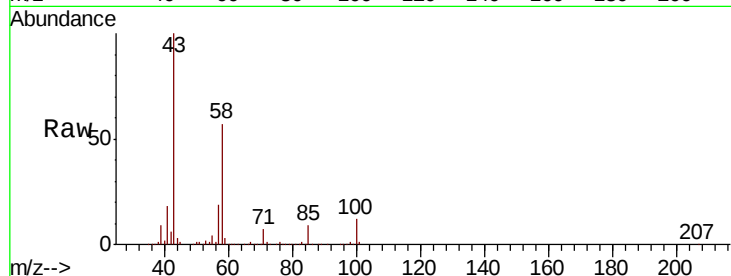




#59
2-Hexanone
Concen: 89.78 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

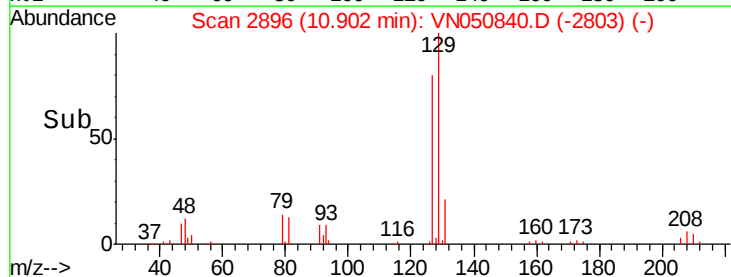
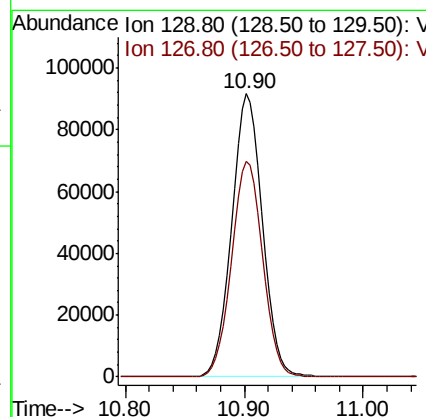
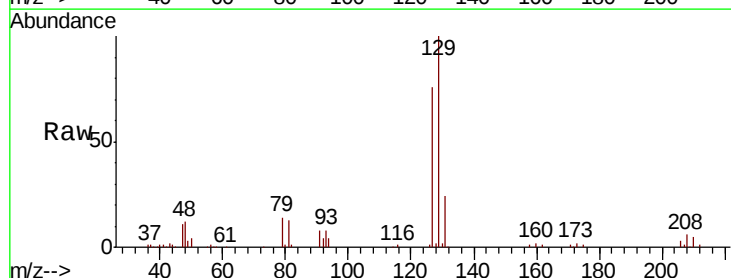
Instrument :
MSVOA_N
ClientSampled :

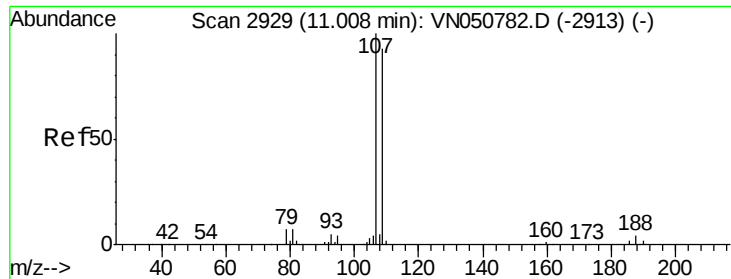
Tot Ion: 43 Resp: 387413
Ion Ratio Lower Upper
43 100
58 56.6 28.3 85.0



#60
Dibromochloromethane
Concen: 20.04 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion: 129 Resp: 163595
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.9

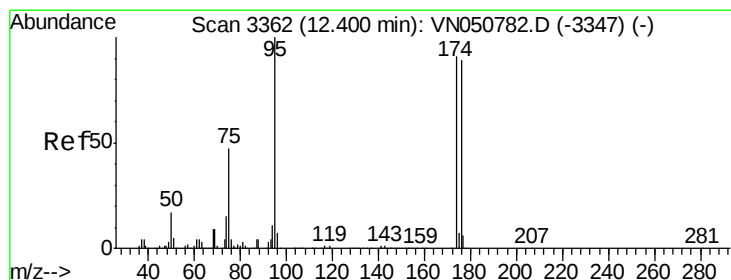
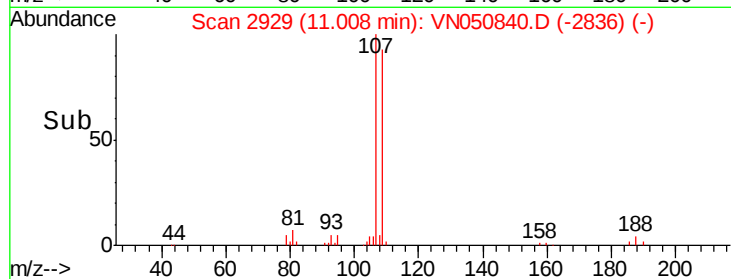
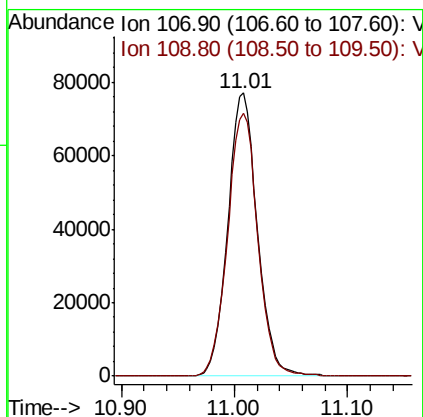
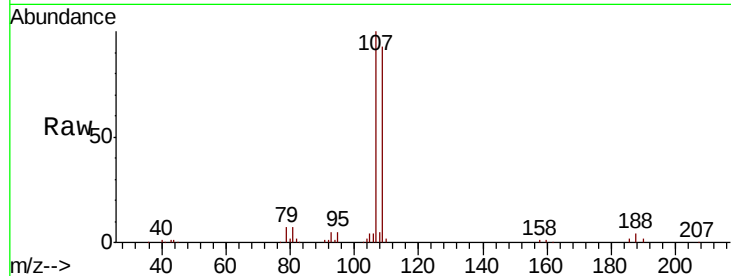




#61
 1,2-Dibromoethane
 Concen: 19.81 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

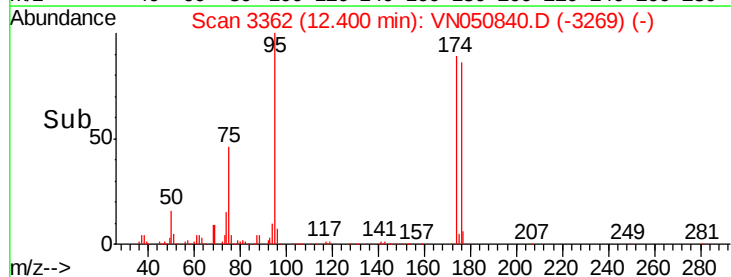
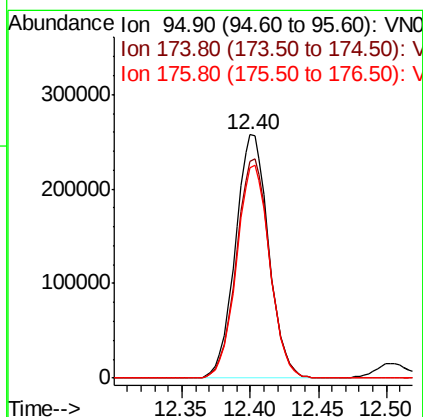
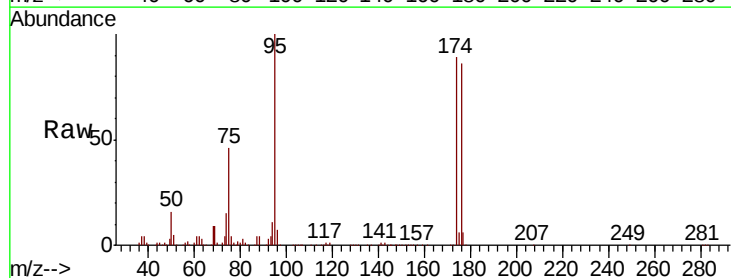
Instrument :
 MSVOA_N
 ClientSampleId :

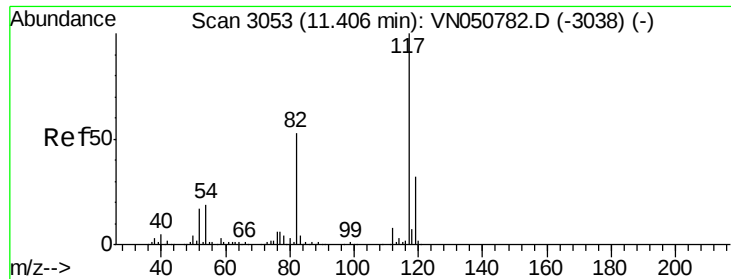
Tot Ion: 107 Resp: 139701
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 47.16 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion: 95 Resp: 434433
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 183.0
 176 87.4 0.0 178.8

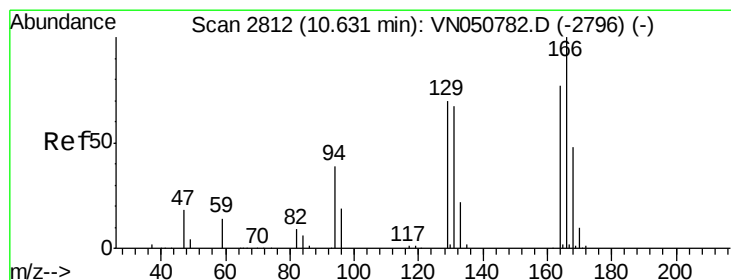
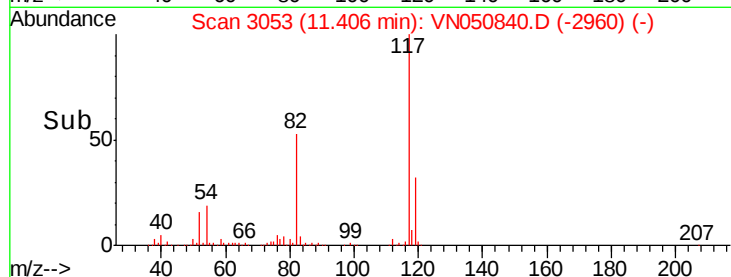
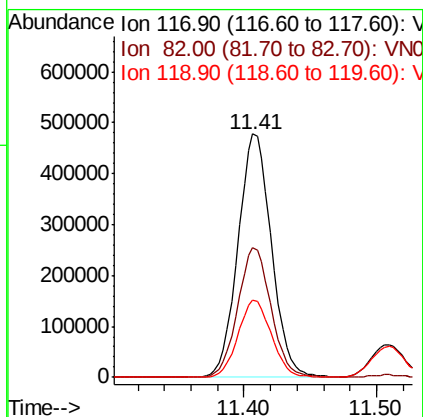
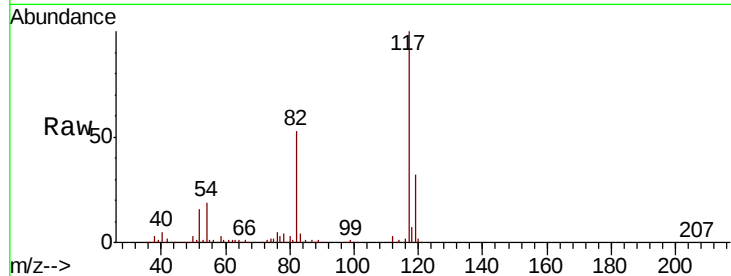




