

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
 Data File : VN049690.D
 Acq On : 3 Jul 2018 13:45
 Operator : MD\SY
 Sample : J3811-01DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 23:04:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1321502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2082091	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1746180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	819817	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	883956	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	7.59	113	752194	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
50) Toluene-d8	10.09	98	2817344	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
62) 4-Bromofluorobenzene	12.41	95	890884	42.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.66%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	6348	0.34	ug/l #	85
11) Tert butyl alcohol	4.79	59	340	0.34	ug/l #	72
13) Acrolein	3.61	56	692	0.74	ug/l #	1
16) Acetone	3.83	43	9740	Below	Cal	97
17) Carbon Disulfide	4.04	76	89388	1.75	ug/l	99
18) Methyl Acetate	4.33	43	46418	Below	Cal	96
20) Methylene Chloride	4.55	84	11995	0.67	ug/l #	80
25) 2-Butanone	6.85	43	2948	0.51	ug/l #	47
27) cis-1,2-Dichloroethene	6.83	96	45347	2.54	ug/l	86
36) 1,1-Dichloropropene	7.67	75	89914	3.84	ug/l #	48
38) Carbon Tetrachloride	7.66	117	116748	5.12	ug/l #	18
43) Isopropyl Acetate	8.30	43	266514	9.35	ug/l #	62
44) Trichloroethene	8.84	130	19640	0.91	ug/l	91
49) 1,4-Dioxane	9.20	88	161	0.99	ug/l #	1
60) Dibromochloromethane	10.63	129	4835	0.28	ug/l #	11
64) Tetrachloroethene	10.64	164	5793	0.25	ug/l	93
67) Ethyl Benzene	11.52	91	40467	0.54	ug/l	92
68) m/p-Xylenes	11.62	106	120308	4.17	ug/l	99
69) o-Xylene	11.95	106	176350	6.38	ug/l	99
70) Styrene	11.95	104	13435	0.30	ug/l #	1
71) Bromoform	12.40	173	5680	0.52	ug/l #	1
73) Isopropylbenzene	12.25	105	184623	2.83	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	193	Below	Cal #	8
76) 1,2,3-Trichloropropane	12.66	75	21648	1.65	ug/l #	100
78) n-propylbenzene	12.60	91	543885	7.27	ug/l	100
79) 2-Chlorotoluene	12.66	91	318128	6.72	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.74	105	2397667	44.18	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.41	75	431320	111.42	ug/l #	13
82) 4-Chlorotoluene	12.73	91	246817	5.18	ug/l #	40
83) tert-Butylbenzene	13.00	119	41062	0.88	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	8069722	144.72	ug/l	100
85) sec-Butylbenzene	13.04	105	8069722	130.66	ug/l #	56
86) p-Isopropyltoluene	13.29	119	173715	3.25	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1527	Below	Cal #	37

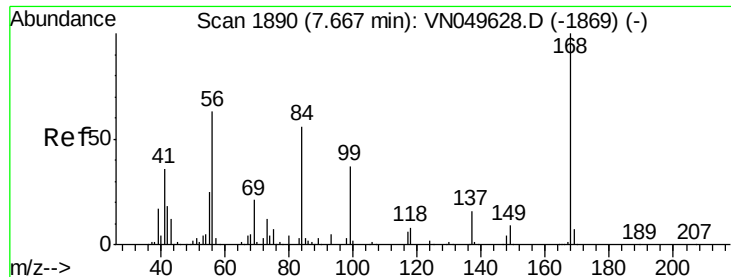
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
Data File : VN049690.D
Acq On : 3 Jul 2018 13:45
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	13.37	146	1918	Below Cal	#	1
89) n-Butylbenzene	13.62	91	38769	0.85 ug/l	#	60
90) Hexachloroethane	13.89	117	20938	3.73 ug/l	#	4
91) 1,2-Dichlorobenzene	13.67	146	1361	Below Cal	#	78
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1028	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	1362	2.49 ug/l	#	1
94) Hexachlorobutadiene	15.02	225	316	Below Cal	#	50
95) Naphthalene	15.14	128	39773	5.14 ug/l		98
96) 1,2,3-Trichlorobenzene	15.32	180	1395	1.74 ug/l		86

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

Instrument :

MSVOA_N

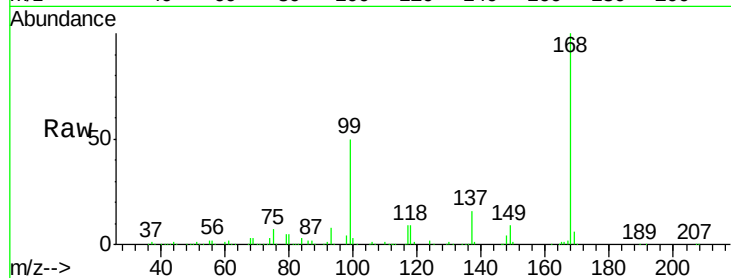
ClientSampleId :

Tot Ion:168 Resp: 1321502

Ion Ratio Lower Upper

168 100

99 50.1 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN049628.D (-1869) (-)

Ion 98.90 (98.60 to 99.60): VN049628.D (-1869) (-)

7.67

600000

500000

400000

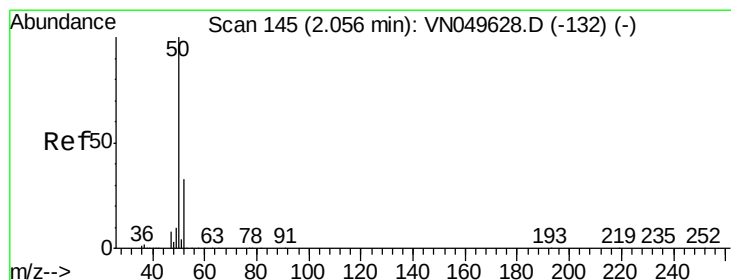
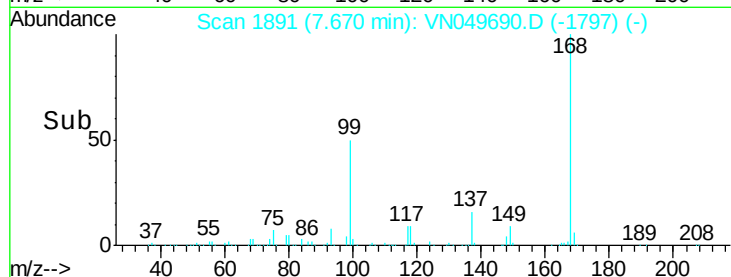
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.34 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049690.D

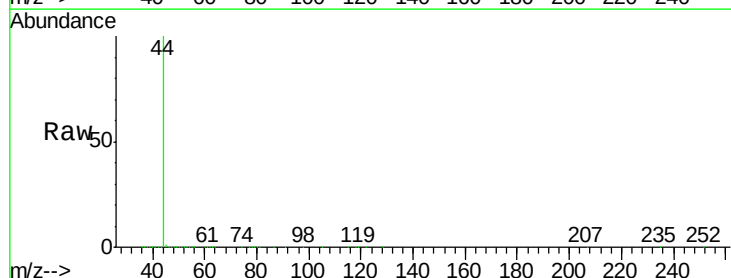
Acq: 3 Jul 2018 13:45

Tgt Ion: 50 Resp: 6348

Ion Ratio Lower Upper

50 100

52 40.9 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VN049628.D (-132) (-)

Ion 51.90 (51.60 to 52.60): VN049628.D (-132) (-)

2.06

5000

4000

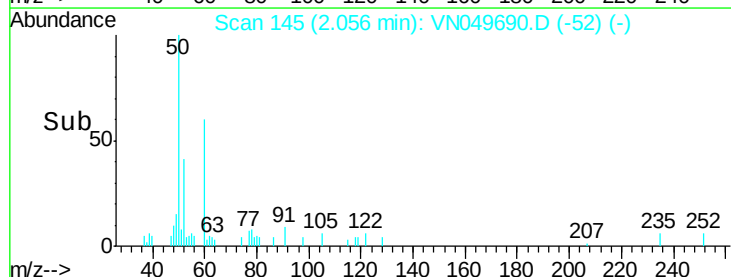
3000

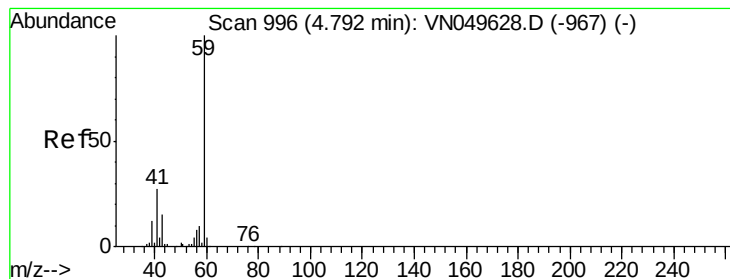
2000

1000

0

Time--> 2.00 2.05 2.10





#11

Tert butyl alcohol

Concen: 0.34 ug/l

RT: 4.79 min Scan# 996

Delta R.T. -0.00 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

Instrument :

MSVOA_N

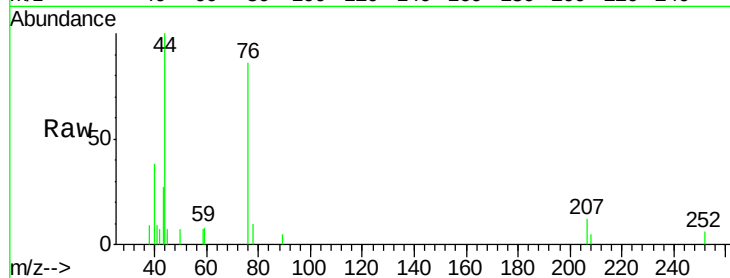
ClientSampleId :

Tot Ion: 59 Resp: 340

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



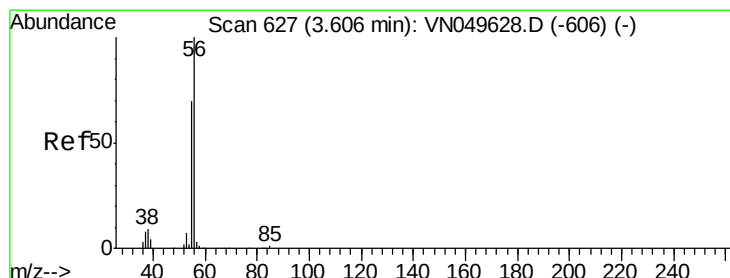
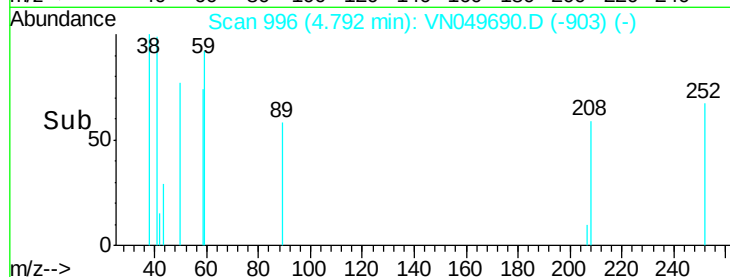
Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.79

