

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 948-MW-15(17)

Quant Time: Aug 16 01:23:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	694246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	958096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	887834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	460297	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	395466	45.19	ug/l	0.00
Spiked Amount			Recovery	=	90.38%	
35) Dibromofluoromethane	7.59	113	373243	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	10.09	98	1424657	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.40	95	474183	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	352783	45.07	ug/l	99
3) Chloromethane	2.06	50	446607	46.80	ug/l	99
4) Vinyl Chloride	2.19	62	465111	44.73	ug/l	99
5) Bromomethane	2.56	94	270226	48.29	ug/l	97
6) Chloroethane	2.70	64	281791	48.73	ug/l	100
7) Trichlorofluoromethane	3.01	101	610957	44.78	ug/l	100
8) Diethyl Ether	3.41	74	202319	44.58	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	383700	46.51	ug/l	99
10) Methyl Iodide	3.95	142	278076	47.78	ug/l	100
11) Tert butyl alcohol	4.79	59	102190	213.86	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	342318	45.44	ug/l	97
13) Acrolein	3.61	56	36389	197.79	ug/l	99
14) Allyl chloride	4.32	41	543541	46.39	ug/l	100
15) Acrylonitrile	4.99	53	584662	222.78	ug/l	99
16) Acetone	3.82	43	568496	260.24	ug/l	98
17) Carbon Disulfide	4.05	76	1079967	45.56	ug/l	100
18) Methyl Acetate	4.33	43	277117	44.99	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	901391	47.02	ug/l	100
20) Methylene Chloride	4.55	84	399729	48.01	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	378812	46.38	ug/l	99
22) Diisopropyl ether	5.95	45	1170058	48.70	ug/l	98
23) Vinyl Acetate	5.90	43	3821187	243.15	ug/l	99
24) 1,1-Dichloroethane	5.85	63	698134	44.91	ug/l	99
25) 2-Butanone	6.84	43	838450	233.68	ug/l	99
26) 2,2-Dichloropropane	6.82	77	567883	54.58	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	420900	46.28	ug/l	98
28) Bromochloromethane	7.19	49	331998	46.93	ug/l	99
29) Tetrahydrofuran	7.21	42	428816	228.89	ug/l	100
30) Chloroform	7.37	83	701440	44.53	ug/l	100
31) Cyclohexane	7.65	56	637367	48.03	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	599563	45.22	ug/l	100
36) 1,1-Dichloropropene	7.79	75	548837	51.46	ug/l	100
37) Ethyl Acetate	6.93	43	299784	49.73	ug/l	100
38) Carbon Tetrachloride	7.77	117	540750	48.87	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	618555	56.02	ug/l	98
40) Benzene	8.04	78	1643350	50.65	ug/l	100
41) Methacrylonitrile	7.17	41	160610	49.28	ug/l	99
42) 1,2-Dichloroethane	8.12	62	485722	48.84	ug/l	100
43) Isopropyl Acetate	8.17	43	519814	47.31	ug/l	98
44) Trichloroethene	8.84	130	429118	49.37	ug/l	99
45) 1,2-Dichloropropane	9.12	63	425550	49.27	ug/l	100
46) Dibromomethane	9.21	93	246647	48.36	ug/l	98
47) Bromodichloromethane	9.40	83	538493	49.40	ug/l	99
48) Methyl methacrylate	9.20	41	263384	47.64	ug/l	98
49) 1,4-Dioxane	9.20	88	70472	967.64	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1843658	248.12	ug/l	100
52) Toluene	10.16	92	1010366	52.15	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	535212	52.71	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	629225	54.02	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	350469	48.43	ug/l	99
56) Ethyl methacrylate	10.43	69	428161	46.51	ug/l	98
57) 1,3-Dichloropropane	10.71	76	594599	50.11	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1024311	232.39	ug/l	100
59) 2-Hexanone	10.75	43	1226976	255.85	ug/l	99
60) Dibromochloromethane	10.90	129	405079	50.71	ug/l	99
61) 1,2-Dibromoethane	11.01	107	346056	50.21	ug/l	99
64) Tetrachloroethene	10.63	164	402859	48.86	ug/l	97
65) Chlorobenzene	11.43	112	1107796	50.14	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	407450	49.19	ug/l	100
67) Ethyl Benzene	11.51	91	1919863	53.81	ug/l	100
68) m/p-Xylenes	11.62	106	1488282	109.07	ug/l	100
69) o-Xylene	11.95	106	696679	53.54	ug/l	99
70) Styrene	11.96	104	1161526	50.19	ug/l	99
71) Bromoform	12.13	173	271048	49.35	ug/l #	99
73) Isopropylbenzene	12.25	105	1874191	52.11	ug/l	100
74) N-amyl acetate	12.07	43	446412	47.71	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	425858	51.05	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	506024	68.42	ug/l #	100
77) Bromobenzene	12.53	156	468308	47.96	ug/l	99
78) n-propylbenzene	12.59	91	2171546	54.15	ug/l	100
79) 2-Chlorotoluene	12.67	91	1270901	50.83	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1559964	54.18	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	105545	50.98	ug/l	99
82) 4-Chlorotoluene	12.77	91	1297850	52.53	ug/l	100
83) tert-Butylbenzene	12.99	119	1305852	52.24	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1586361	54.89	ug/l	100
85) sec-Butylbenzene	13.17	105	1760852	53.91	ug/l	100
86) p-Isopropyltoluene	13.29	119	1549672	55.99	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	835598	50.27	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	811463	49.19	ug/l	100
89) n-Butylbenzene	13.62	91	1251353	55.99	ug/l	99
90) Hexachloroethane	13.88	117	262840	47.23	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	793129	48.91	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57414	44.74	ug/l	98

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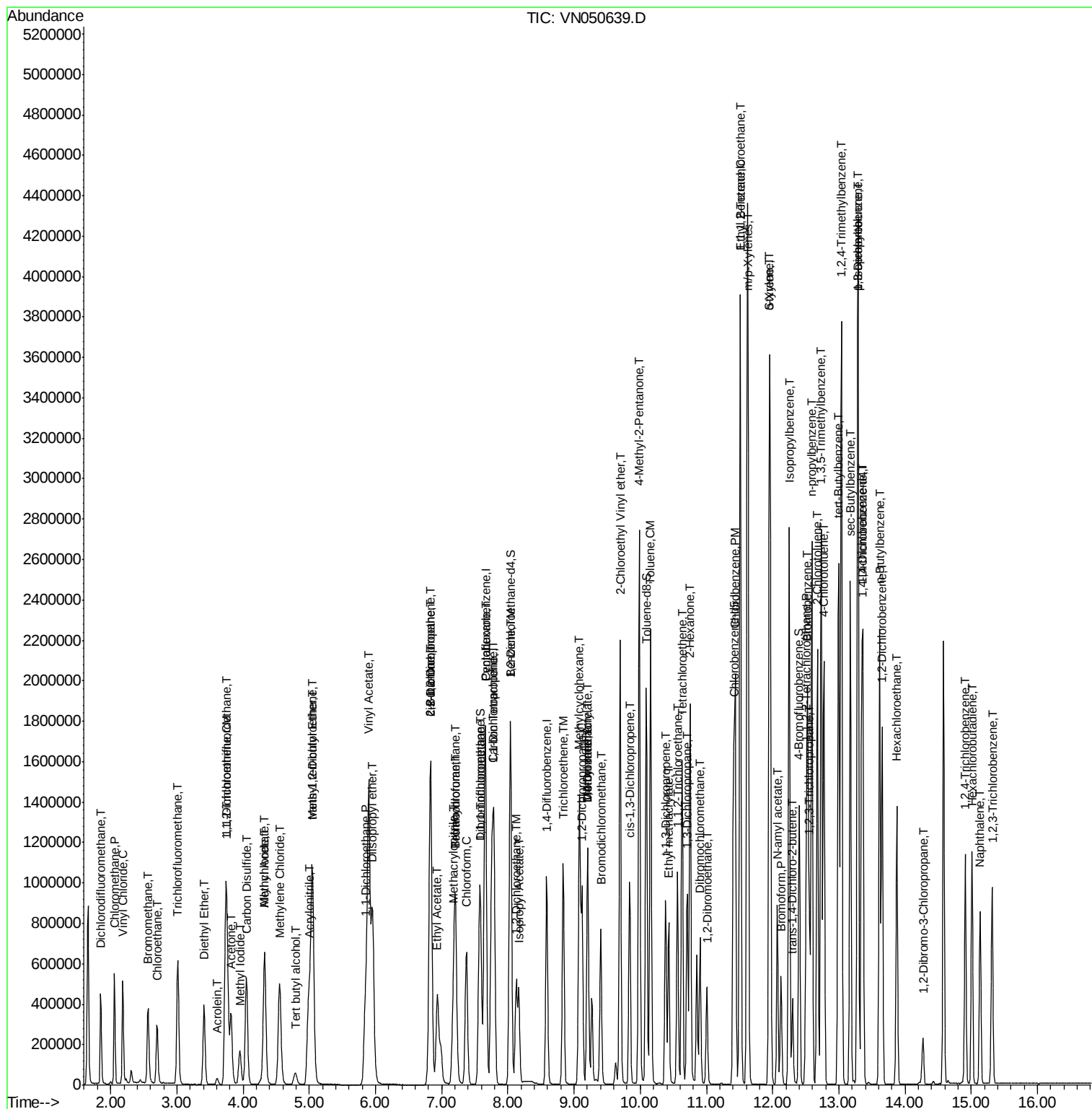
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	394580	47.55	ug/l	99
94) Hexachlorobutadiene	15.01	225	249152	50.11	ug/l	98
95) Naphthalene	15.13	128	758221	43.38	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	371296	47.85	ug/l	99

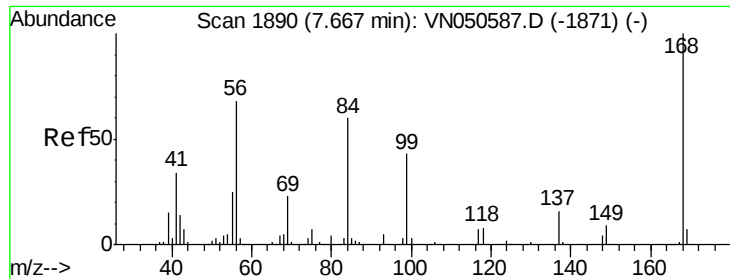
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

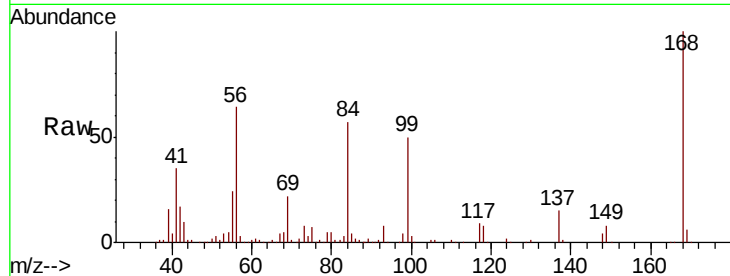
948-MW-15(17)

Tot Ion:168 Resp: 694246

Ion Ratio Lower Upper

168 100

99 49.6 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

300000

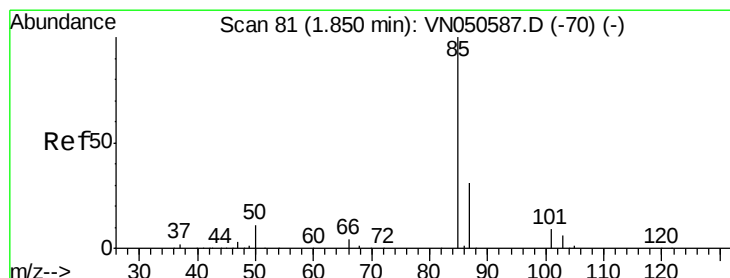
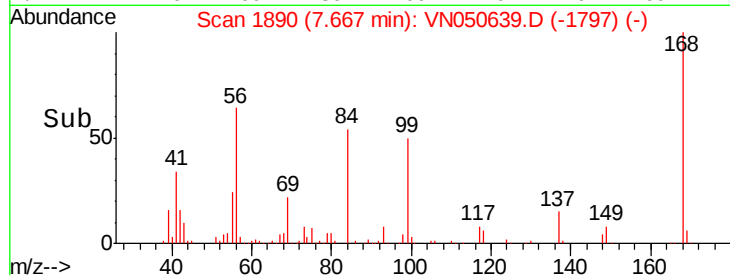
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.07 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050639.D

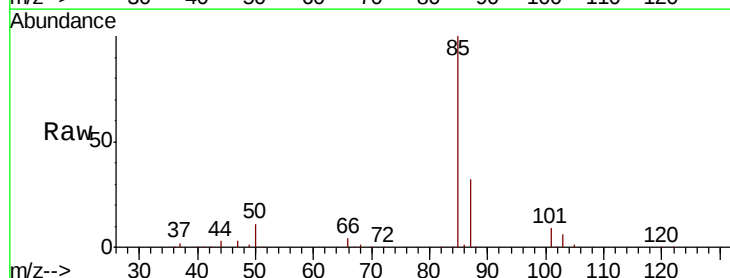
Acq: 15 Aug 2018 8:26

Tgt Ion: 85 Resp: 352783

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN050587.D (-70) (-)

Ion 86.90 (86.60 to 87.60): VN050587.D (-70) (-)

1.85

300000

250000

200000

150000

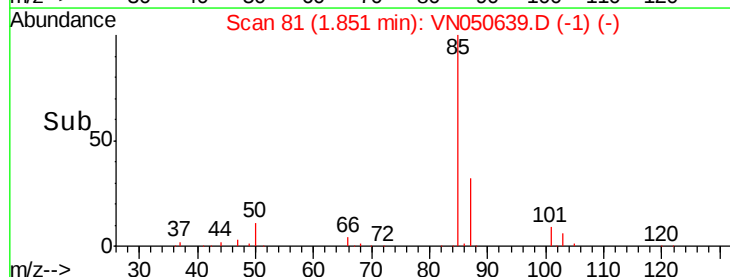
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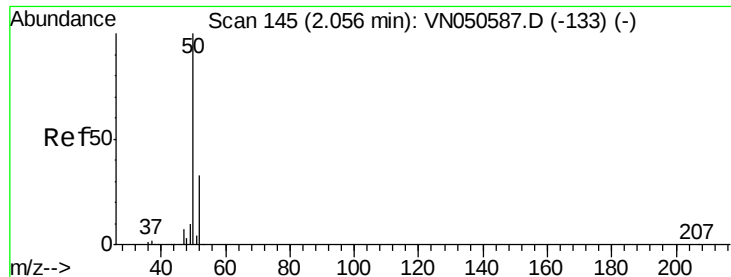
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.80 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

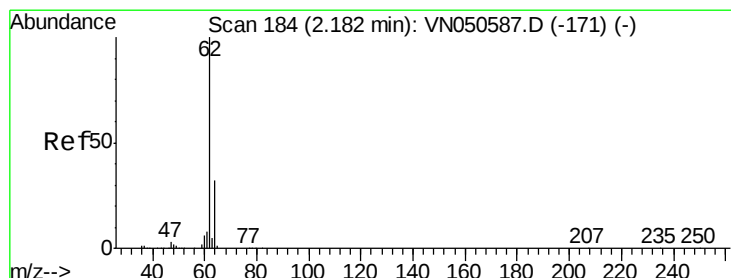
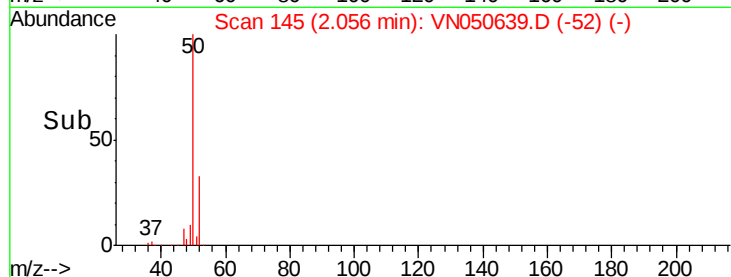
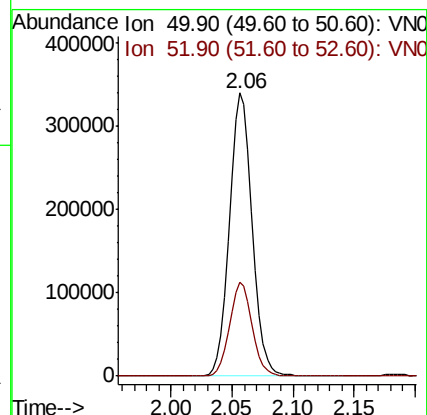
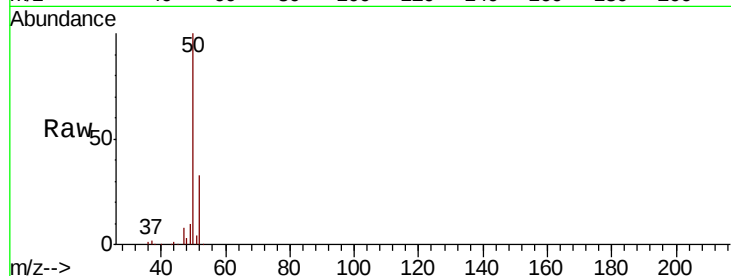
948-MW-15(17)

Tot Ion: 50 Resp: 446607

Ion Ratio Lower Upper

50 100

52 33.2 26.0 39.0



#4

Vinyl Chloride

Concen: 44.73 ug/l

RT: 2.19 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050639.D

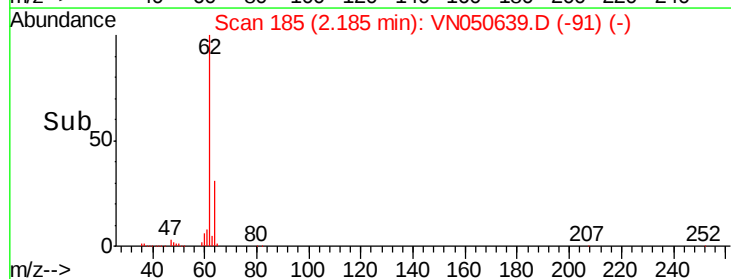
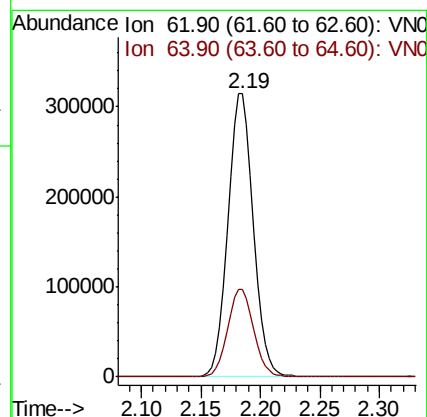
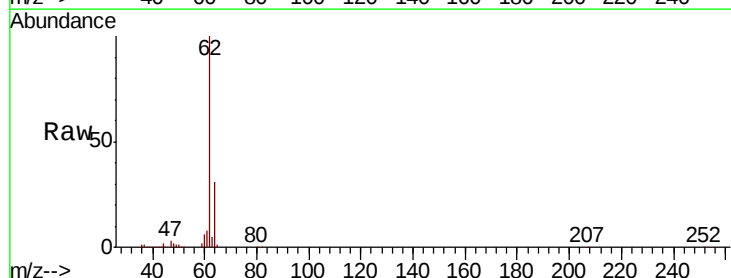
Acq: 15 Aug 2018 8:26

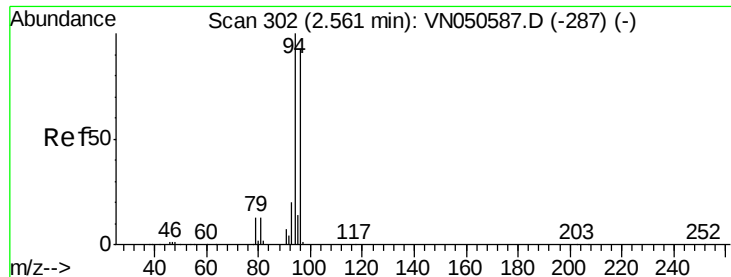
Tgt Ion: 62 Resp: 465111

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8





#5

Bromomethane

Concen: 48.29 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampled :

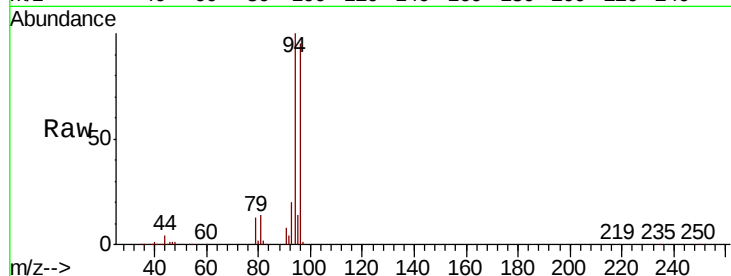
948-MW-15(17)

Tot Ion: 94 Resp: 270226

Ion Ratio Lower Upper

94 100

96 94.9 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

150000

100000

50000

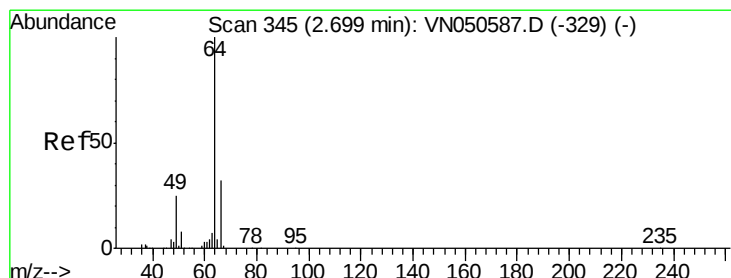
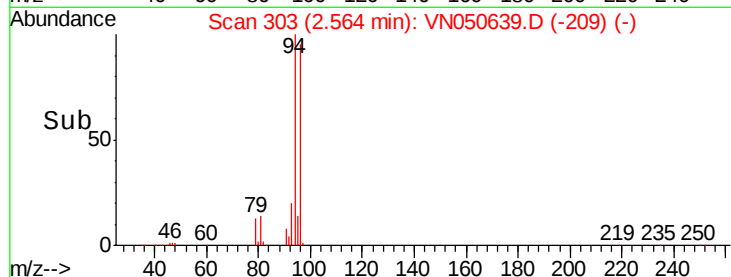
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 48.73 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050639.D

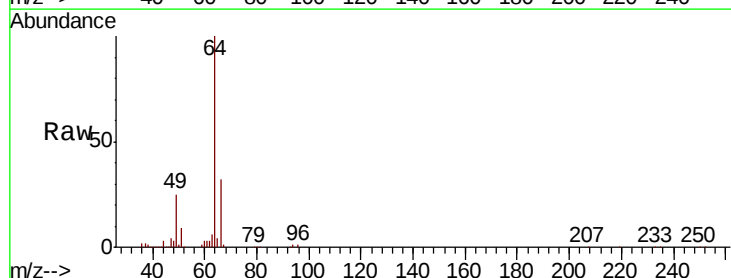
Acq: 15 Aug 2018 8:26

Tgt Ion: 64 Resp: 281791

Ion Ratio Lower Upper

64 100

66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

150000

100000

50000

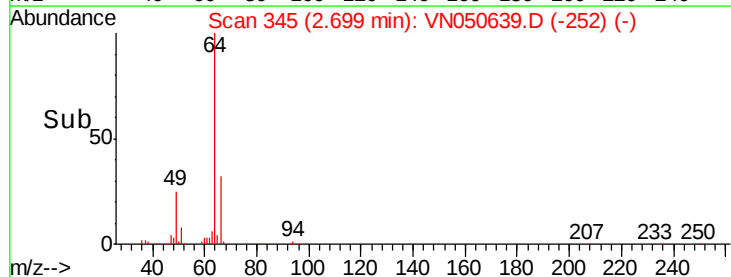
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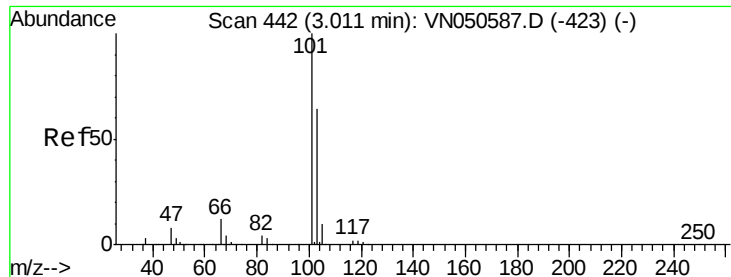
Time-->

2.60

2.70

2.80





#7

Trichlorofluoromethane

Concen: 44.78 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050639.D

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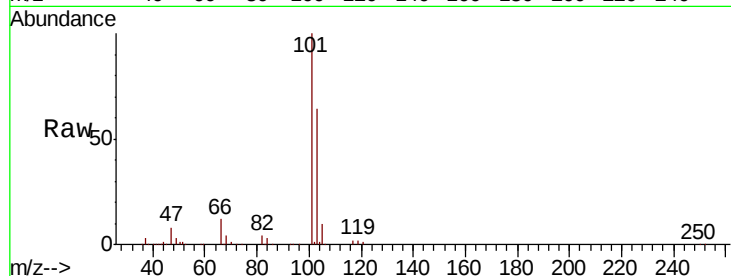
948-MW-15(17)

Tot Ion:101 Resp: 610957

Ion Ratio Lower Upper

101 100

103 64.4 51.4 77.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

250000

200000

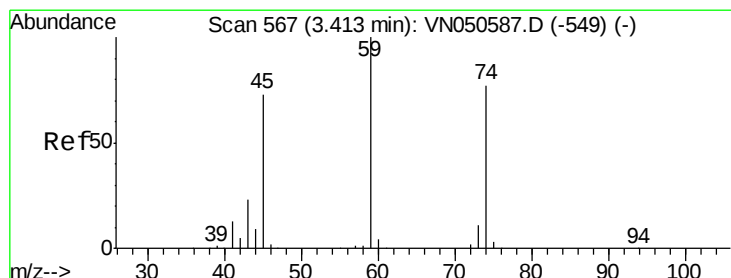
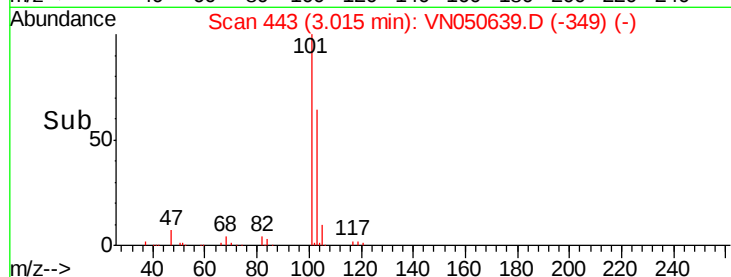
150000

100000

50000

0

Time--> 2.90 3.00 3.10



#8

Diethyl Ether

Concen: 44.58 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050639.D

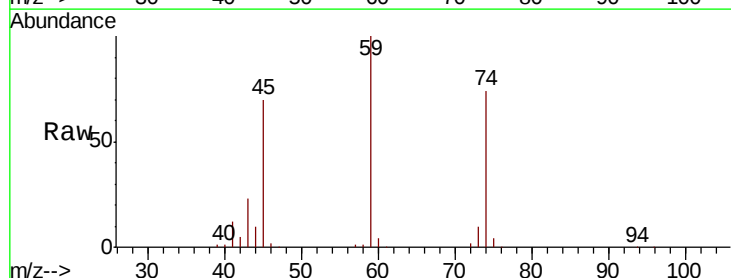
Acq: 15 Aug 2018 8:26

Tgt Ion: 74 Resp: 202319

Ion Ratio Lower Upper

74 100

45 97.7 48.0 144.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

100000

80000

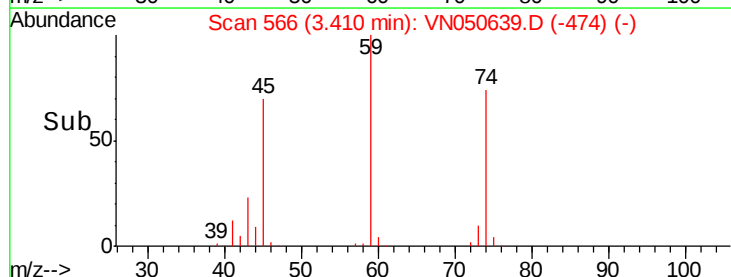
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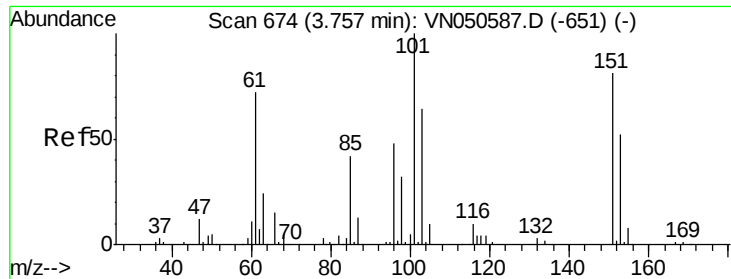
40000

20000

0

Time--> 3.30 3.40 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.51 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050639.D

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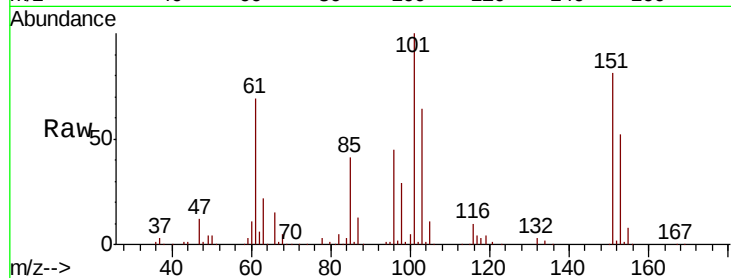
Tot Ion:101 Resp: 383700

Ion Ratio Lower Upper

101 100

85 41.9 33.4 50.0

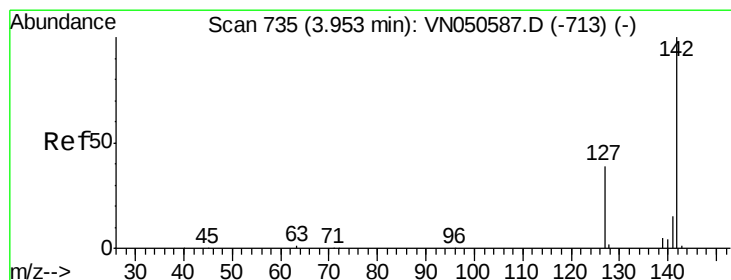
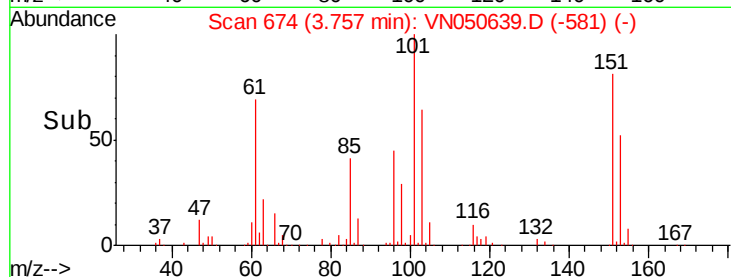
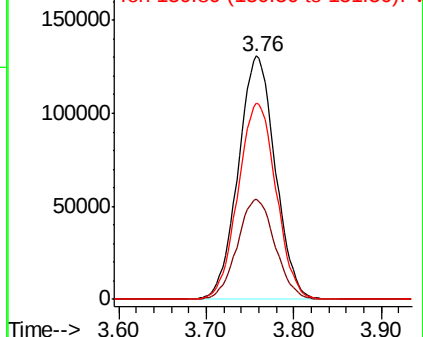
151 82.7 66.6 100.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.78 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