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

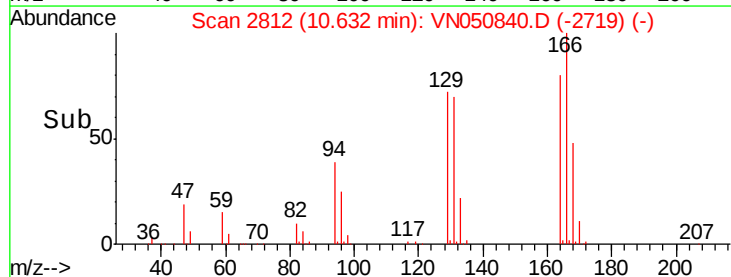
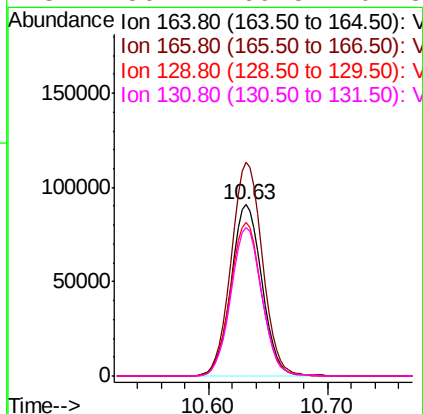
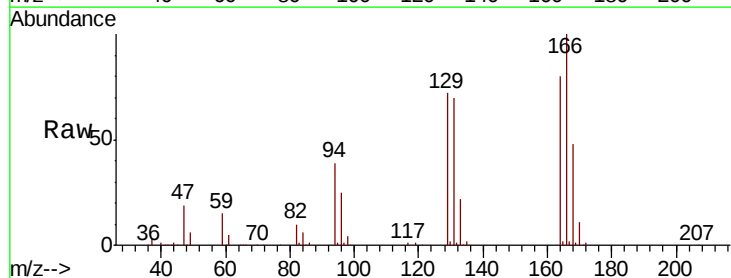
Instrument :
MSVOA_N
ClientSampleId :

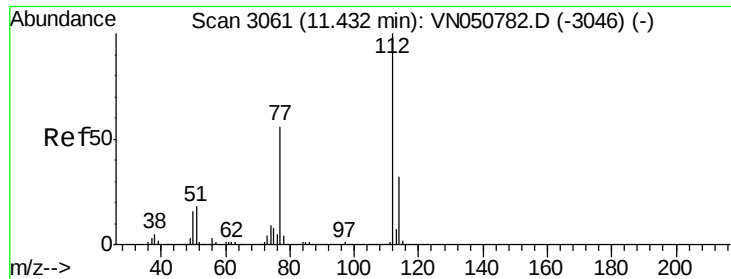
Tot Ion:117 Resp: 837911
Ion Ratio Lower Upper
117 100
82 53.2 42.6 64.0
119 31.8 25.8 38.6



#64
Tetrachloroethene
Concen: 20.55 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion:164 Resp: 163546
Ion Ratio Lower Upper
164 100
166 124.5 103.5 155.3
129 89.5 72.7 109.1
131 86.7 69.5 104.3

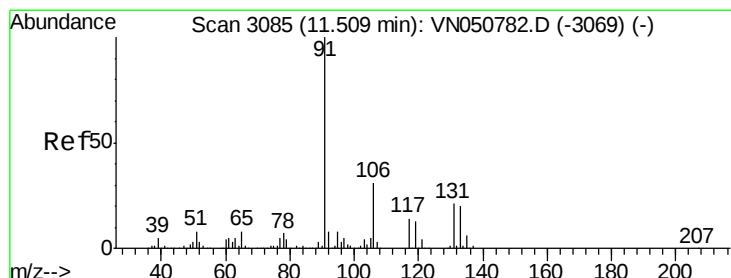
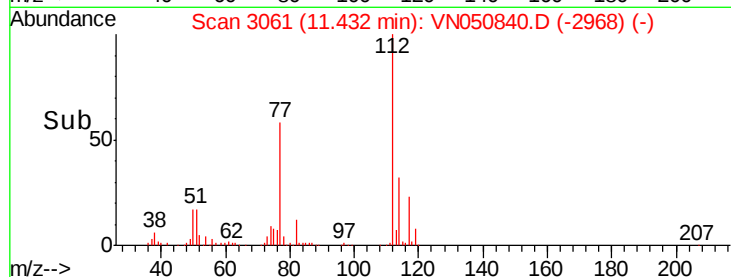
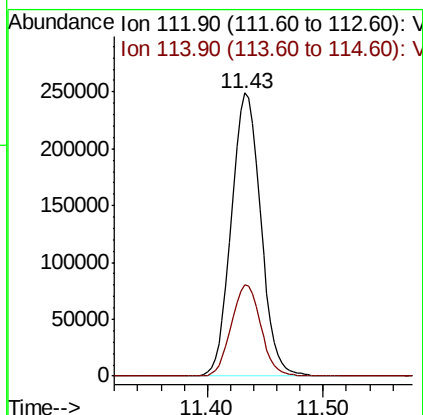
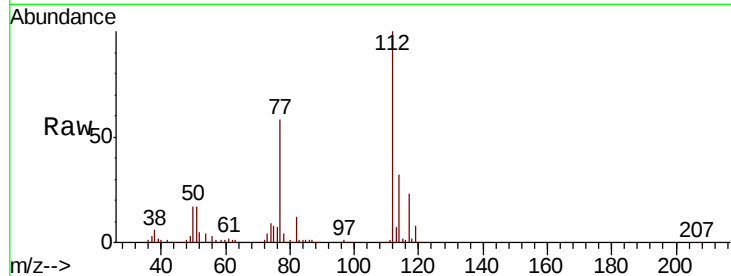




#65
Chlorobenzene
Concen: 19.94 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

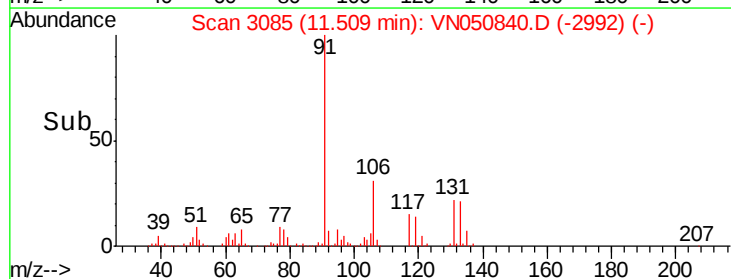
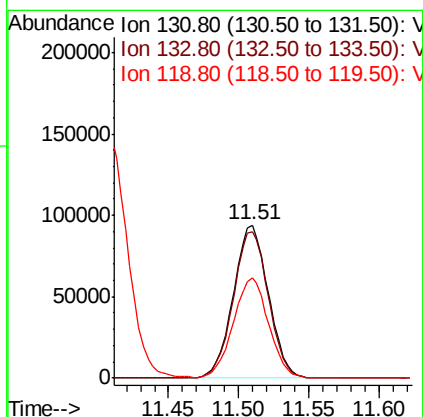
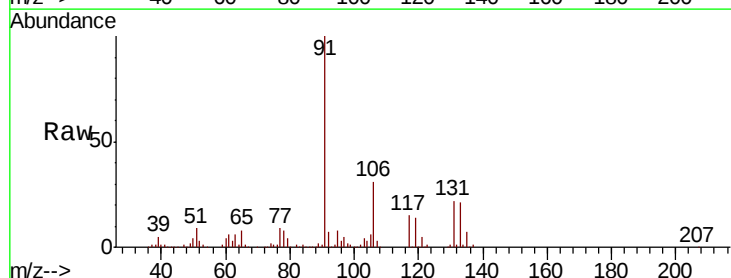
Instrument :
MSVOA_N
ClientSampled :

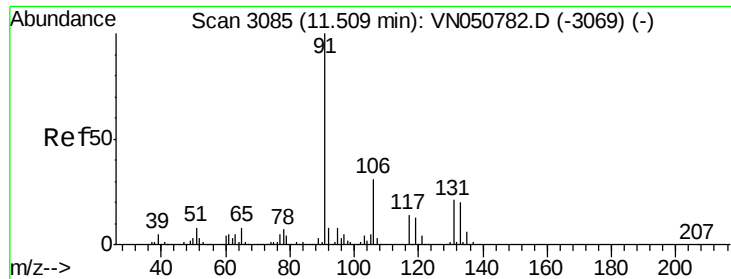
Tot Ion:112 Resp: 436770
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.40 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion:131 Resp: 163488
Ion Ratio Lower Upper
131 100
133 96.0 47.4 142.3
119 66.2 32.8 98.4

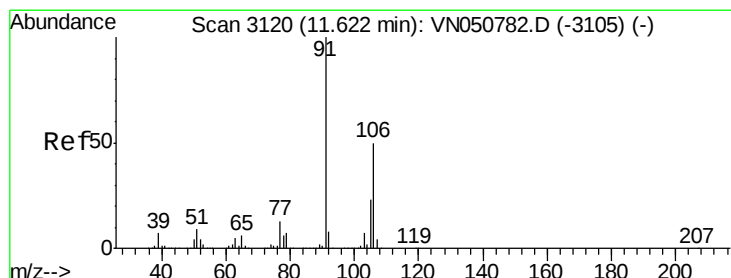
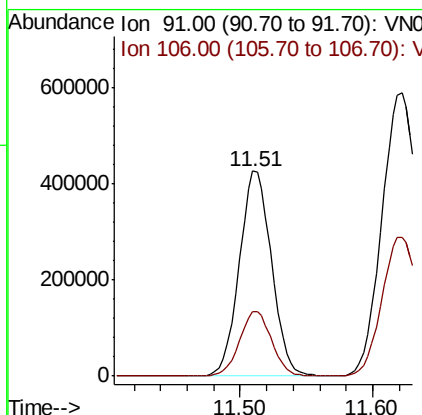
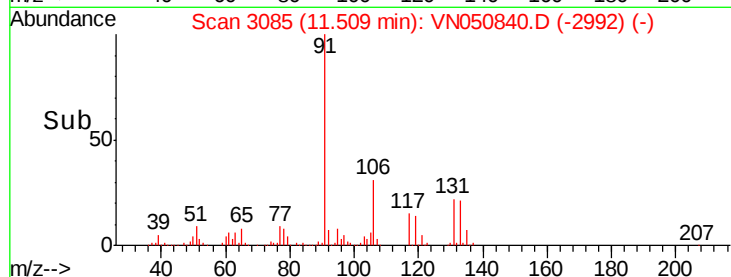
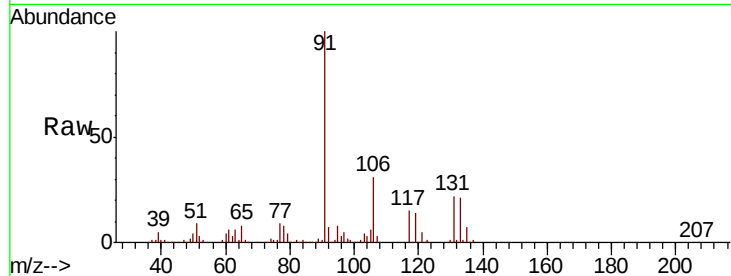




#67
Ethyl Benzene
Concen: 20.26 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

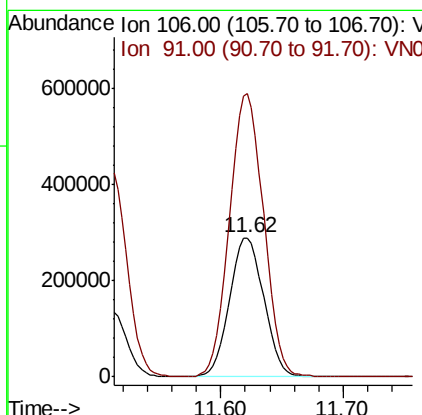
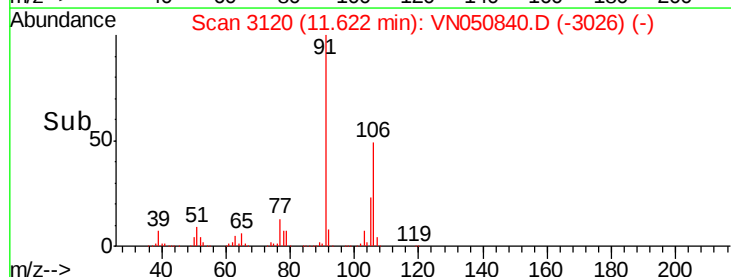
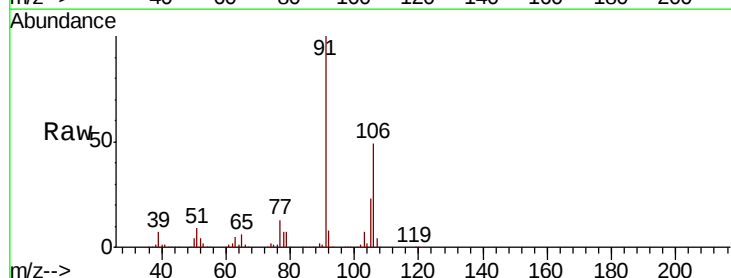
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 721270
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4