4.78 4.79 4.80 4.81 4.82

Time-->



#13

Acrolein

Concen: 0.74 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049690.D

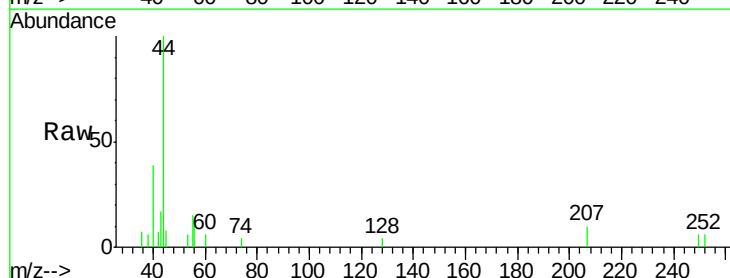
Acq: 3 Jul 2018 13:45

Tgt Ion: 56 Resp: 692

Ion Ratio Lower Upper

56 100

55 188.3 55.8 83.8#



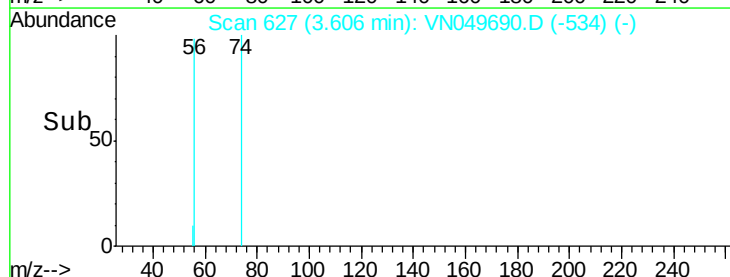
Abundance Ion 56.00 (55.70 to 56.70): VN0

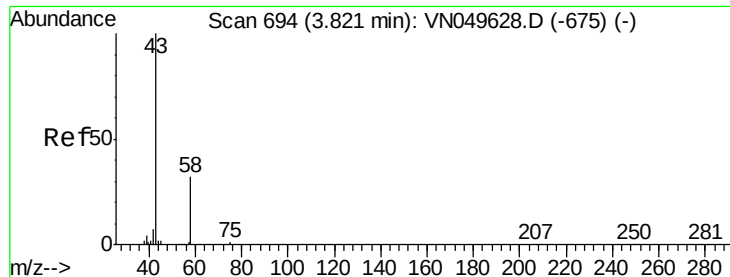
Ion 55.00 (54.70 to 55.70): VN0

3.61

3.58 3.60 3.62

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

Instrument :

MSVOA_N

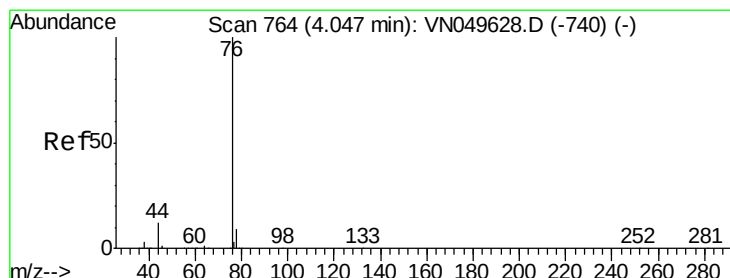
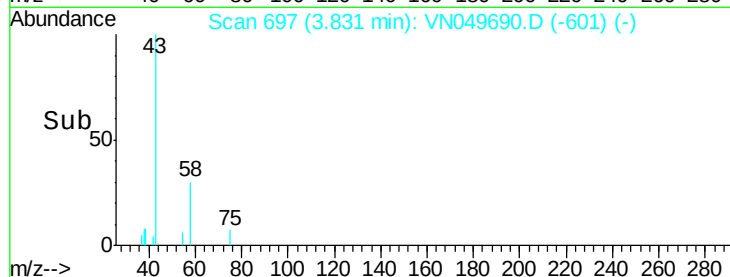
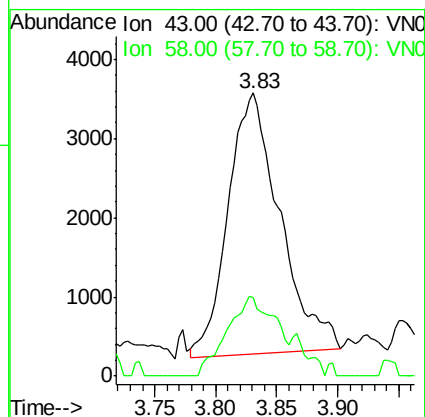
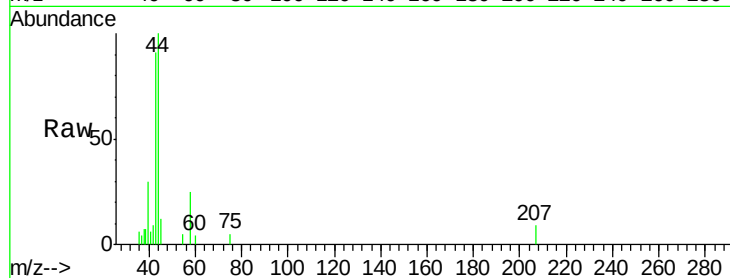
ClientSampled :

Tot Ion: 43 Resp: 9740

Ion Ratio Lower Upper

43 100

58 30.6 25.9 38.9



#17

Carbon Disulfide

Concen: 1.75 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.00 min

Lab File: VN049690.D

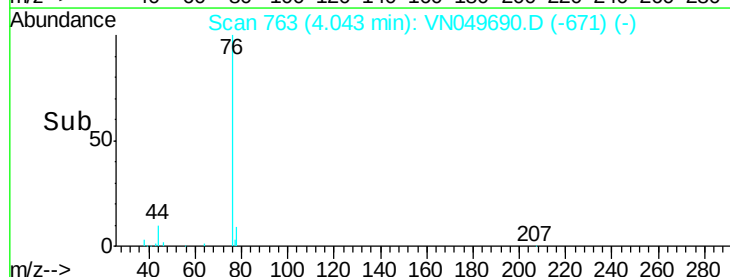
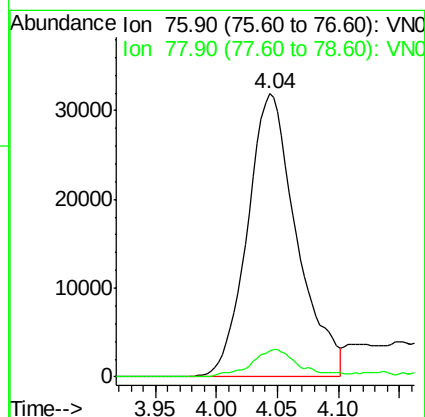
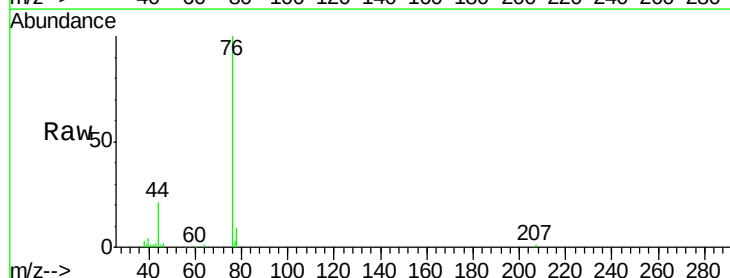
Acq: 3 Jul 2018 13:45

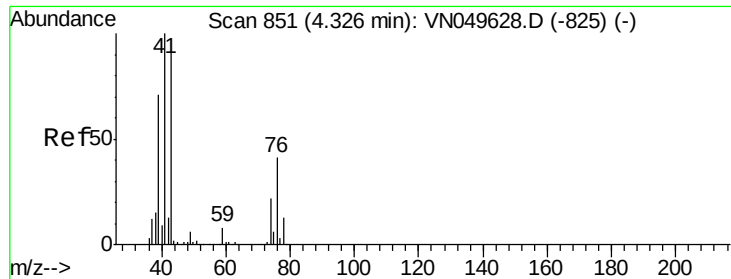
Tgt Ion: 76 Resp: 89388

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7





#18

Methvl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

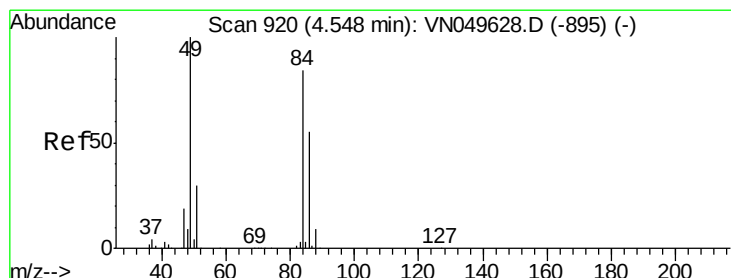
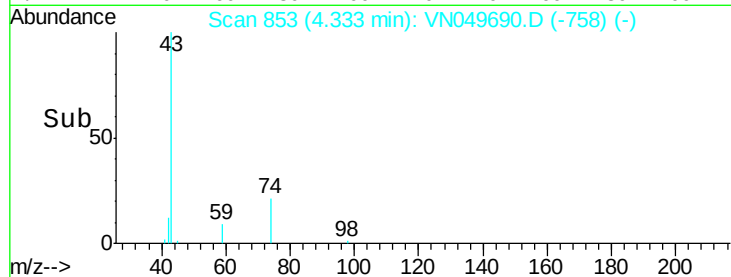
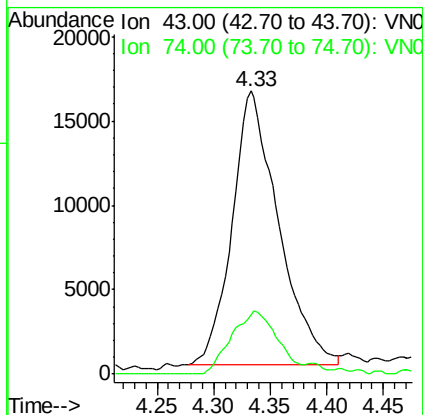
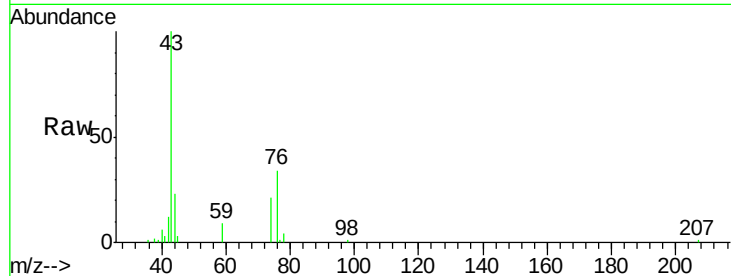
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 46418