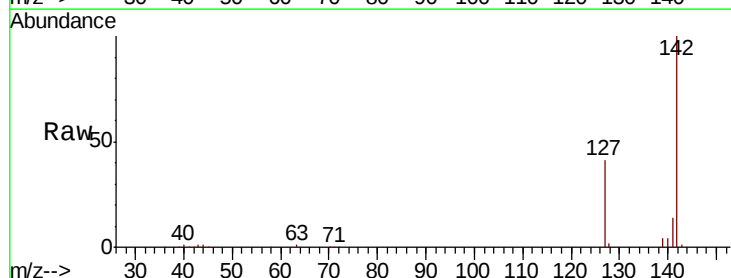
Tgt Ion:142 Resp: 278076

Ion Ratio Lower Upper

142 100

127 41.0 32.6 49.0

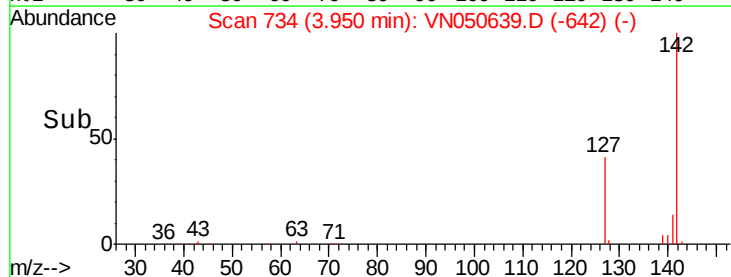
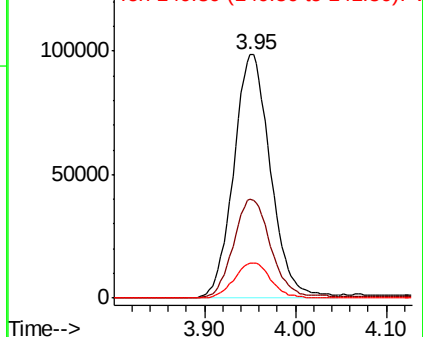
141 14.4 11.5 17.3

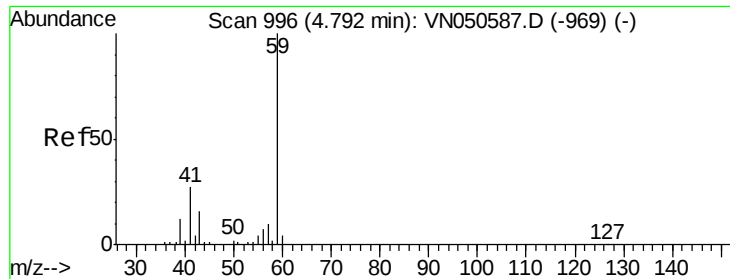


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

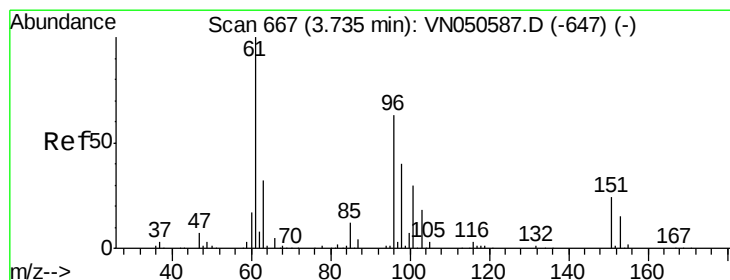
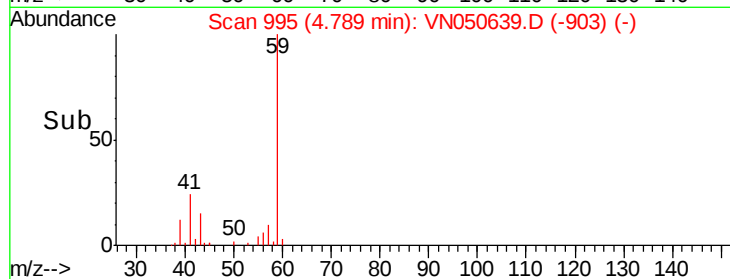
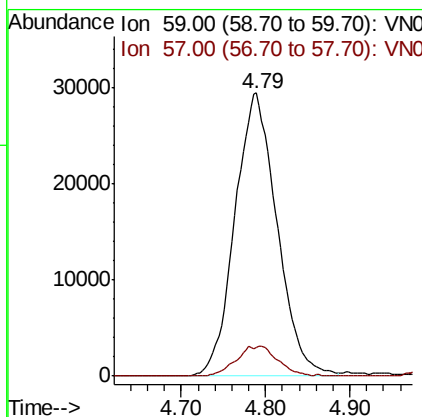
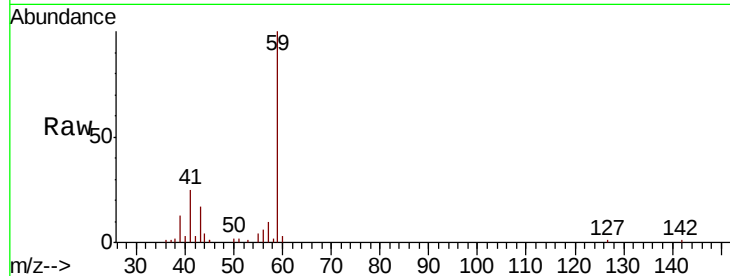




#11
Tert butyl alcohol
Concen: 213.86 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

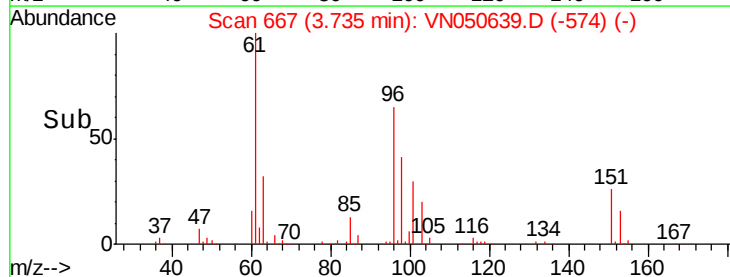
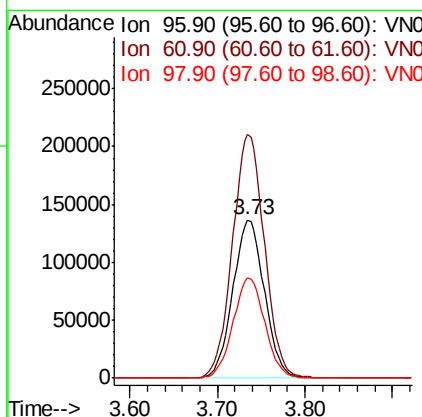
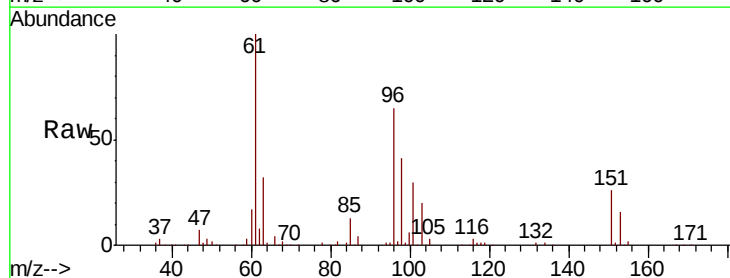
Instrument :
MSVOA_N
ClientSampleId :
948-MW-15(17)

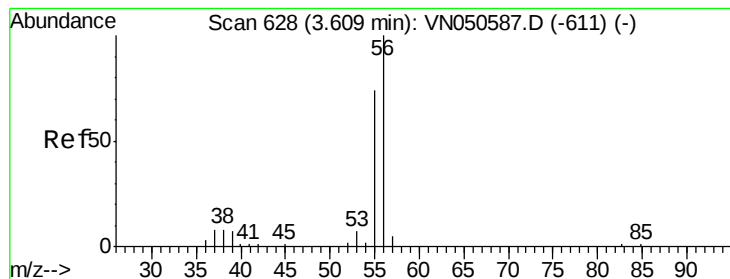
Tot Ion: 59 Resp: 102190
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 45.44 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Tgt Ion: 96 Resp: 342318
Ion Ratio Lower Upper
96 100
61 154.2 126.9 190.3
98 63.3 51.1 76.7





#13

Acrolein

Concen: 197.79 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

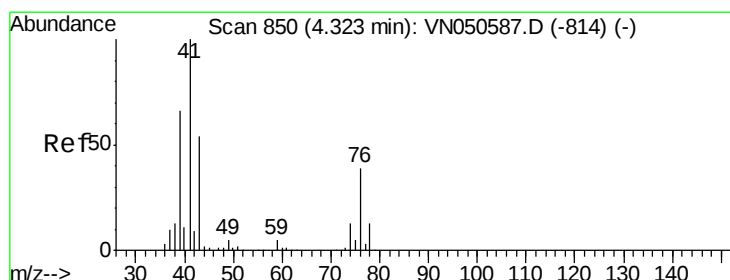
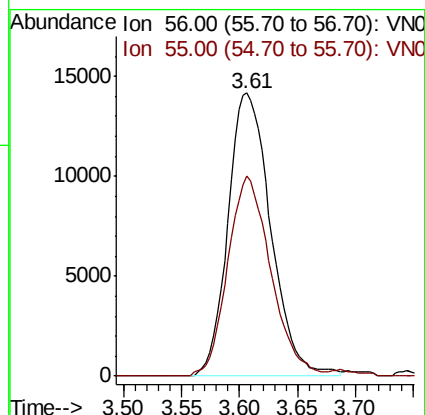
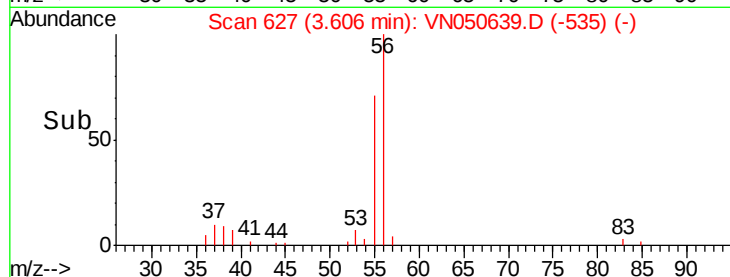
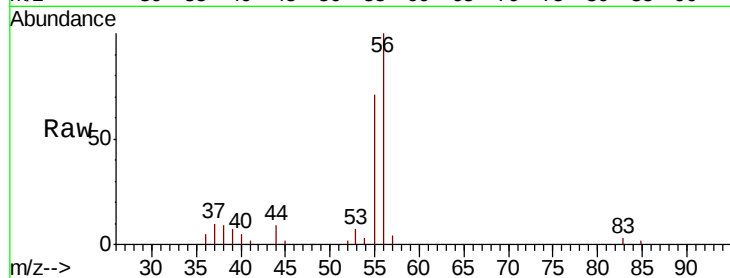
948-MW-15(17)

Tot Ion: 56 Resp: 36389

Ion Ratio Lower Upper

56 100

55 71.0 56.3 84.5



#14

Allyl chloride

Concen: 46.39 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

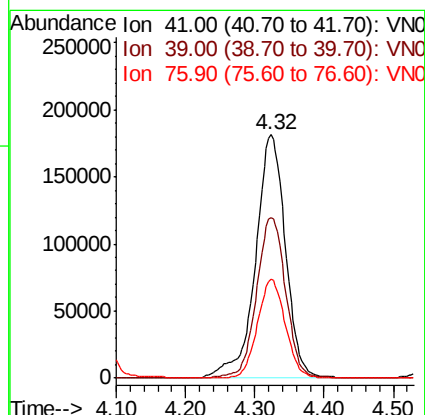
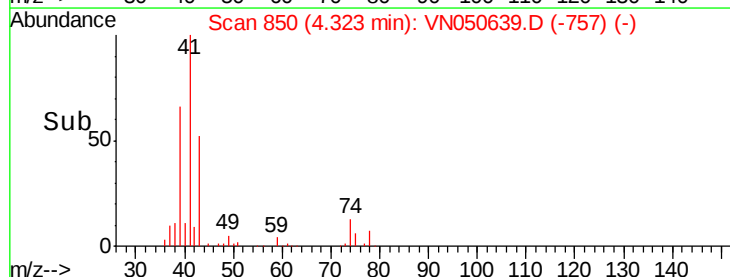
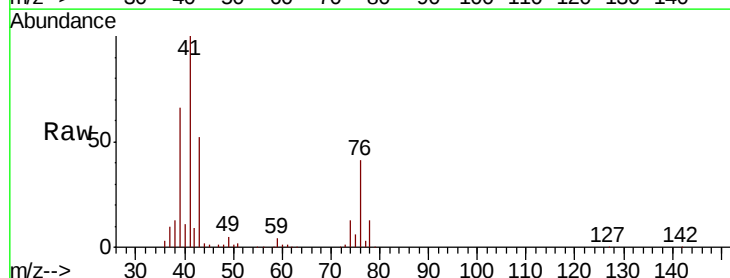
Tgt Ion: 41 Resp: 543541

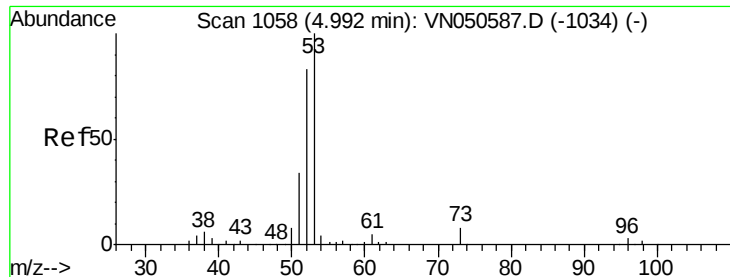
Ion Ratio Lower Upper

41 100

39 64.1 51.4 77.0

76 37.4 29.4 44.0





#15

Acrylonitrile

Concen: 222.78 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

948-MW-15(17)

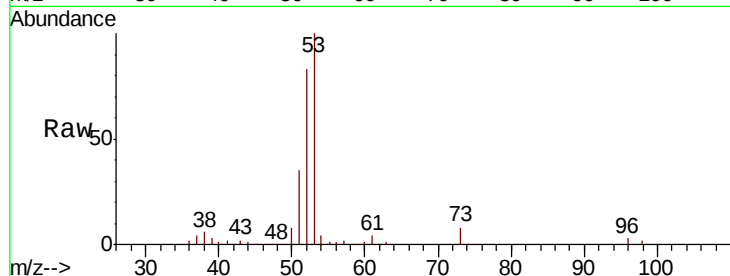
Tot Ion: 53 Resp: 584662

Ion Ratio Lower Upper

53 100

52 81.4 66.2 99.2

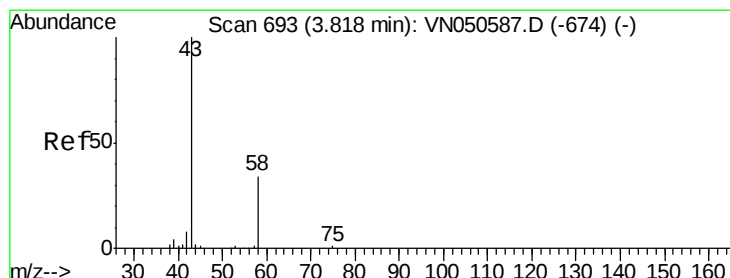
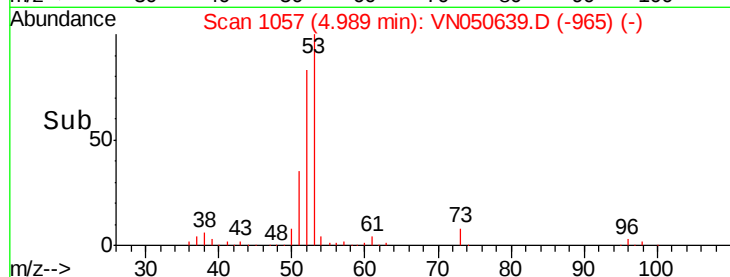
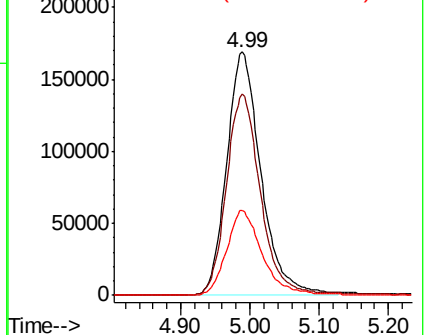
51 36.4 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 260.24 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN050639.D

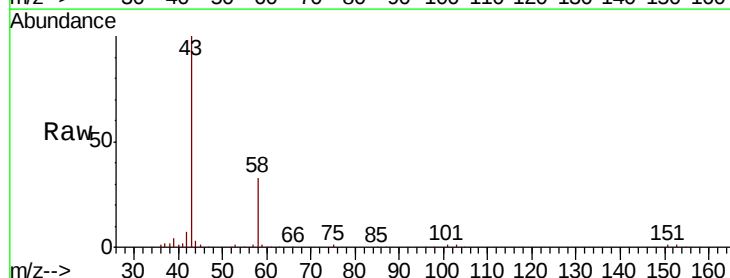
Acq: 15 Aug 2018 8:26

Tgt Ion: 43 Resp: 568496

Ion Ratio Lower Upper

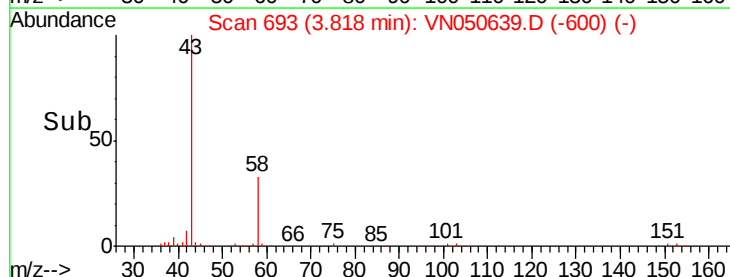
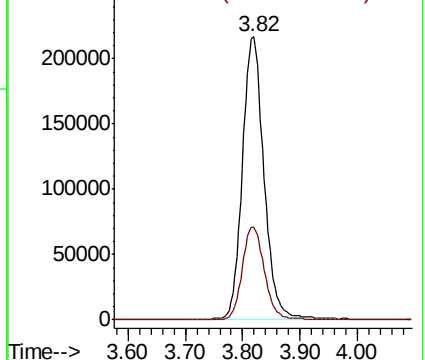
43 100

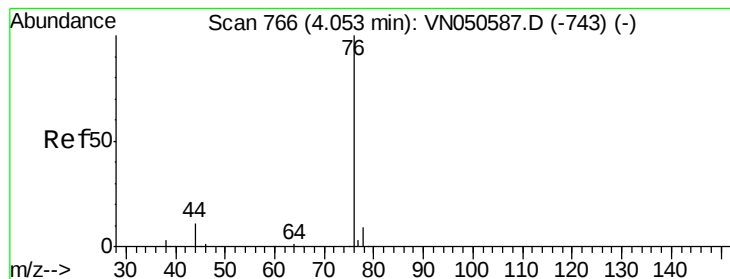
58 32.6 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 45.56 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

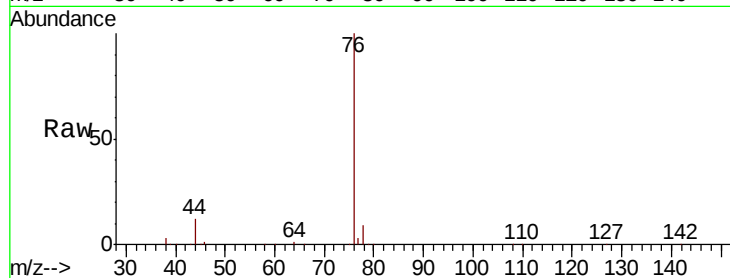
948-MW-15(17)

Tot Ion: 76 Resp: 1079967

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

400000

300000

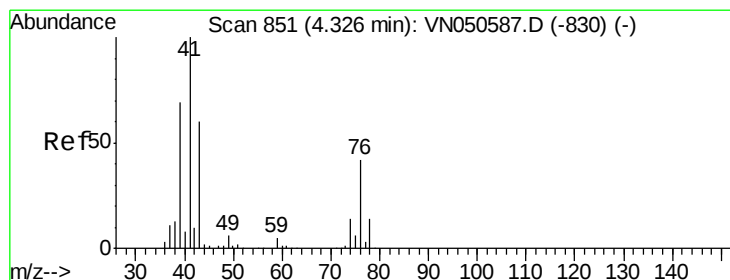
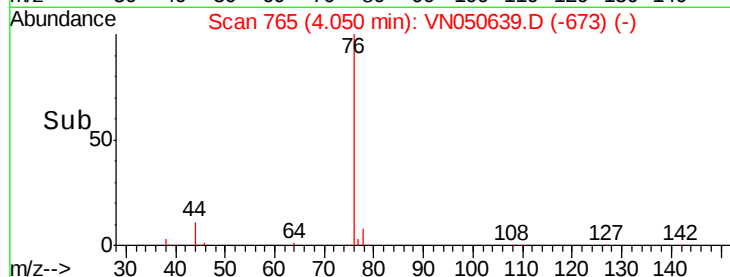
200000

100000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 44.99 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050639.D

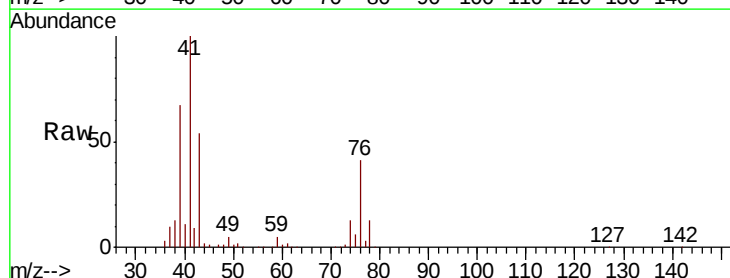
Acq: 15 Aug 2018 8:26

Tgt Ion: 43 Resp: 277117

Ion Ratio Lower Upper

43 100

74 24.7 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

100000

80000

60000

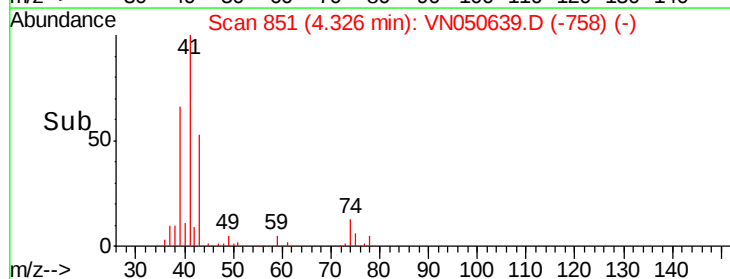
40000

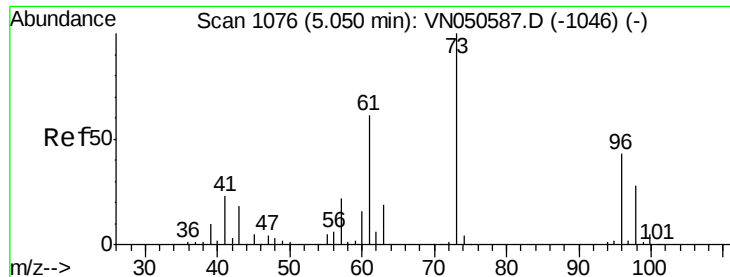
20000

0

Time-->

4.20 4.30 4.40 4.50

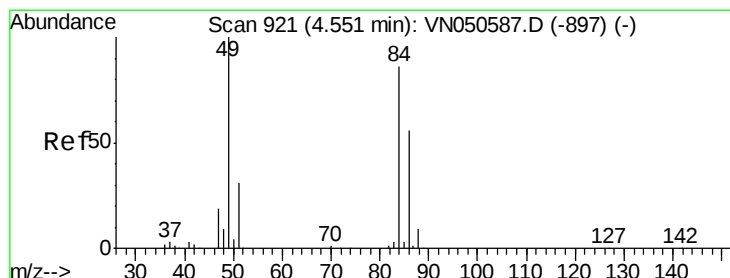
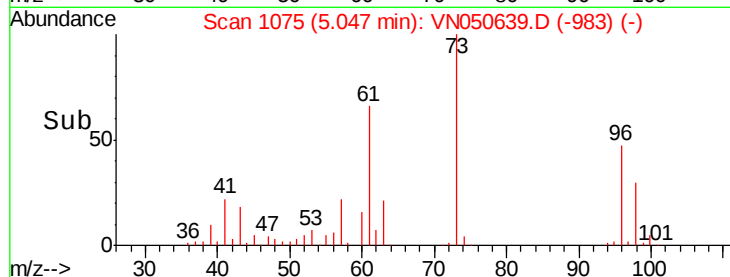
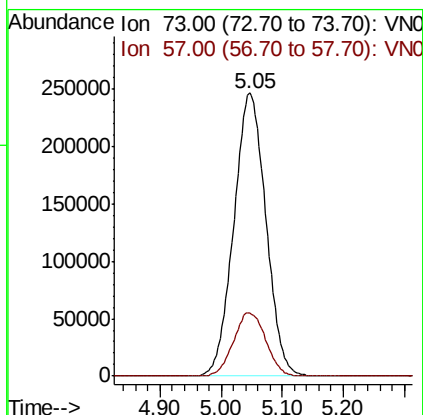
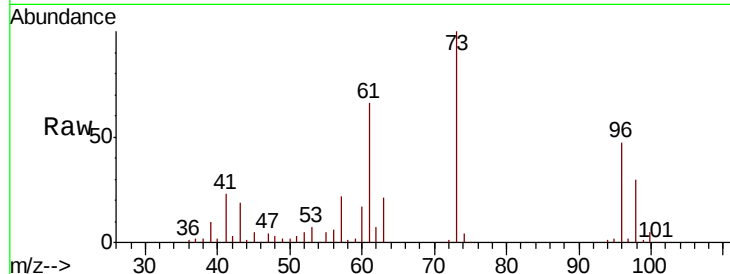




#19
Methyl tert-butyl Ether
Concen: 47.02 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

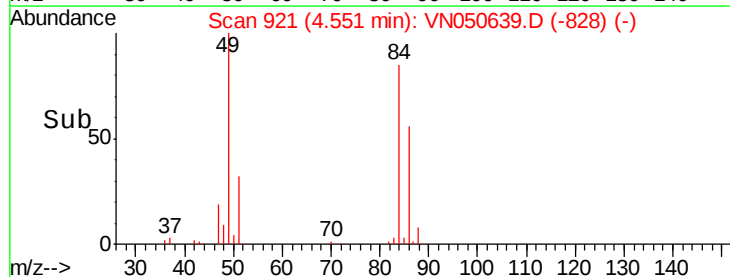
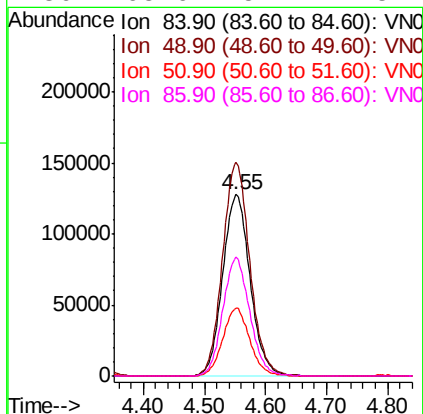
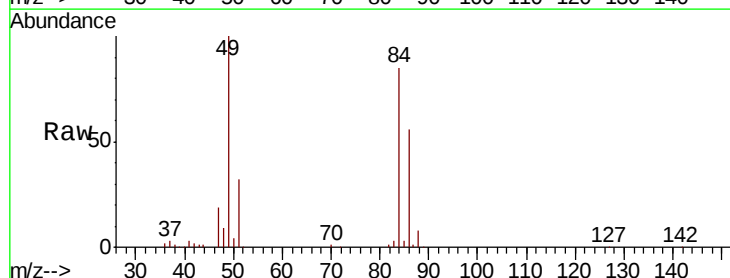
Instrument :
MSVOA_N
ClientSampleId :
948-MW-15(17)

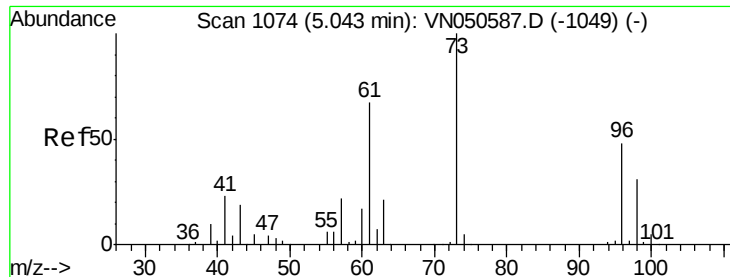
Tot Ion: 73 Resp: 901391
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9



#20
Methylene Chloride
Concen: 48.01 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Tgt Ion: 84 Resp: 399729
Ion Ratio Lower Upper
84 100
49 117.9 92.6 138.8
51 37.7 28.6 43.0
86 65.6 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 46.38 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

948-MW-15(17)

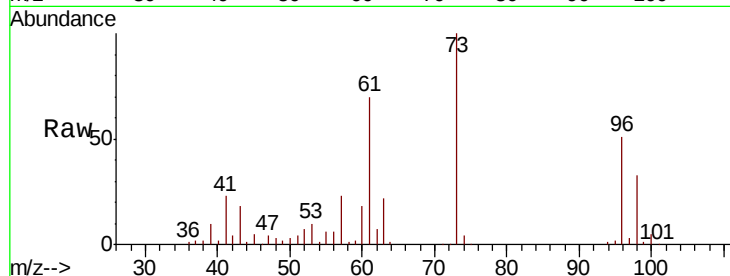
Tot Ion: 96 Resp: 378812

Ion Ratio Lower Upper

96 100

61 137.6 111.2 166.8

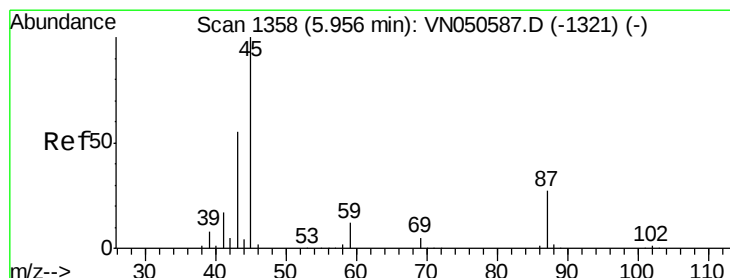
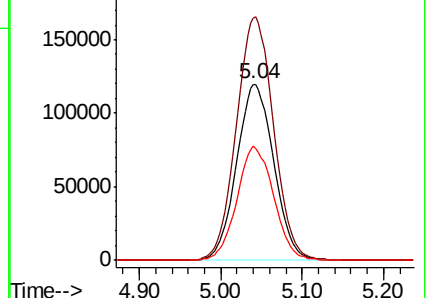
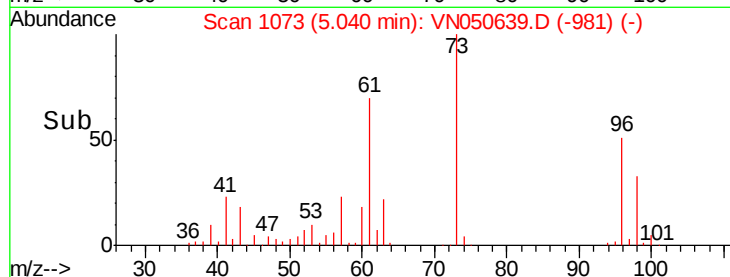
98 64.6 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VN050639.D (-981) (-)

Ion 60.90 (60.60 to 61.60): VN050639.D (-981) (-)

Ion 97.90 (97.60 to 98.60): VN050639.D (-981) (-)



#22

Diisopropyl ether

Concen: 48.70 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Tgt Ion: 45 Resp: 1170058

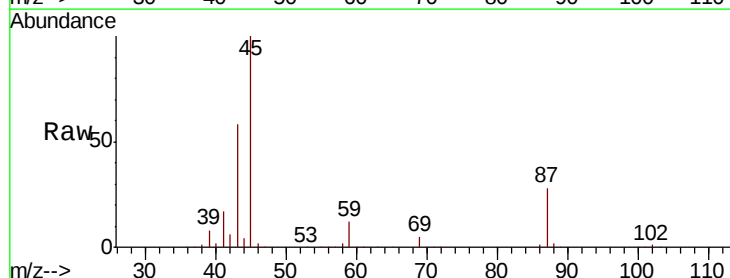
Ion Ratio Lower Upper

45 100

43 57.2 44.5 66.7

87 28.3 22.2 33.2

59 11.9 9.5 14.3

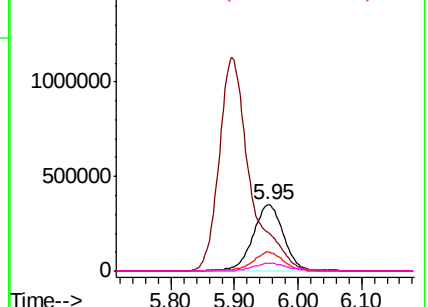
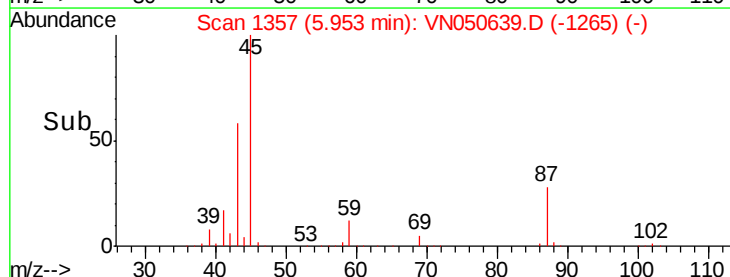