#68
m/p-Xylenes
Concen: 41.90 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion: 106 Resp: 566208
Ion Ratio Lower Upper
106 100
91 202.4 161.0 241.6

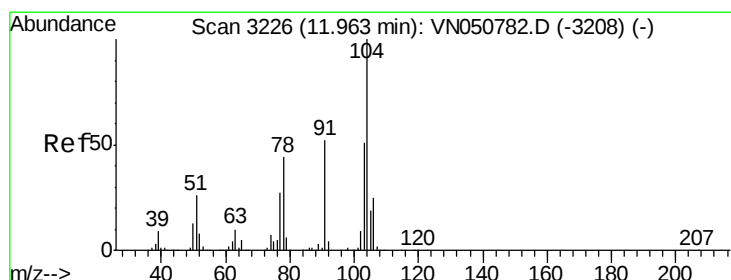
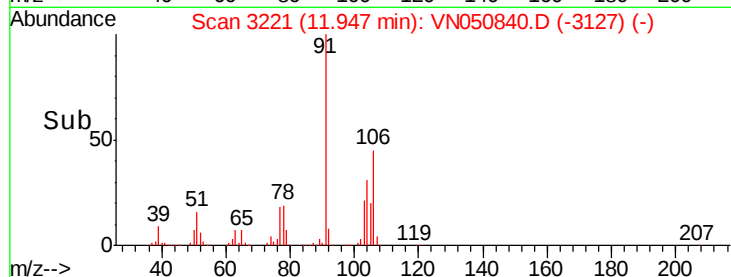
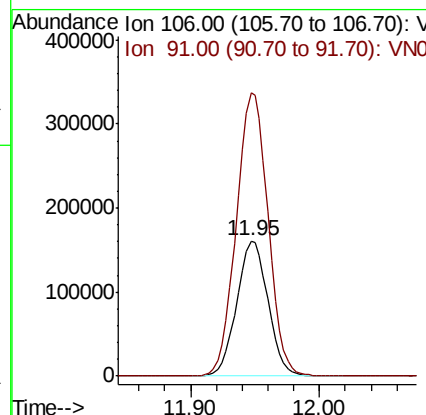
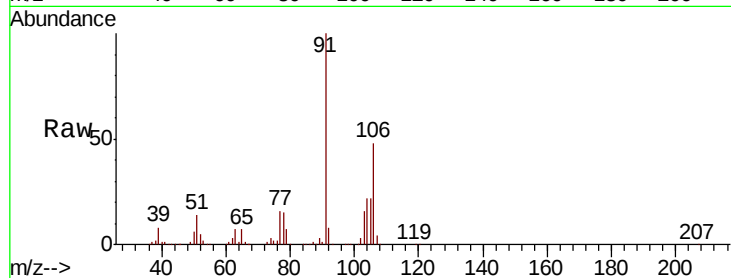




#69
o-Xylene
Concen: 20.81 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

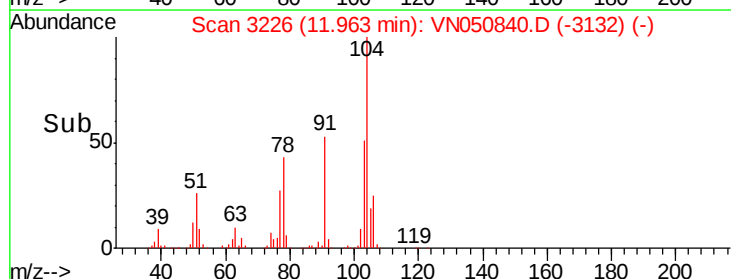
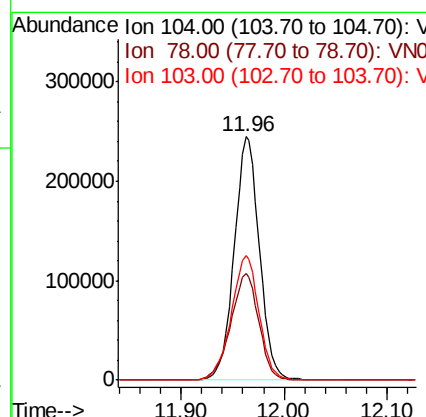
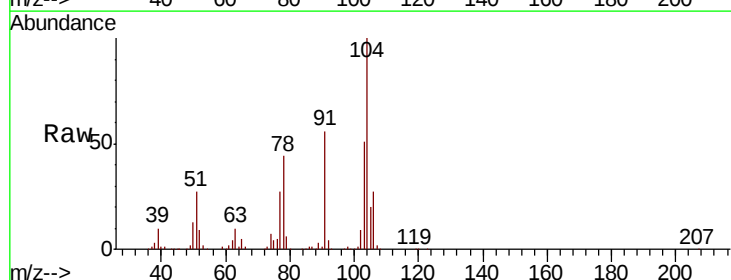
Instrument :
MSVOA_N
ClientSampled :

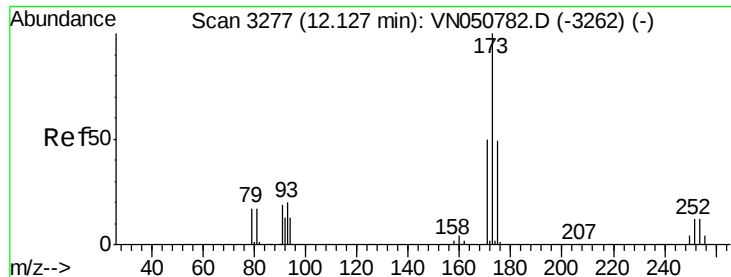
Tot Ion:106 Resp: 270419
Ion Ratio Lower Upper
106 100
91 212.6 106.5 319.5



#70
Styrene
Concen: 19.03 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion:104 Resp: 417298
Ion Ratio Lower Upper
104 100
78 48.4 38.2 57.4
103 56.3 44.4 66.6

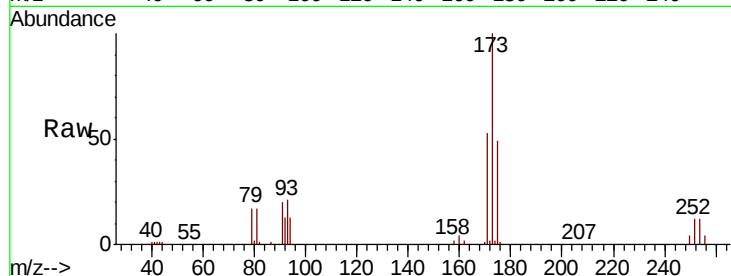




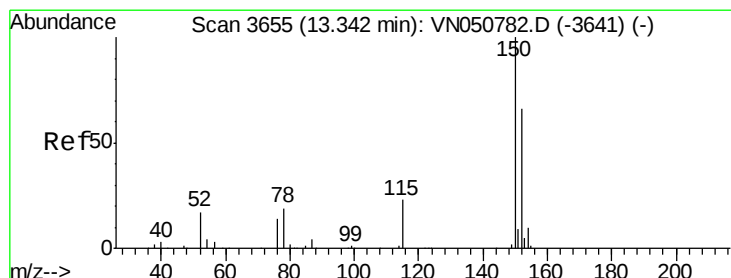
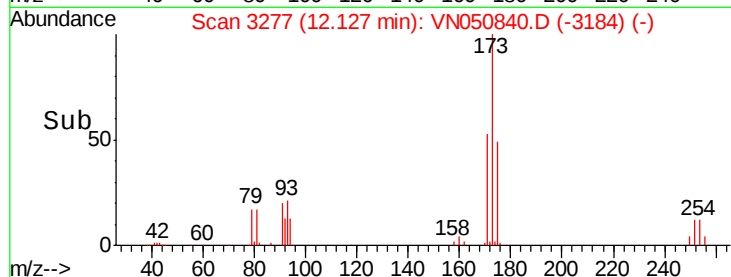
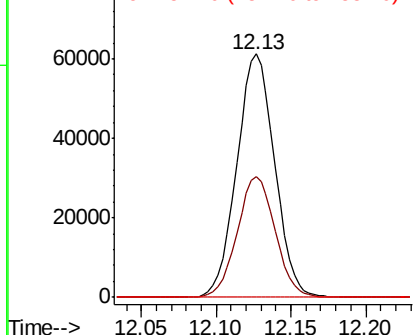
#71
Bromoform
Concen: 19.56 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 107815
Ion Ratio Lower Upper
173 100
175 49.5 24.4 73.4
254 0.0 0.1 0.1#

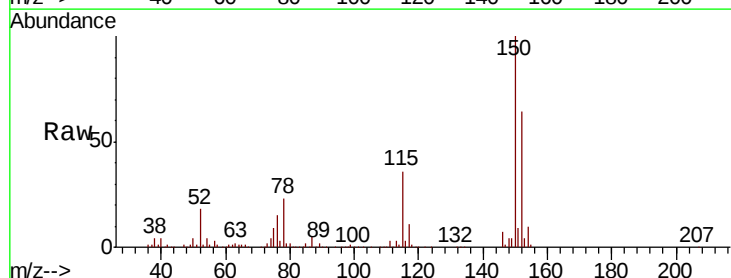


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

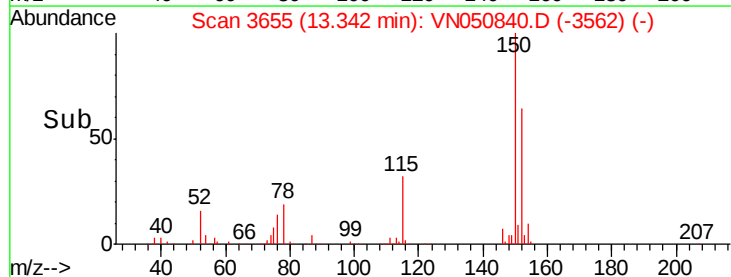
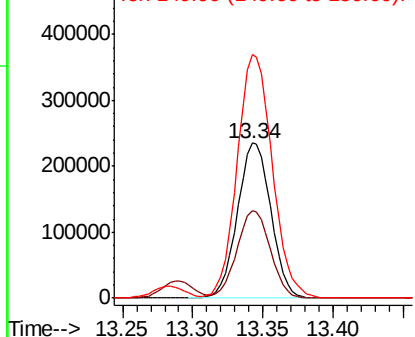


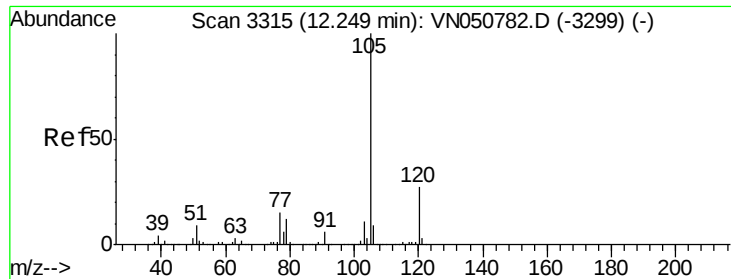
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion:152 Resp: 391247
Ion Ratio Lower Upper
152 100
115 56.1 27.8 83.4
150 165.0 0.0 351.4



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: 21.95 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