Ion Ratio Lower Upper

43 100

74 22.7 19.8 29.8



#20

Methylene Chloride

Concen: 0.67 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

Tgt Ion: 84 Resp: 11995

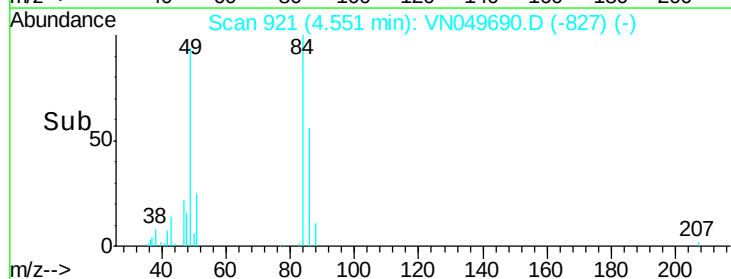
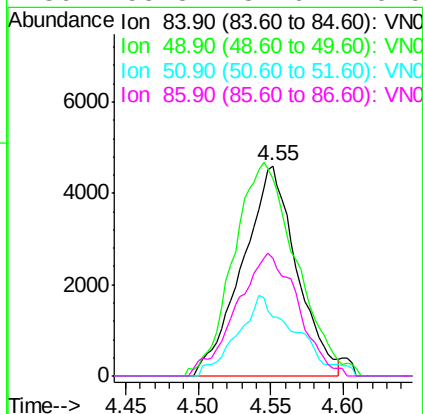
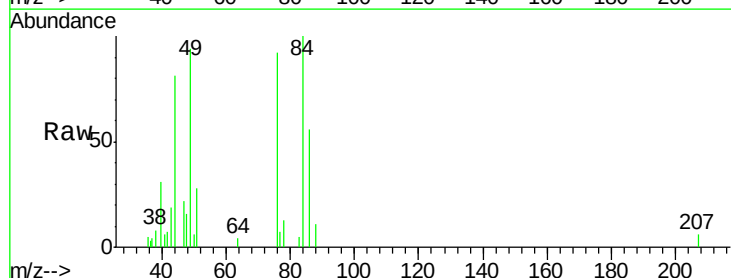
Ion Ratio Lower Upper

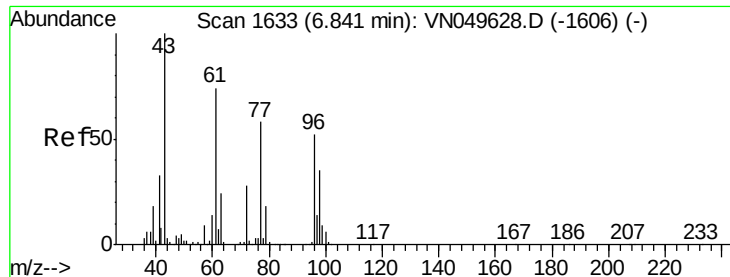
84 100

49 90.1 95.4 143.2#

51 28.2 28.4 42.6#

86 55.8 52.6 79.0

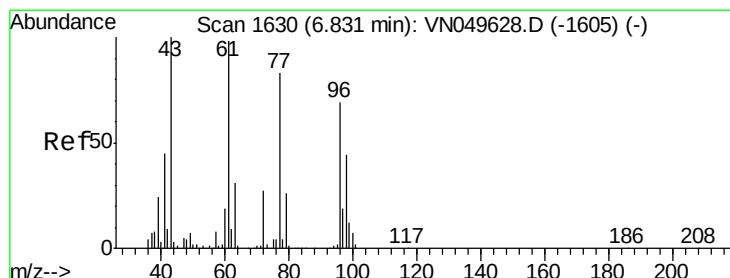
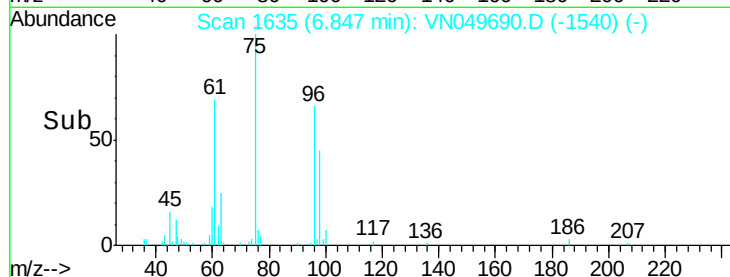
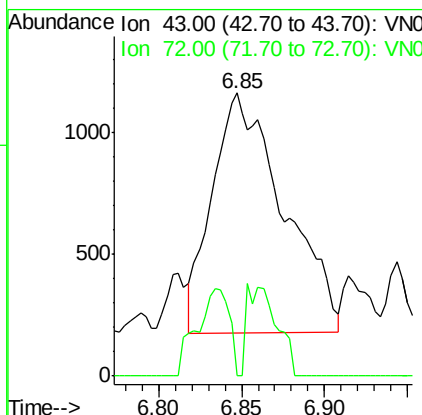
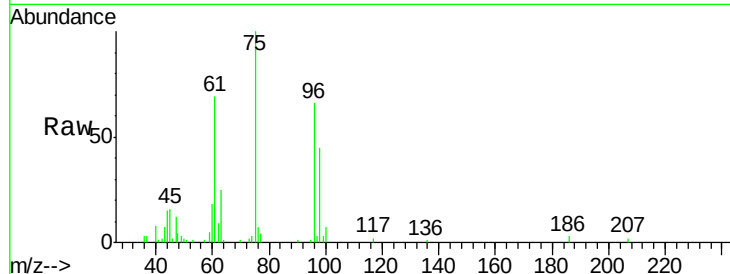




#25
2-Butanone
Concen: 0.51 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049690.D
Acq: 3 Jul 2018 13:45

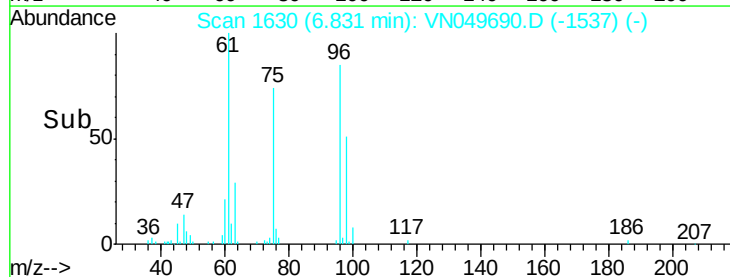
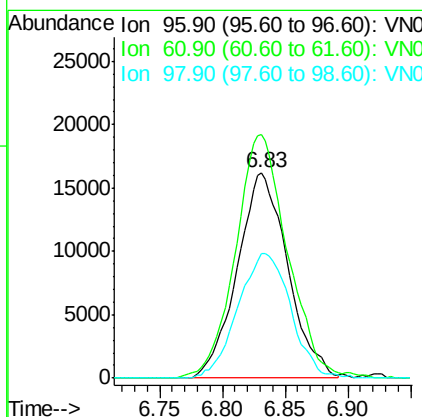
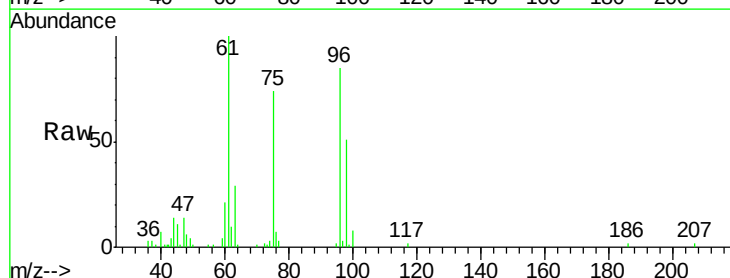
Instrument :
MSVOA_N
ClientSampled :

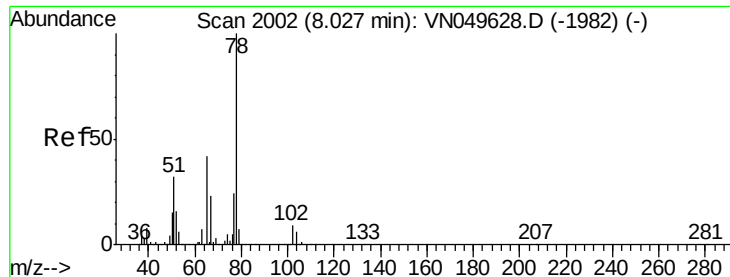
Tot Ion: 43 Resp: 2948
Ion Ratio Lower Upper
43 100
72 0.0 22.1 33.1#



#27
cis-1,2-Dichloroethene
Concen: 2.54 ug/l
RT: 6.83 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VN049690.D
Acq: 3 Jul 2018 13:45

Tgt Ion: 96 Resp: 45347
Ion Ratio Lower Upper
96 100
61 121.3 0.0 289.0
98 63.5 0.0 130.2





#33

1,2-Dichloroethane-d4

Concen: 50.65 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

Instrument :

MSVOA_N

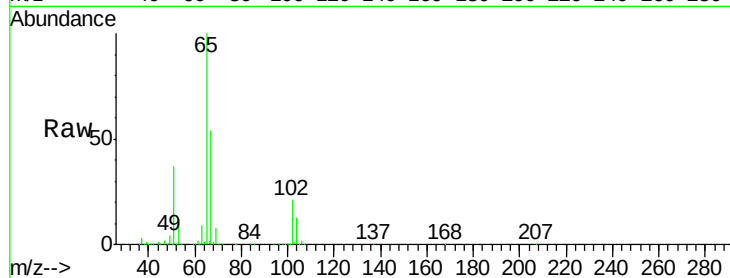
ClientSampleId :

Tot Ion: 65 Resp: 883956

Ion Ratio Lower Upper

65 100

67 54.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049628.D (-1982) (-)

Ion 66.90 (66.60 to 67.60): VN049628.D (-1982) (-)

8.03

400000

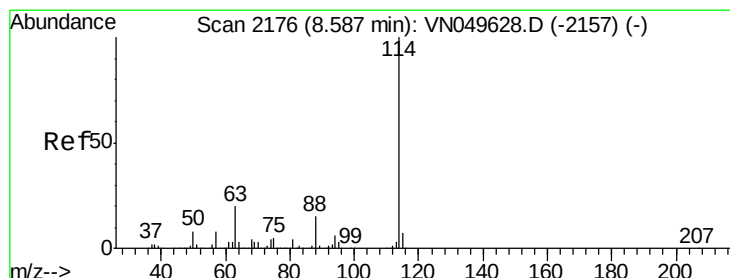
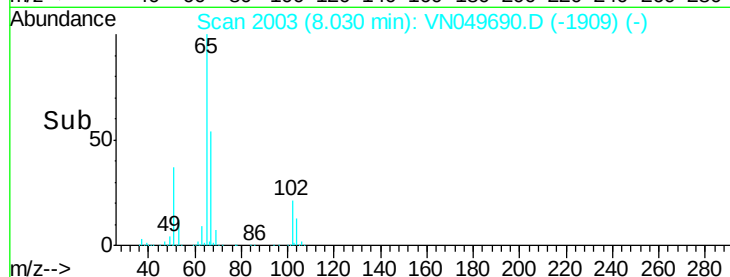
300000