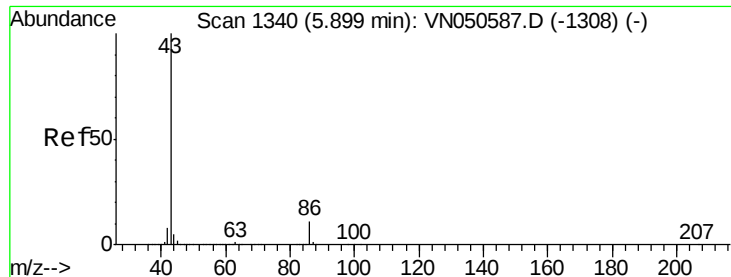
Abundance Ion 45.00 (44.70 to 45.70): VN050639.D (-1265) (-)

Ion 43.00 (42.70 to 43.70): VN050639.D (-1265) (-)

Ion 87.00 (86.70 to 87.70): VN050639.D (-1265) (-)

Ion 59.00 (58.70 to 59.70): VN050639.D (-1265) (-)





#23

Vinyl Acetate

Concen: 243.15 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

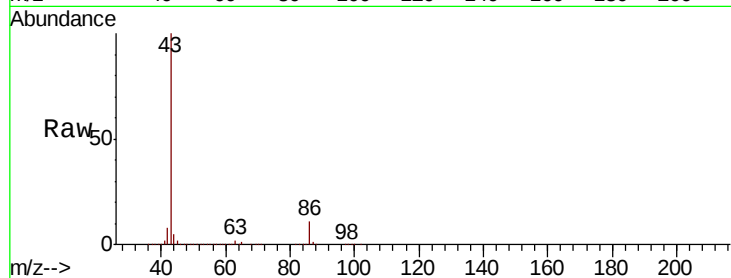
948-MW-15(17)

Tot Ion: 43 Resp: 3821187

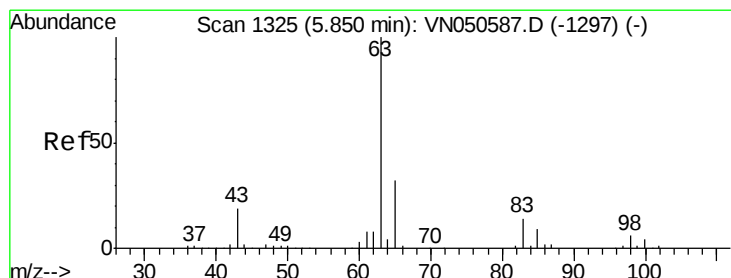
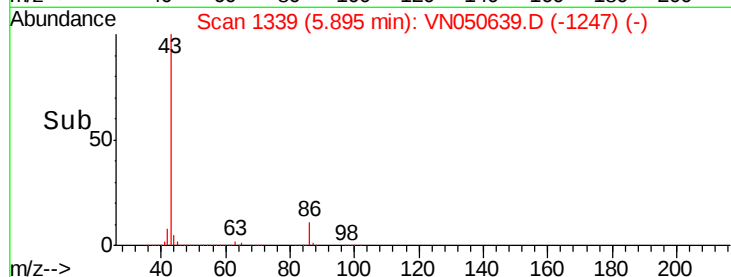
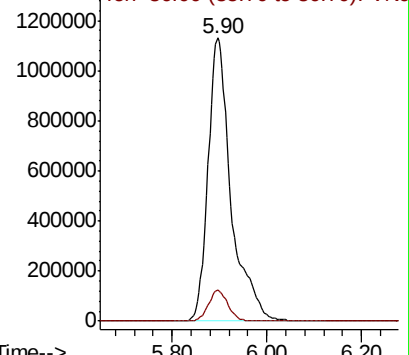
Ion Ratio Lower Upper

43 100

86 10.9 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-1308) (-)



#24

1,1-Dichloroethane

Concen: 44.91 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

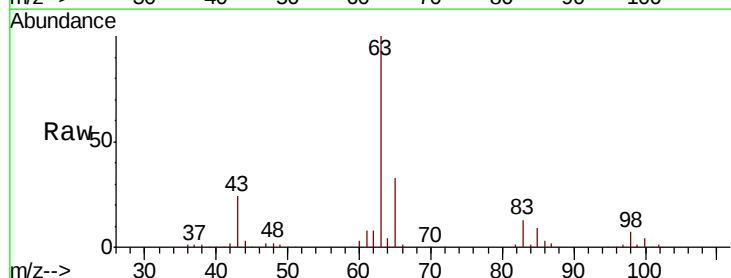
Tgt Ion: 63 Resp: 698134

Ion Ratio Lower Upper

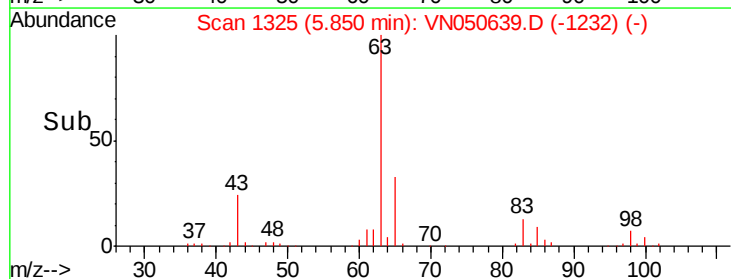
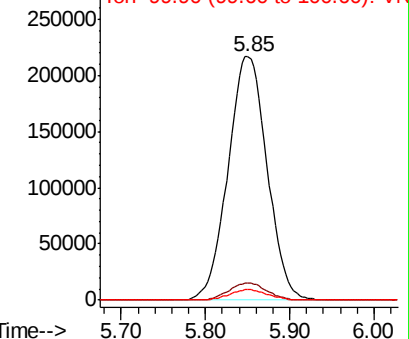
63 100

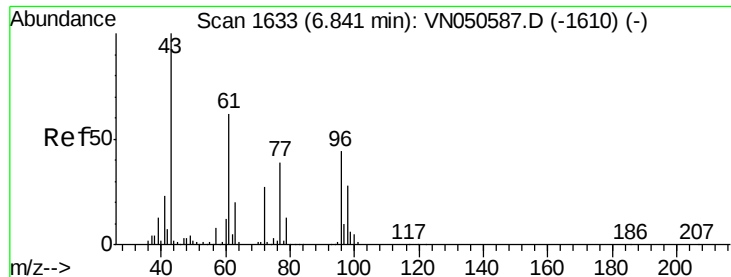
98 6.9 3.2 9.6

100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN050587.D (-1297) (-)

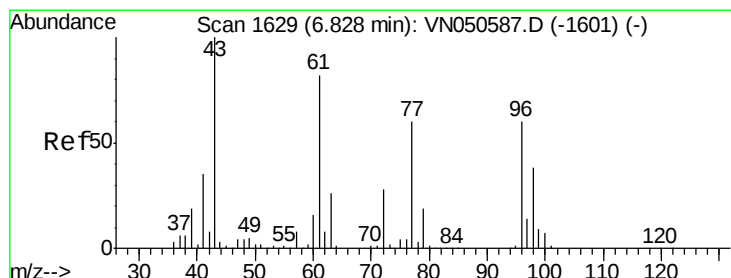
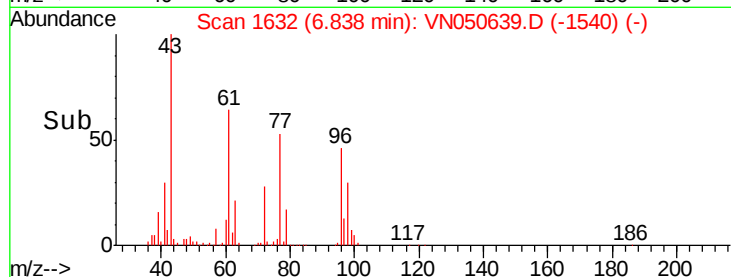
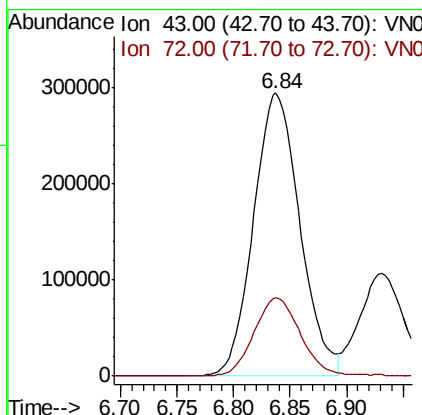
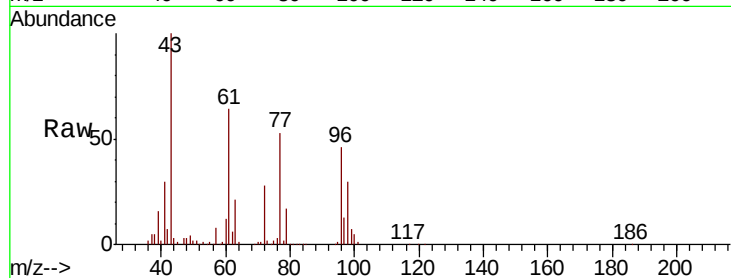




#25
 2-Butanone
 Concen: 233.68 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

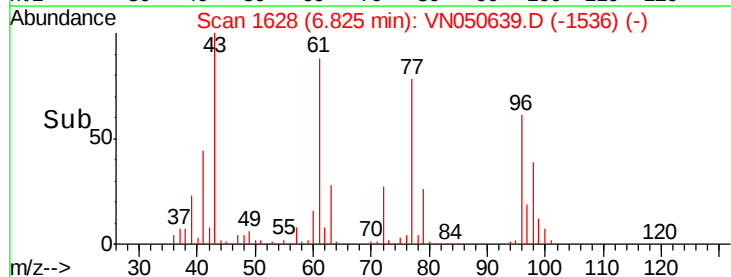
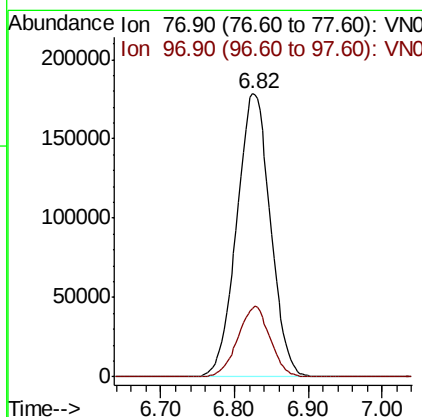
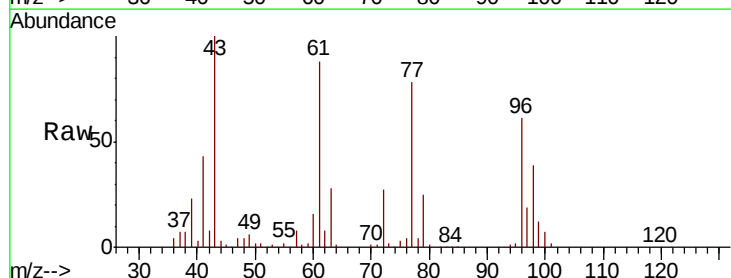
Instrument :
 MSVOA_N
 ClientSampleId :
 948-MW-15(17)

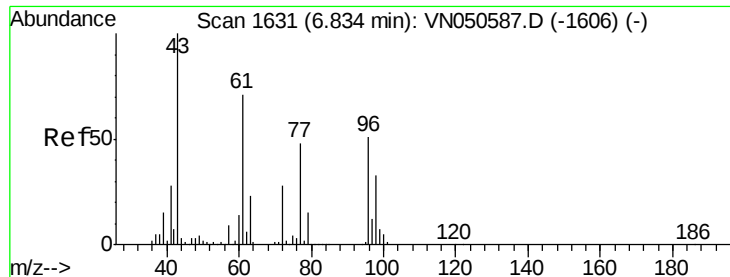
Tot Ion: 43 Resp: 838450
 Ion Ratio Lower Upper
 43 100
 72 27.7 21.8 32.6



#26
 2,2-Dichloropropane
 Concen: 54.58 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 77 Resp: 567883
 Ion Ratio Lower Upper
 77 100
 97 23.9 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 46.28 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

948-MW-15(17)

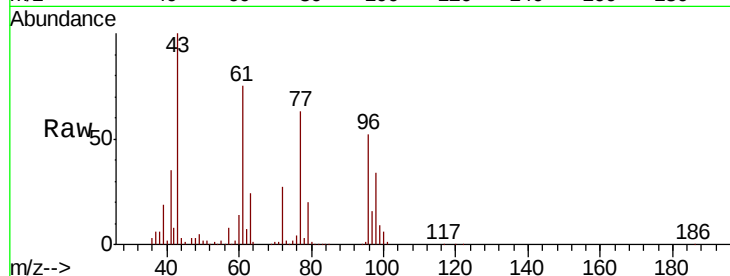
Tot Ion: 96 Resp: 420900

Ion Ratio Lower Upper

96 100

61 142.8 0.0 278.2

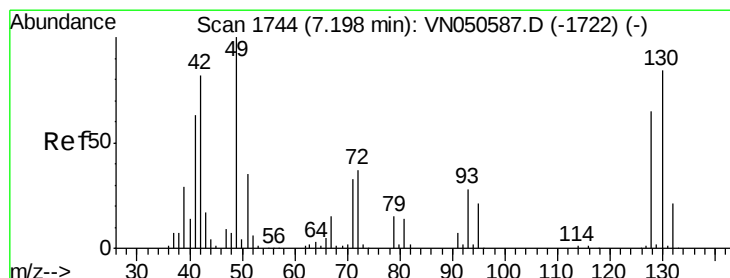
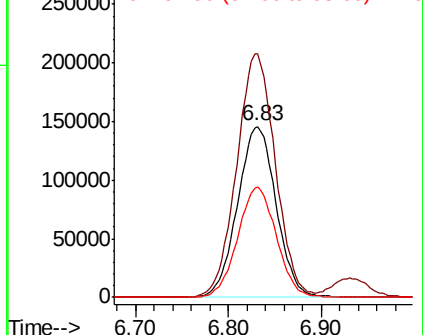
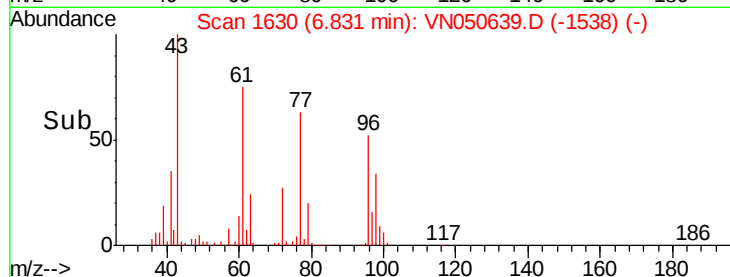
98 64.6 0.0 128.8



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: 46.93 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

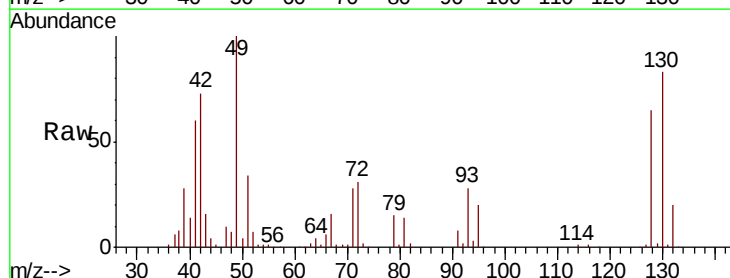
Tgt Ion: 49 Resp: 331998

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

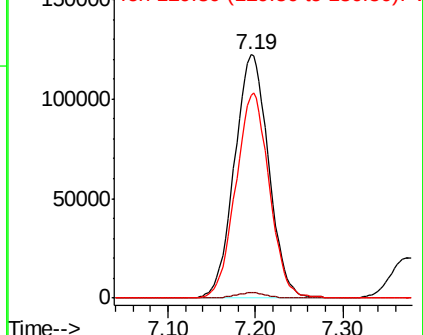
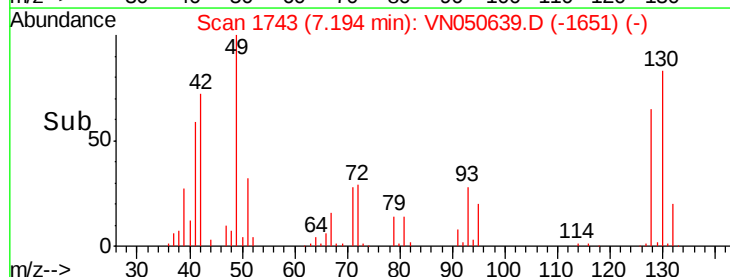
130 82.8 66.8 100.2

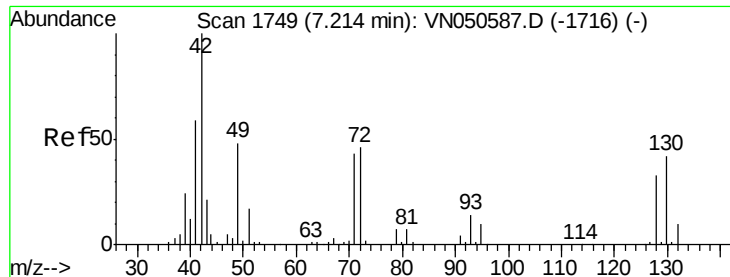


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

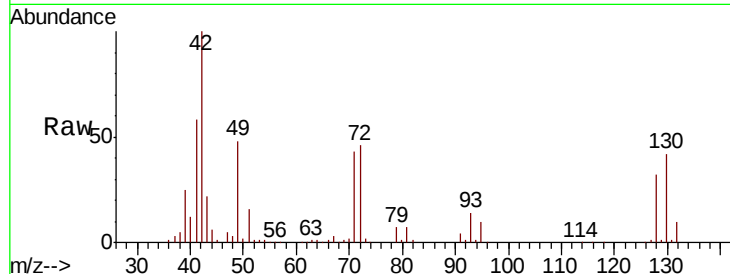




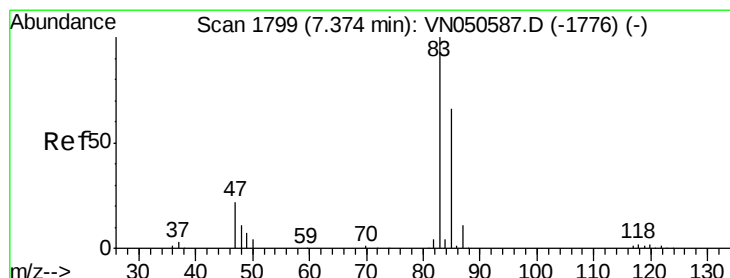
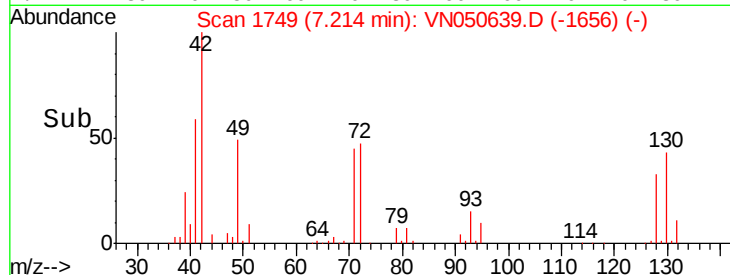
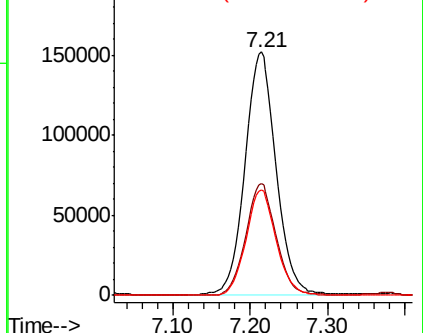
#29
Tetrahydrofuran
Concen: 228.89 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
948-MW-15(17)

Tot Ion: 42 Resp: 428816
Ion Ratio Lower Upper
42 100
72 44.7 35.8 53.6
71 41.9 33.4 50.0

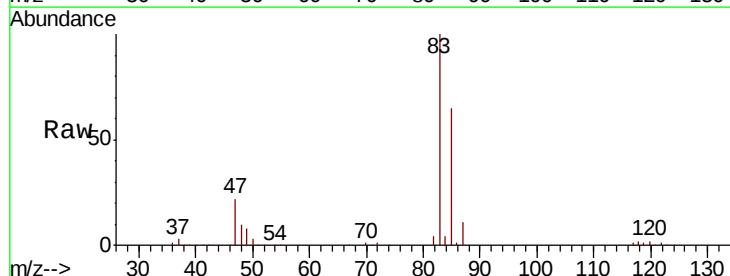


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

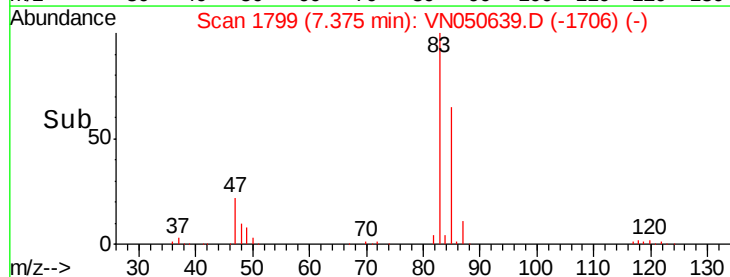
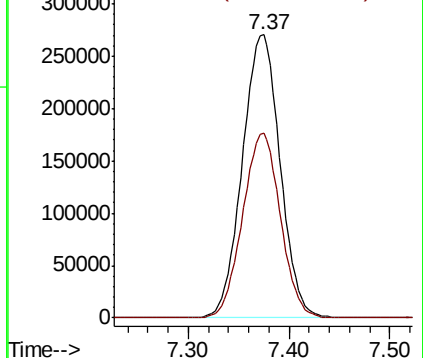


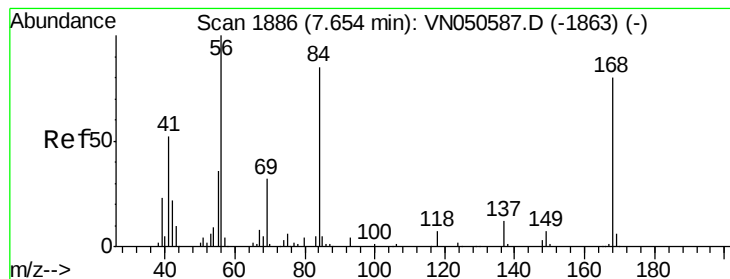
#30
Chloroform
Concen: 44.53 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Tgt Ion: 83 Resp: 701440
Ion Ratio Lower Upper
83 100
85 65.4 52.5 78.7



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





#31

Cyclohexane

Concen: 48.03 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

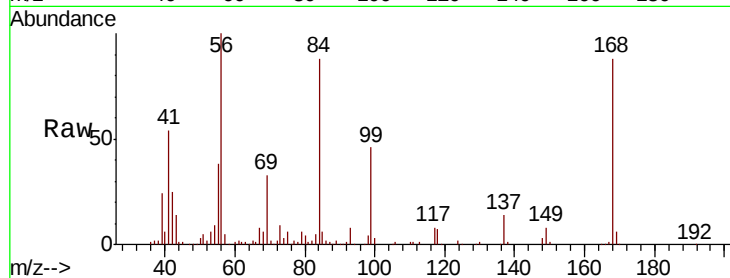
Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
948-MW-15(17)

Tot Ion: 56 Resp: 637367

Ion	Ratio	Lower	Upper
56	100		
69	32.7	25.8	38.6
84	86.5	67.8	101.6

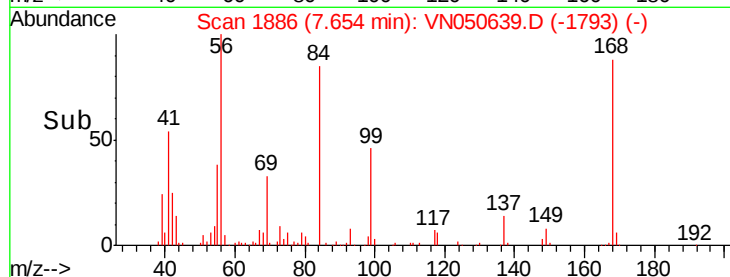


Abundance

Ion 56.00 (55.70 to 56.70): VN0

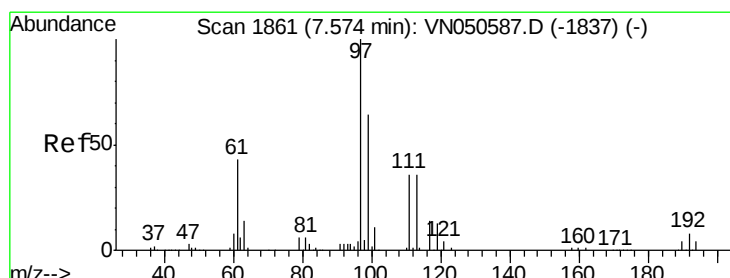
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Abundance

Time-->



#32

1,1,1-Trichloroethane

Concen: 45.22 ug/l

RT: 7.57 min Scan# 1860

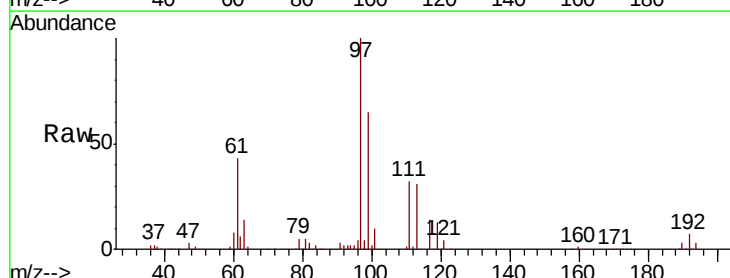
Delta R.T. -0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Tgt Ion: 97 Resp: 599563

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.1	76.7
61	43.6	34.8	52.2

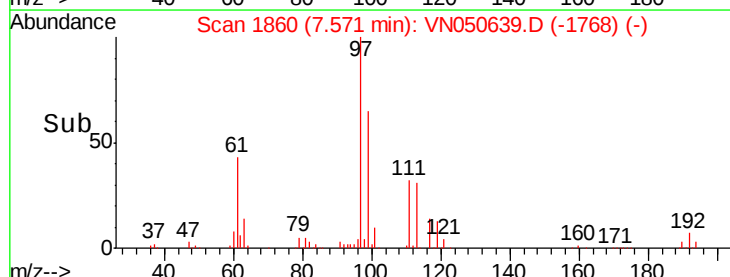


Abundance

Ion 96.90 (96.60 to 97.60): VN0

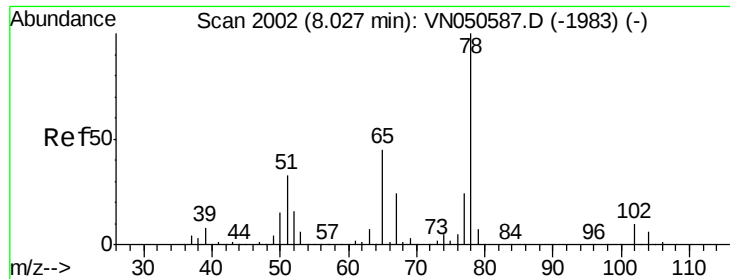
Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0



Abundance

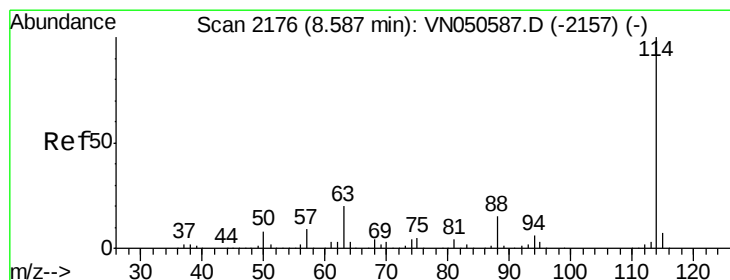
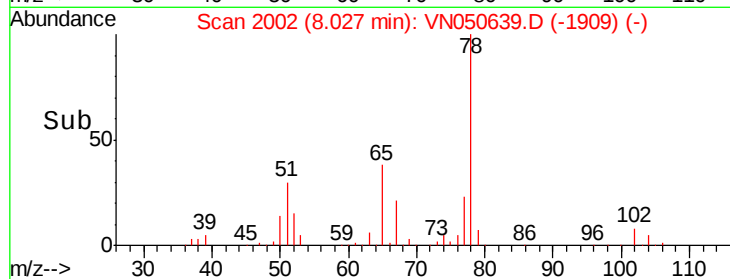
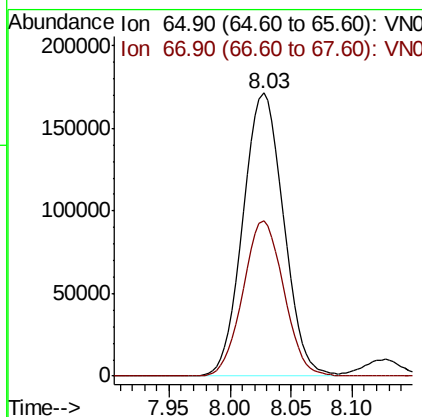
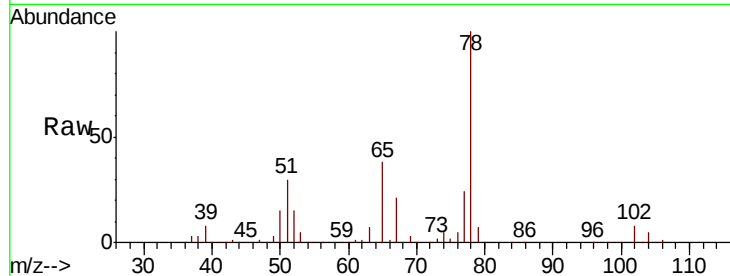
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 45.19 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

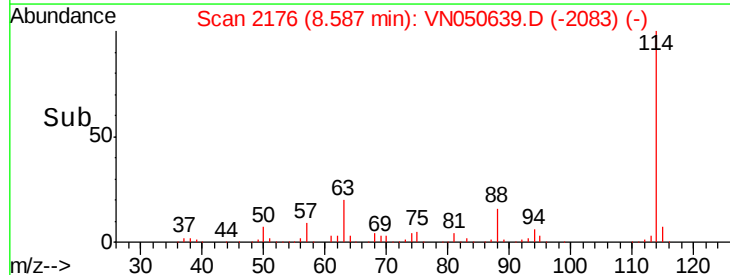
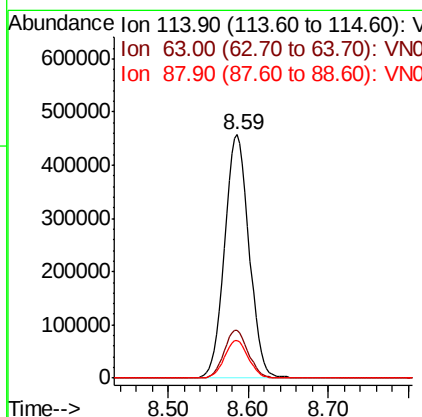
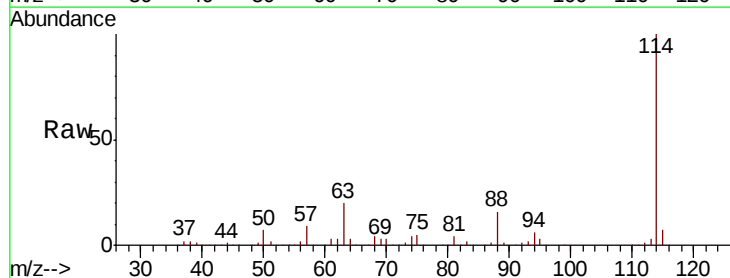
Instrument :
 MSVOA_N
 ClientSampleId :
 948-MW-15(17)

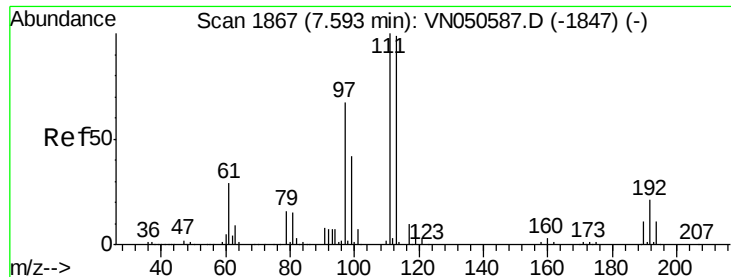
Tot Ion: 65 Resp: 395466
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 114 Resp: 958096
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.5 0.0 30.8