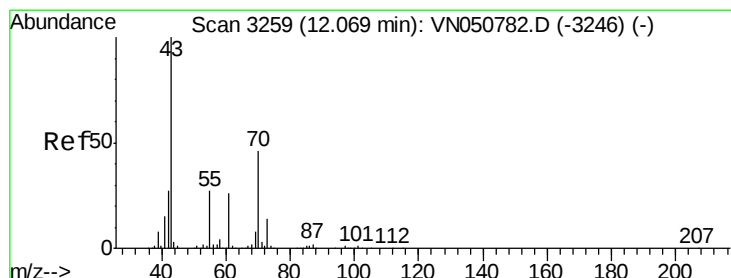
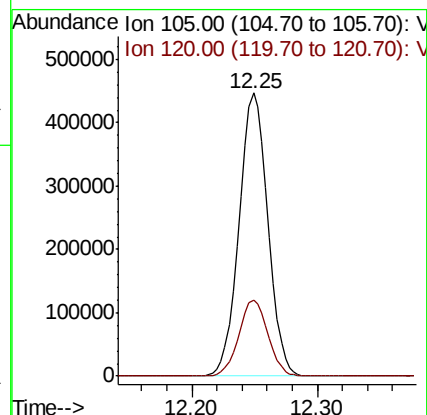
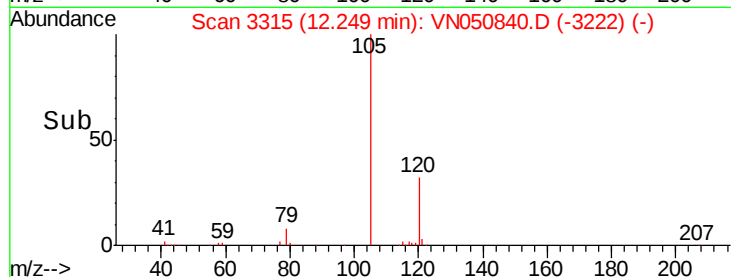
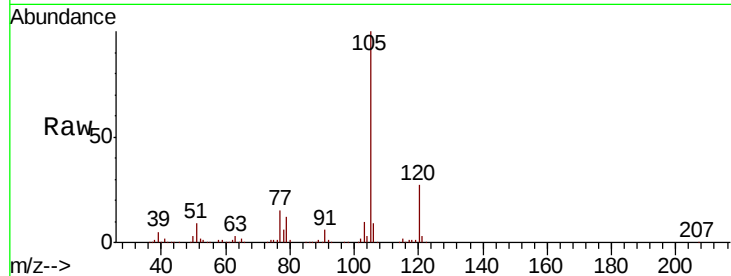
ClientSampled :

Tot Ion:105 Resp: 711193

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



#74

N-ethyl acetate

Concen: 19.80 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Tgt Ion: 43 Resp: 161206

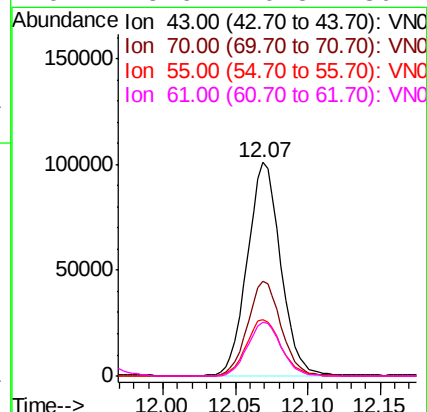
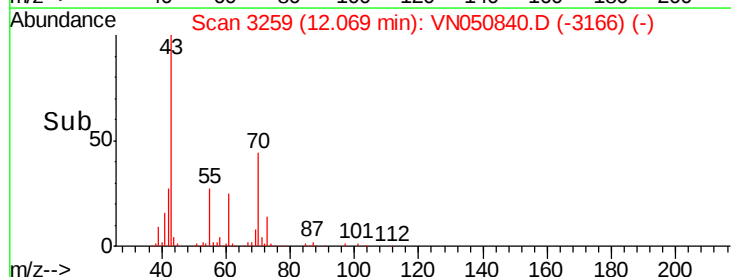
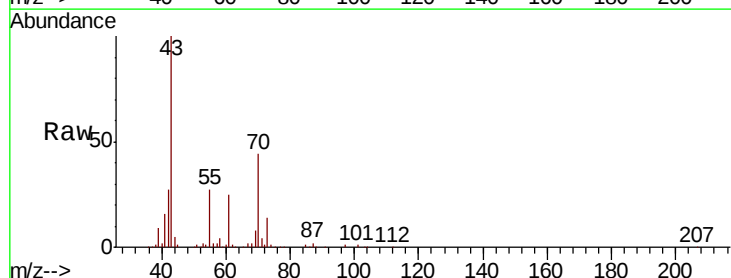
Ion Ratio Lower Upper

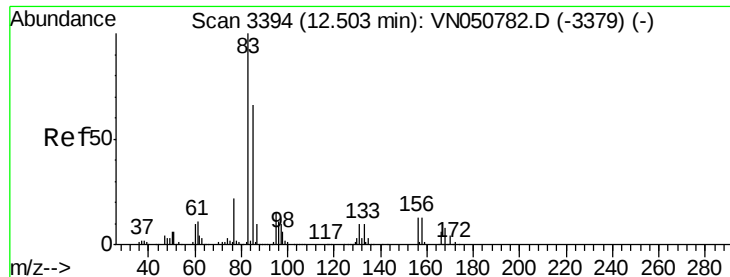
43 100

70 44.7 36.2 54.2

55 27.6 21.8 32.8

61 25.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.11 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampled :

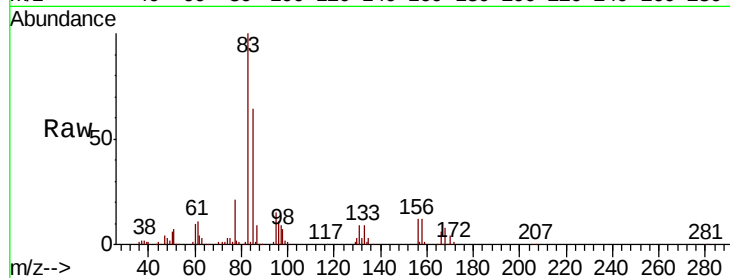
Tot Ion: 83 Resp: 177792

Ion Ratio Lower Upper

83 100

131 10.2 5.3 15.9

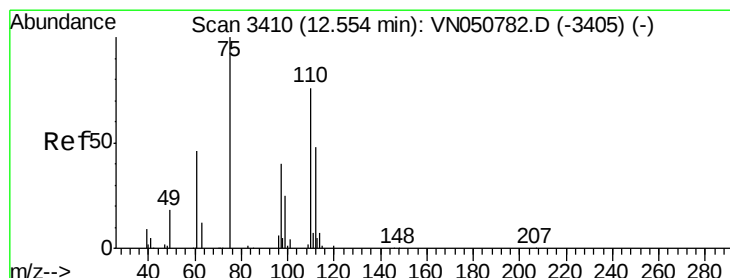
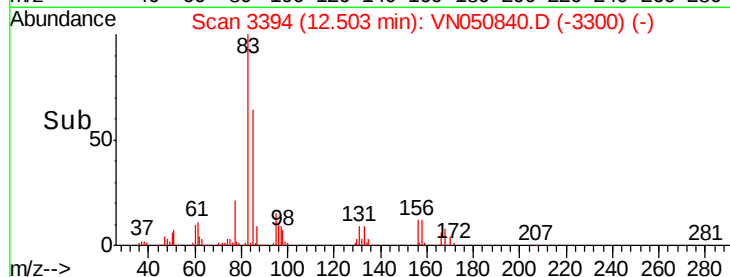
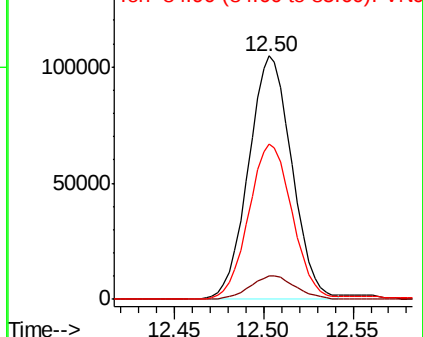
85 64.1 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.34 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050840.D

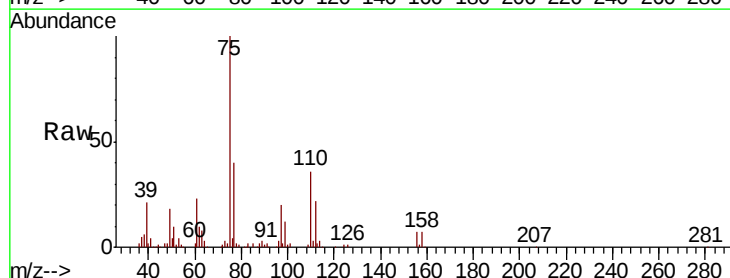
Acq: 23 Aug 2018 9:51

Tgt Ion: 75 Resp: 201050

Ion Ratio Lower Upper

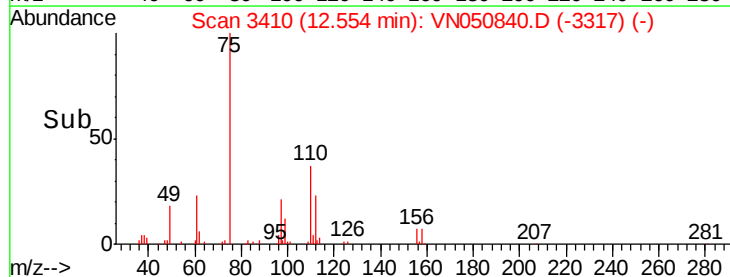
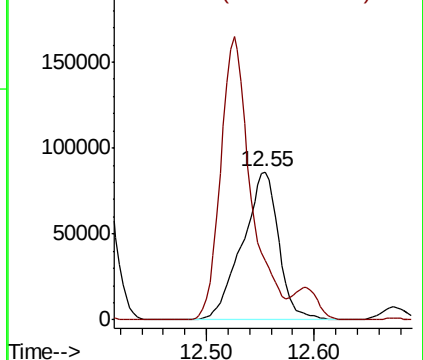
75 100

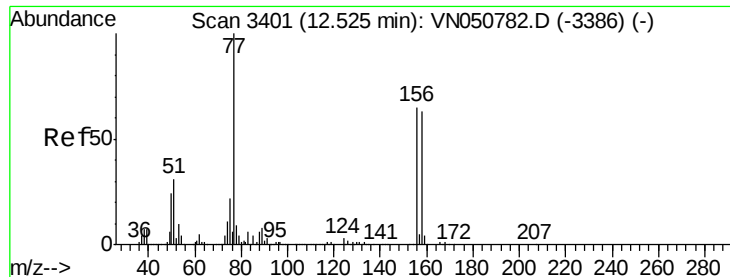
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.27 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampleId :

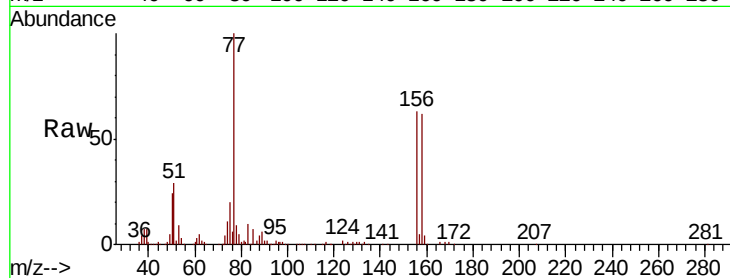
Tot Ion:156 Resp: 178492

Ion Ratio Lower Upper

156 100

77 180.1 89.9 269.7

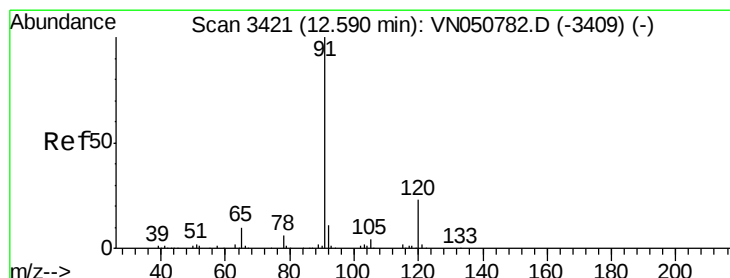
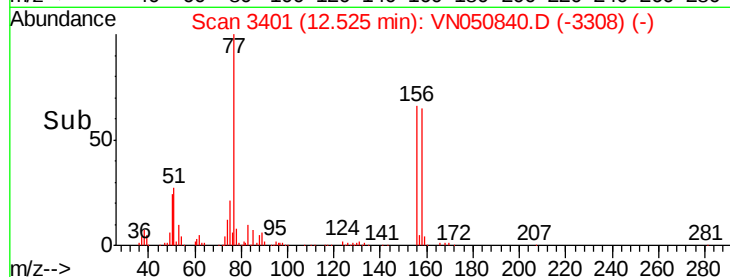
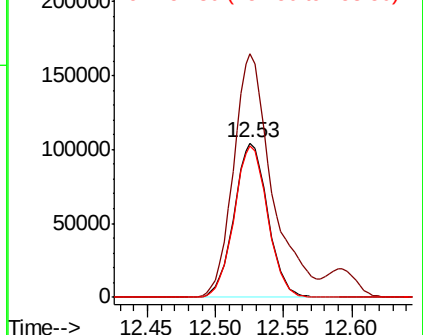
158 97.7 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.66 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050840.D