200000

100000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

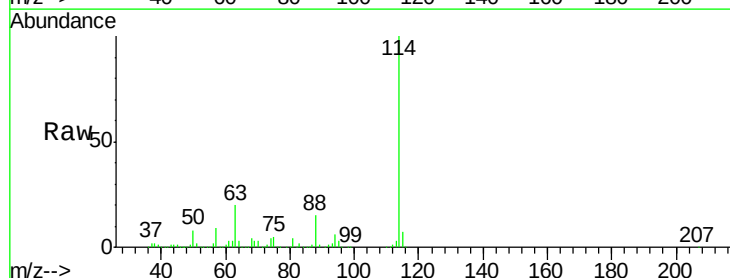
Tgt Ion: 114 Resp: 2082091

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.8

88 15.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN049628.D (-2157) (-)

Ion 63.00 (62.70 to 63.70): VN049628.D (-2157) (-)

Ion 87.90 (87.60 to 88.60): VN049628.D (-2157) (-)

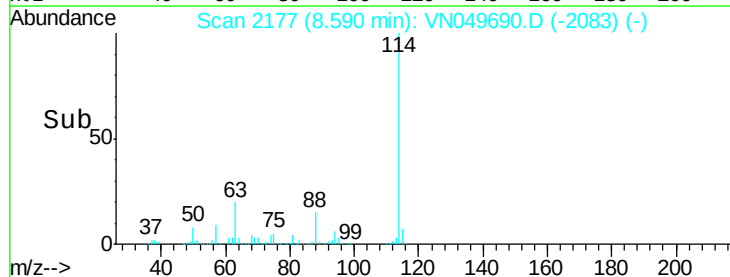
8.59

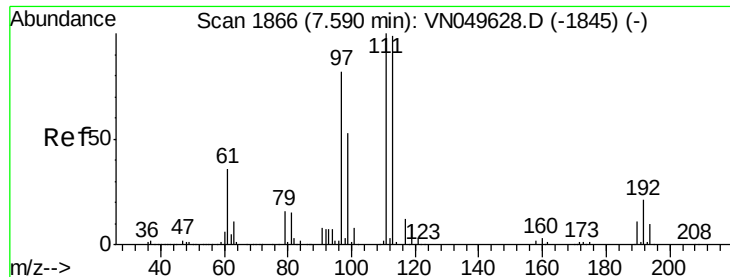
1000000

500000

0

Time--> 8.50 8.60 8.70 8.80

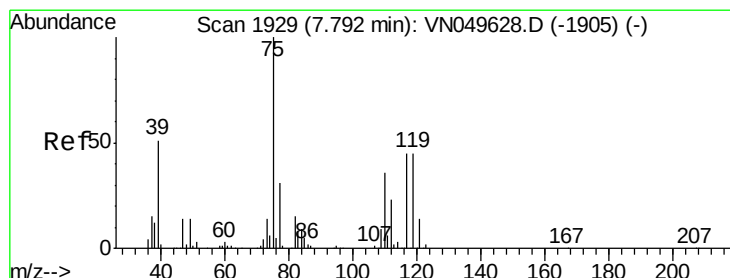
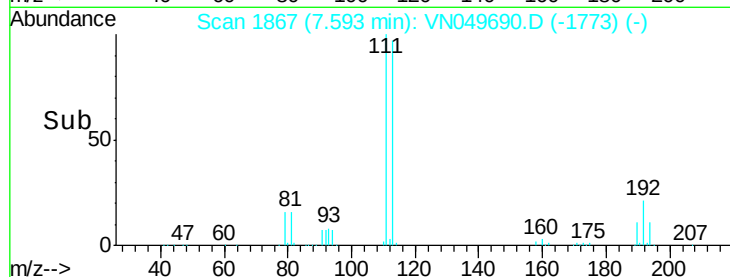
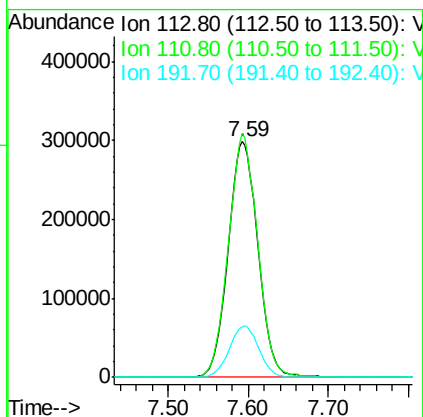
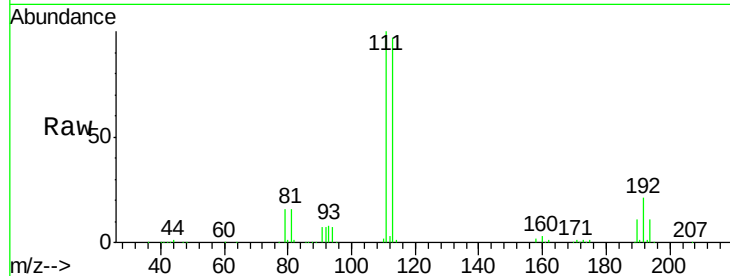




#35
 Dibromofluoromethane
 Concen: 48.32 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049690.D
 Acq: 3 Jul 2018 13:45

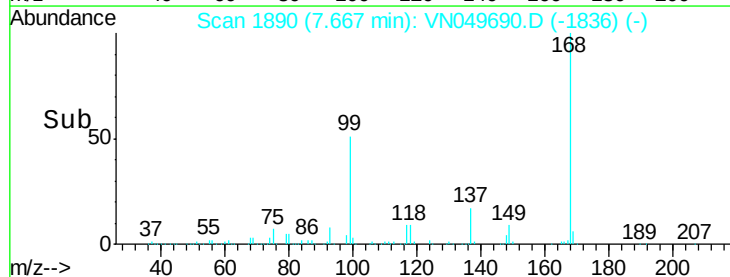
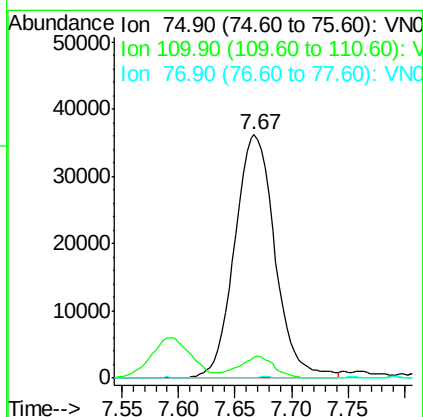
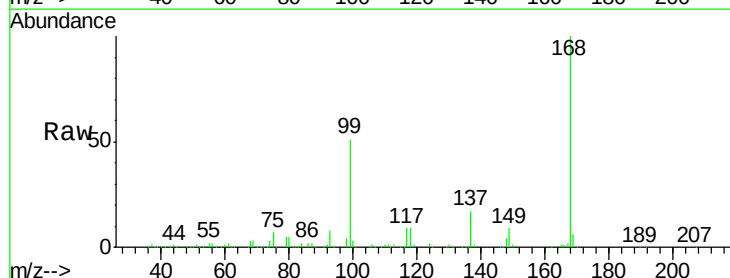
Instrument :
 MSVOA_N
 ClientSampleId :

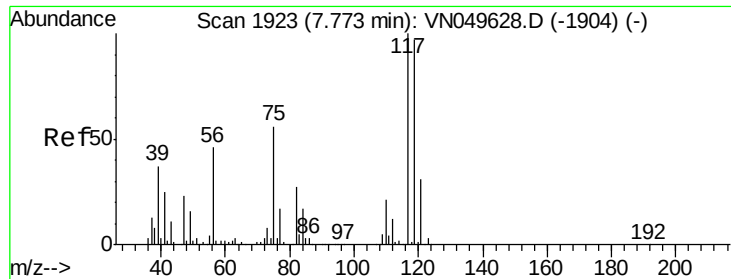
Tot Ion:113 Resp: 752194
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.8 122.8
 192 21.6 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.84 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049690.D
 Acq: 3 Jul 2018 13:45

Tgt Ion: 75 Resp: 89914
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.1 54.4#
 77 0.1 24.9 37.3#

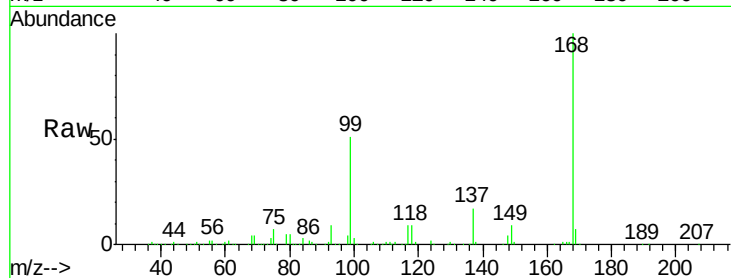




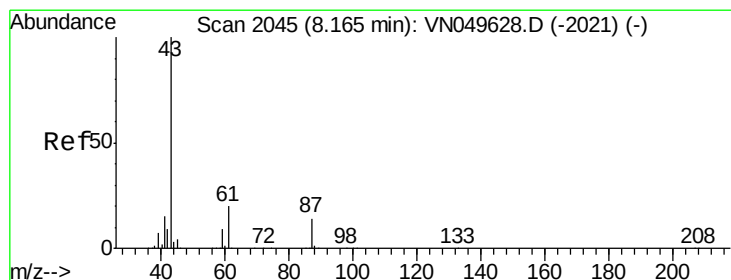
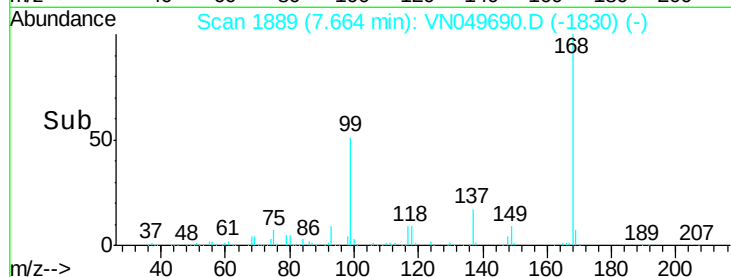
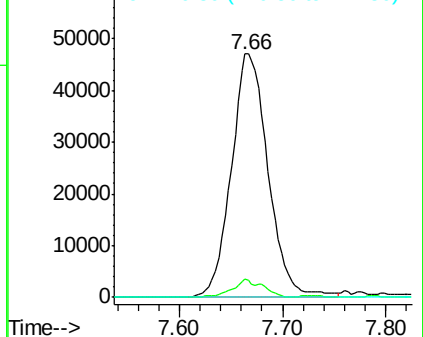
#38
Carbon Tetrachloride
Concen: 5.12 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. -0.11 min
Lab File: VN049690.D
Acq: 3 Jul 2018 13:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 116748
Ion Ratio Lower Upper
117 100
119 7.5 77.2 115.8#
121 0.0 25.0 37.6#