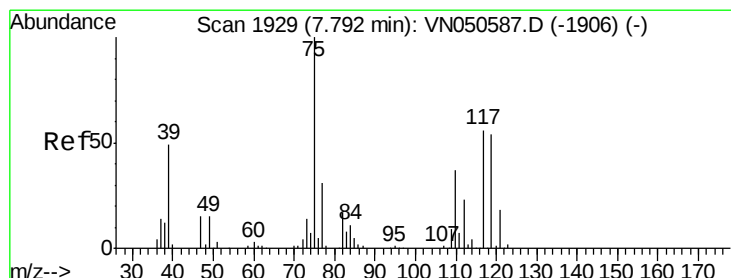
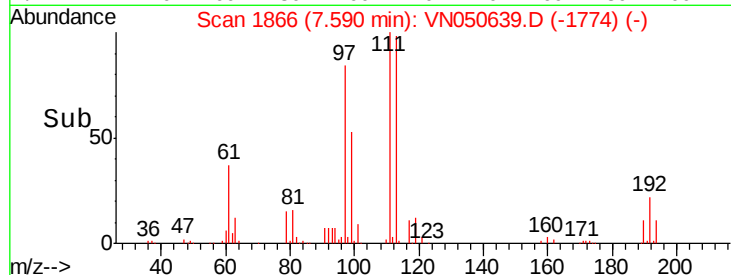
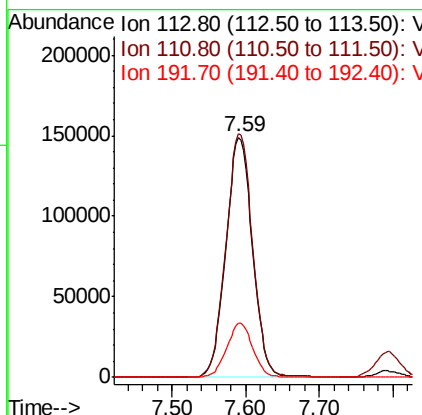
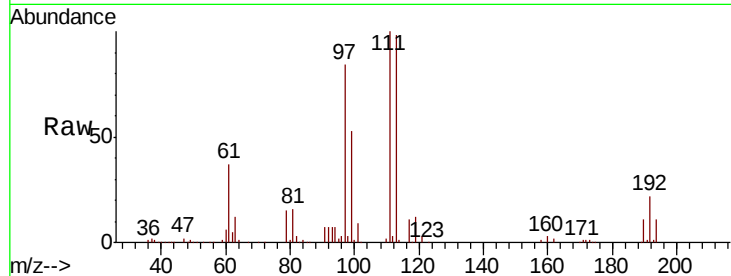




#35
 Dibromofluoromethane
 Concen: 48.80 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

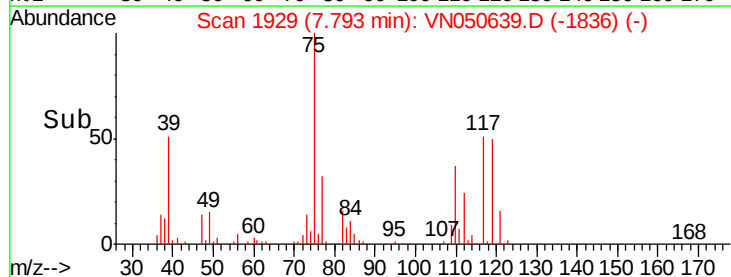
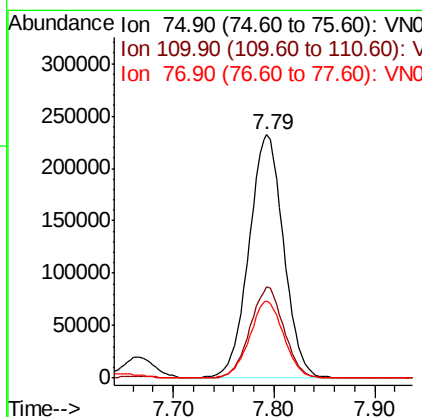
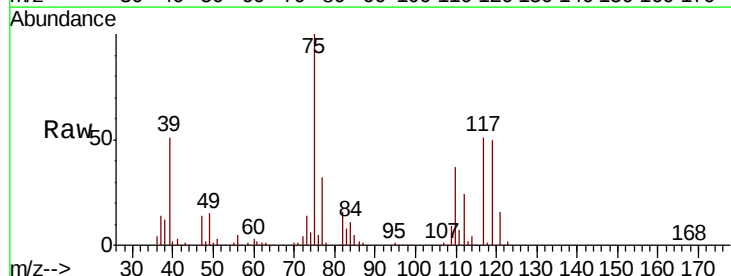
Instrument :
 MSVOA_N
 ClientSampleId :
 948-MW-15(17)

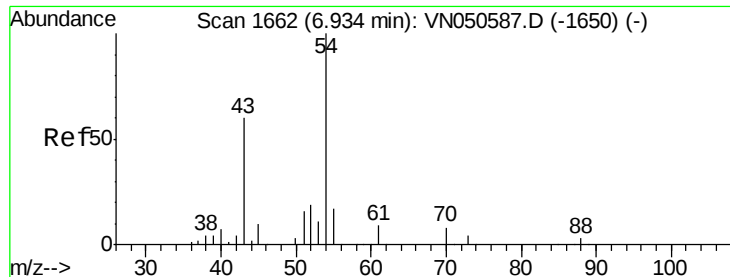
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.0	121.6
192	22.1	17.6	26.4



#36
 1,1-Dichloropropene
 Concen: 51.46 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.3	54.9
77	31.3	25.0	37.4

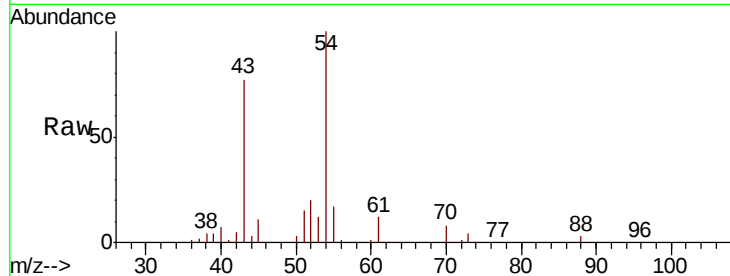




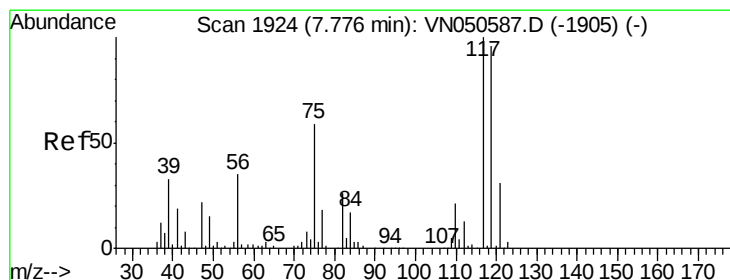
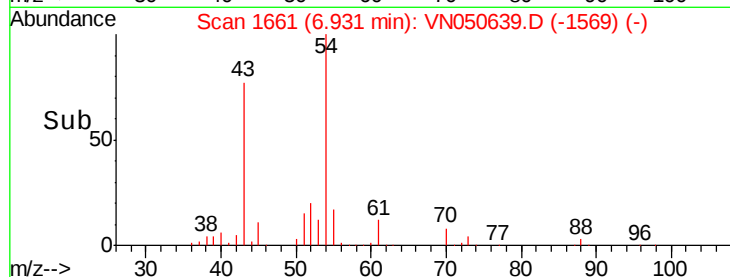
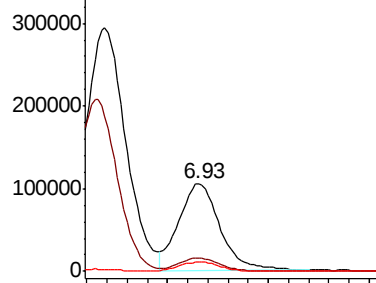
#37
Ethyl Acetate
Concen: 49.73 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Instrument :
MSVOA_N
ClientSampleId :
948-MW-15(17)

Tot Ion: 43 Resp: 299784
Ion Ratio Lower Upper
43 100
61 14.8 12.0 18.0
70 10.7 8.5 12.7

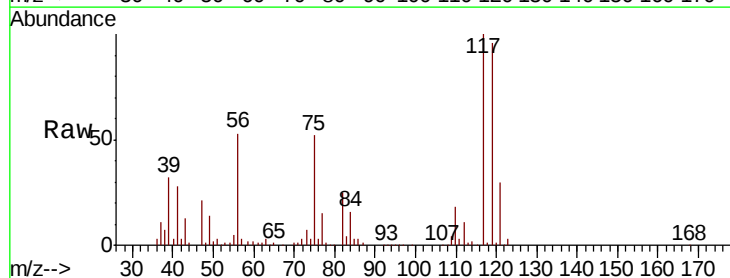


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

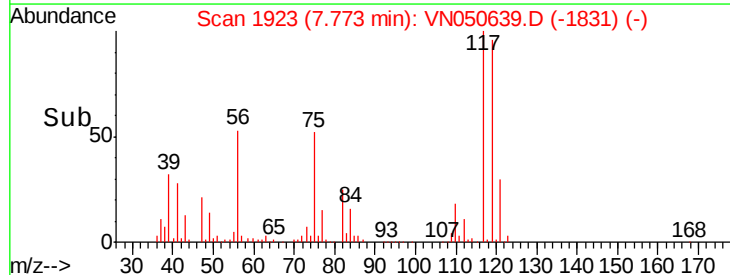
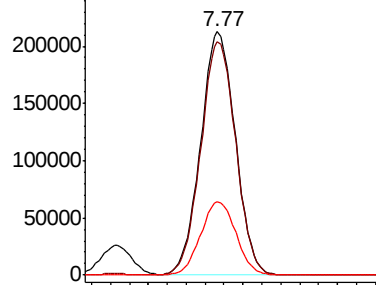


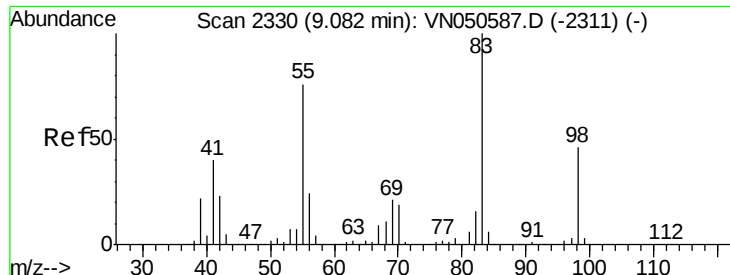
#38
Carbon Tetrachloride
Concen: 48.87 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Tgt Ion: 117 Resp: 540750
Ion Ratio Lower Upper
117 100
119 95.9 76.6 115.0
121 30.1 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

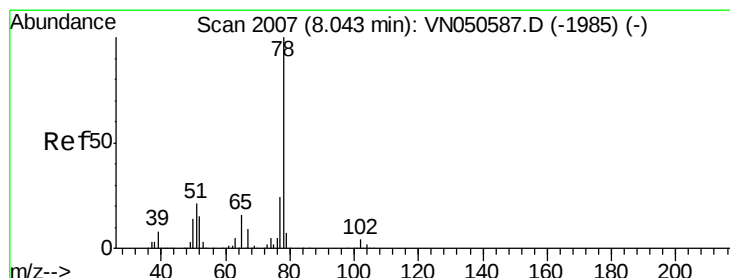
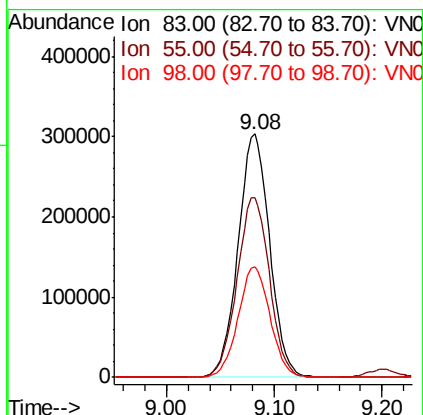
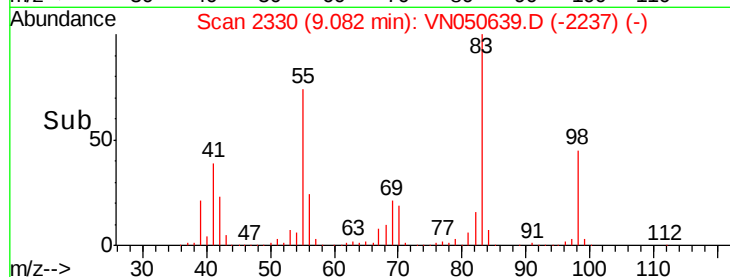
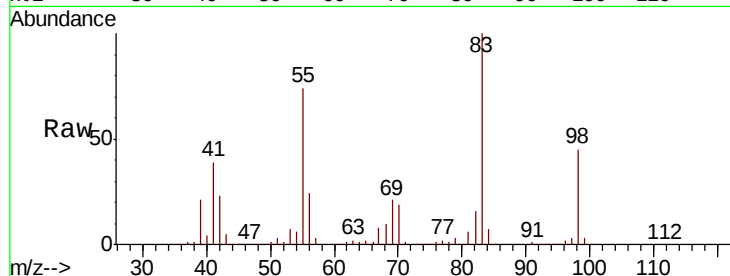




#39
Methvlcvclohexane
Concen: 56.02 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

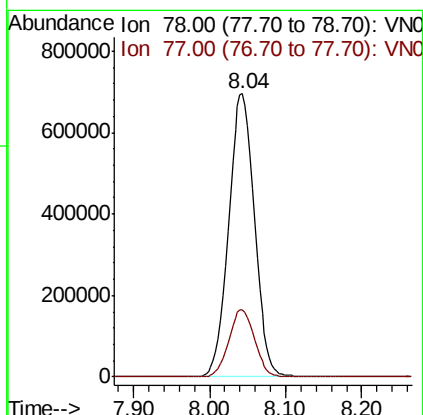
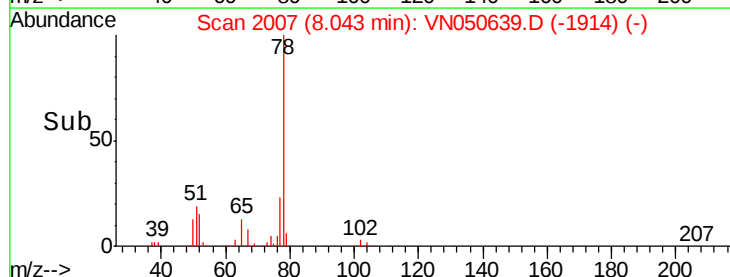
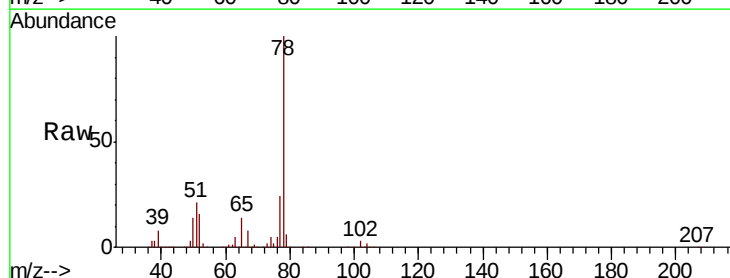
Instrument :
MSVOA_N
ClientSampleId :
948-MW-15(17)

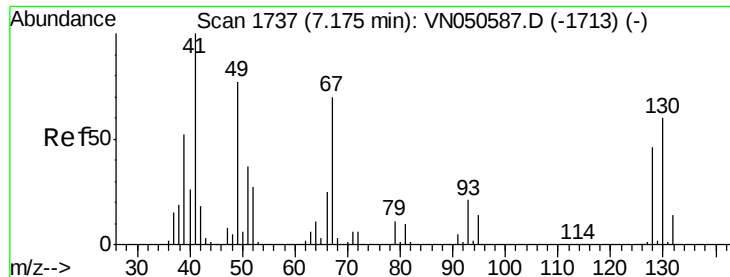
Tot Ion: 83 Resp: 618555
Ion Ratio Lower Upper
83 100
55 74.0 60.6 91.0
98 45.4 37.0 55.4



#40
Benzene
Concen: 50.65 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Tgt Ion: 78 Resp: 1643350
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6

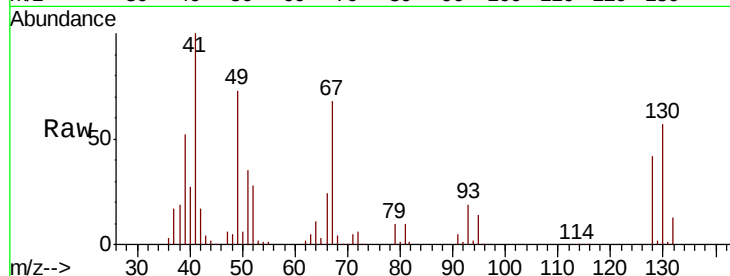




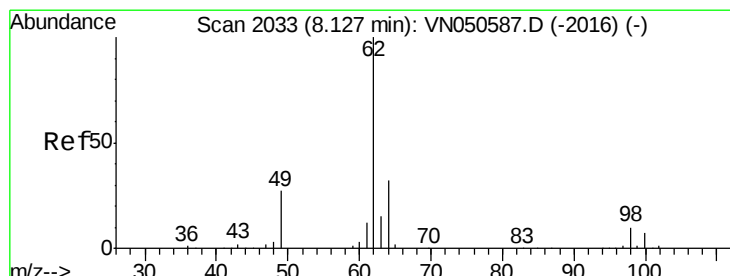
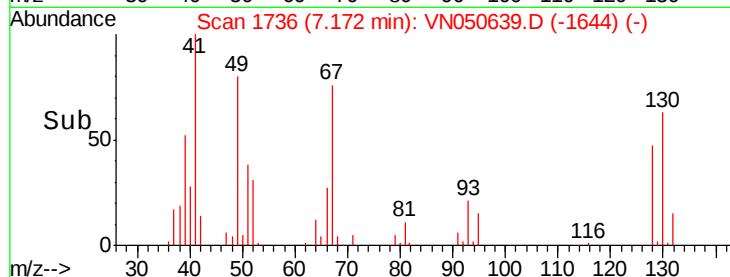
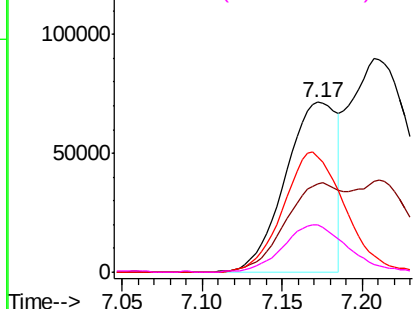
#41
Methacrylonitrile
Concen: 49.28 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Instrument :
MSVOA_N
ClientSampled :
948-MW-15(17)

Tot Ion:	41	Resp:	160610
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	66.8
67	84.5	66.7	100.1
52	34.4	26.5	39.7

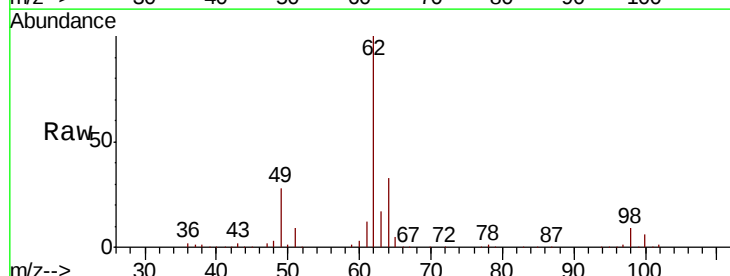


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

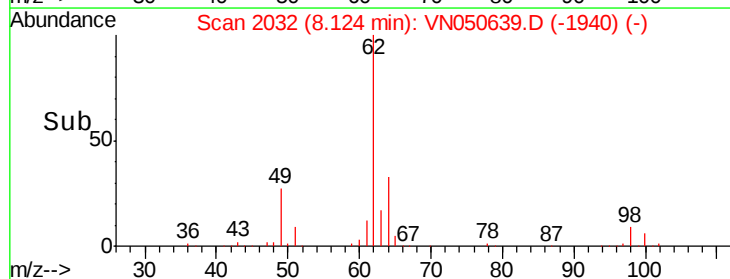
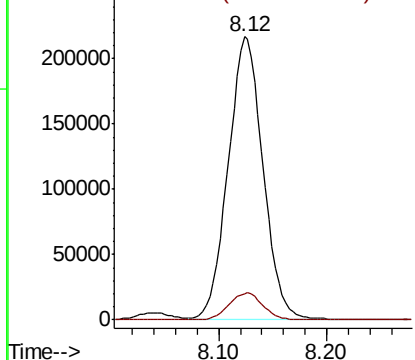


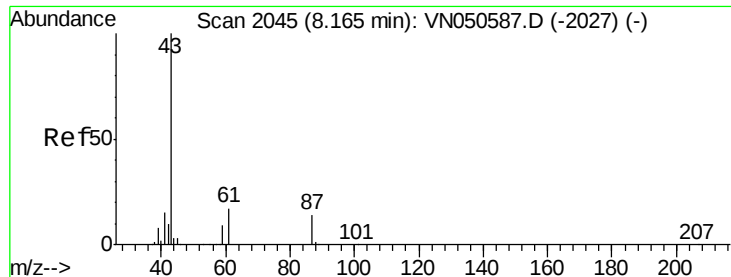
#42
1,2-Dichloroethane
Concen: 48.84 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Tgt Ion:	62	Resp:	485722
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4



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





#43

Isopropyl Acetate

Concen: 47.31 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

948-MW-15(17)

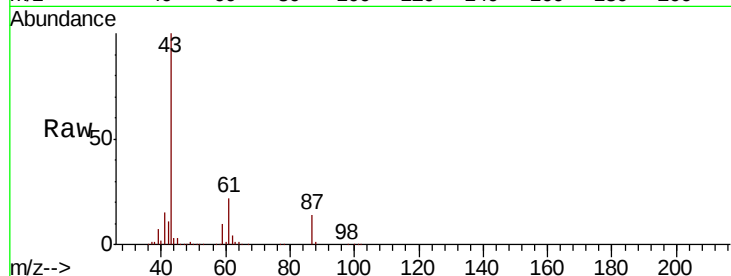
Tot Ion: 43 Resp: 519814

Ion Ratio Lower Upper

43 100

61 21.3 16.2 24.2

87 14.0 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050587.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050587.D (-2027) (-)

8.17

250000

200000

150000

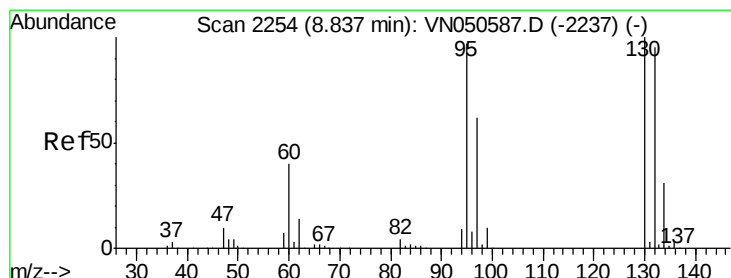
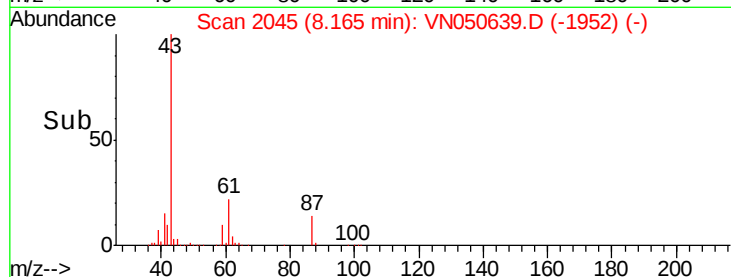
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 49.37 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050639.D

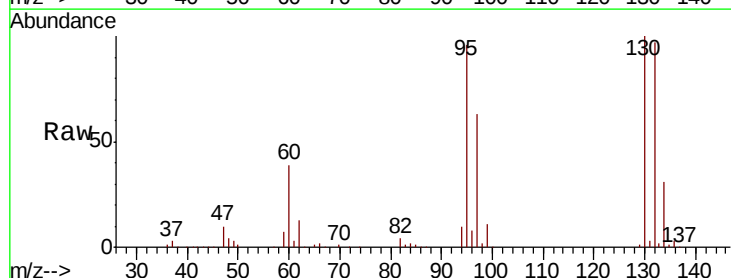
Acq: 15 Aug 2018 8:26

Tgt Ion:130 Resp: 429118

Ion Ratio Lower Upper

130 100

95 96.1 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): VN050587.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050587.D (-2237) (-)

8.84

200000

150000

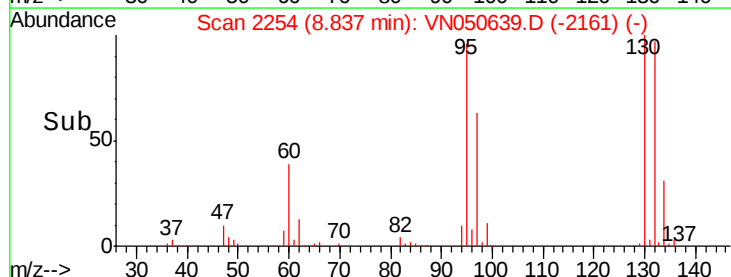
100000

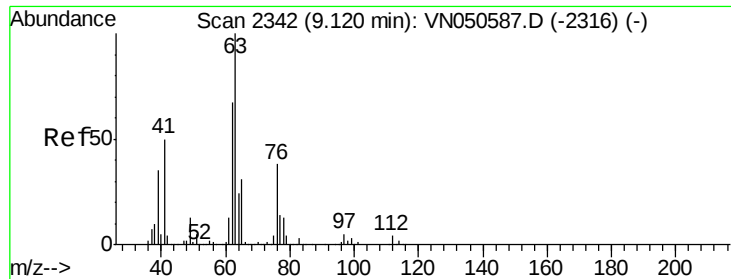
50000

0

8.80 8.90

Time-->

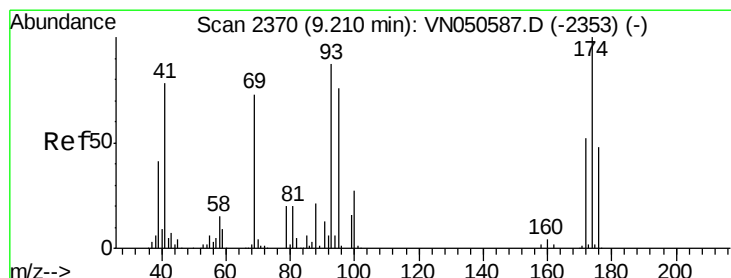
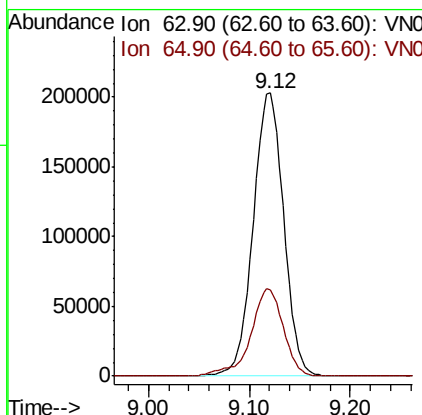
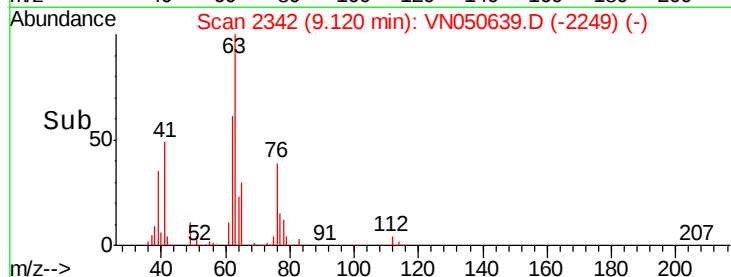
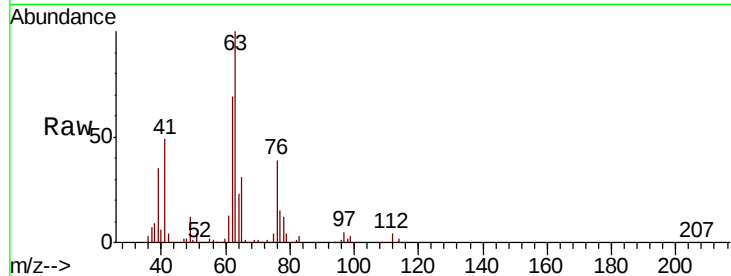




#45
 1,2-Dichloropropane
 Concen: 49.27 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

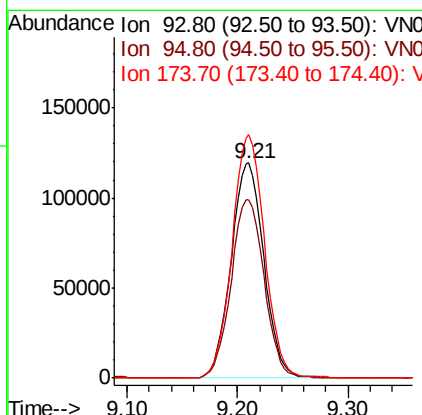
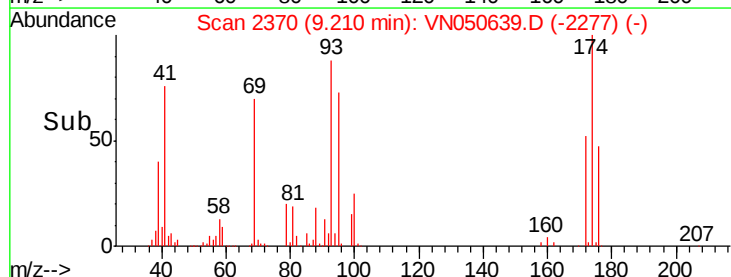
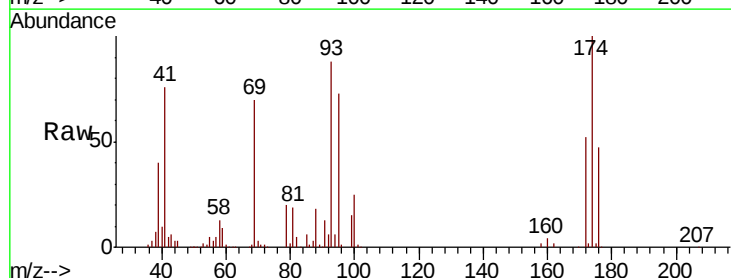
Instrument :
 MSVOA_N
 ClientSampleId :
 948-MW-15(17)

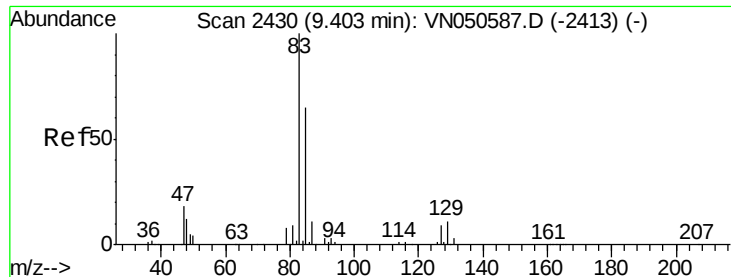
Tot Ion: 63 Resp: 425550
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.5 36.7



#46
 Dibromomethane
 Concen: 48.36 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 93 Resp: 246647
 Ion Ratio Lower Upper
 93 100
 95 83.5 69.1 103.7
 174 112.3 91.0 136.6





#47

Bromodichloromethane

Concen: 49.40 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

948-MW-15(17)