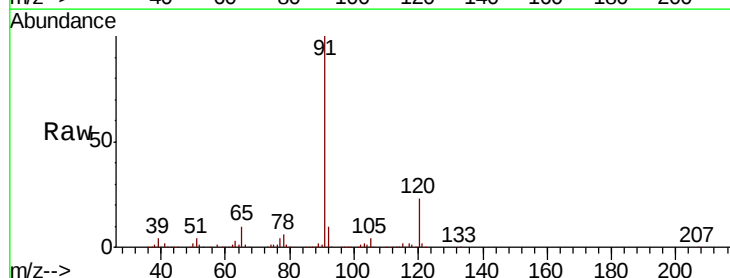
Acq: 23 Aug 2018 9:51

Tgt Ion: 91 Resp: 784029

Ion Ratio Lower Upper

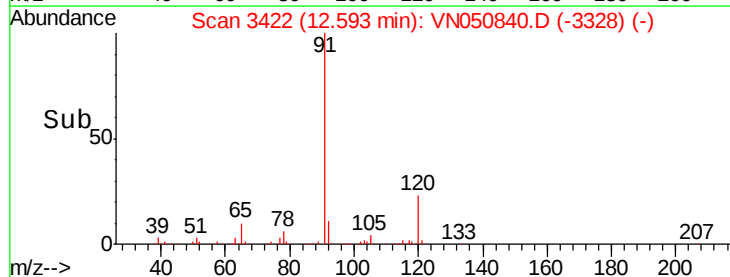
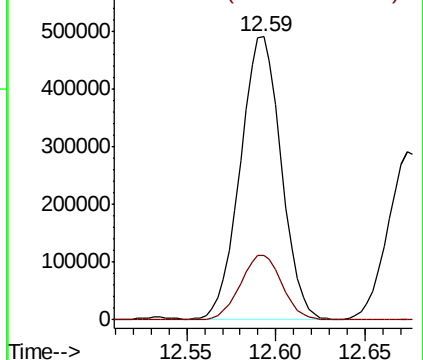
91 100

120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.32 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

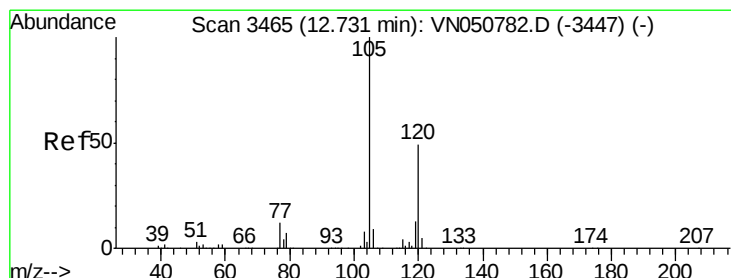
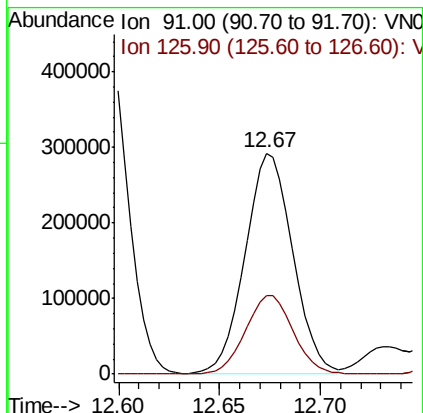
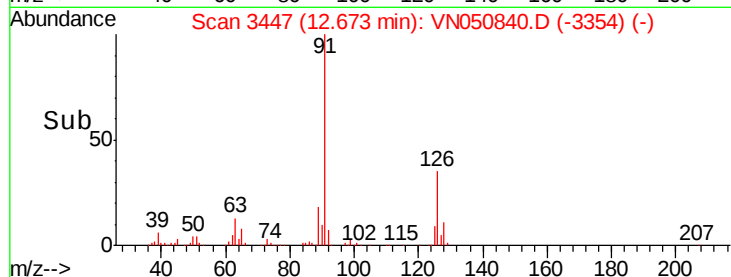
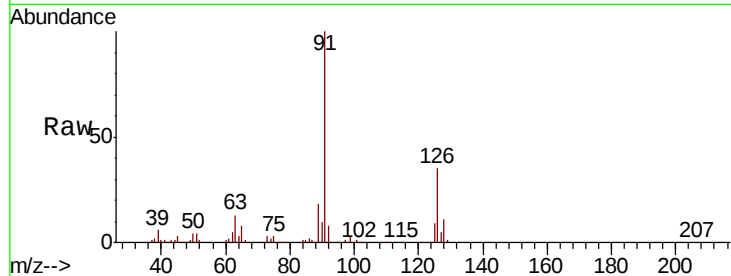
ClientSampleId :

Tot Ion: 91 Resp: 480498

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 22.34 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. 0.00 min

Lab File: VN050840.D

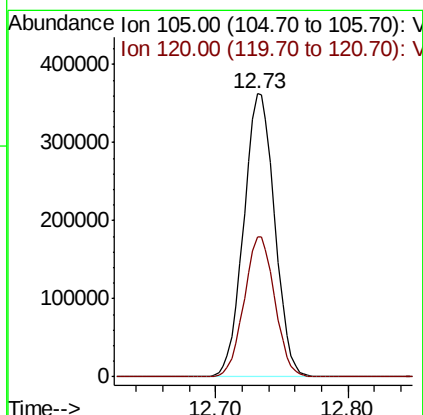
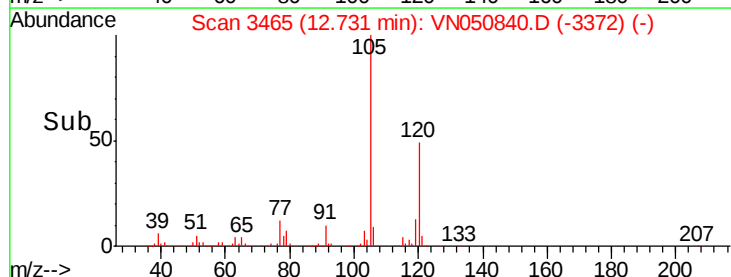
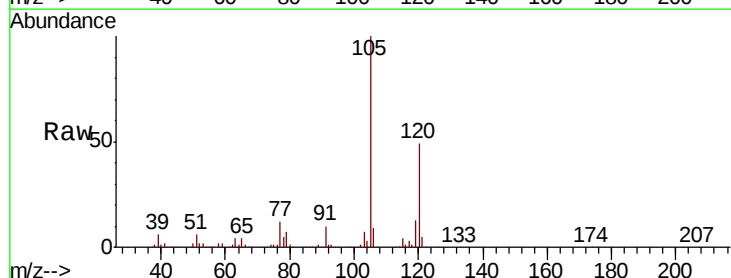
Acq: 23 Aug 2018 9:51

Tgt Ion:105 Resp: 583903

Ion Ratio Lower Upper

105 100

120 49.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.59 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampled :

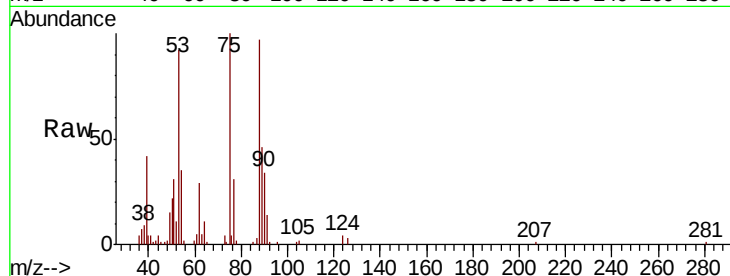
Tot Ion: 75 Resp: 39702

Ion Ratio Lower Upper

75 100

53 91.0 68.9 103.3

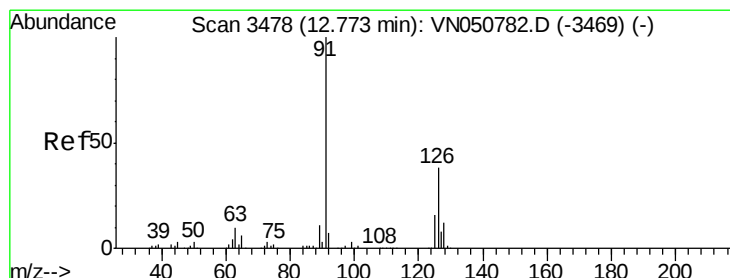
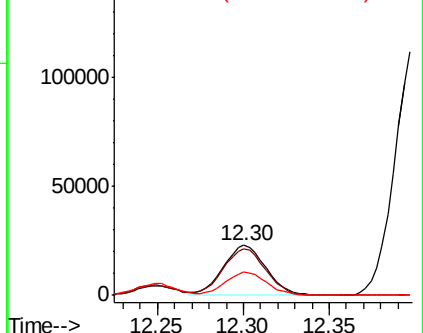
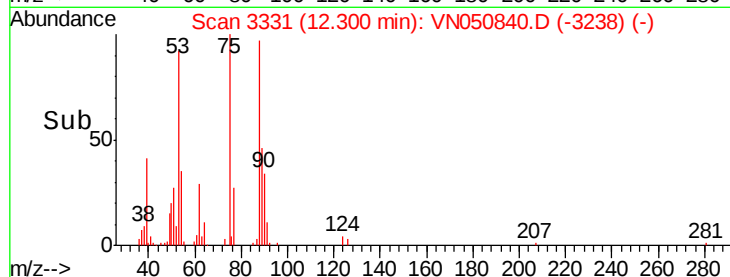
89 45.1 36.1 54.1



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: 21.34 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050840.D

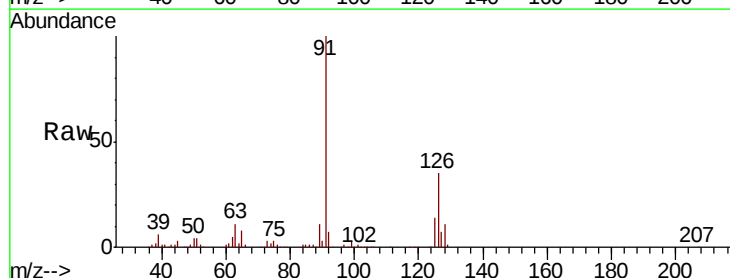
Acq: 23 Aug 2018 9:51

Tgt Ion: 91 Resp: 475017

Ion Ratio Lower Upper

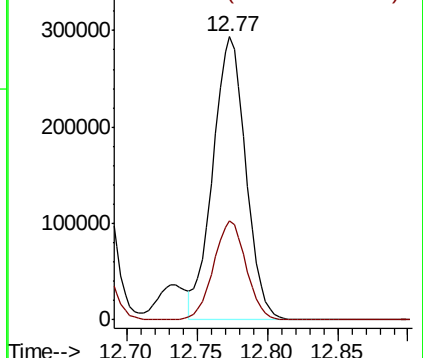
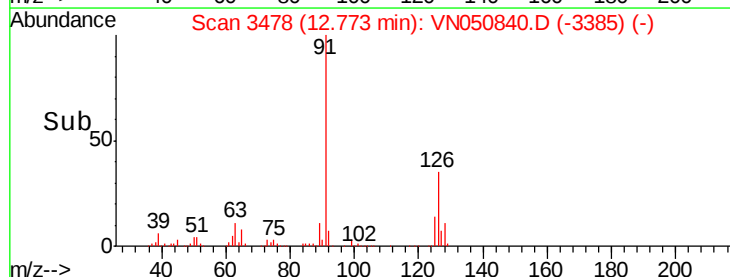
91 100