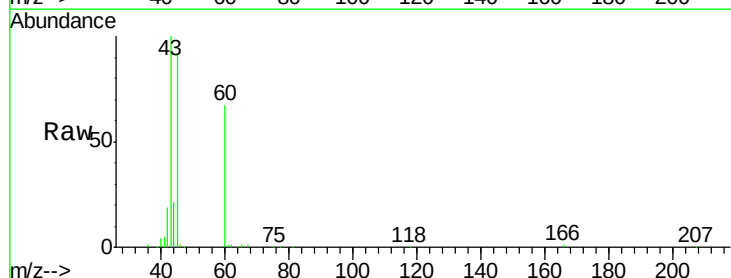


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

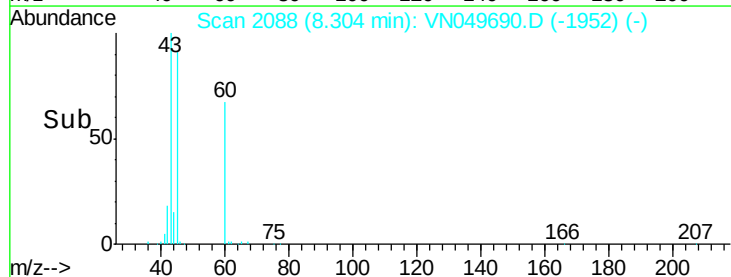
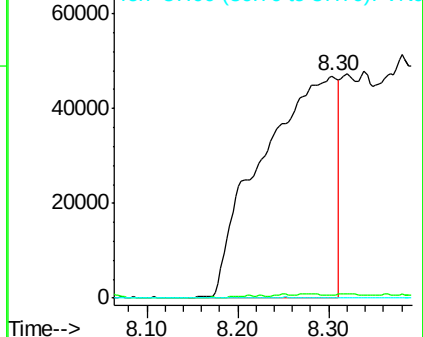


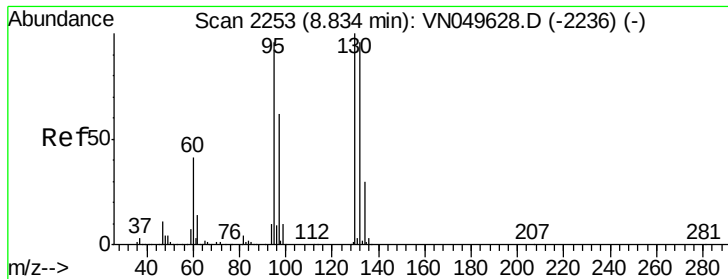
#43
Isopropyl Acetate
Concen: 9.35 ug/l
RT: 8.30 min Scan# 2088
Delta R.T. 0.14 min
Lab File: VN049690.D
Acq: 3 Jul 2018 13:45

Tgt Ion: 43 Resp: 266514
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
87 0.0 10.0 15.0#



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





#44

Trichloroethene

Concen: 0.91 ug/l

RT: 8.84 min Scan# 2255

Delta R.T. 0.01 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

Instrument :

MSVOA_N

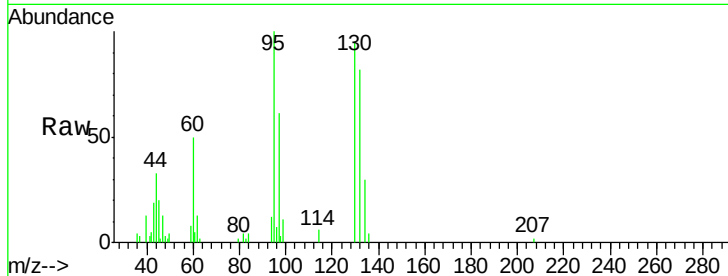
ClientSampled :

Tot Ion:130 Resp: 19640

Ion Ratio Lower Upper

130 100

95 105.4 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.84

12000

10000

8000

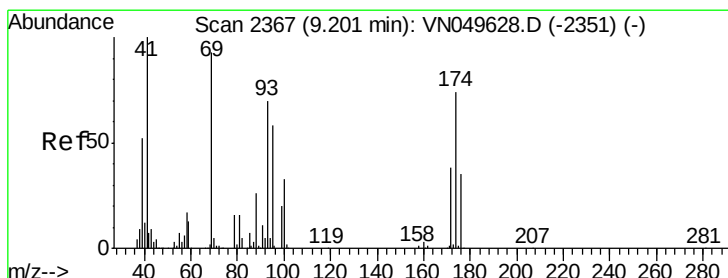
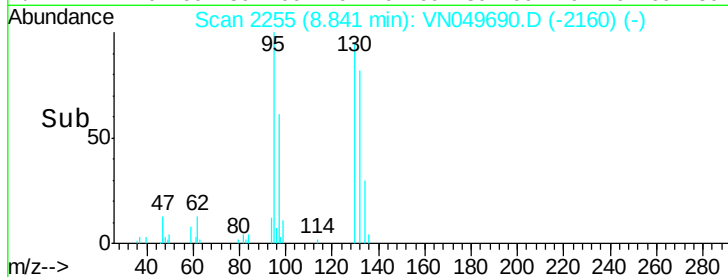
6000

4000

2000

0

Time--> 8.75 8.80 8.85 8.90



#49

1,4-Dioxane

Concen: 0.99 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

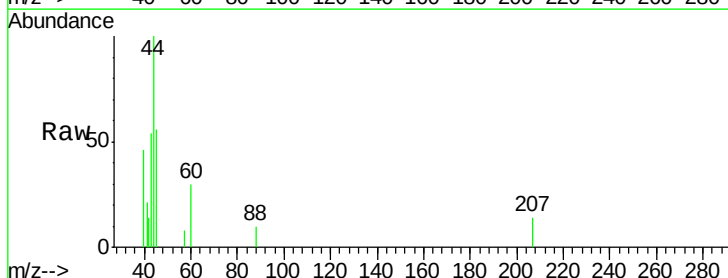
Tgt Ion: 88 Resp: 161

Ion Ratio Lower Upper

88 100

43 173.3 25.1 37.7#

58 146.6 52.5 78.7#



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

2000

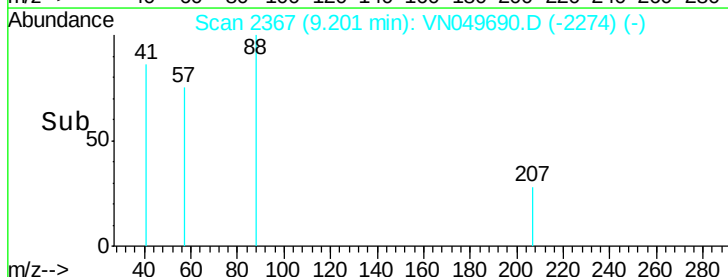
1500

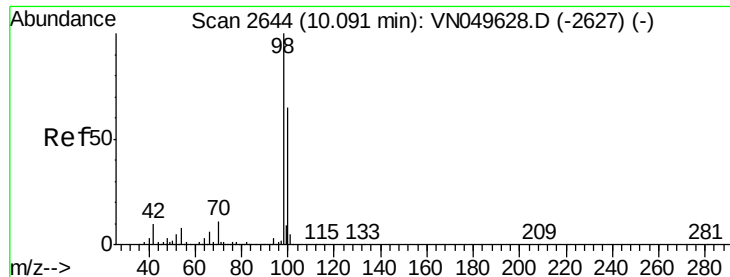
1000

500

0

Time--> 9.18 9.19 9.20 9.21

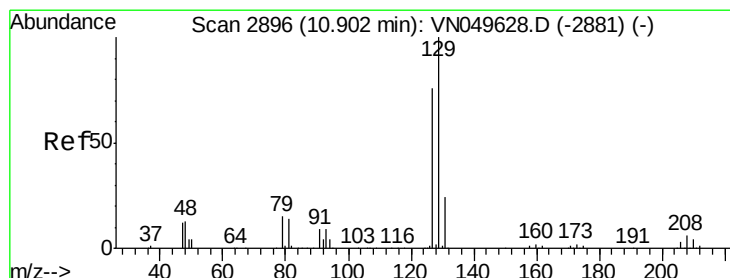
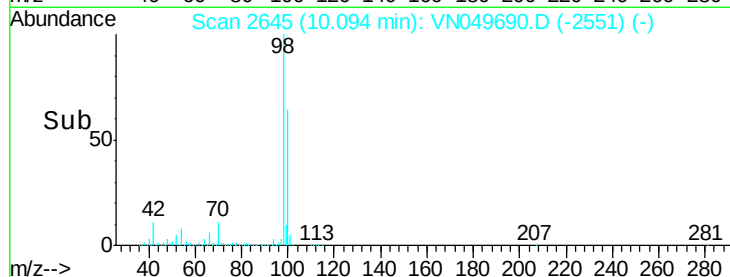
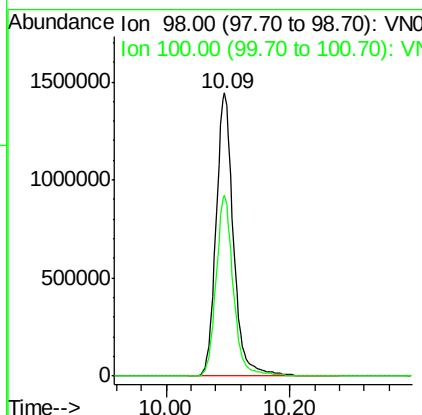
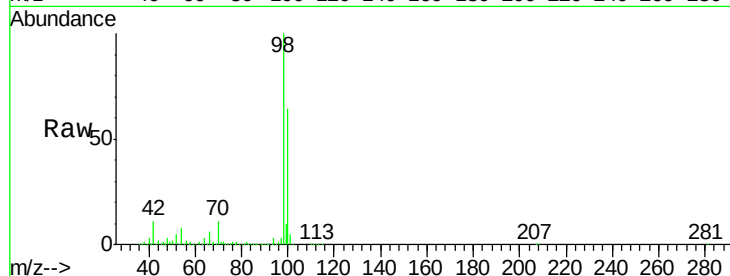




#50
Toluene-d8
Concen: 46.24 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049690.D
Acq: 3 Jul 2018 13:45

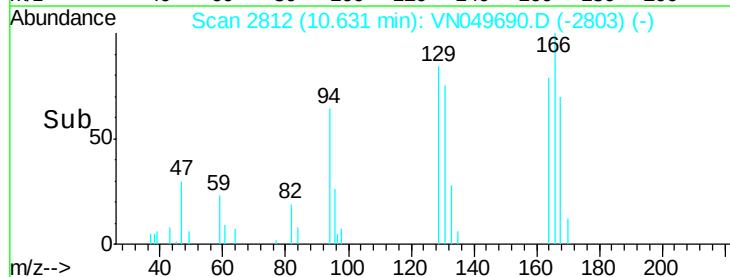
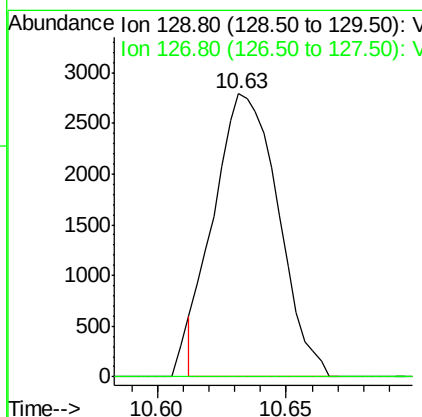
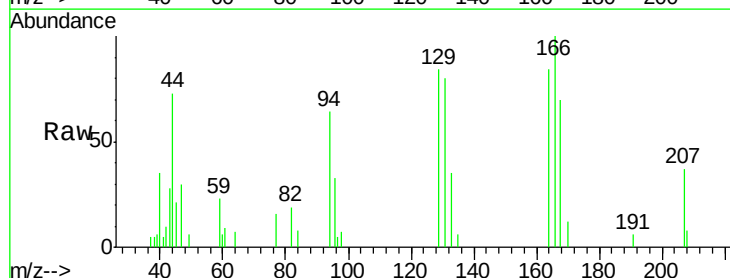
Instrument :
MSVOA_N
ClientSampled :