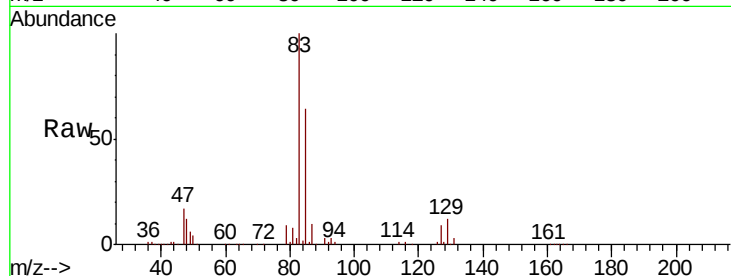
Tot Ion: 83 Resp: 538493

Ion Ratio Lower Upper

83 100

85 63.9 51.8 77.6

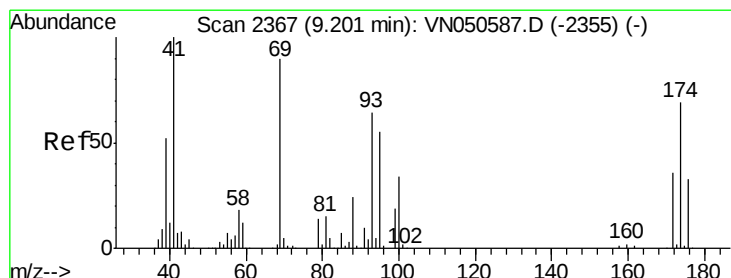
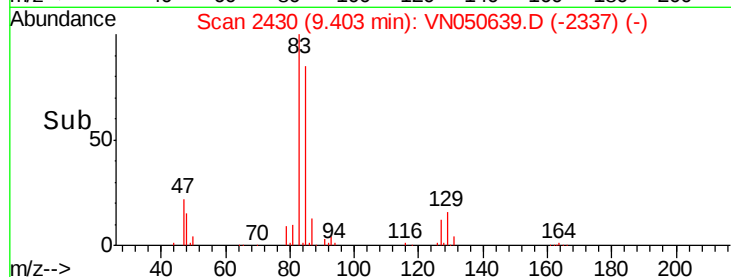
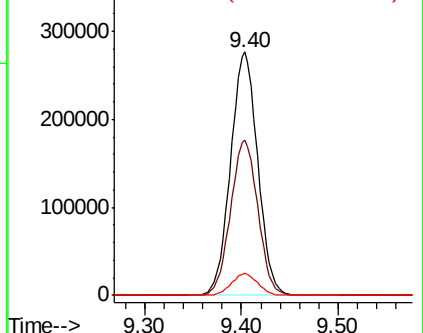
127 8.9 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN050639.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050639.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050639.D (-2337) (-)



#48

Methyl methacrylate

Concen: 47.64 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

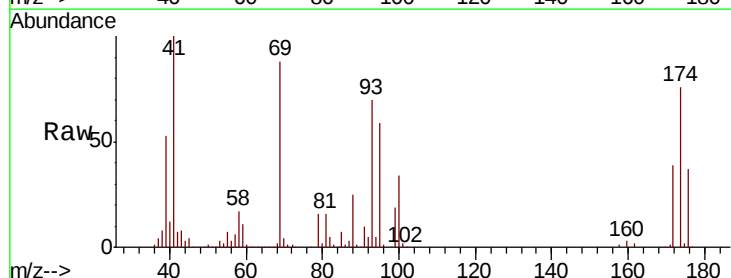
Tgt Ion: 41 Resp: 263384

Ion Ratio Lower Upper

41 100

69 94.1 73.4 110.0

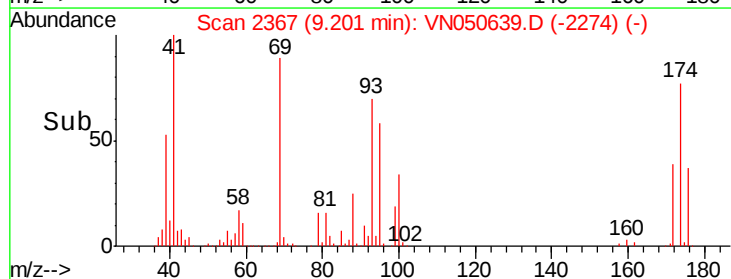
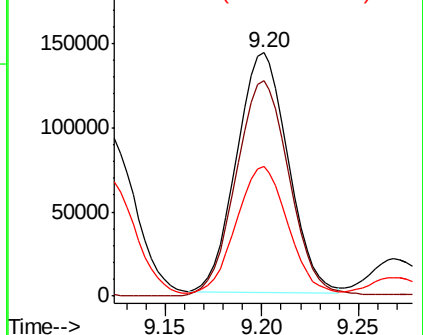
39 55.0 43.0 64.6

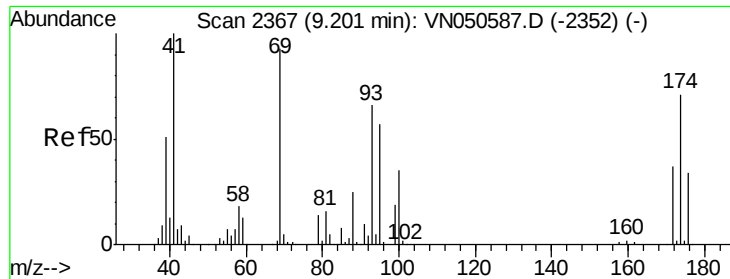


Abundance Ion 41.00 (40.70 to 41.70): VN050639.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN050639.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN050639.D (-2274) (-)





#49

1,4-Dioxane

Concen: 967.64 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

948-MW-15(17)

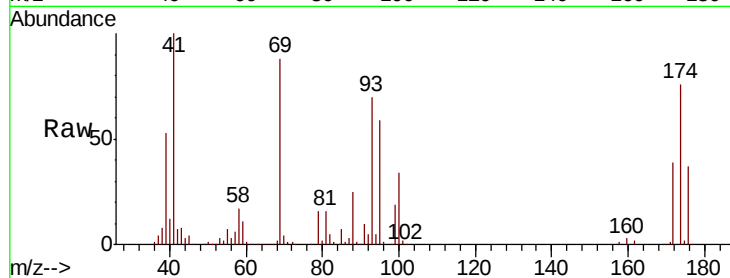
Tot Ion: 88 Resp: 70472

Ion Ratio Lower Upper

88 100

43 31.8 25.9 38.9

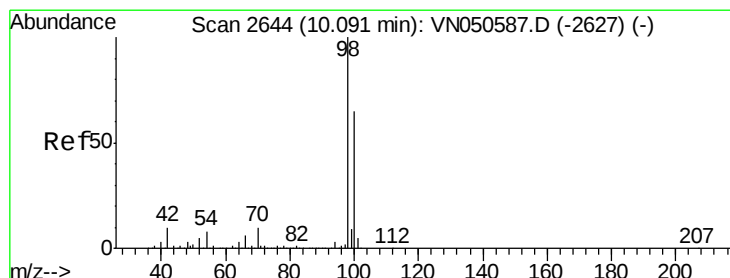
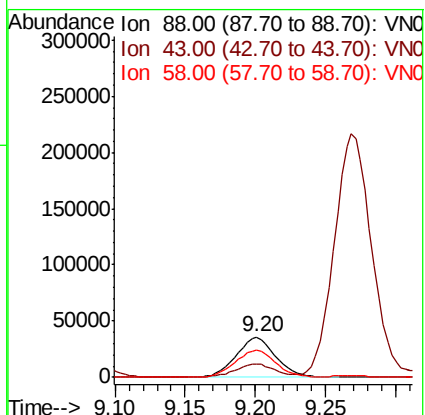
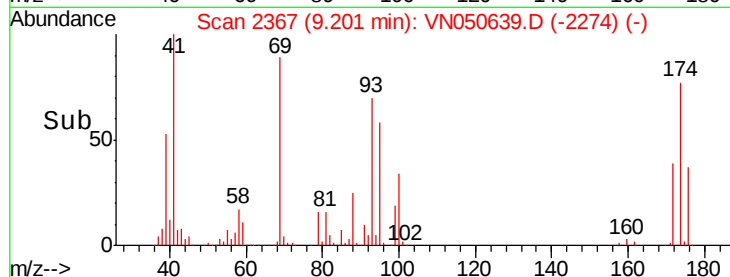
58 69.1 56.5 84.7



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: 49.49 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050639.D

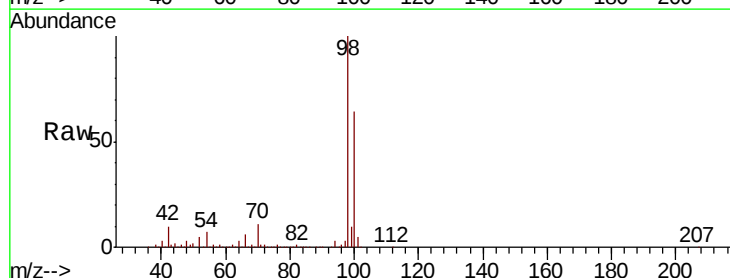
Acq: 15 Aug 2018 8:26

Tgt Ion: 98 Resp: 1424657

Ion Ratio Lower Upper

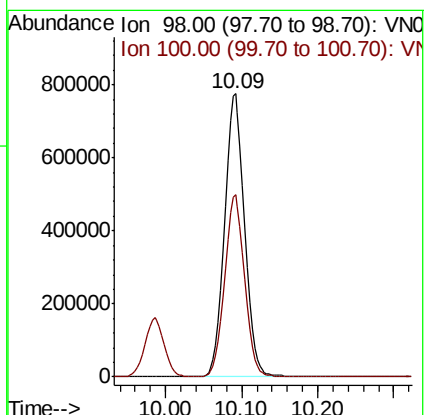
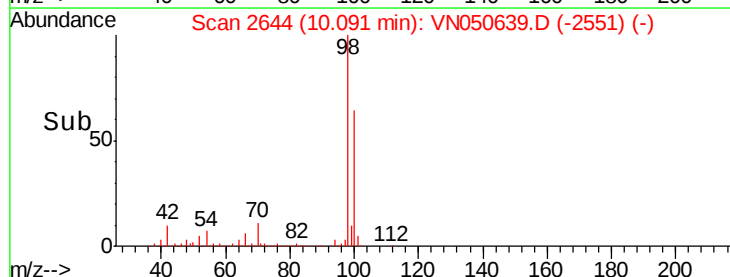
98 100

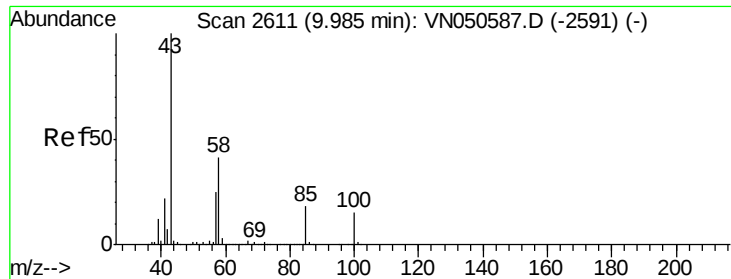
100 64.2 51.8 77.8



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: 248.12 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

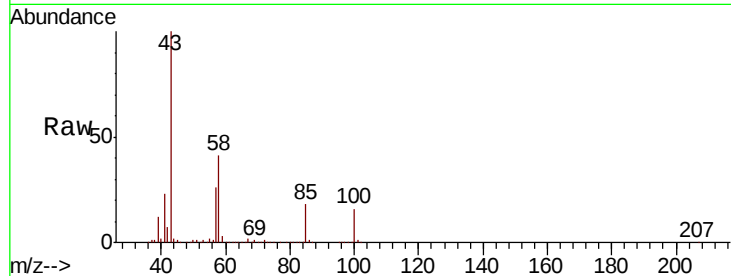
948-MW-15(17)

Tot Ion: 43 Resp: 1843658

Ion Ratio Lower Upper

43 100

58 40.8 32.5 48.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1200000

1000000

800000

600000

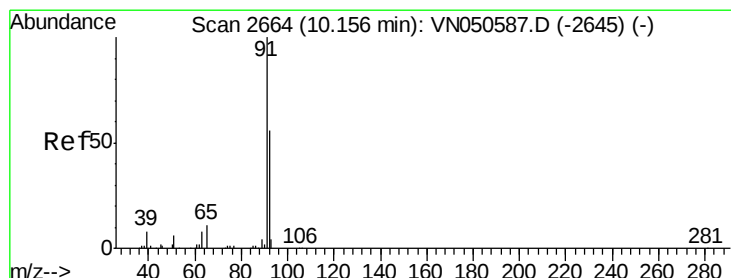
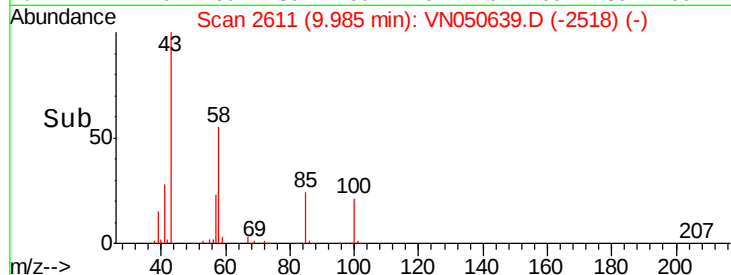
400000

200000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 52.15 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050639.D

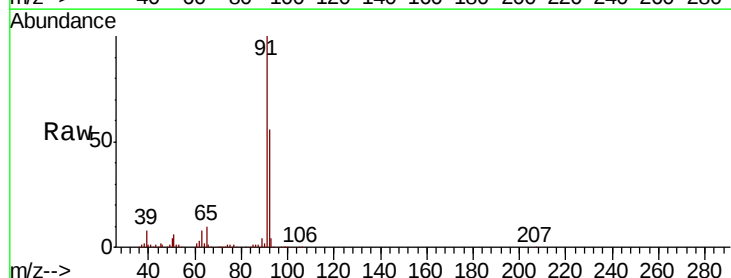
Acq: 15 Aug 2018 8:26

Tgt Ion: 92 Resp: 1010366

Ion Ratio Lower Upper

92 100

91 177.3 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

1000000

800000

600000

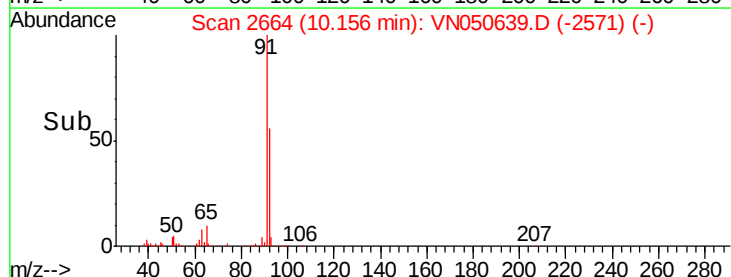
400000

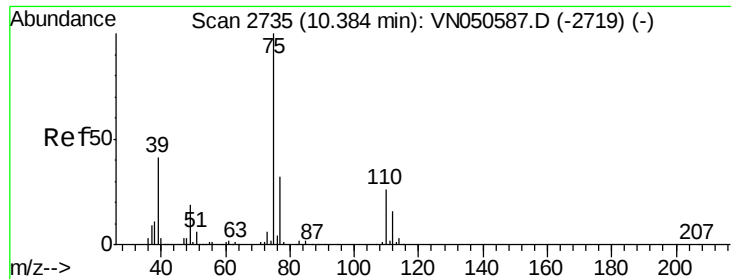
200000

0

10.10 10.16 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.71 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

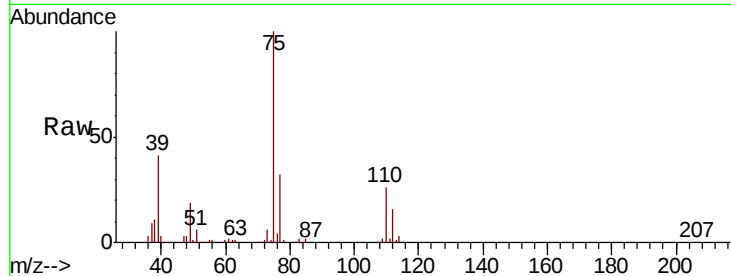
948-MW-15(17)

Tot Ion: 75 Resp: 535212

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

300000

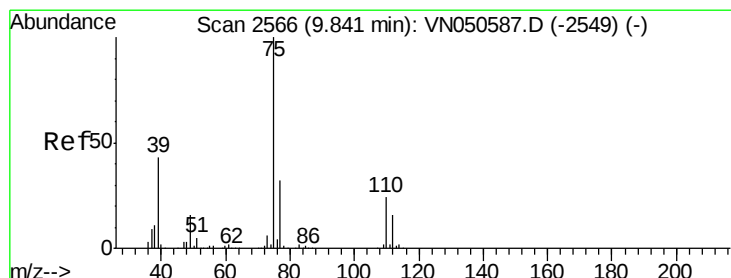
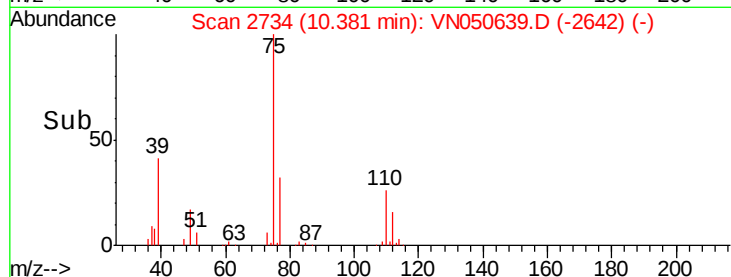
200000

100000

0

Time-->

10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 54.02 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

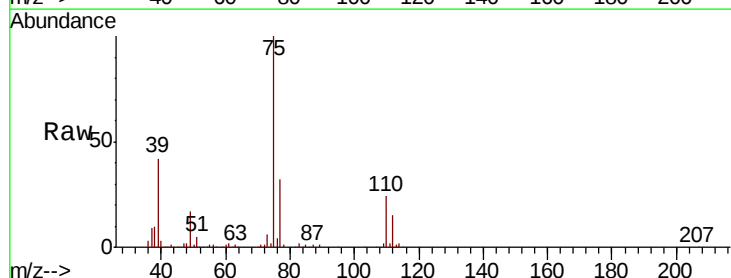
Tgt Ion: 75 Resp: 629225

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

39 42.1 34.4 51.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

300000

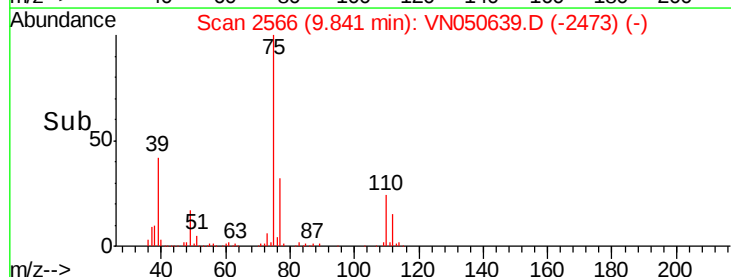
200000

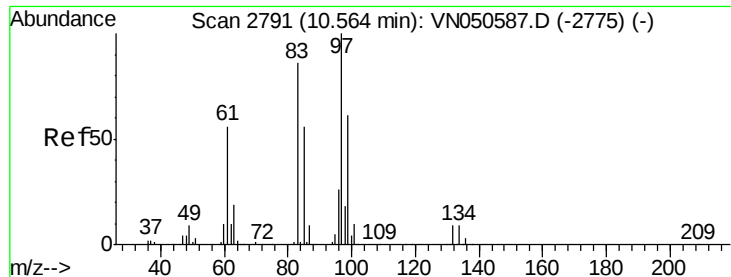
100000

0

Time-->

9.70 9.80 9.90 10.00





#55

1,1,2-Trichloroethane

Concen: 48.43 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampled :

948-MW-15(17)

Tot Ion: 97 Resp: 350469

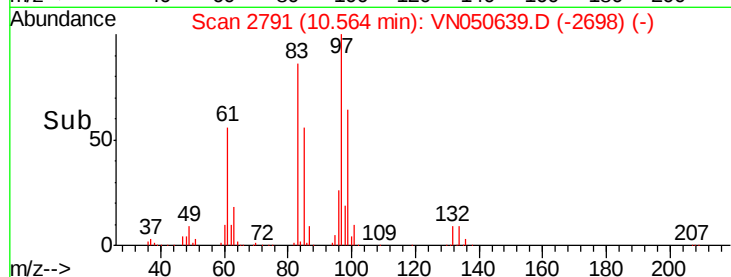
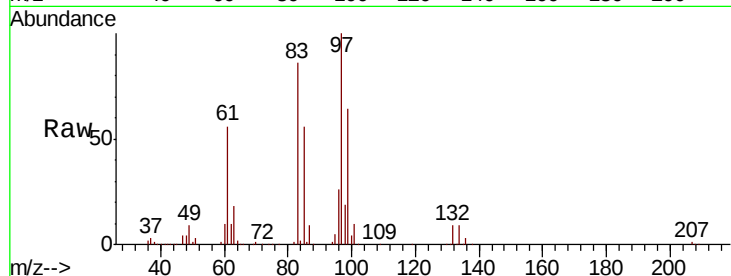
Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.5	102.7
85	56.1	44.6	66.8
99	63.7	49.1	73.7

97 100

83 86.0 68.5 102.7

85 56.1 44.6 66.8

99 63.7 49.1 73.7

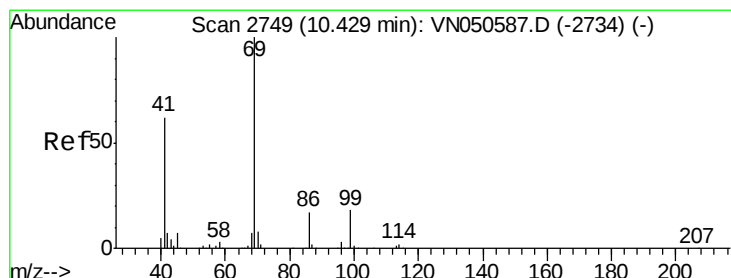
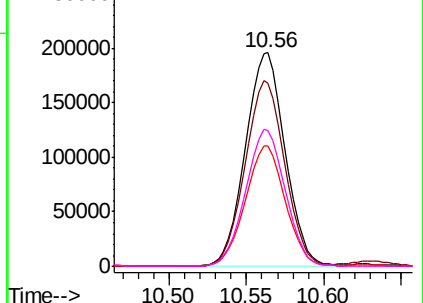


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 46.51 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

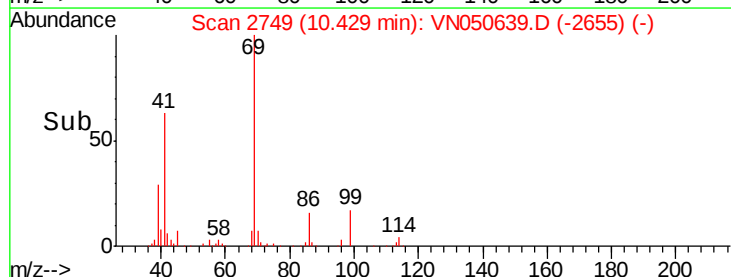
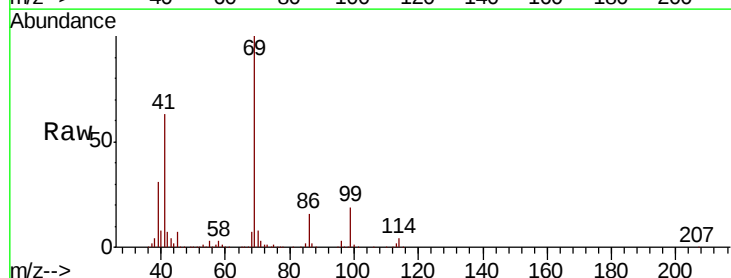
Tgt Ion: 69 Resp: 428161

Ion	Ratio	Lower	Upper
69	100		
41	63.5	49.7	74.5
39	30.9	24.2	36.2

69 100

41 63.5 49.7 74.5

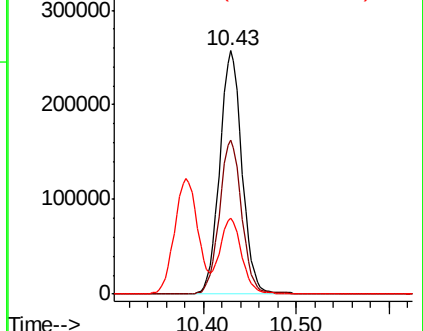
39 30.9 24.2 36.2

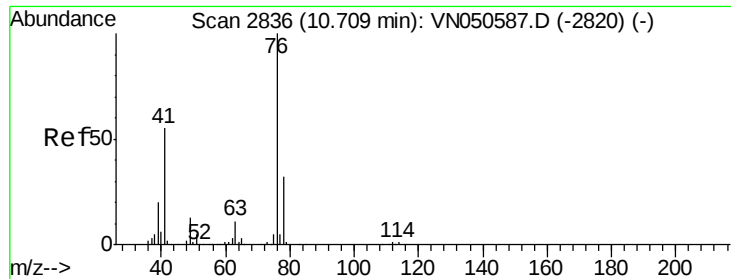


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.11 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

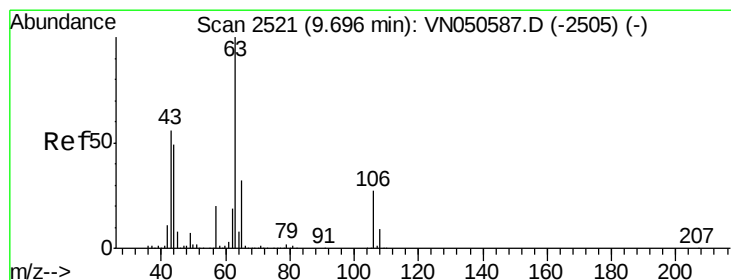
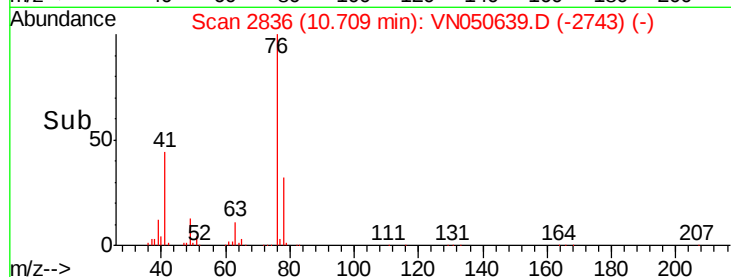
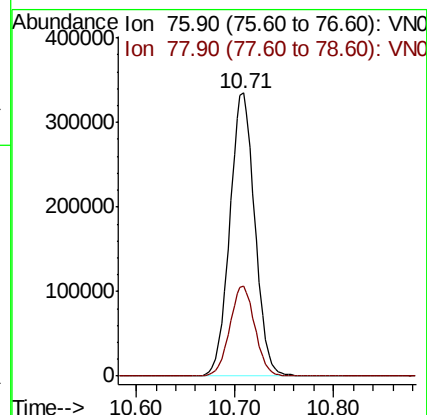
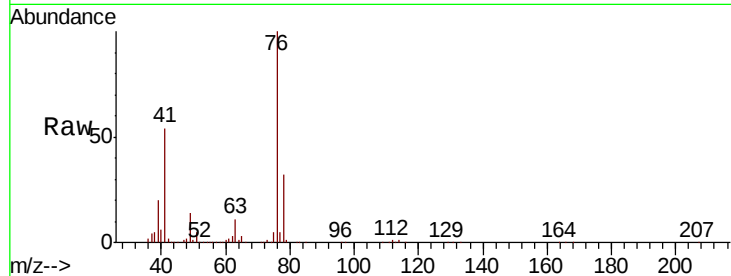
948-MW-15(17)

Tot Ion: 76 Resp: 594599

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 232.39 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050639.D

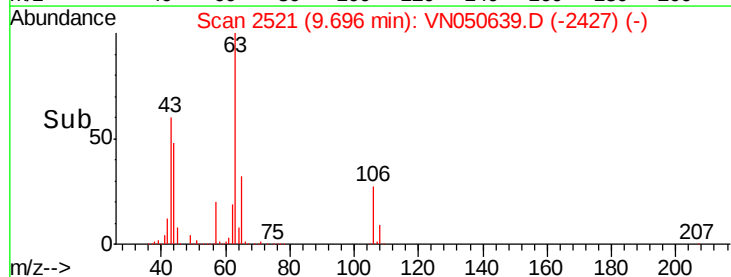
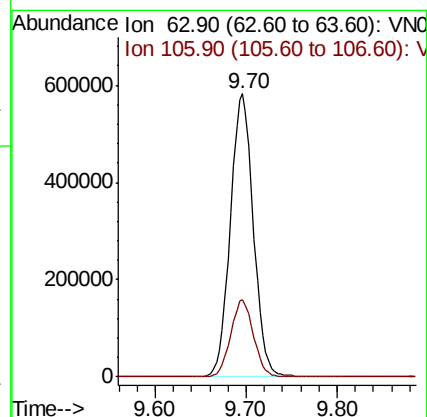
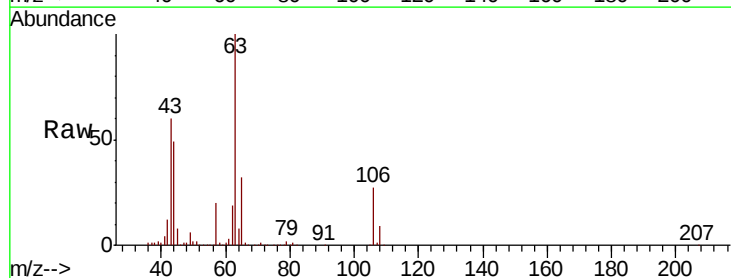
Acq: 15 Aug 2018 8:26

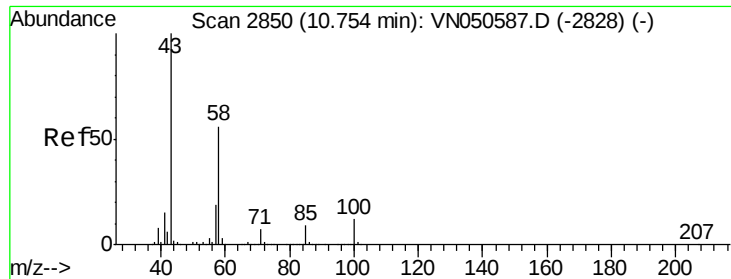
Tgt Ion: 63 Resp: 1024311

Ion Ratio Lower Upper

63 100

106 26.9 21.7 32.5

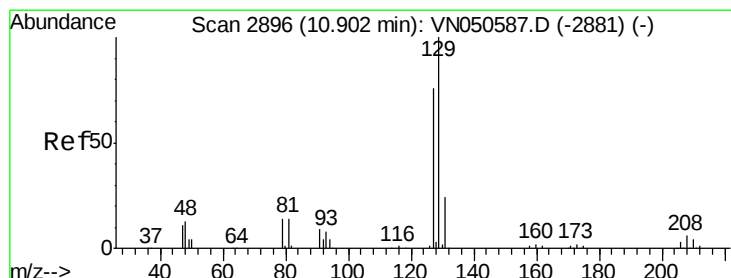
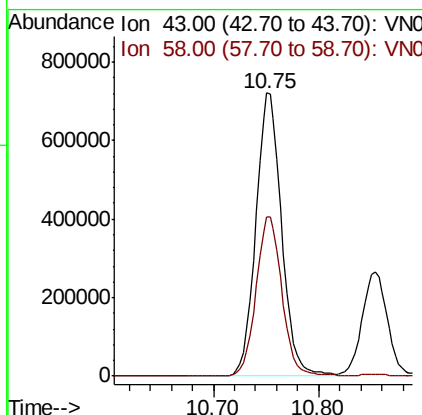
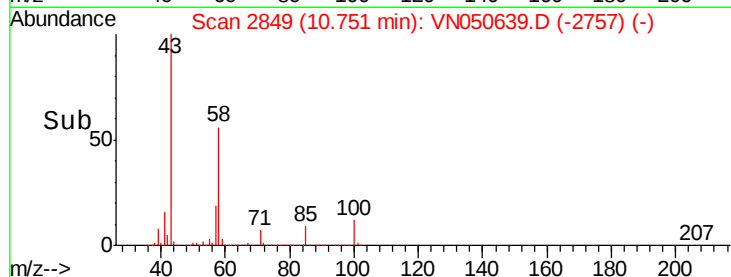
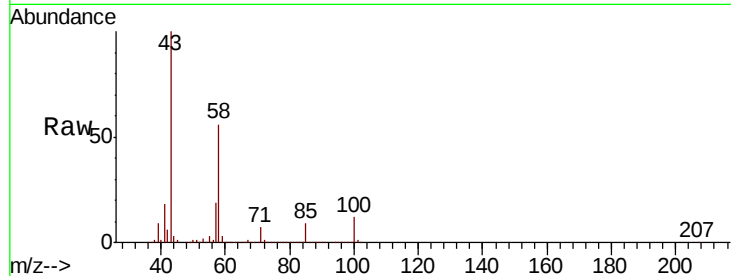




#59
2-Hexanone
Concen: 255.85 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