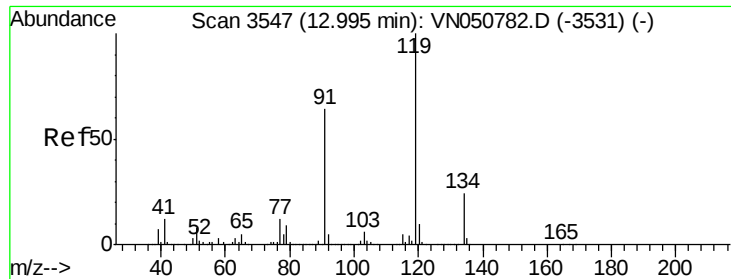
126 34.5 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

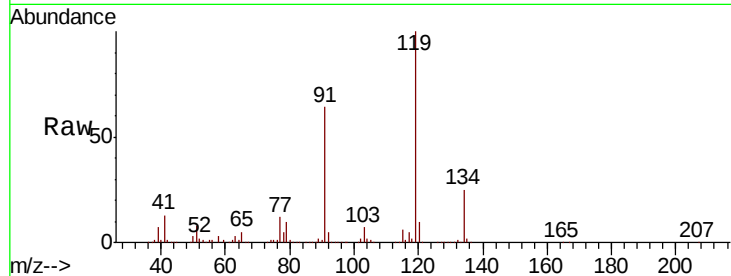




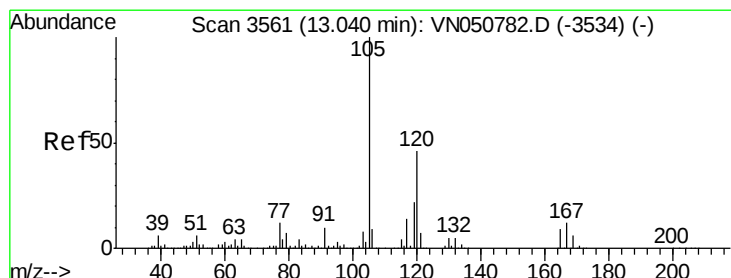
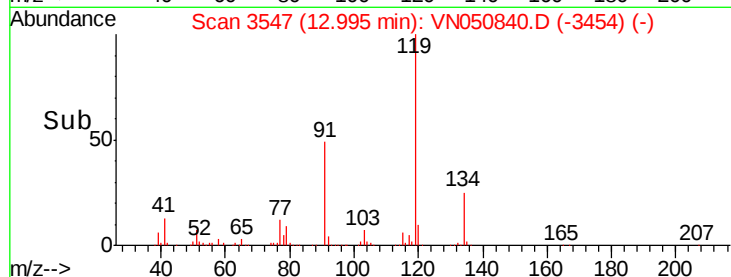
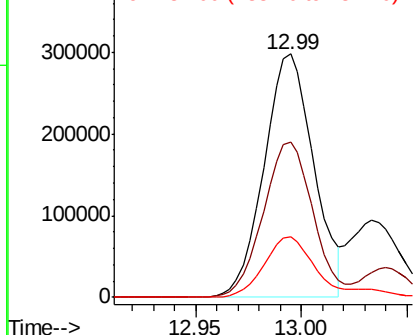
#83
 tert-Butylbenzene
 Concen: 21.58 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 488639
 Ion Ratio Lower Upper
 119 100
 91 63.5 31.6 94.7
 134 25.0 13.4 40.1

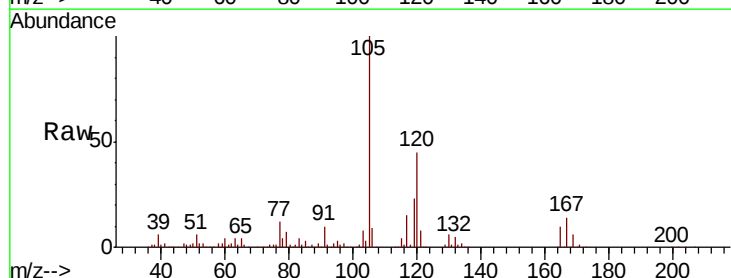


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

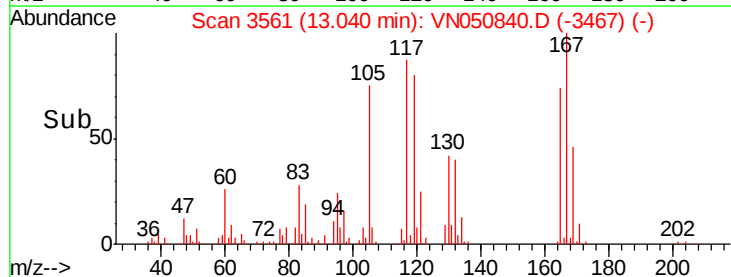
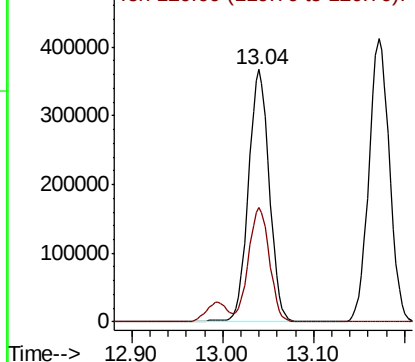


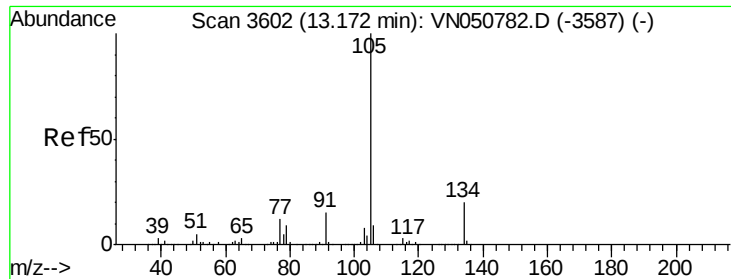
#84
 1,2,4-Trimethylbenzene
 Concen: 22.22 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion:105 Resp: 584338
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.70 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

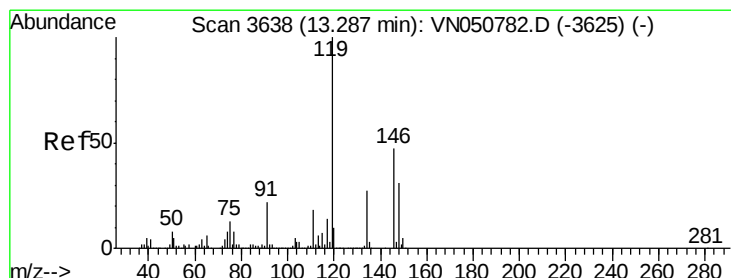
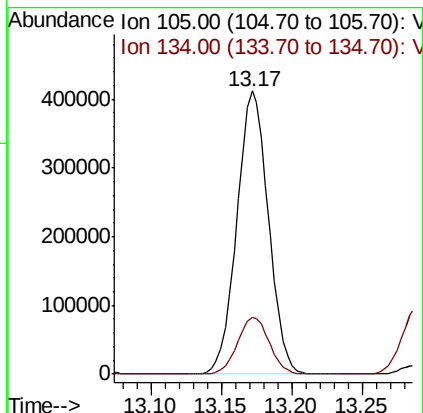
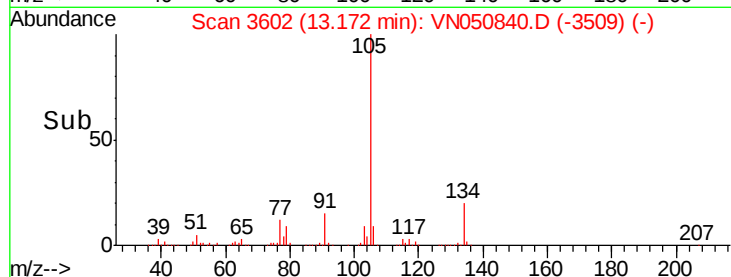
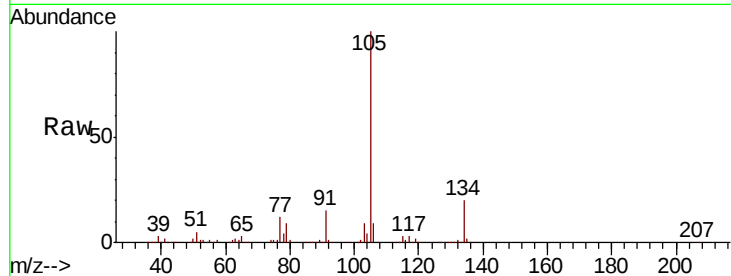
ClientSampled :

Tot Ion:105 Resp: 643710

Ion Ratio Lower Upper

105 100

134 20.3 10.3 30.8



#86

p-Isopropyltoluene

Concen: 21.80 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

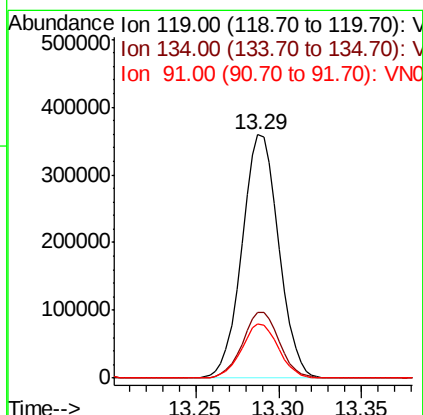
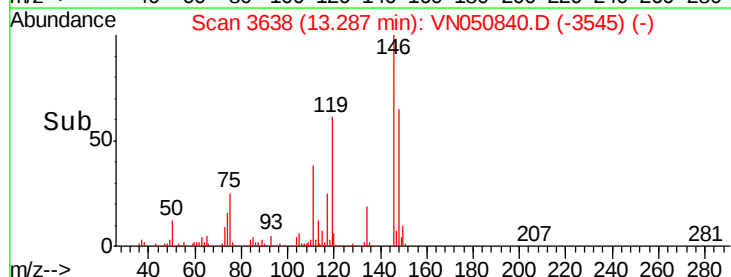
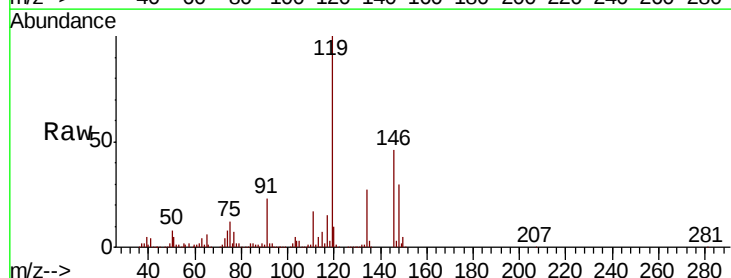
Tgt Ion:119 Resp: 551055

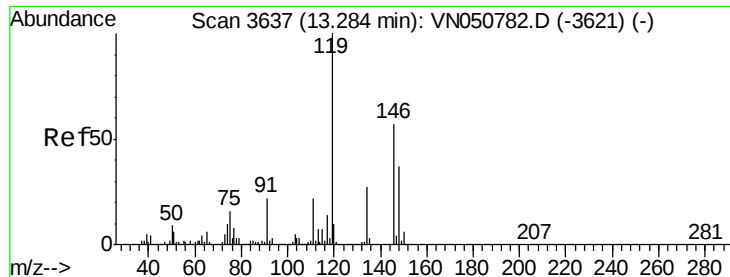
Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

91 22.2 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.92 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampled :