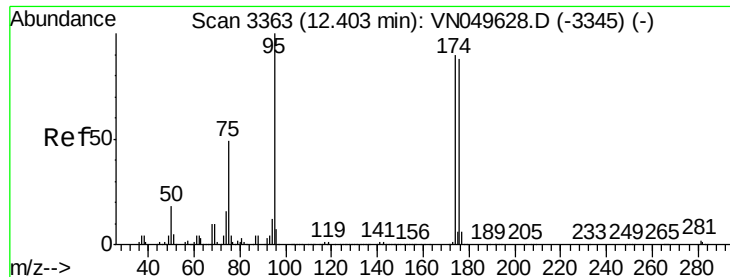
Tot Ion: 98 Resp: 2817344
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#60
Dibromochloromethane
Concen: 0.28 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.27 min
Lab File: VN049690.D
Acq: 3 Jul 2018 13:45

Tgt Ion: 129 Resp: 4835
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#

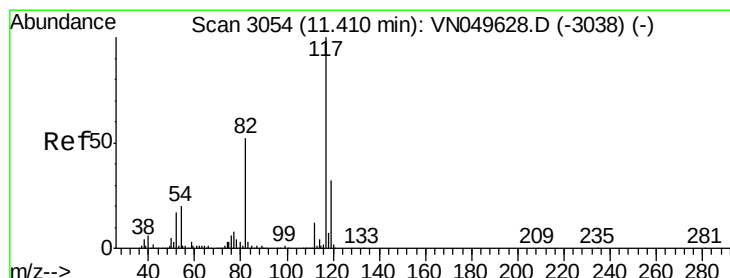
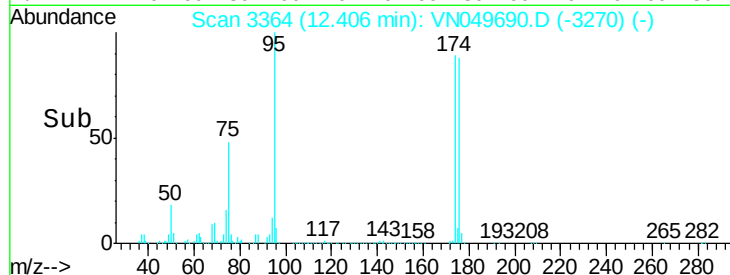
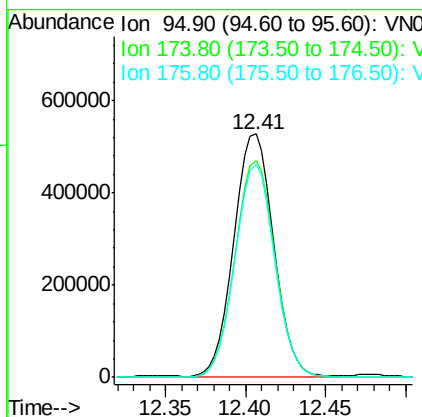
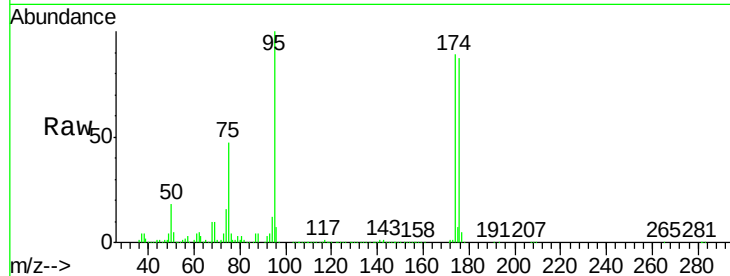




#62
4-Bromofluorobenzene
Concen: 42.83 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN049690.D
Acq: 3 Jul 2018 13:45

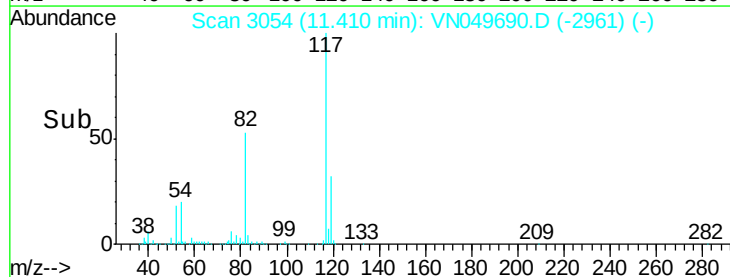
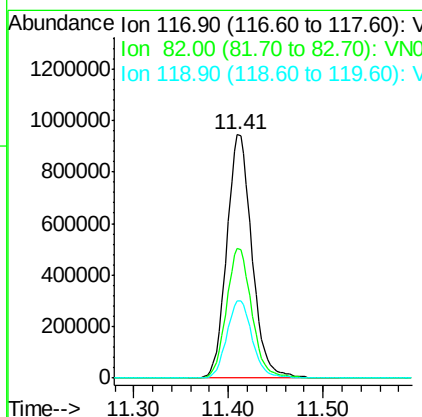
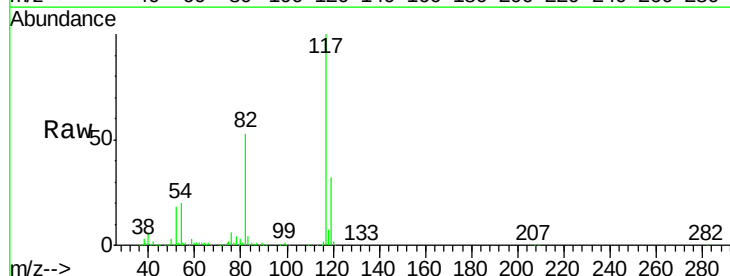
Instrument :
MSVOA_N
ClientSampleId :

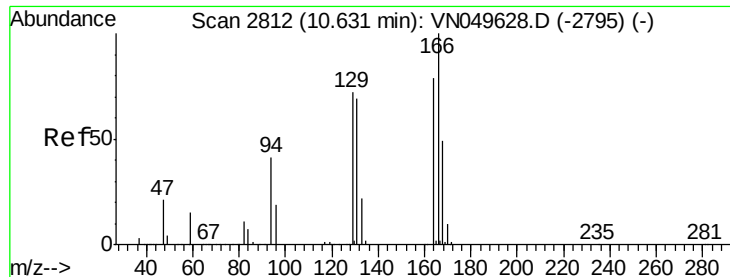
Tot Ion: 95 Resp: 890884
Ion Ratio Lower Upper
95 100
174 90.3 0.0 179.6
176 87.6 0.0 174.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049690.D
Acq: 3 Jul 2018 13:45

Tgt Ion: 117 Resp: 1746180
Ion Ratio Lower Upper
117 100
82 53.4 41.9 62.9
119 31.7 25.4 38.2





#64

Tetrachloroethene

Concen: 0.25 ug/l

RT: 10.64 min Scan# 2814

Delta R.T. 0.01 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 5793

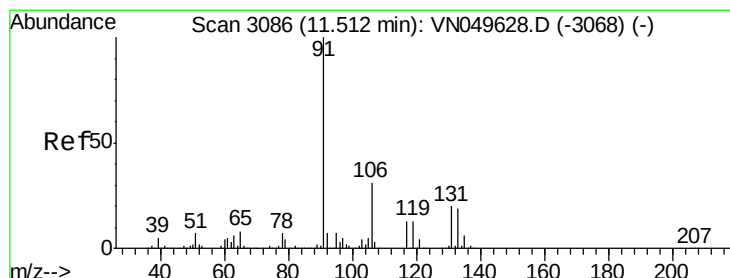
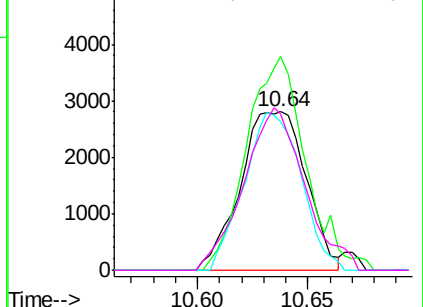
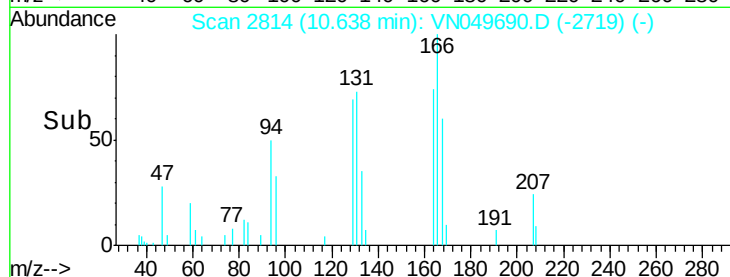
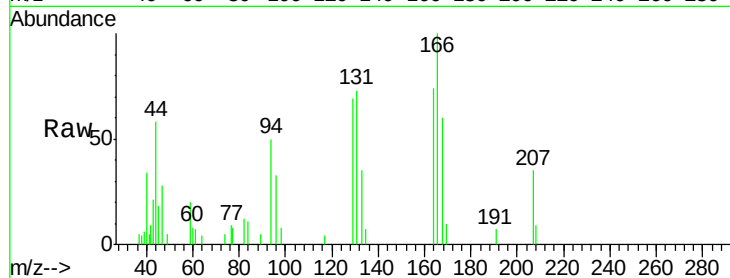
Ion Ratio Lower Upper

164 100

166 134.7 101.8 152.6

129 93.3 72.8 109.2

131 98.8 70.0 105.0



#67

Ethyl Benzene

Concen: 0.54 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN049690.D

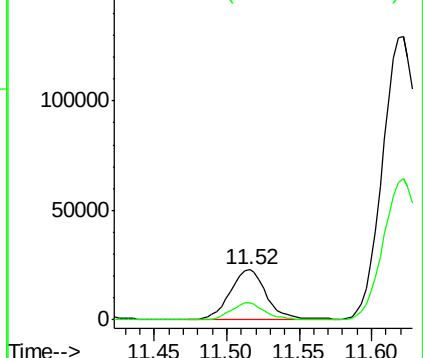
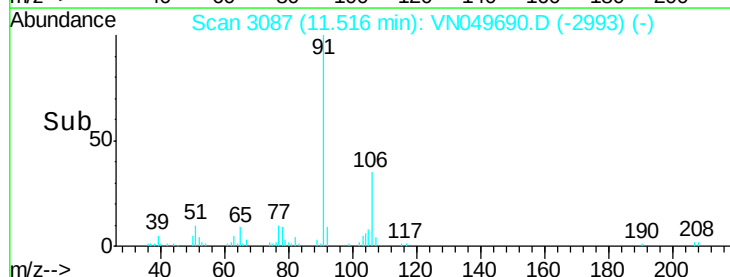
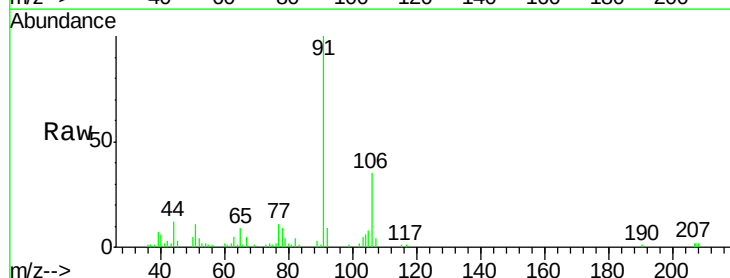
Acq: 3 Jul 2018 13:45