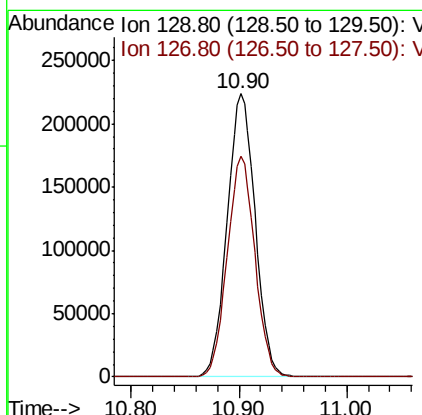
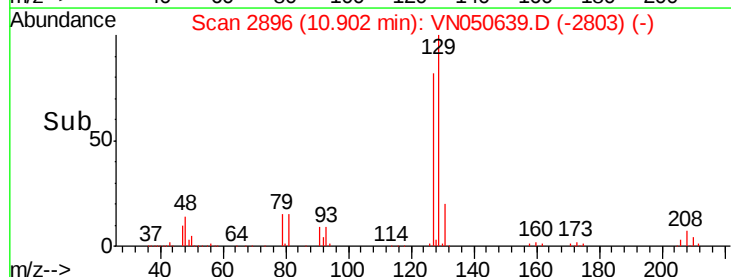
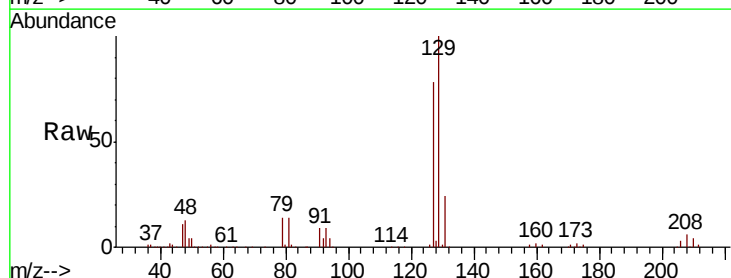
Instrument :
MSVOA_N
ClientSampleId :
948-MW-15(17)

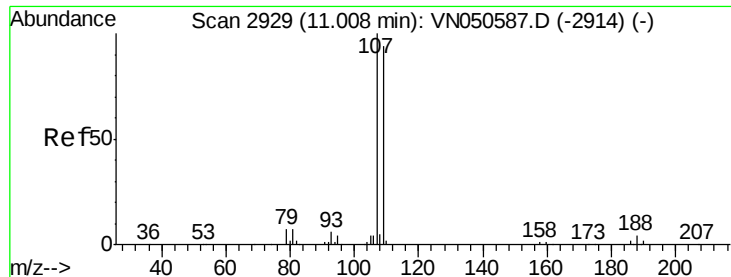
Tot Ion: 43 Resp: 1226976
Ion Ratio Lower Upper
43 100
58 56.6 28.0 84.0



#60
Dibromochloromethane
Concen: 50.71 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Tgt Ion: 129 Resp: 405079
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 50.21 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

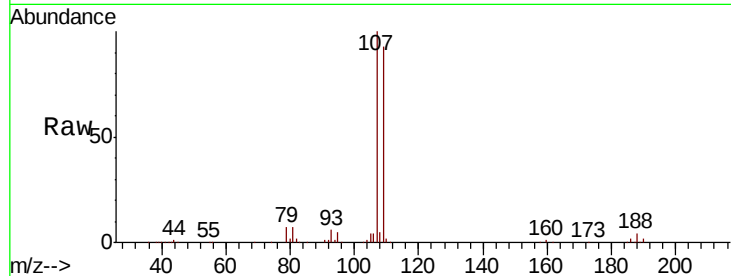
948-MW-15(17)

Tot Ion:107 Resp: 346056

Ion Ratio Lower Upper

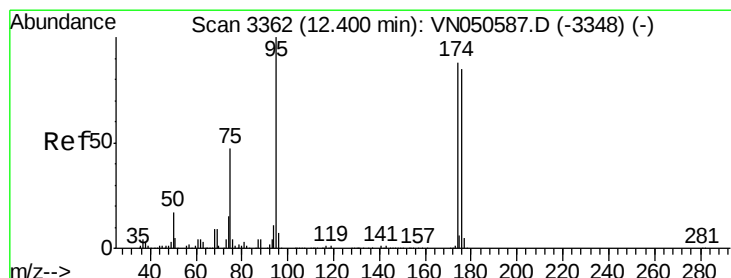
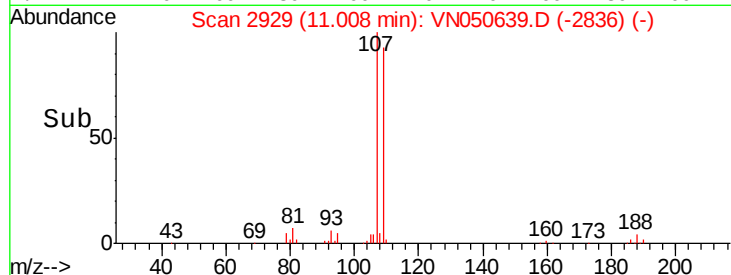
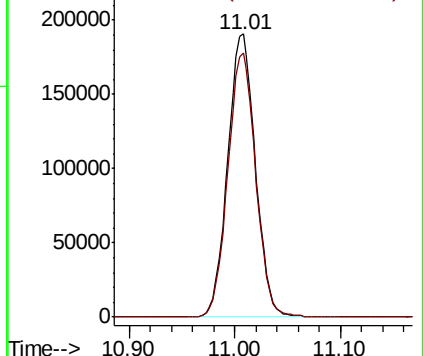
107 100

109 93.9 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.86 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

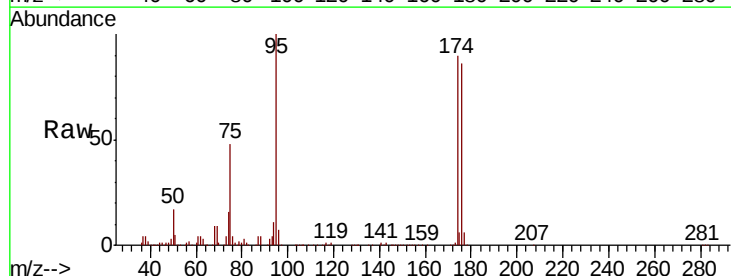
Tgt Ion: 95 Resp: 474183

Ion Ratio Lower Upper

95 100

174 90.3 0.0 177.8

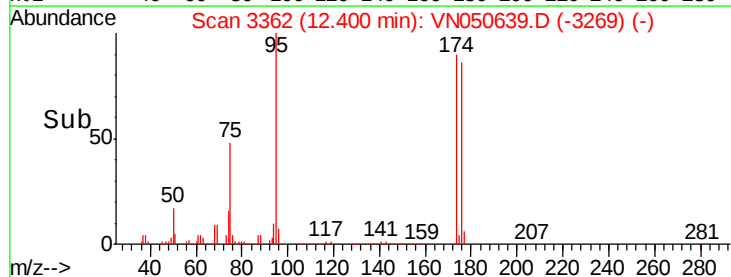
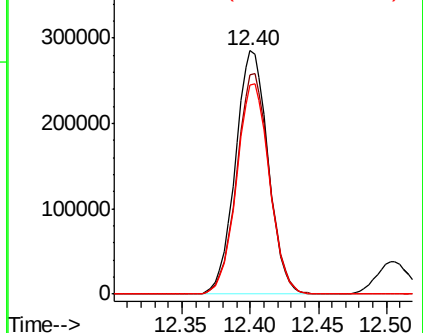
176 86.8 0.0 175.0

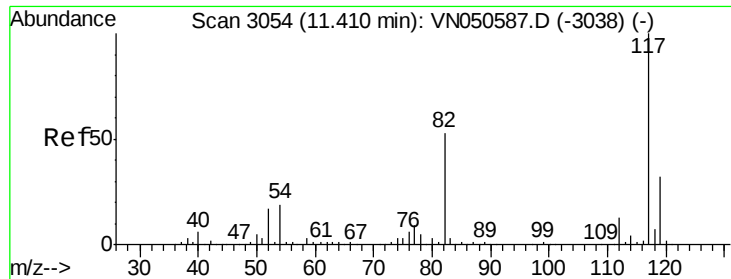


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

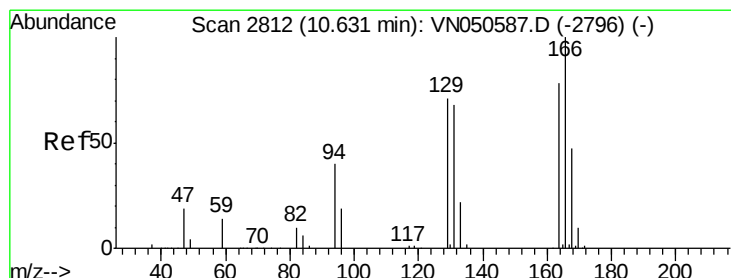
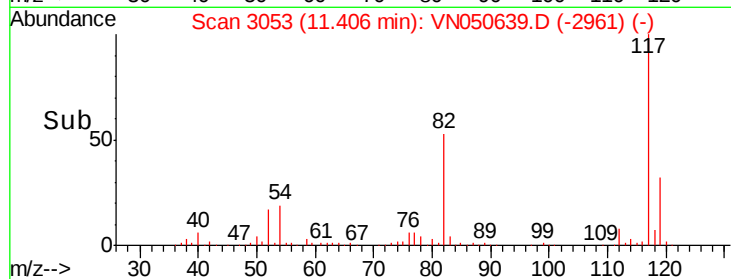
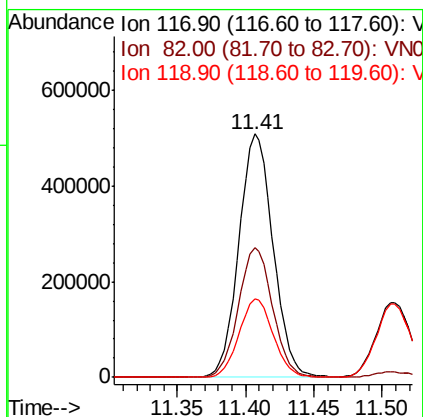
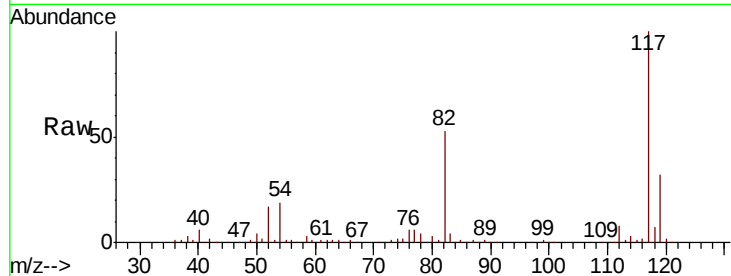




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

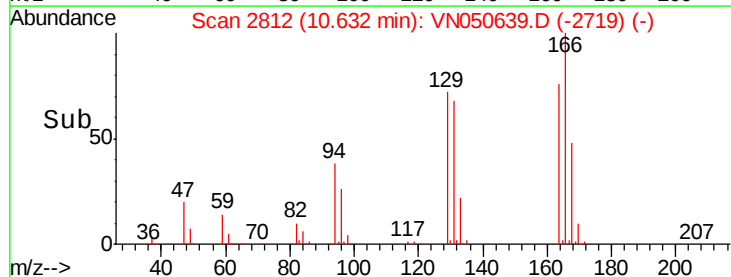
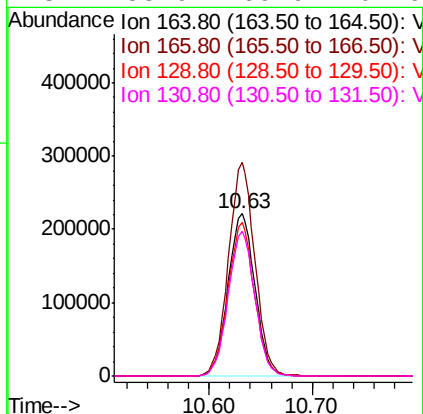
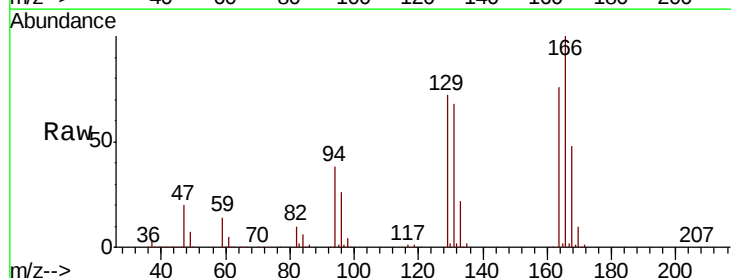
Instrument :
MSVOA_N
ClientSampleId :
948-MW-15(17)

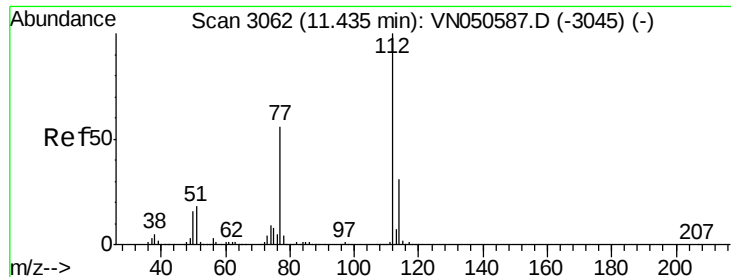
Tot Ion:117 Resp: 887834
Ion Ratio Lower Upper
117 100
82 53.5 42.4 63.6
119 32.3 25.8 38.8



#64
Tetrachloroethene
Concen: 48.86 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Tgt Ion:164 Resp: 402859
Ion Ratio Lower Upper
164 100
166 131.6 102.1 153.1
129 94.8 72.7 109.1
131 88.9 69.9 104.9

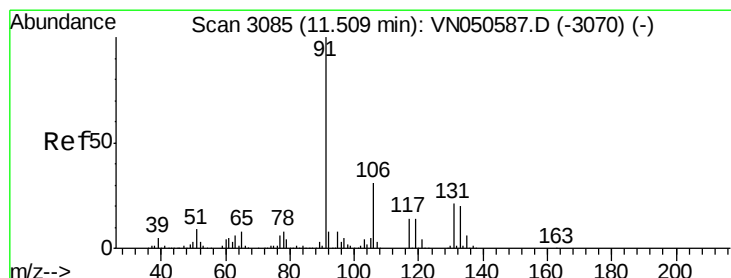
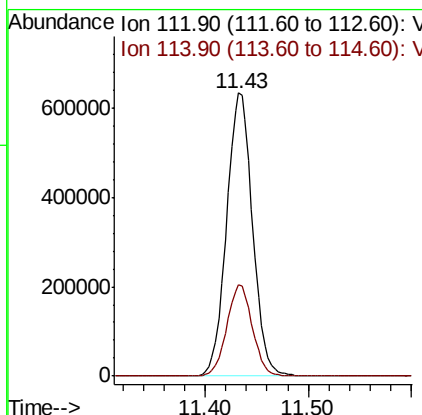
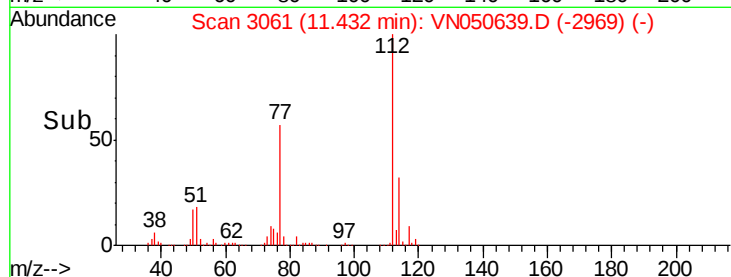
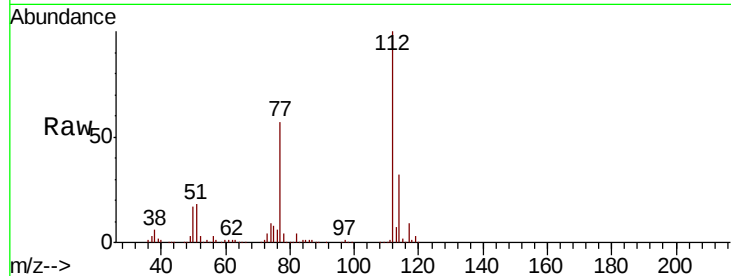




#65
Chlorobenzene
Concen: 50.14 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

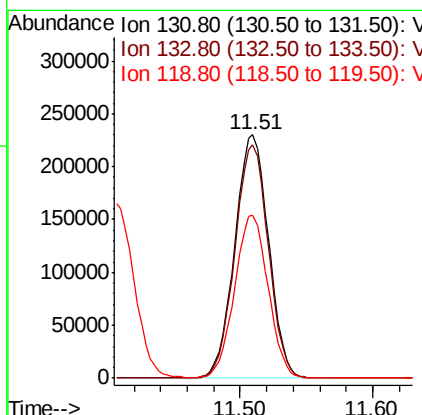
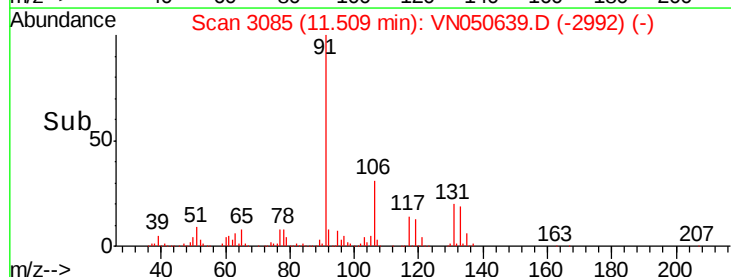
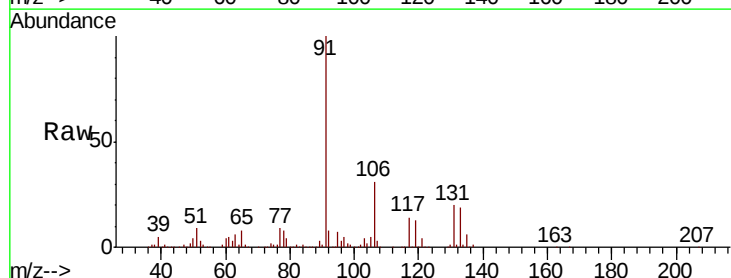
Instrument :
MSVOA_N
ClientSampleId :
948-MW-15(17)

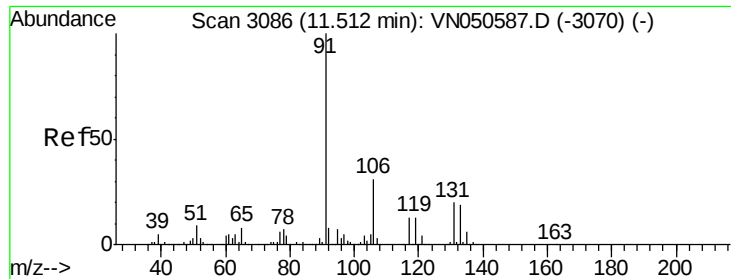
Tot Ion:112 Resp: 1107796
Ion Ratio Lower Upper
112 100
114 32.4 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.19 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Tgt Ion:131 Resp: 407450
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.9
119 66.4 33.1 99.3





#67

Ethyl Benzene

Concen: 53.81 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampled :

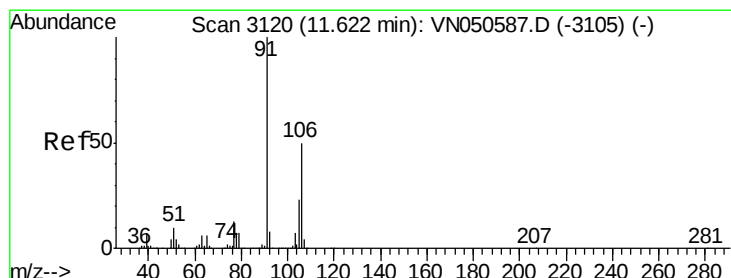
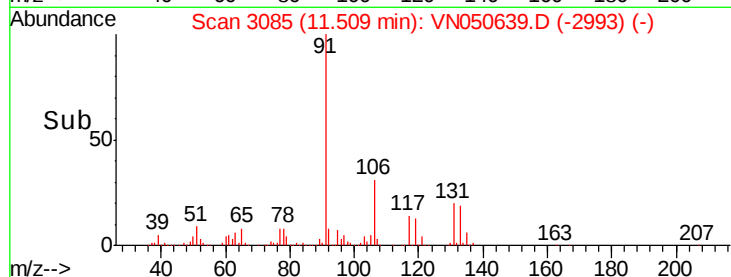
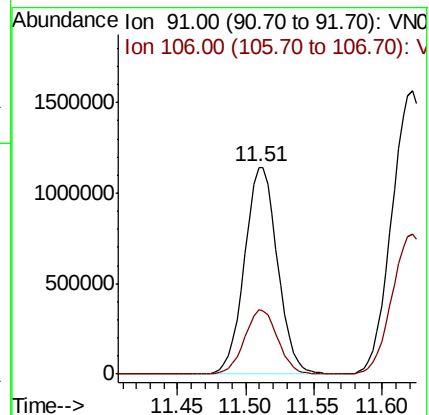
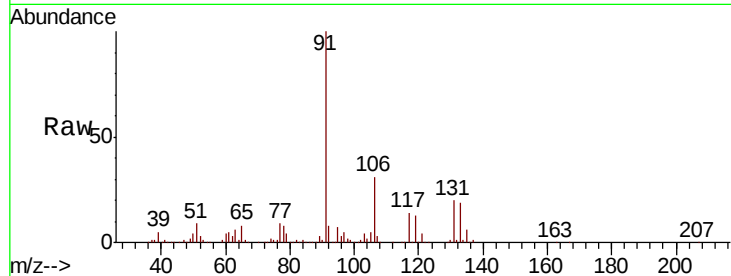
948-MW-15(17)

Tot Ion: 91 Resp: 1919863

Ion Ratio Lower Upper

91 100

106 30.9 24.8 37.2



#68

m/p-Xylenes

Concen: 109.07 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050639.D

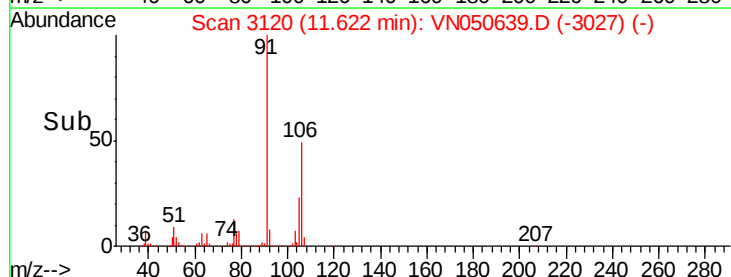
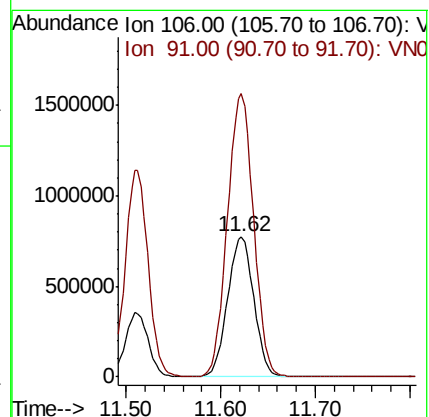
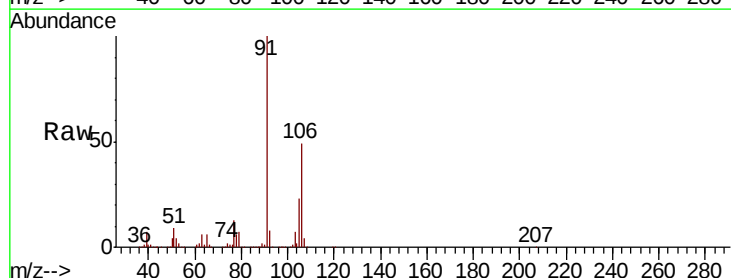
Acq: 15 Aug 2018 8:26

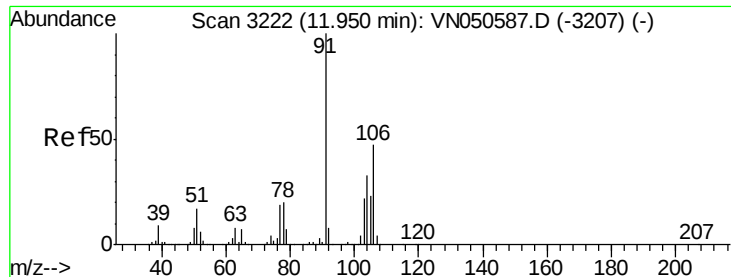
Tgt Ion:106 Resp: 1488282

Ion Ratio Lower Upper

106 100

91 202.2 161.5 242.3

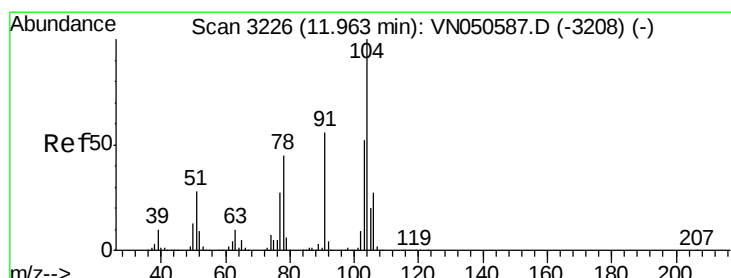
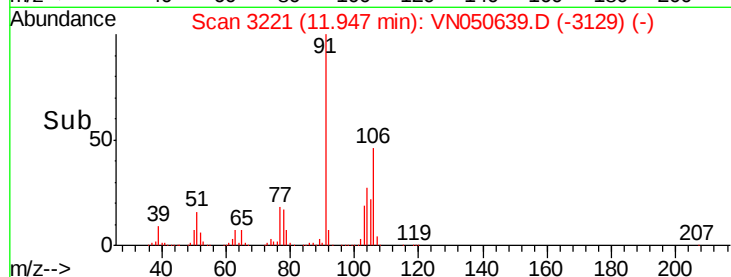
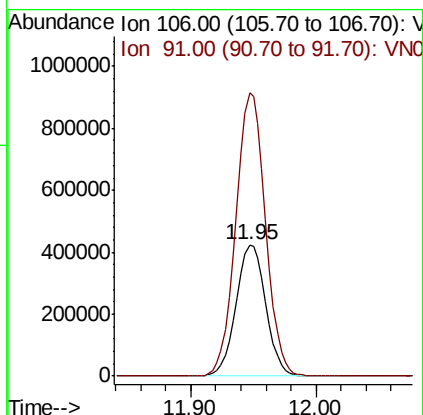
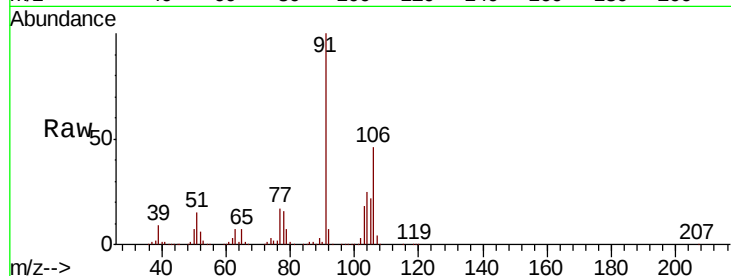




#69
o-Xylene
Concen: 53.54 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

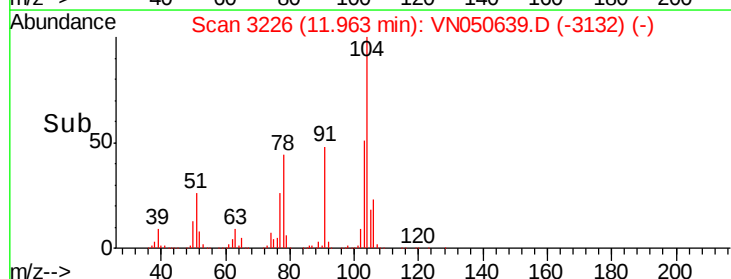
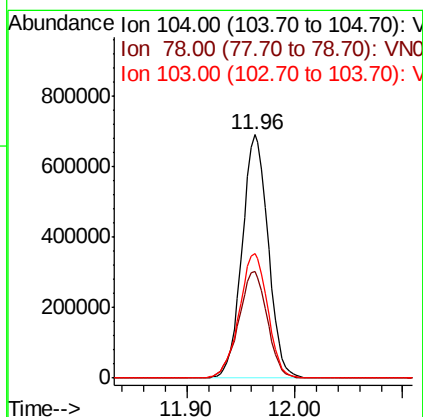
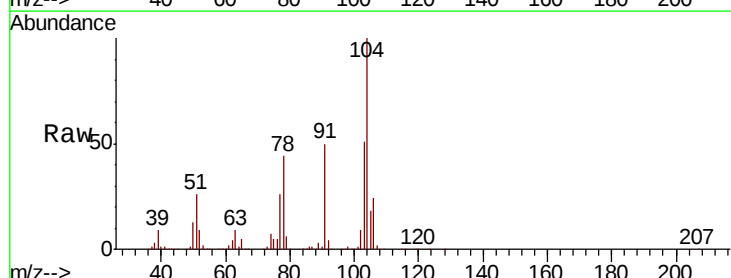
Instrument :
MSVOA_N
ClientSampled :
948-MW-15(17)

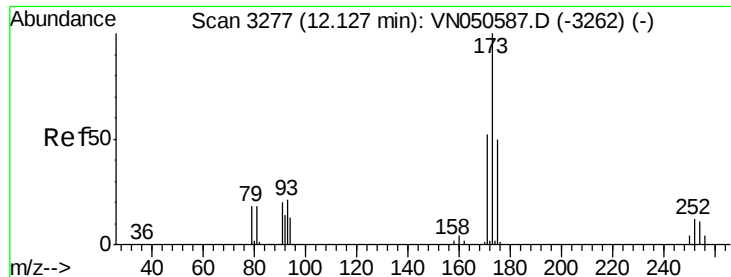
Tot Ion:106 Resp: 696679
Ion Ratio Lower Upper
106 100
91 215.0 106.8 320.4



#70
Styrene
Concen: 50.19 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Tgt Ion:104 Resp: 1161526
Ion Ratio Lower Upper
104 100
78 48.3 39.1 58.7
103 55.9 44.9 67.3





#71

Bromoform

Concen: 49.35 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

948-MW-15(17)

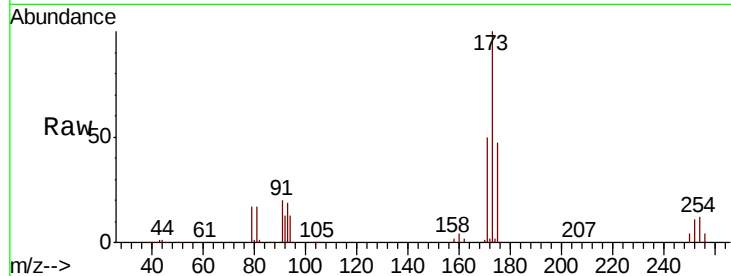
Tot Ion:173 Resp: 271048

Ion Ratio Lower Upper

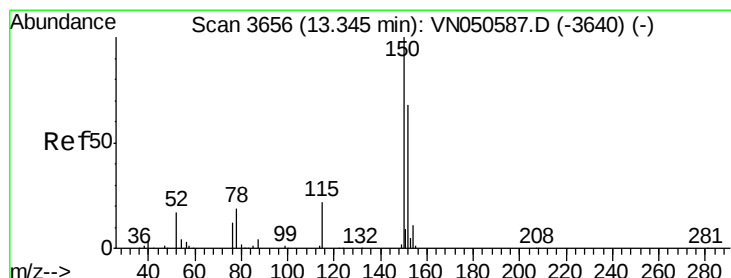
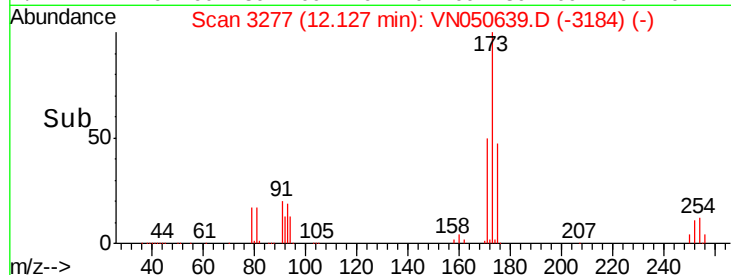
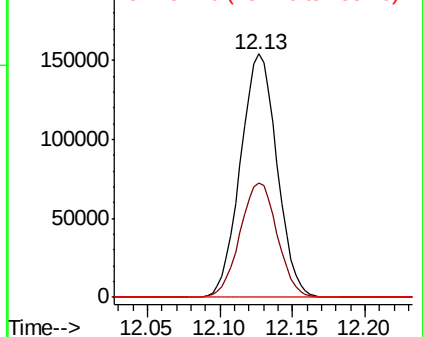
173 100