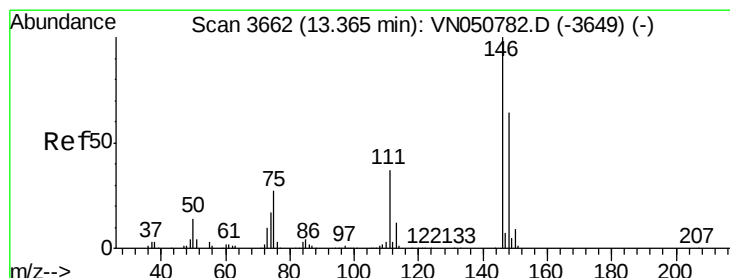
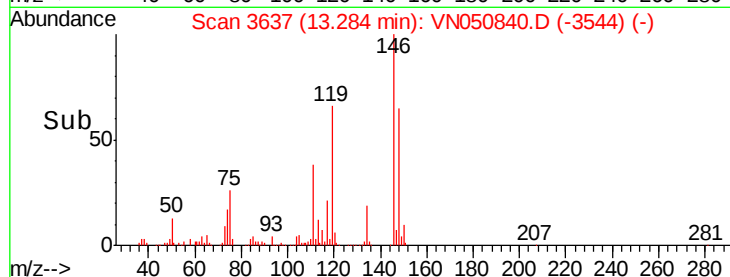
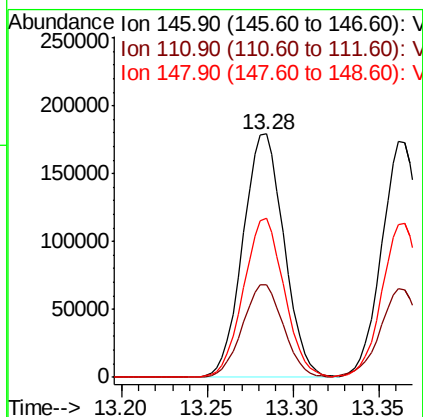
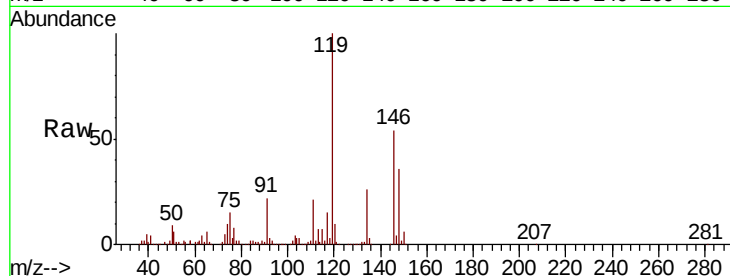
Tot Ion:146 Resp: 297568

Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.3

148 64.5 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 19.43 ug/l

RT: 13.36 min Scan# 3661

Delta R.T. -0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

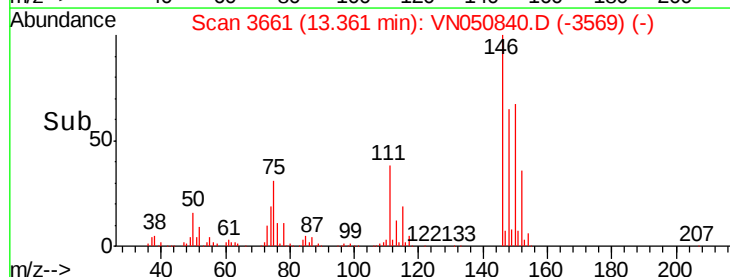
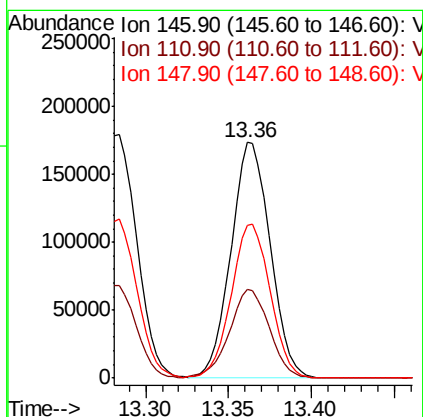
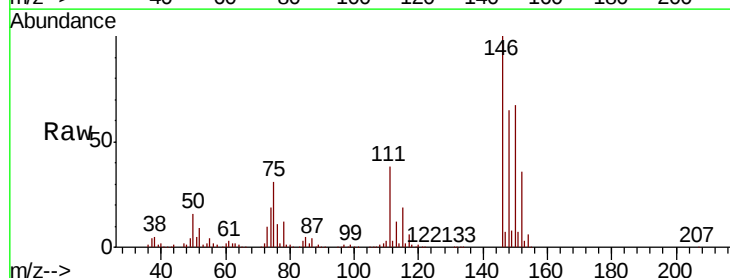
Tgt Ion:146 Resp: 285781

Ion Ratio Lower Upper

146 100

111 38.2 18.8 56.3

148 65.0 32.2 96.6

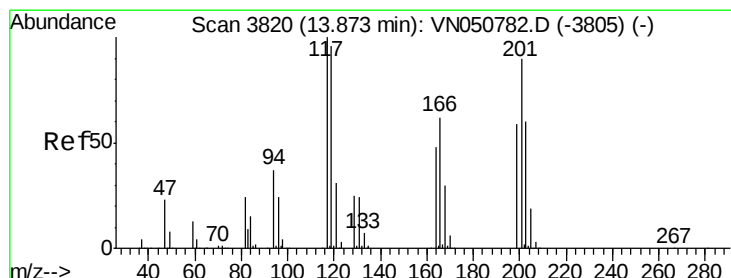
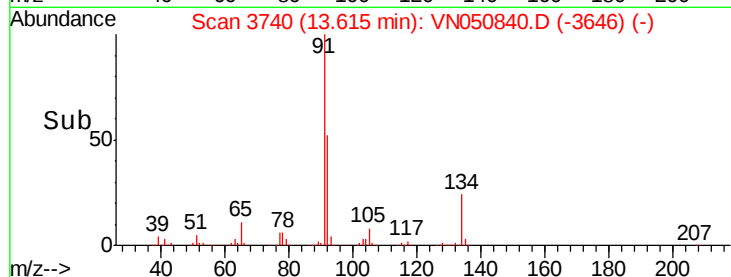
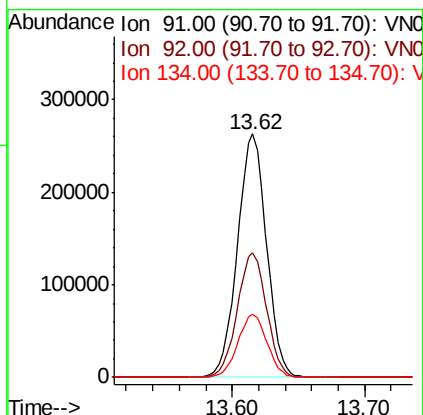
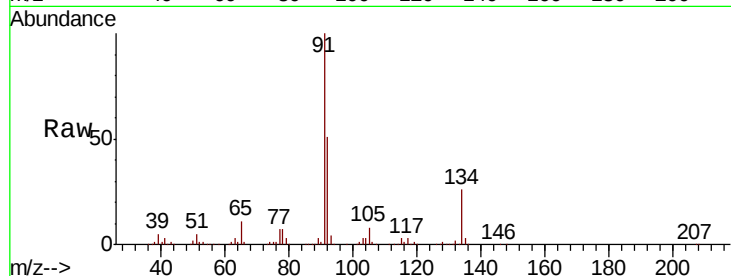




#89
n-Butylbenzene
Concen: 19.79 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

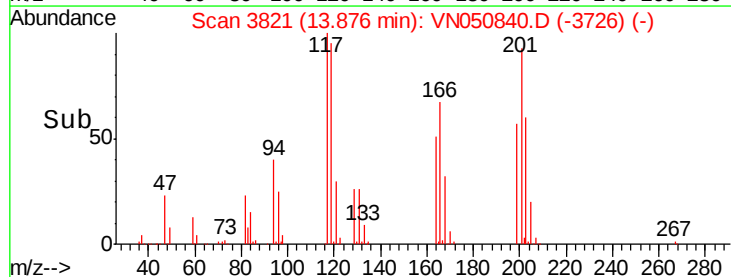
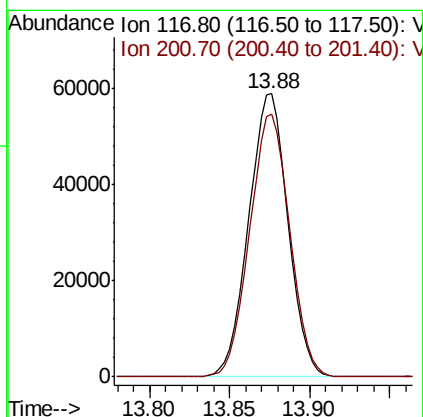
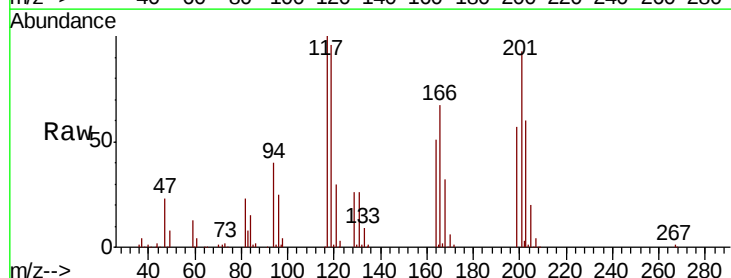
Instrument :
MSVOA_N
ClientSampleId :

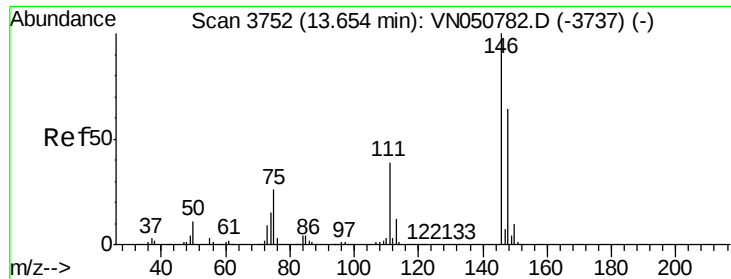
Tot Ion: 91 Resp: 400137
Ion Ratio Lower Upper
91 100
92 51.4 26.1 78.2
134 26.0 13.2 39.6



#90
Hexachloroethane
Concen: 20.67 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion: 117 Resp: 99035
Ion Ratio Lower Upper
117 100
201 94.8 46.0 137.8





#91

1,2-Dichlorobenzene

Concen: 20.37 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

Instrument :

MSVOA_N

ClientSampled :

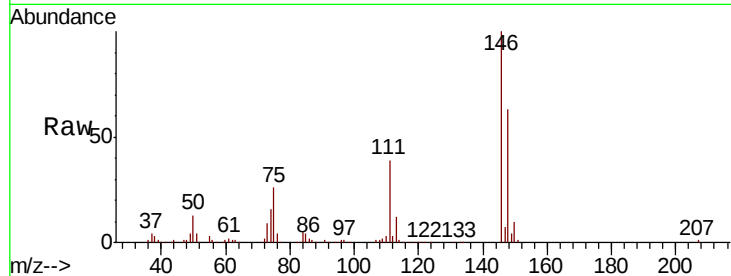
Tot Ion:146 Resp: 293681

Ion Ratio Lower Upper

146 100

111 39.3 19.8 59.3

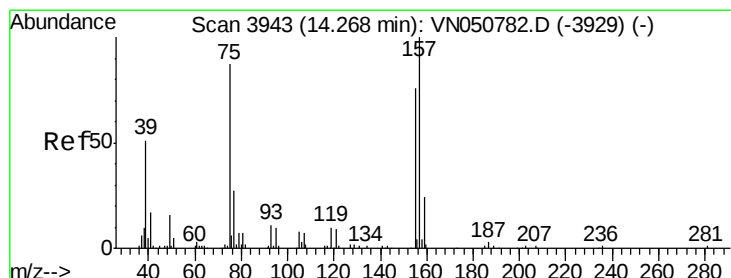
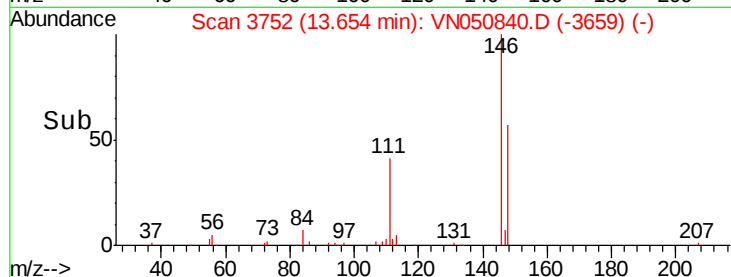
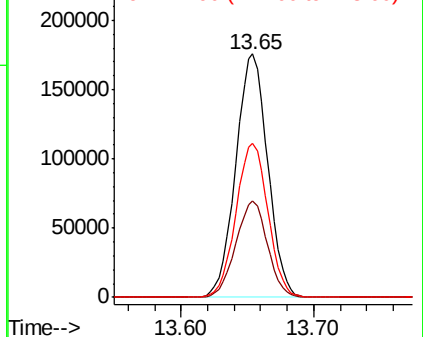
148 63.3 32.3 96.8