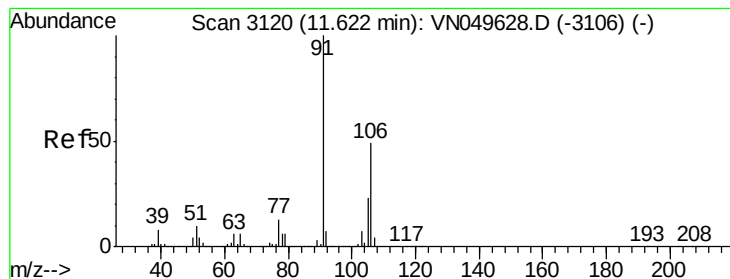
Tgt Ion: 91 Resp: 40467

Ion Ratio Lower Upper

91 100

106 35.5 24.8 37.2





#68

m/p-Xylenes

Concen: 4.17 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

Instrument :

MSVOA_N

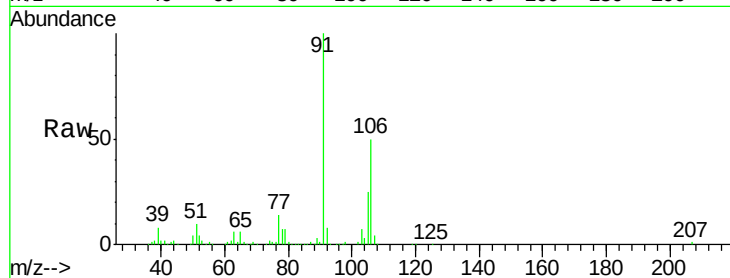
ClientSampled :

Tot Ion:106 Resp: 120308

Ion Ratio Lower Upper

106 100

91 203.2 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

150000

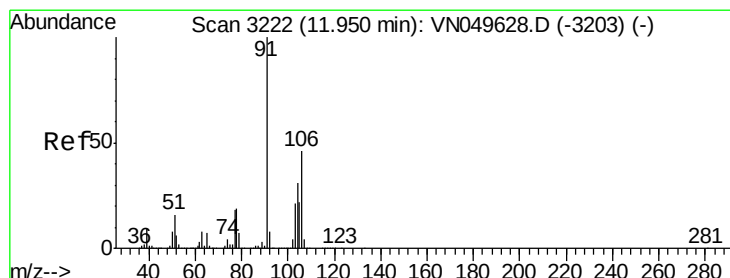
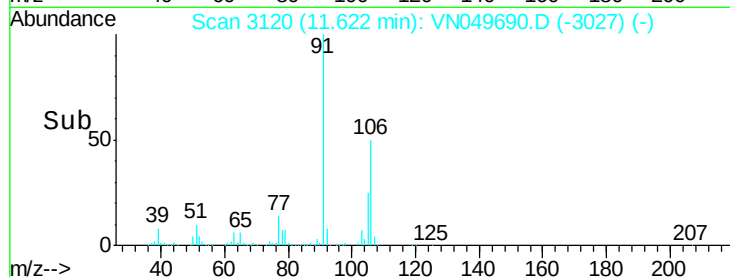
100000

50000

0

11.55 11.60 11.65 11.70

Time-->



#69

o-Xylene

Concen: 6.38 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN049690.D

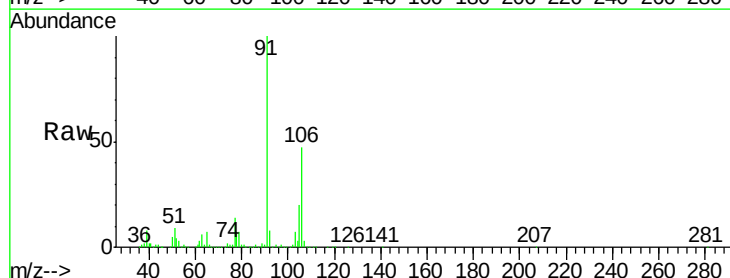
Acq: 3 Jul 2018 13:45

Tgt Ion:106 Resp: 176350

Ion Ratio Lower Upper

106 100

91 215.8 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

250000

200000

150000

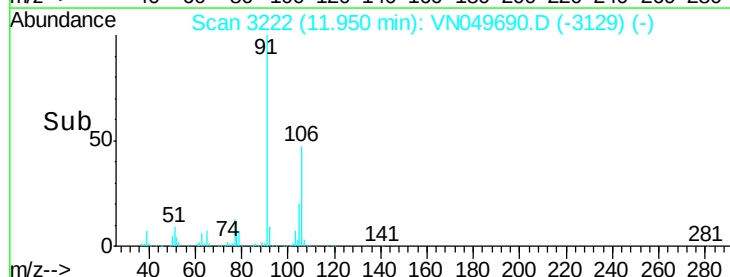
100000

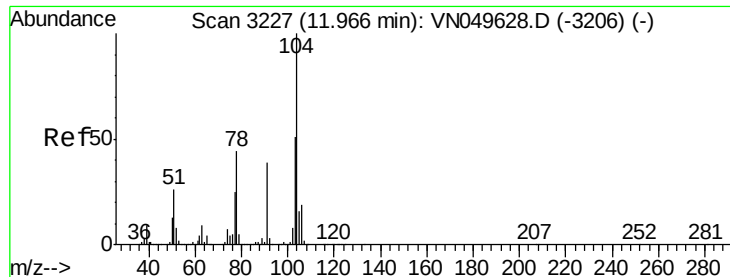
50000

0

11.90 11.95 12.00

Time-->





#70

Stvrene

Concen: 0.30 ug/l

RT: 11.95 min Scan# 3223

Delta R.T. -0.01 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

Instrument :

MSVOA_N

ClientSampled :

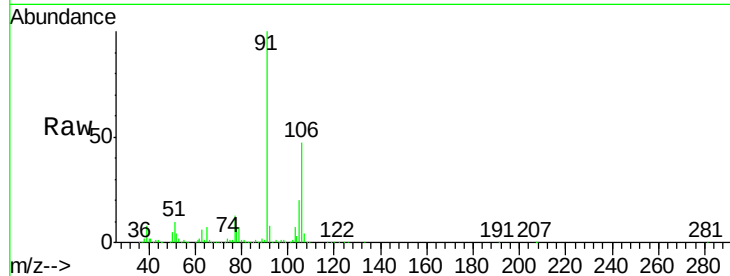
Tot Ion:104 Resp: 13435

Ion Ratio Lower Upper

104 100

78 204.9 39.2 58.8#

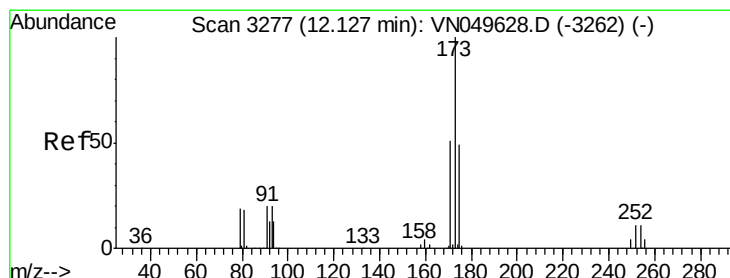
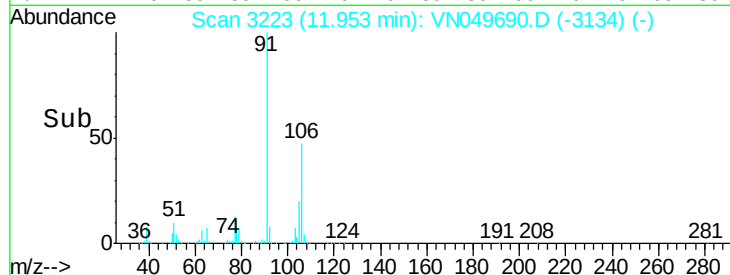
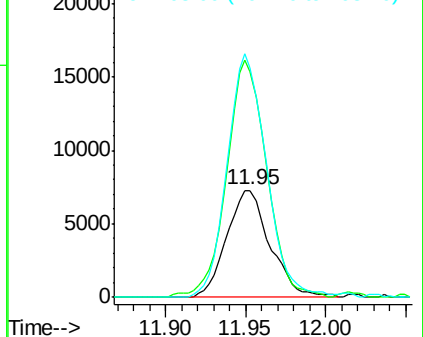
103 206.1 44.6 67.0#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.52 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

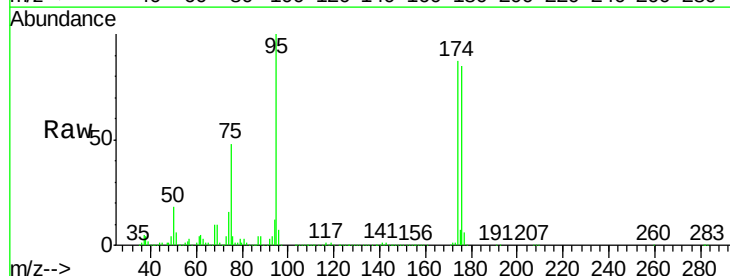
Tgt Ion:173 Resp: 5680

Ion Ratio Lower Upper

173 100

175 826.1 24.6 73.8#

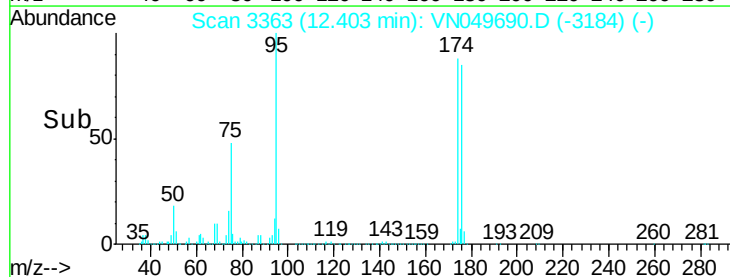
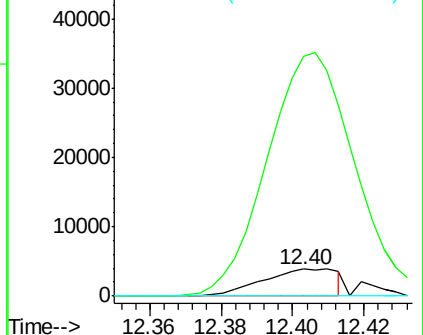
254 0.0 0.2 0.2#