175 47.9 24.4 73.2

254 0.1 0.0 0.0#



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: VN050639.D

Acq: 15 Aug 2018 8:26

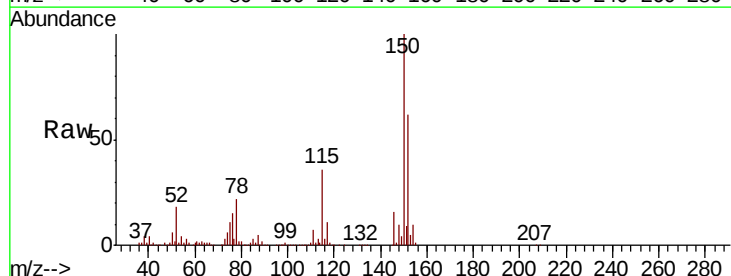
Tgt Ion:152 Resp: 460297

Ion Ratio Lower Upper

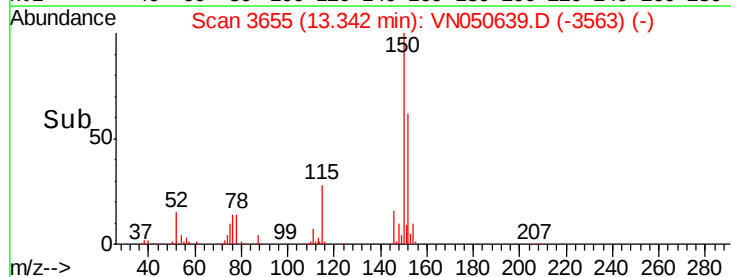
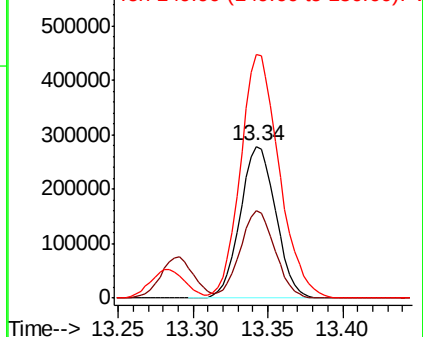
152 100

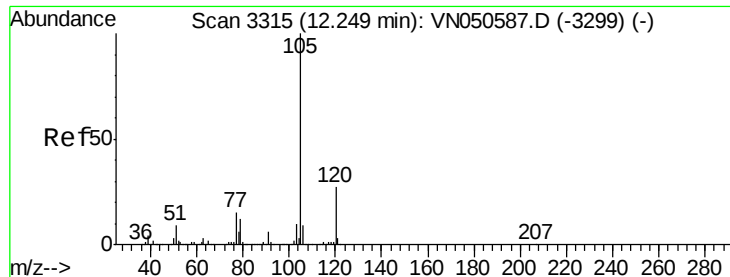
115 56.7 28.1 84.2

150 175.2 0.0 347.8



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: 52.11 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

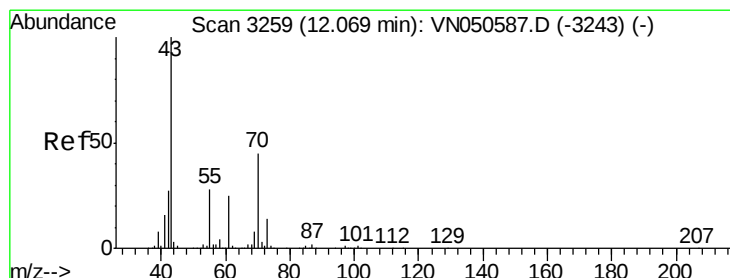
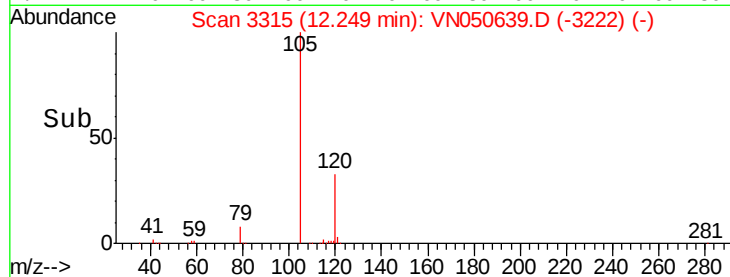
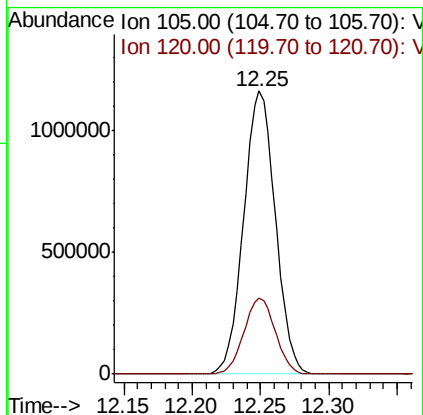
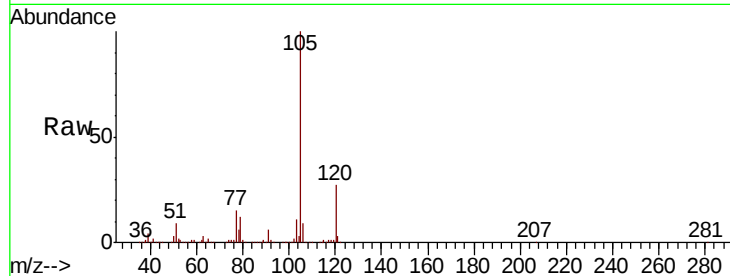
948-MW-15(17)

Tot Ion:105 Resp: 1874191

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1



#74

N-ethyl acetate

Concen: 47.71 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Tgt Ion: 43 Resp: 446412

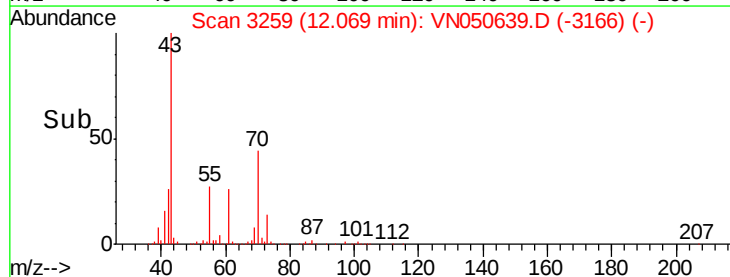
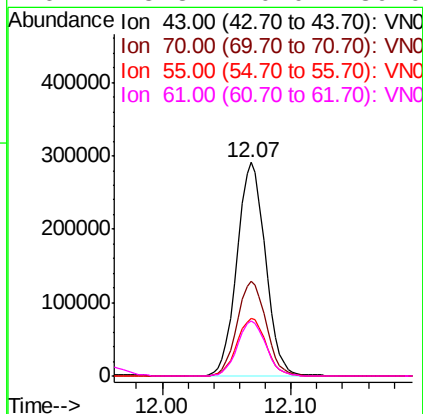
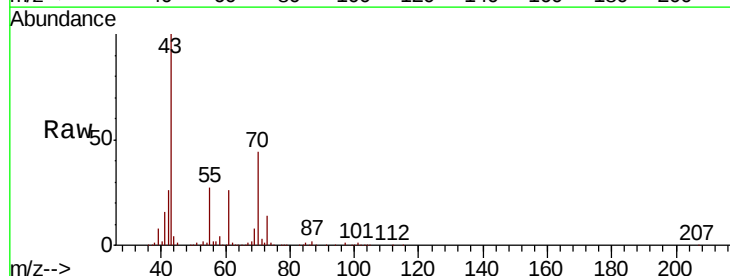
Ion Ratio Lower Upper

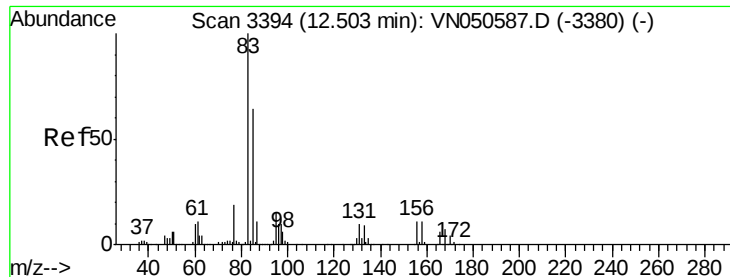
43 100

70 45.2 35.9 53.9

55 27.7 22.2 33.4

61 25.8 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.05 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

948-MW-15(17)

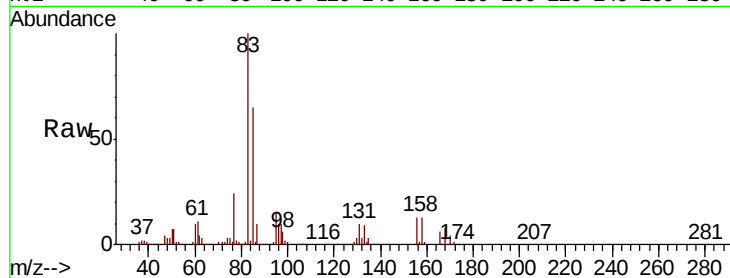
Tot Ion: 83 Resp: 425858

Ion Ratio Lower Upper

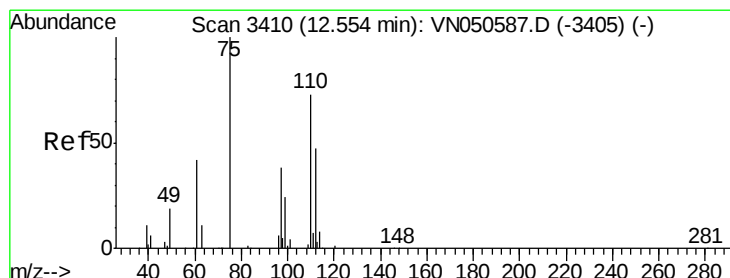
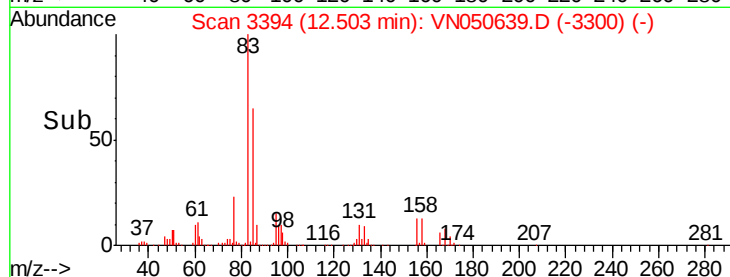
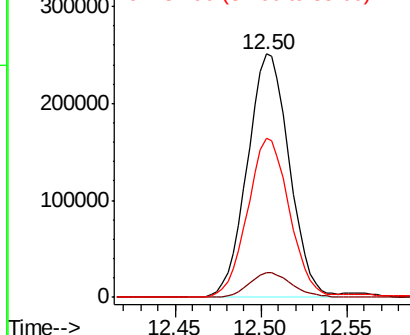
83 100

131 10.4 5.3 15.9

85 64.8 32.1 96.5



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



#76

1,2,3-Trichloropropane

Concen: 68.42 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050639.D

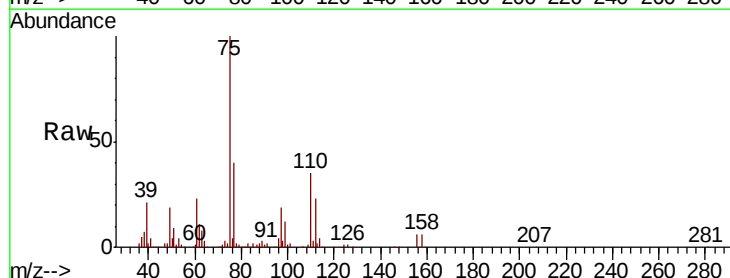
Acq: 15 Aug 2018 8:26

Tgt Ion: 75 Resp: 506024

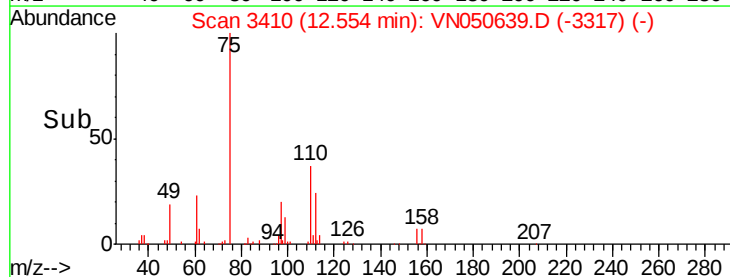
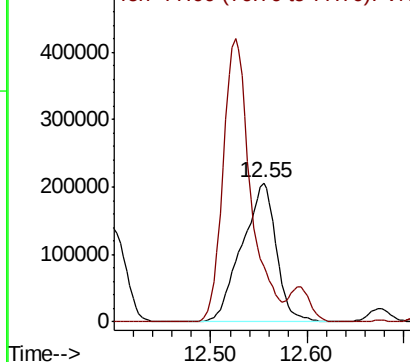
Ion Ratio Lower Upper

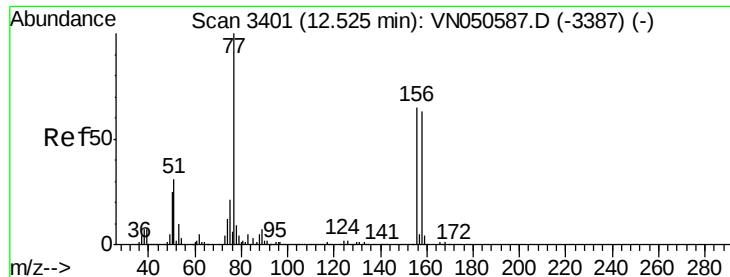
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 47.96 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampled :

948-MW-15(17)

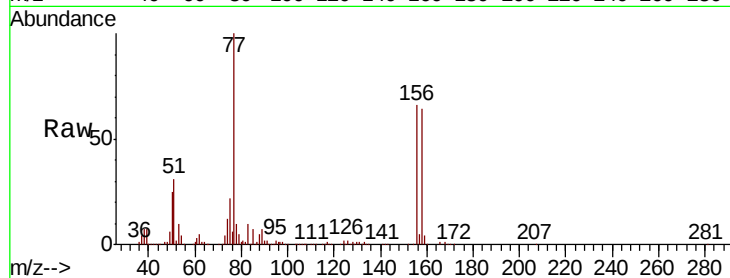
Tot Ion:156 Resp: 468308

Ion Ratio Lower Upper

156 100

77 177.6 89.0 267.1

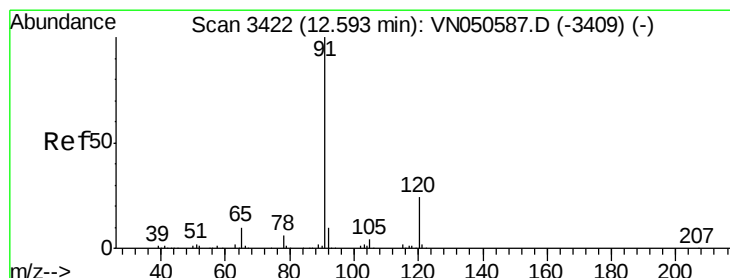
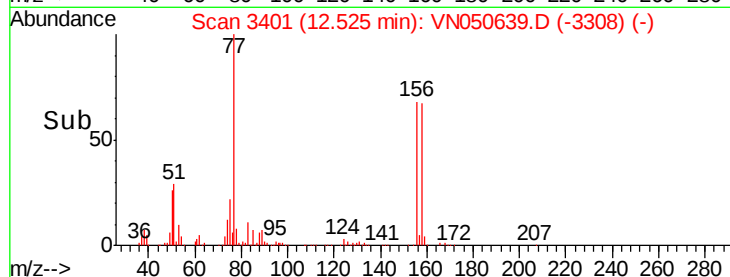
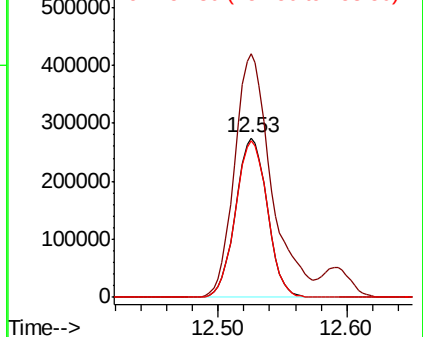
158 99.0 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.15 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050639.D

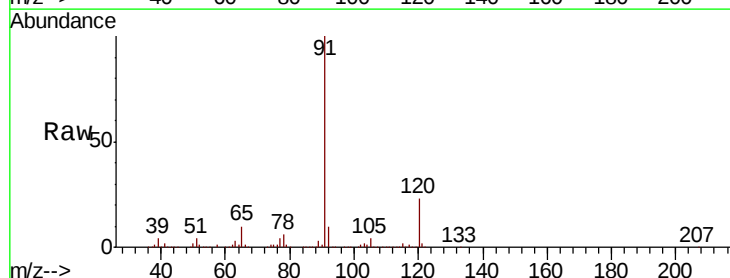
Acq: 15 Aug 2018 8:26

Tgt Ion: 91 Resp: 2171546

Ion Ratio Lower Upper

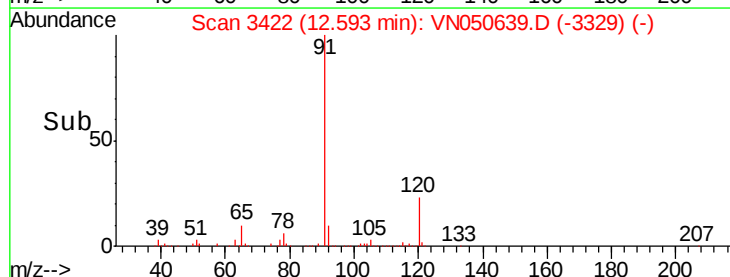
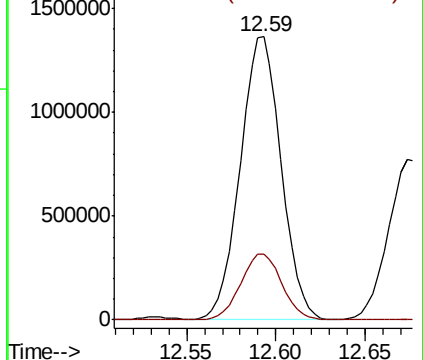
91 100

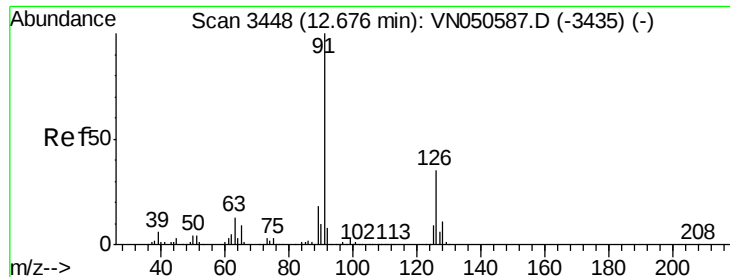
120 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.83 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampled :

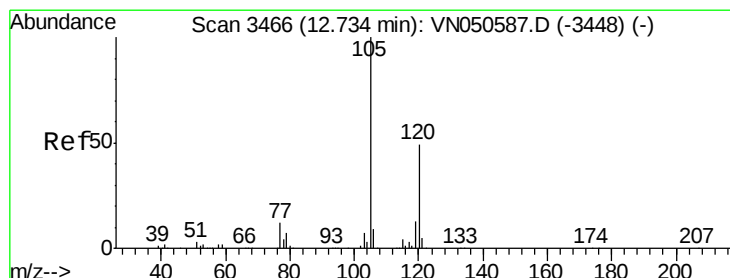
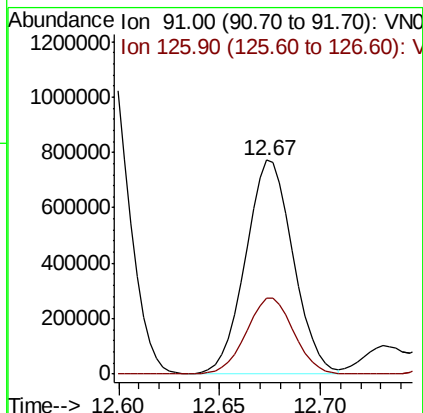
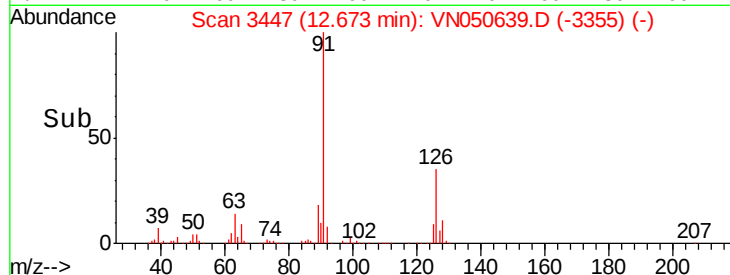
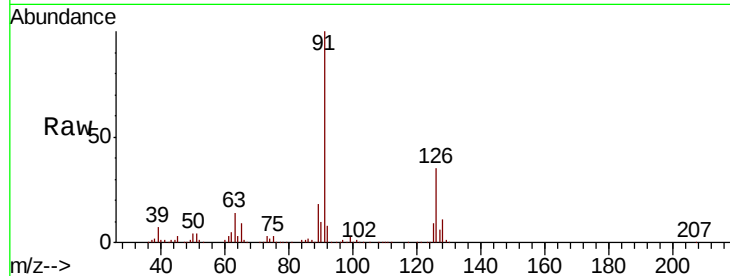
948-MW-15(17)

Tot Ion: 91 Resp: 1270901

Ion Ratio Lower Upper

91 100

126 35.7 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 54.18 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050639.D

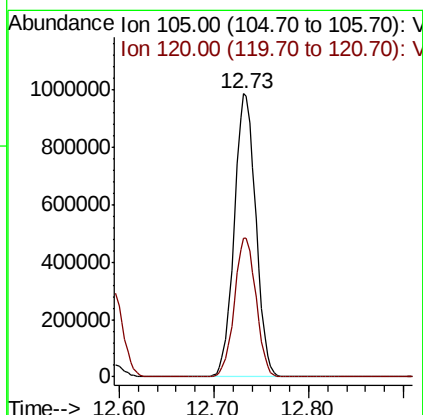
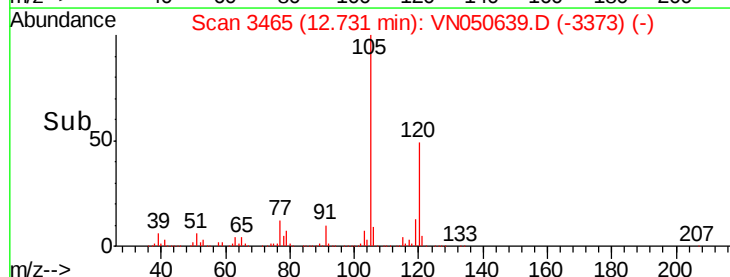
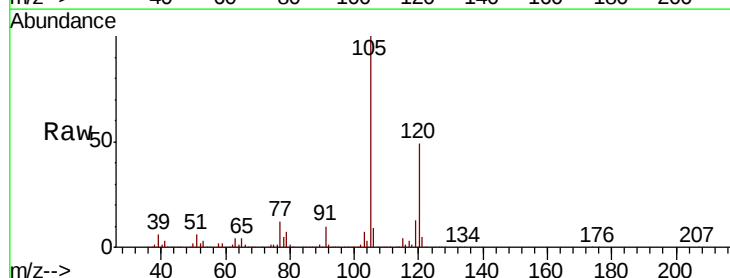
Acq: 15 Aug 2018 8:26

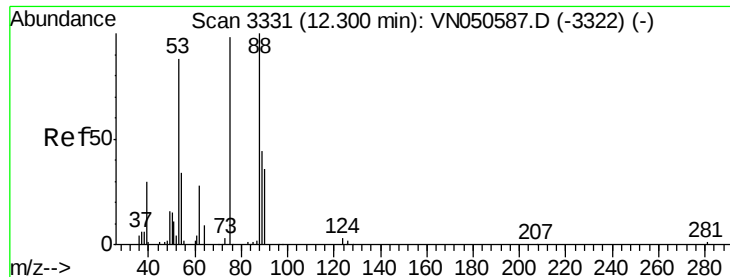
Tgt Ion:105 Resp: 1559964

Ion Ratio Lower Upper

105 100

120 49.1 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 50.98 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

948-MW-15(17)

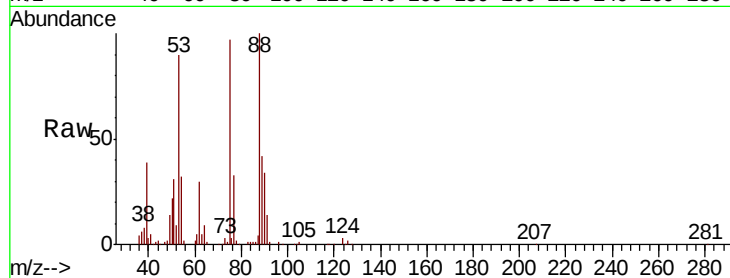
Tot Ion: 75 Resp: 105545

Ion Ratio Lower Upper

75 100

53 90.5 72.2 108.2

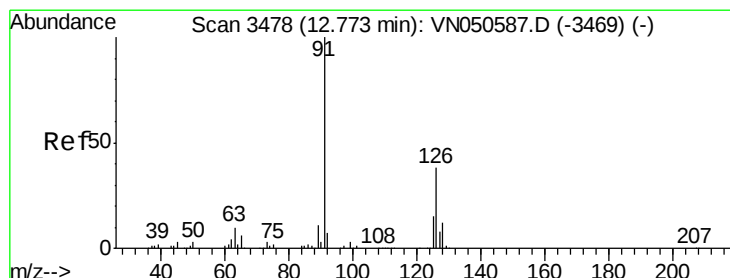
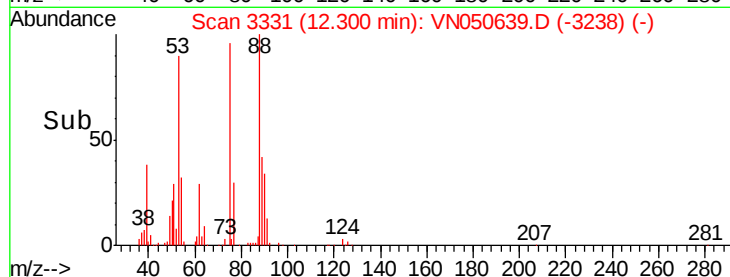
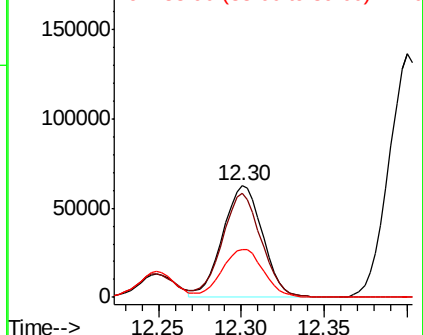
89 44.2 36.3 54.5



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: 52.53 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050639.D

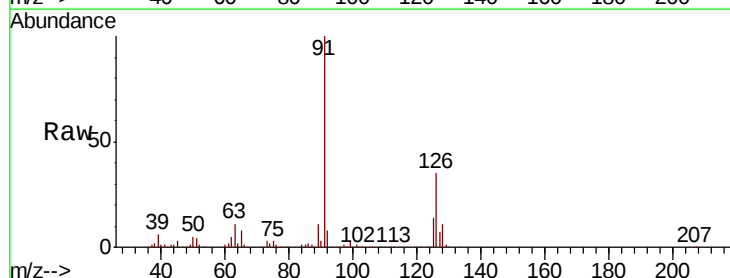
Acq: 15 Aug 2018 8:26

Tgt Ion: 91 Resp: 1297850

Ion Ratio Lower Upper

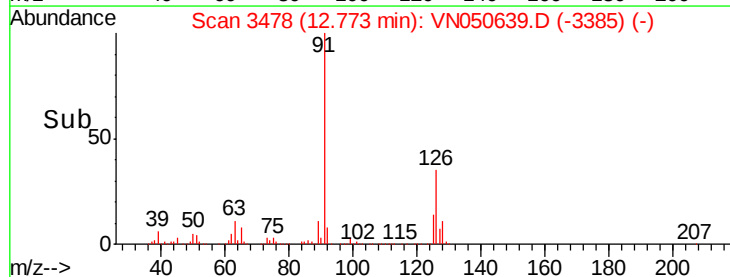
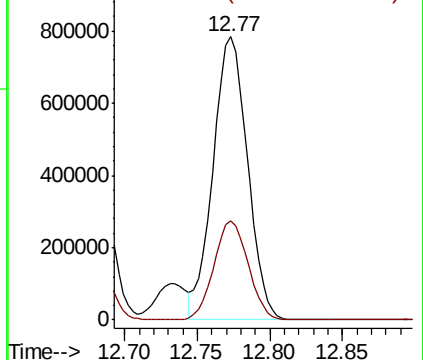
91 100

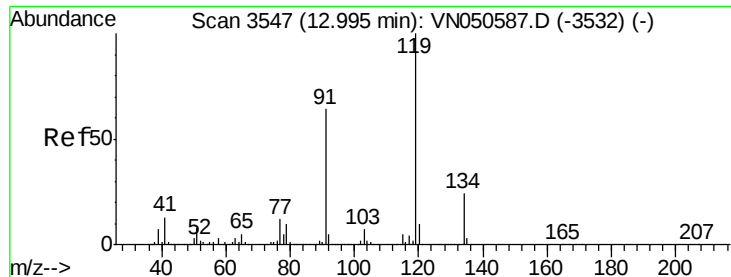
126 34.7 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

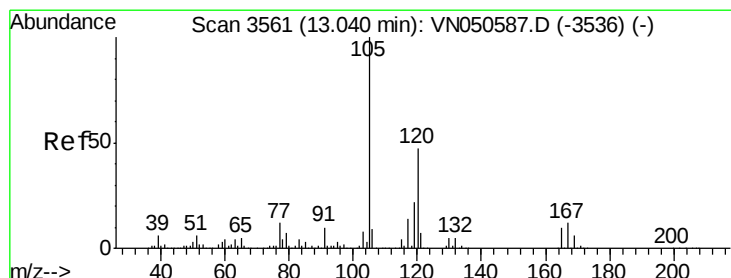
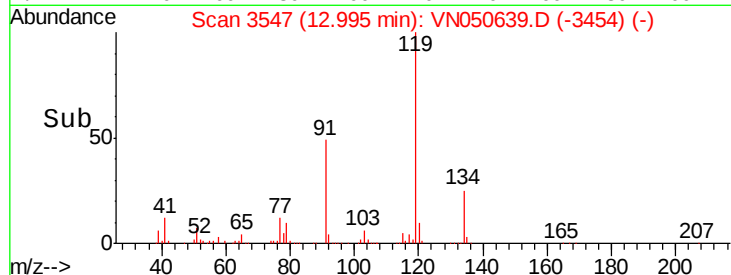
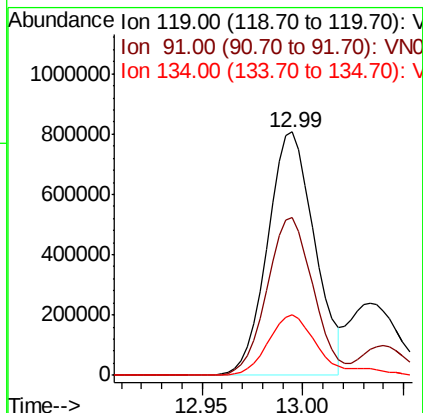
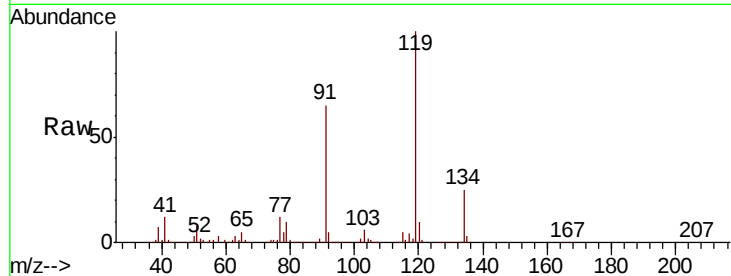




#83
 tert-Butylbenzene
 Concen: 52.24 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