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: 19.74 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VN050840.D

Acq: 23 Aug 2018 9:51

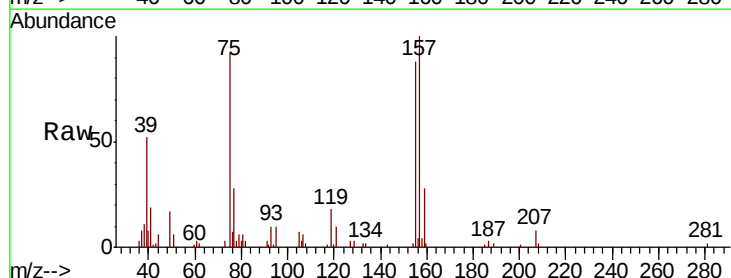
Tgt Ion: 75 Resp: 22971

Ion Ratio Lower Upper

75 100

155 92.2 46.4 139.1

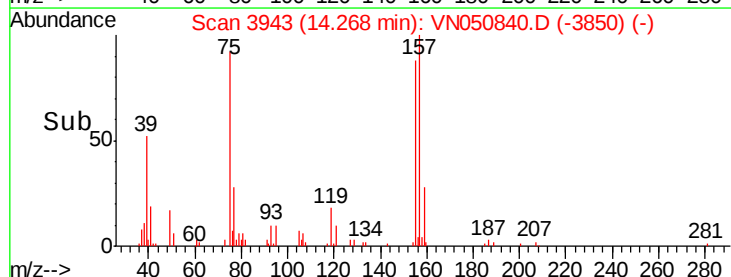
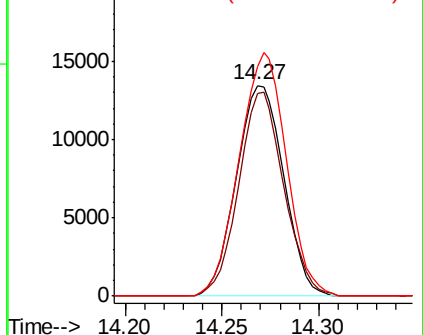
157 115.1 60.7 182.0

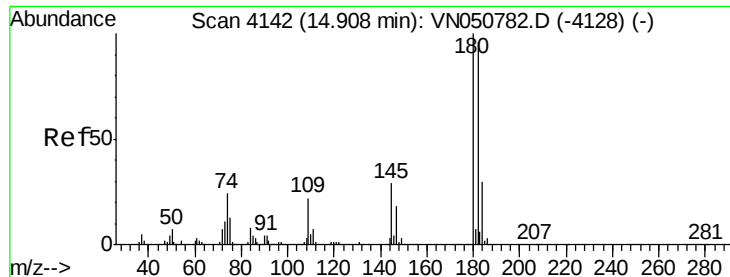


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

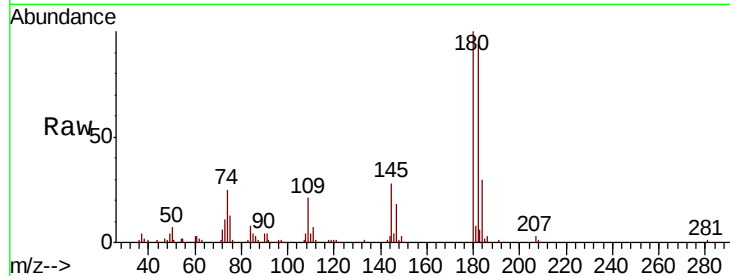




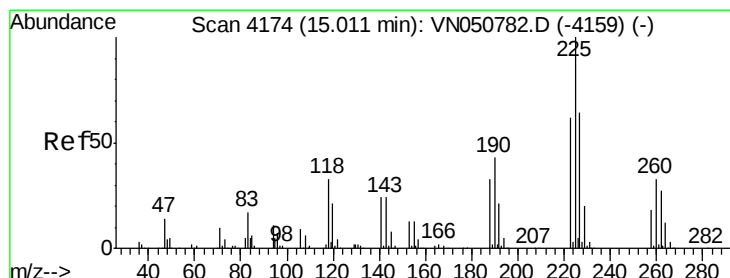
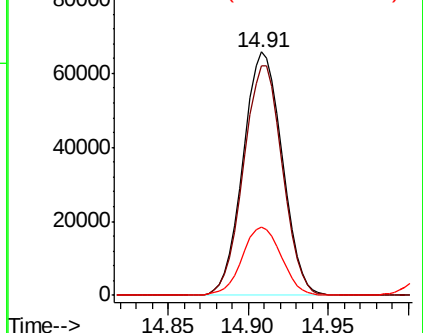
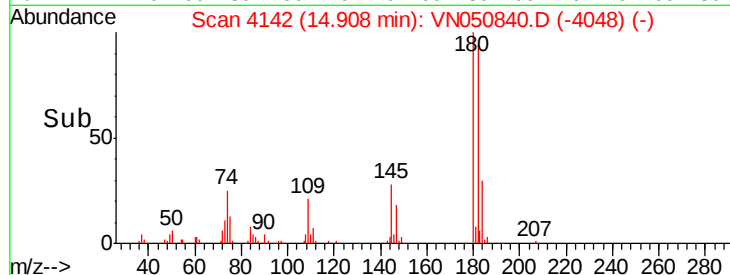
#93
 1,2,4-Trichlorobenzene
 Concen: 17.53 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 109805
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.2 144.6
 145 28.1 14.1 42.2

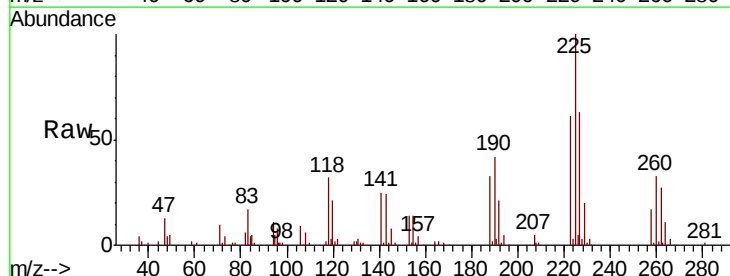


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

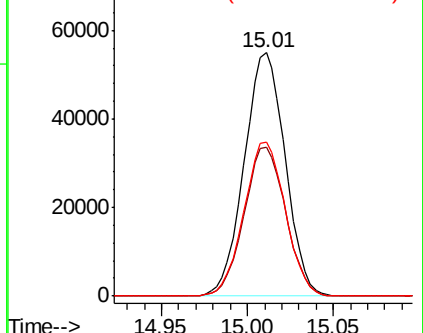
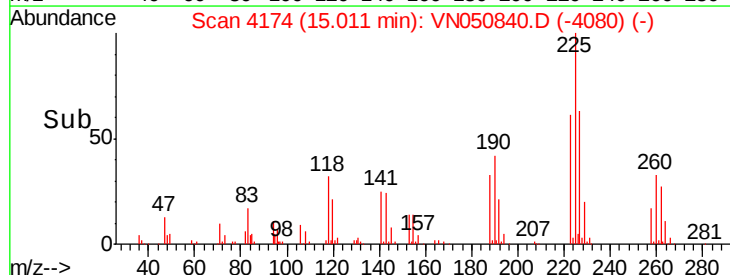


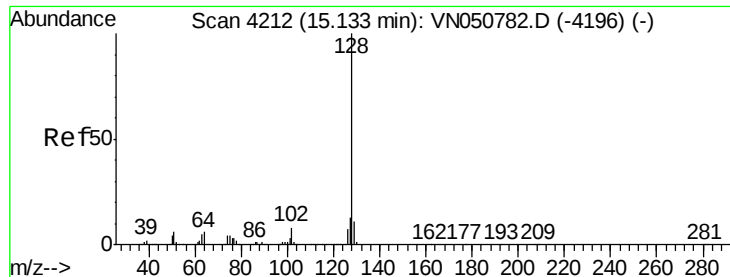
#94
 Hexachlorobutadiene
 Concen: 20.59 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050840.D
 Acq: 23 Aug 2018 9:51

Tgt Ion:225 Resp: 90789
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.3 93.8
 227 63.6 32.0 96.2



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

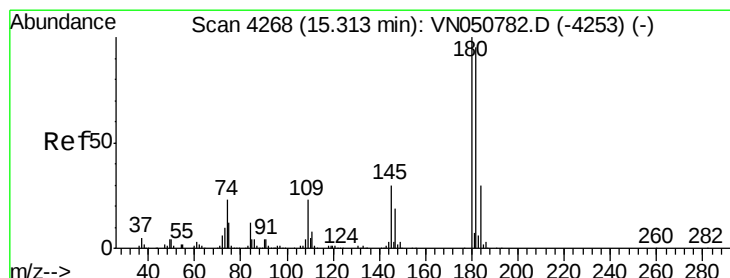
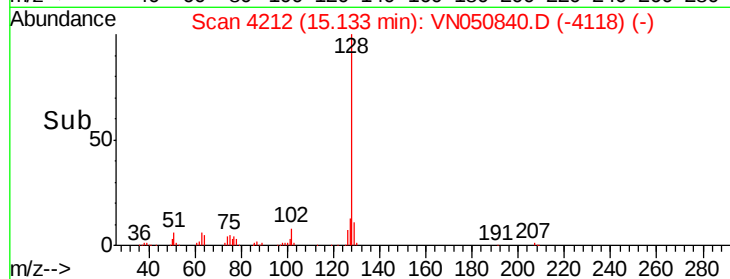
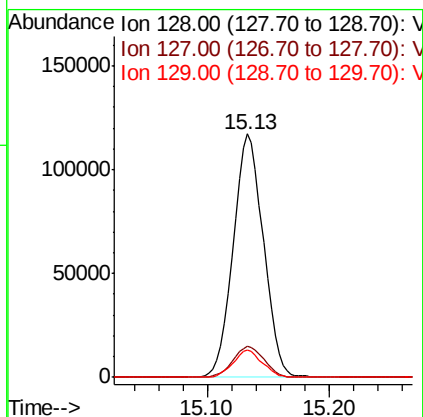
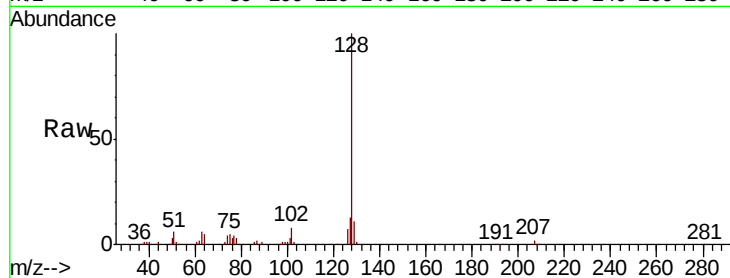




#95
Naphthalene
Concen: 16.88 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 18.26 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. 0.00 min
Lab File: VN050840.D
Acq: 23 Aug 2018 9:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.9	48.0	144.2
145	30.0	15.2	45.6