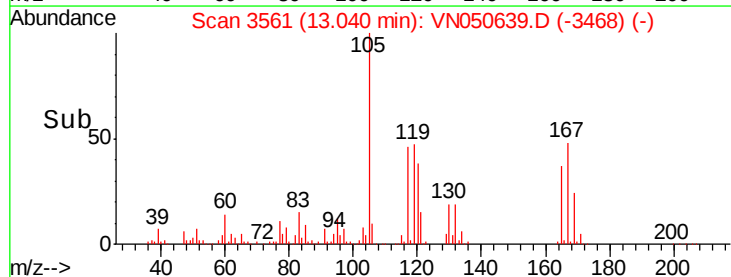
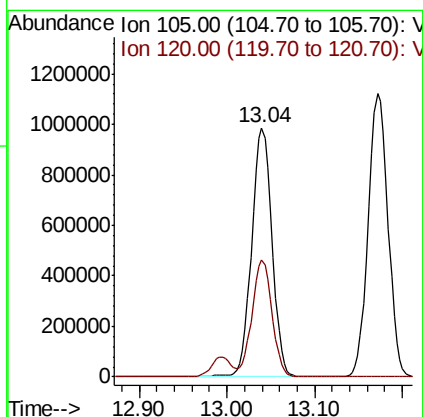
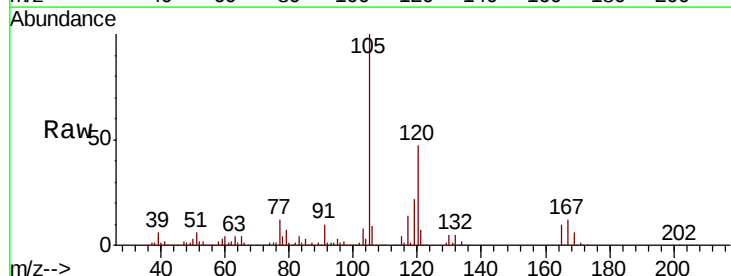
Instrument :
 MSVOA_N
 ClientSampled :
 948-MW-15(17)

Tot Ion:119 Resp: 1305852
 Ion Ratio Lower Upper
 119 100
 91 63.4 32.2 96.6
 134 27.1 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 54.89 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion:105 Resp: 1586361
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.2 69.5





#85

sec-Butylbenzene

Concen: 53.91 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

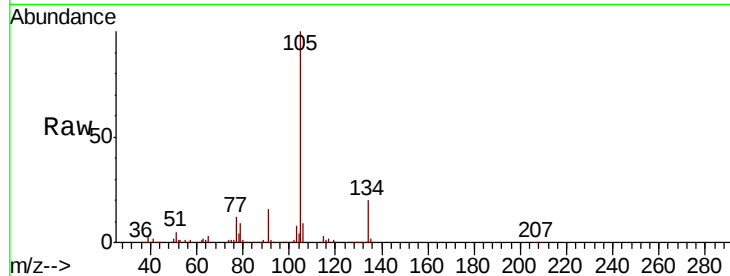
948-MW-15(17)

Tot Ion:105 Resp: 1760852

Ion Ratio Lower Upper

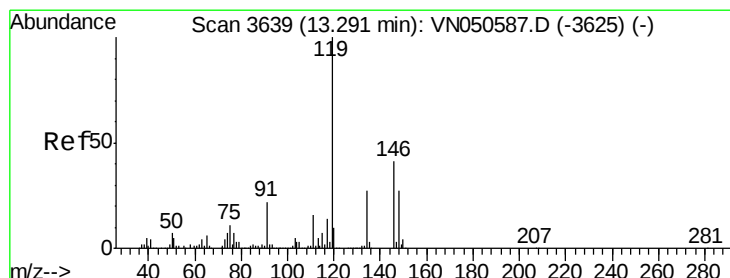
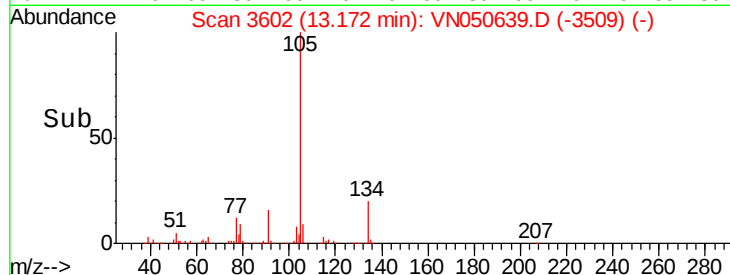
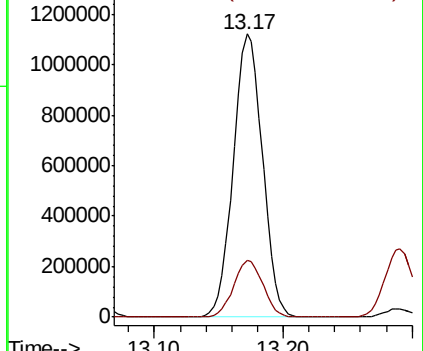
105 100

134 20.2 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.99 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

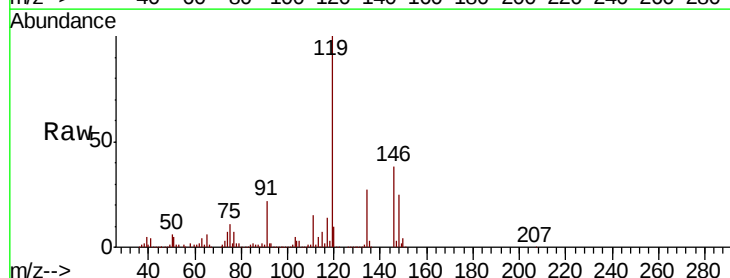
Tgt Ion:119 Resp: 1549672

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

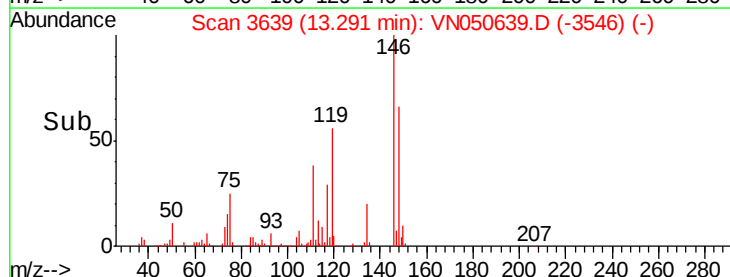
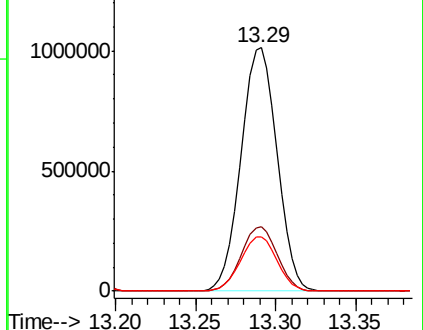
91 22.5 11.2 33.6

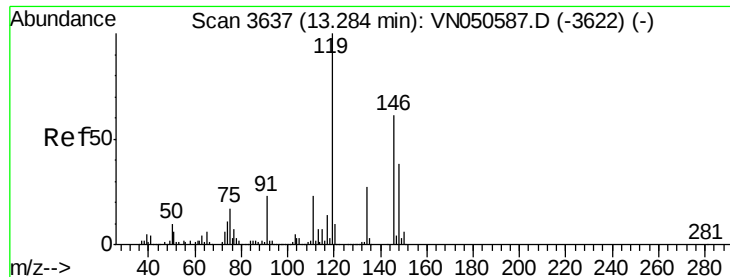


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

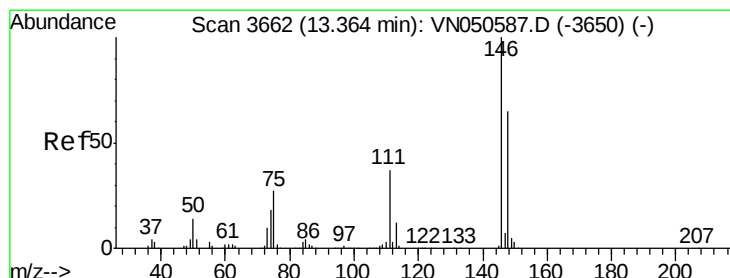
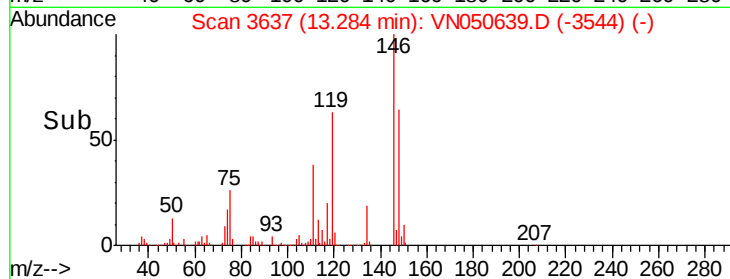
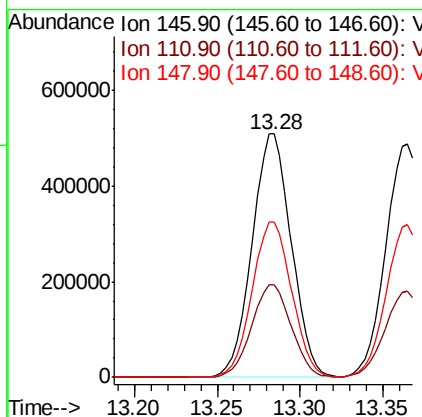
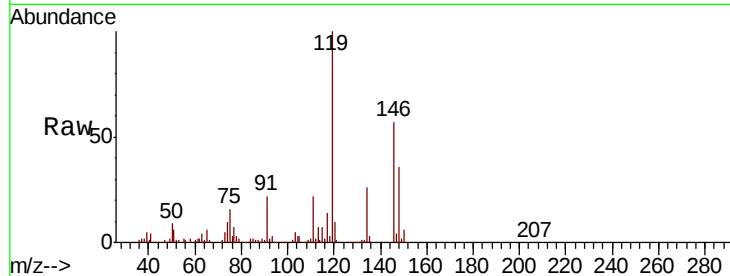




#87
 1,3-Dichlorobenzene
 Concen: 50.27 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

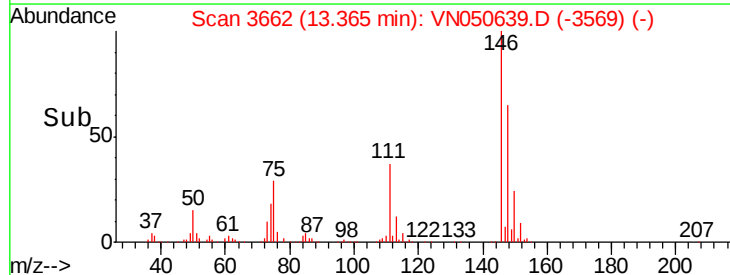
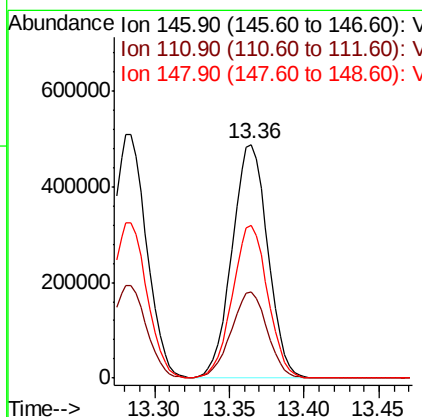
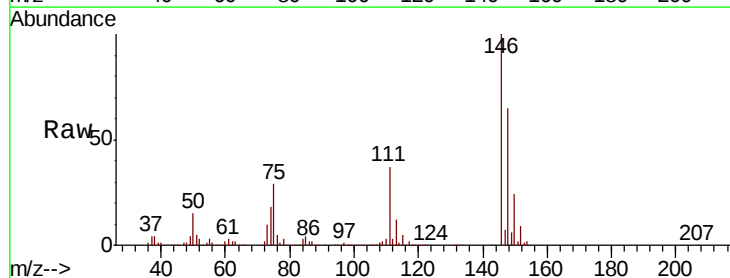
Instrument :
 MSVOA_N
 ClientSampleId :
 948-MW-15(17)

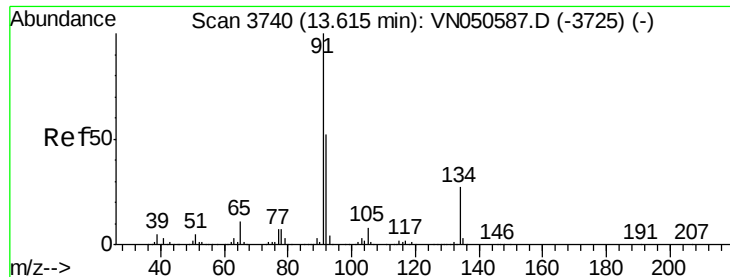
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	64.7	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 49.19 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.4
148	64.8	32.3	96.8

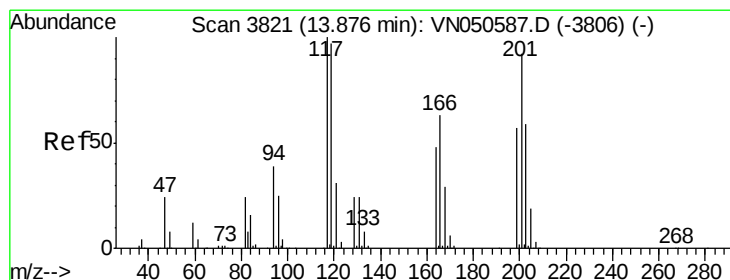
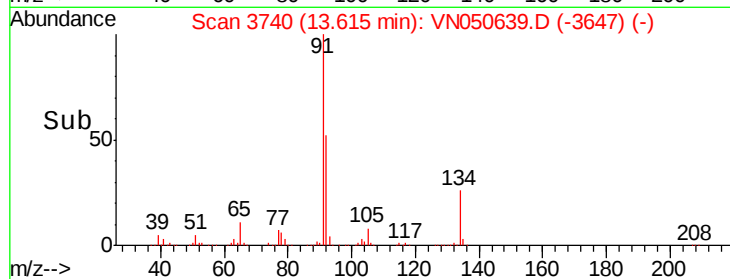
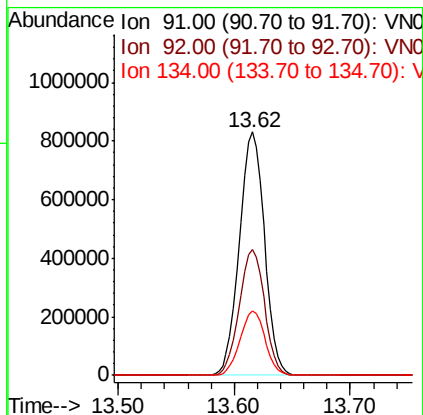
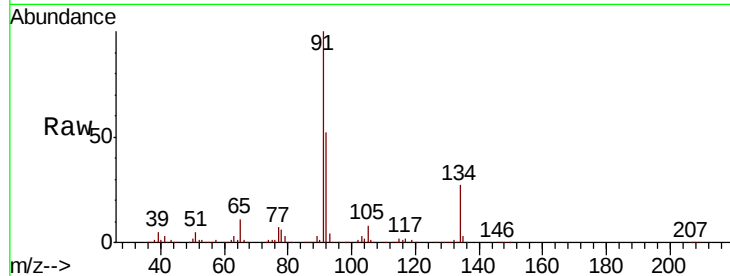




#89
n-Butylbenzene
Concen: 55.99 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

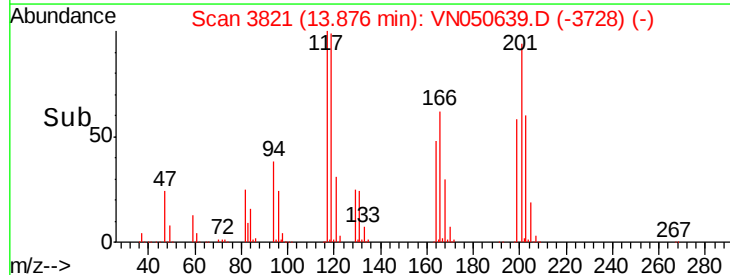
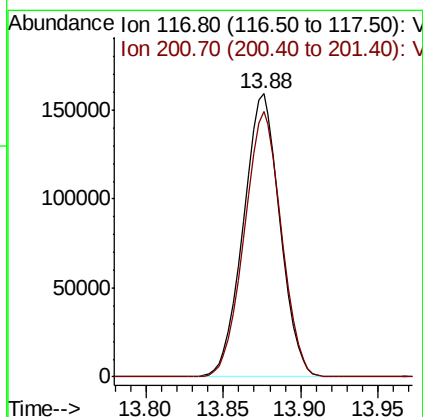
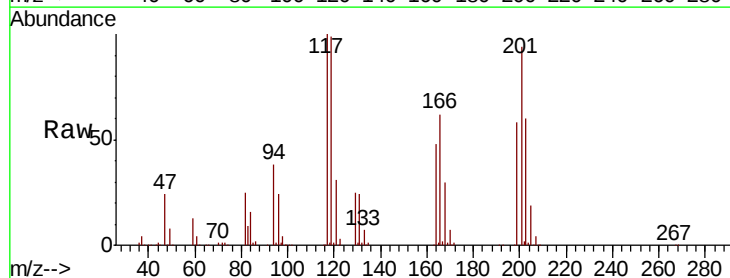
Instrument :
MSVOA_N
ClientSampleId :
948-MW-15(17)

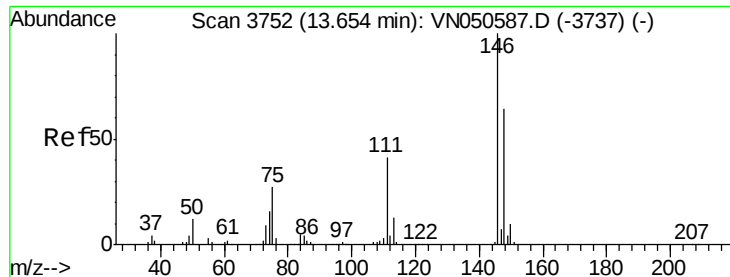
Tot Ion: 91 Resp: 1251353
Ion Ratio Lower Upper
91 100
92 51.8 26.3 78.8
134 26.4 13.3 39.9



#90
Hexachloroethane
Concen: 47.23 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Tgt Ion: 117 Resp: 262840
Ion Ratio Lower Upper
117 100
201 94.7 45.5 136.5





#91

1,2-Dichlorobenzene

Concen: 48.91 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

948-MW-15(17)

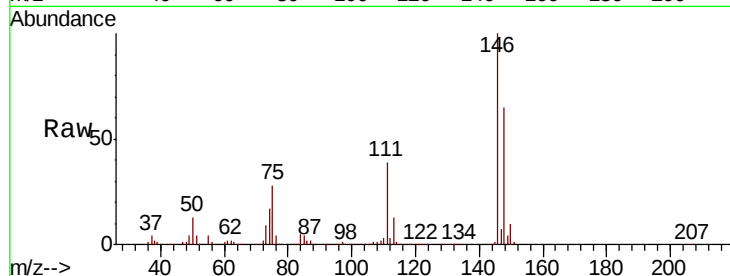
Tot Ion:146 Resp: 793129

Ion Ratio Lower Upper

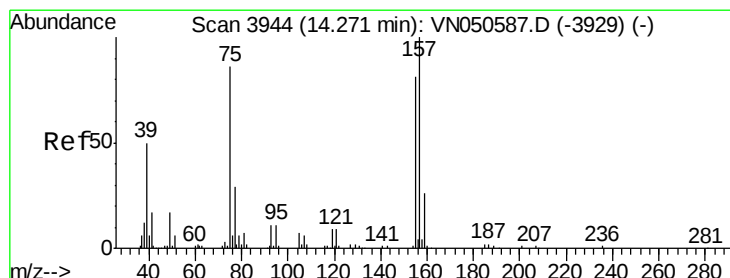
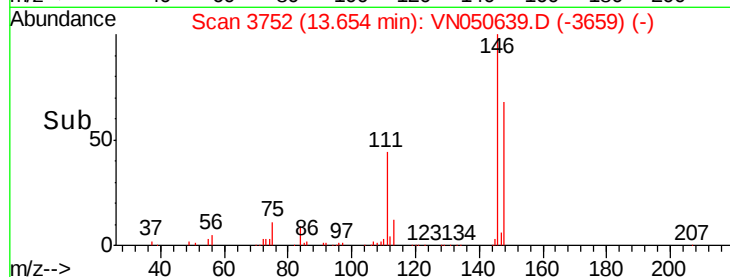
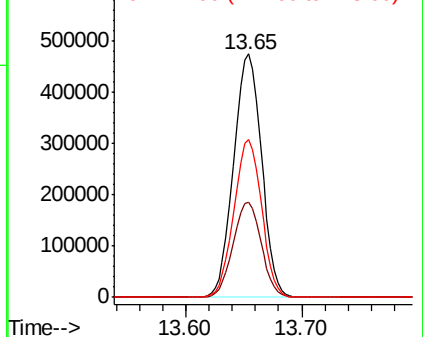
146 100

111 39.3 19.8 59.4

148 64.1 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: 44.74 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

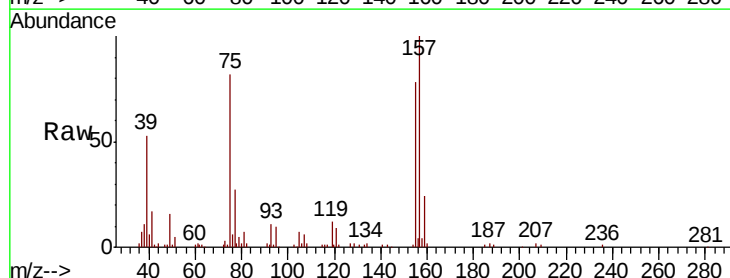
Tgt Ion: 75 Resp: 57414

Ion Ratio Lower Upper

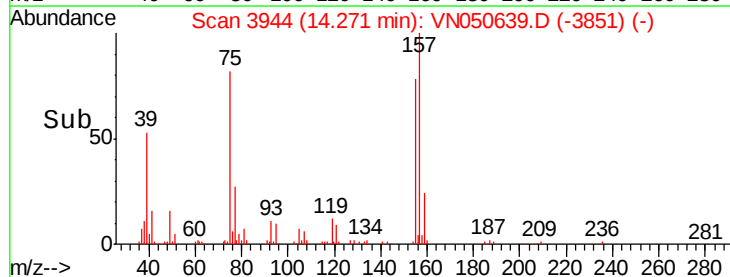
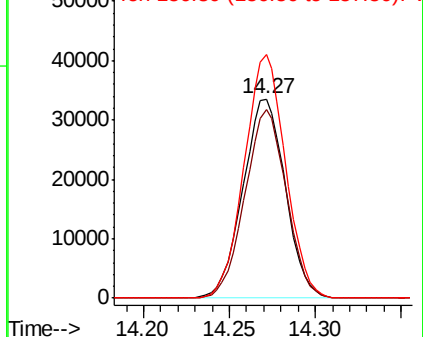
75 100

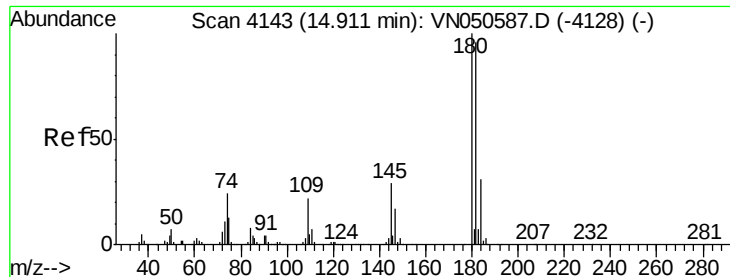
155 92.2 46.6 139.8

157 118.7 58.1 174.2



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

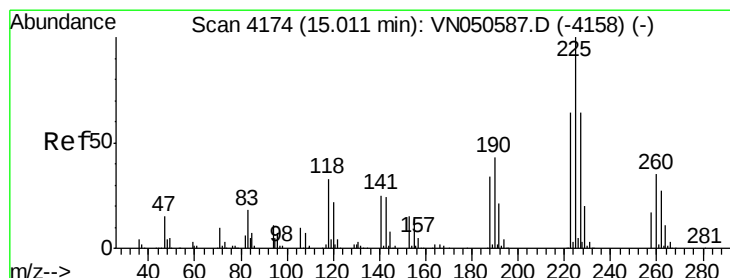
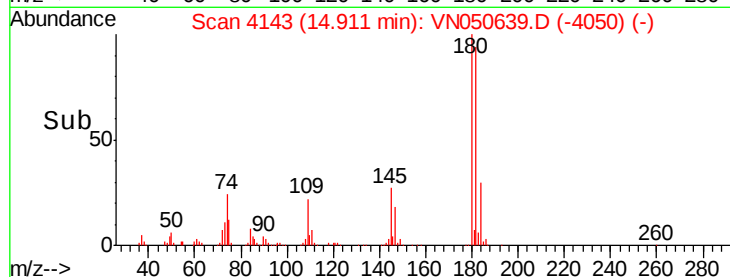
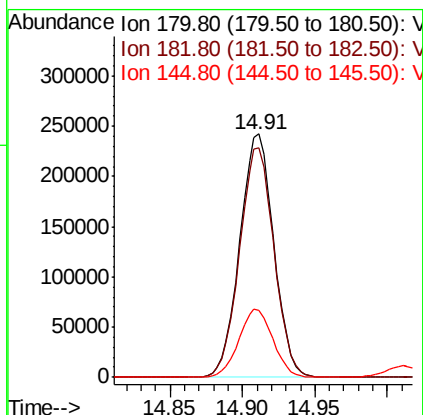
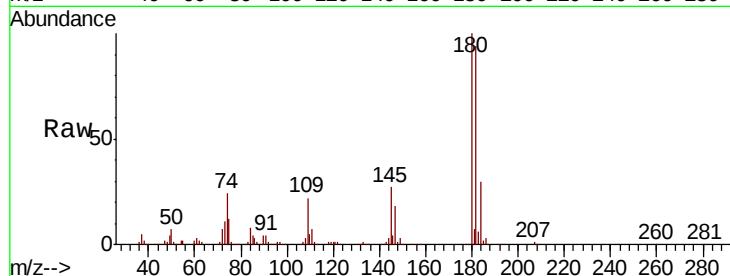




#93
 1,2,4-Trichlorobenzene
 Concen: 47.55 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

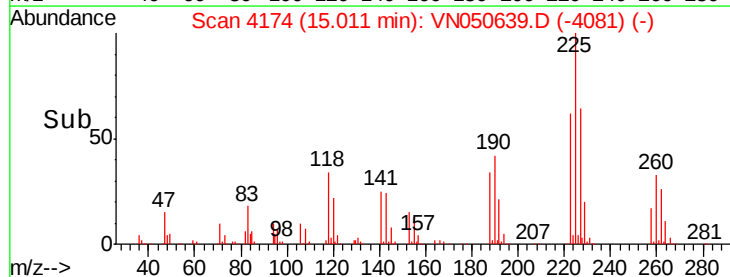
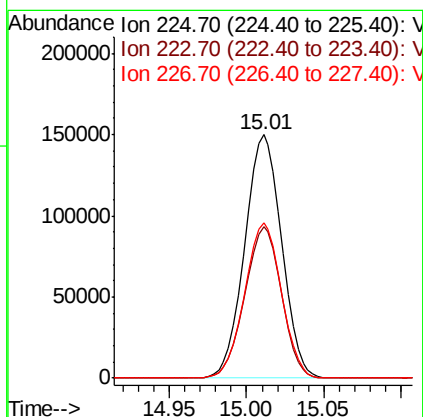
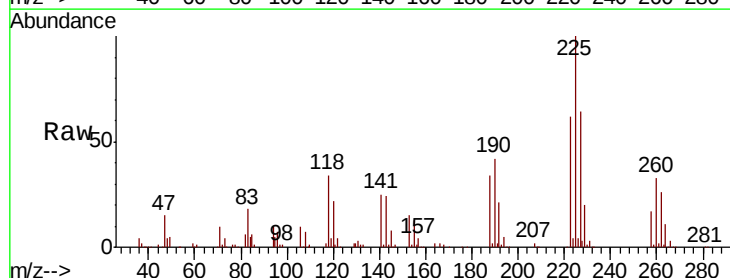
Instrument :
 MSVOA_N
 ClientSampleId :
 948-MW-15(17)

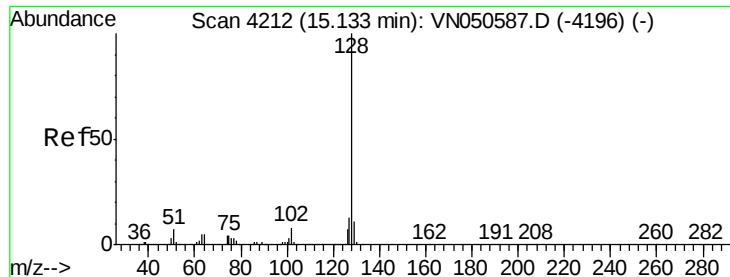
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	28.1	14.4	43.4



#94
 Hexachlorobutadiene
 Concen: 50.11 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	32.1	96.3
227	63.4	32.0	96.2





#95

Naphthalene

Concen: 43.38 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

Instrument :

MSVOA_N

ClientSampleId :

948-MW-15(17)

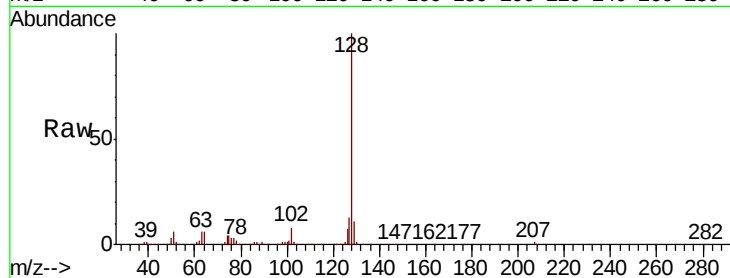
Tot Ion:128 Resp: 758221

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.7 8.5 12.7

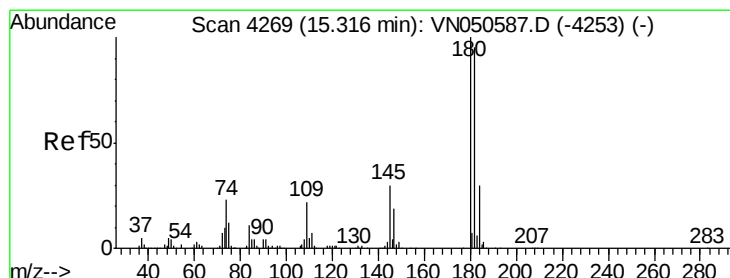
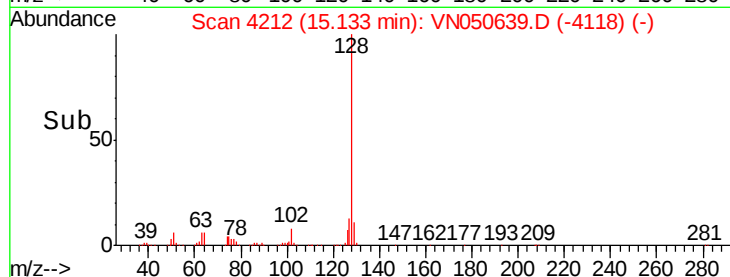
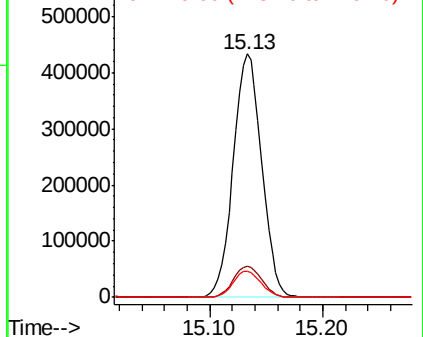


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.85 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050639.D

Acq: 15 Aug 2018 8:26

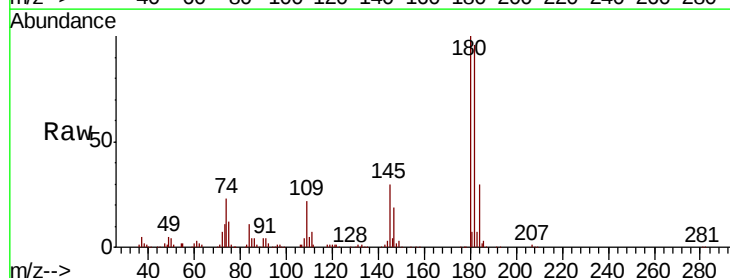
Tgt Ion:180 Resp: 371296

Ion Ratio Lower Upper

180 100

182 95.9 47.3 141.8

145 30.2 14.6 44.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