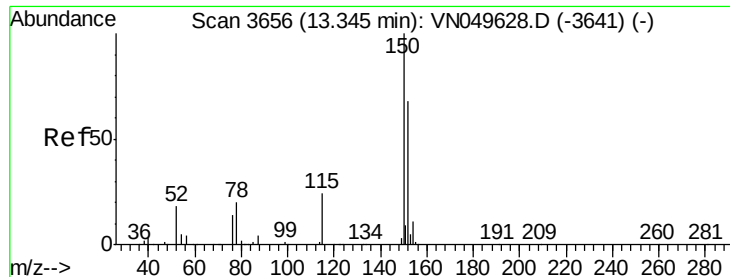


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



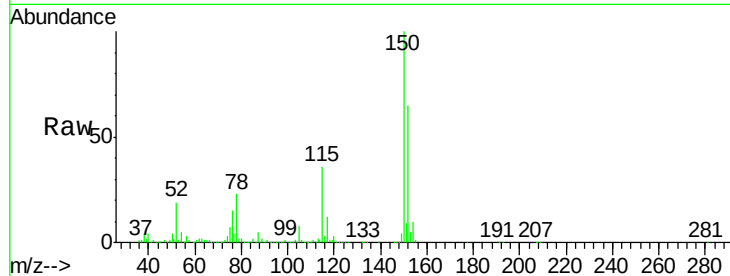


#72

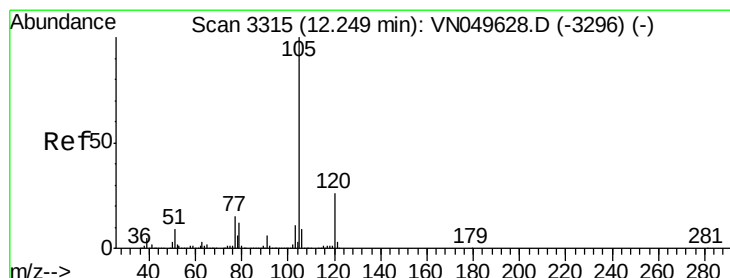
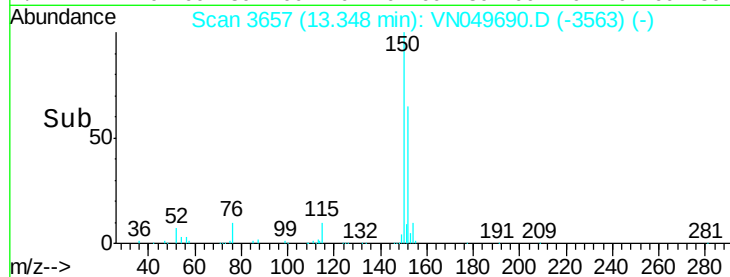
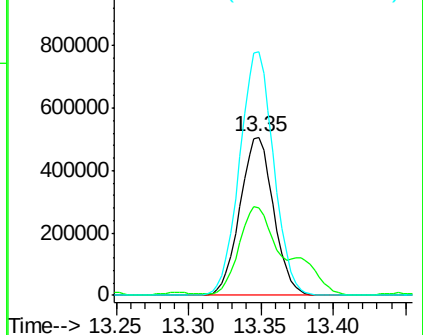
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049690.D
Acq: 3 Jul 2018 13:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 819817
Ion Ratio Lower Upper
152 100
115 58.2 28.1 84.2
150 155.8 0.0 347.6



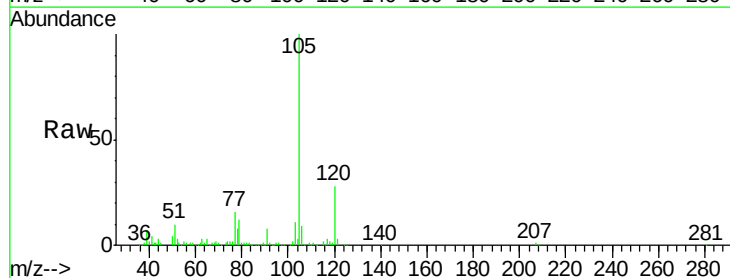
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



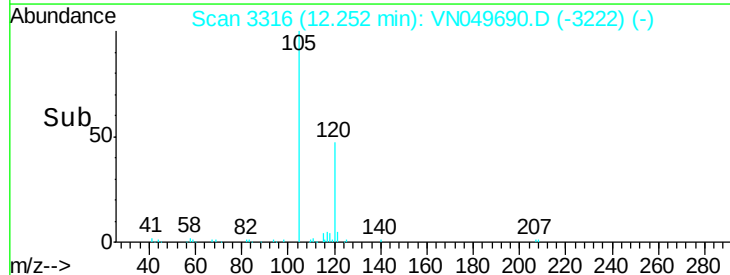
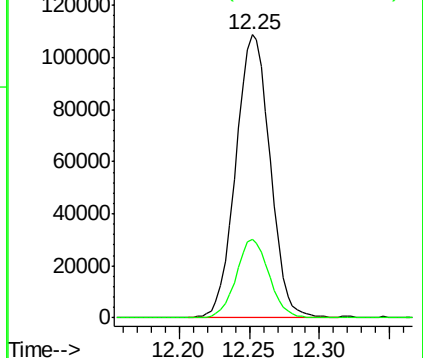
#73

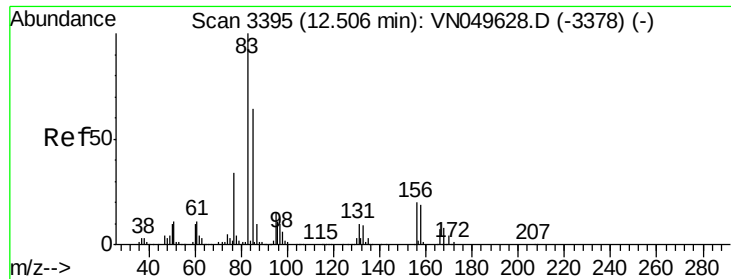
Isopropylbenzene
Concen: 2.83 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN049690.D
Acq: 3 Jul 2018 13:45

Tgt Ion:105 Resp: 184623
Ion Ratio Lower Upper
105 100
120 26.7 13.3 39.8



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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3397

Delta R.T. 0.01 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

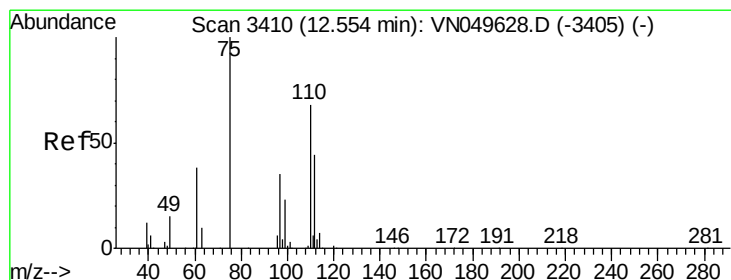
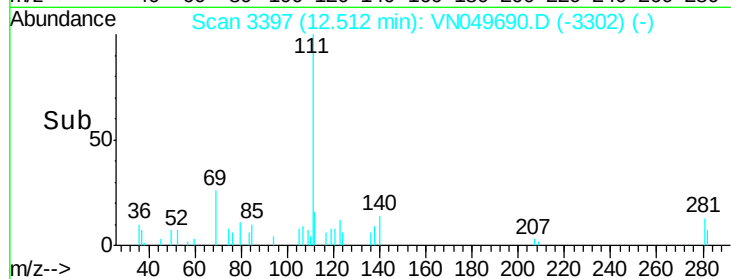
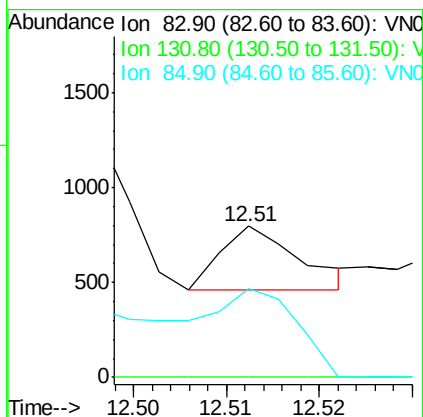
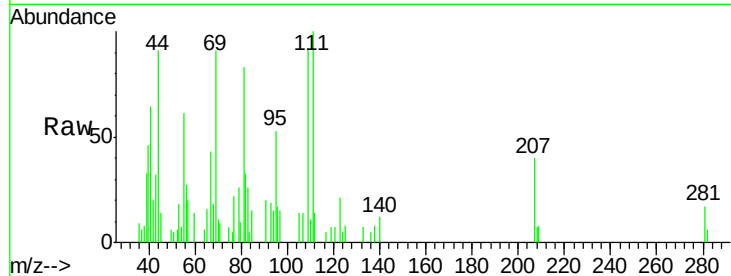
Tot Ion: 83 Resp: 193

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 145.6 32.5 97.4#



#76

1,2,3-Trichloropropane

Concen: 1.65 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. 0.10 min

Lab File: VN049690.D

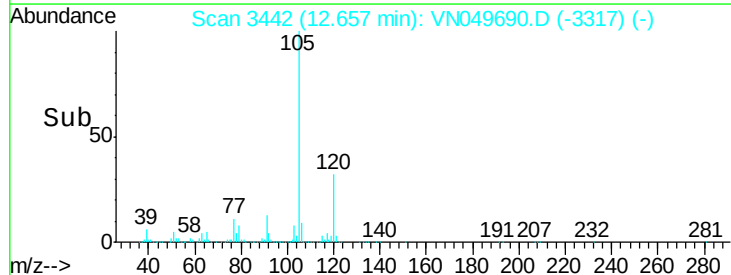
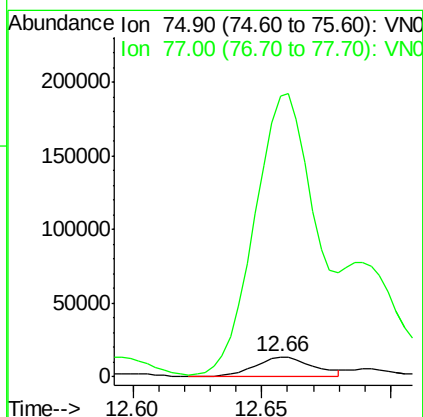
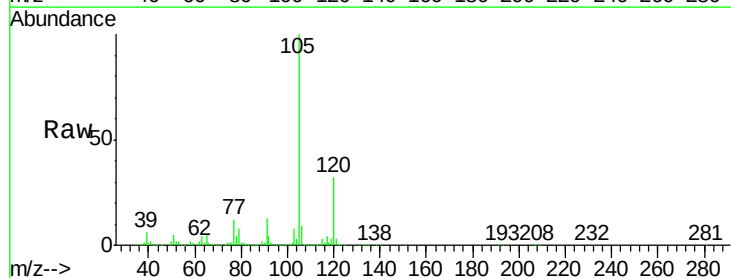
Acq: 3 Jul 2018 13:45

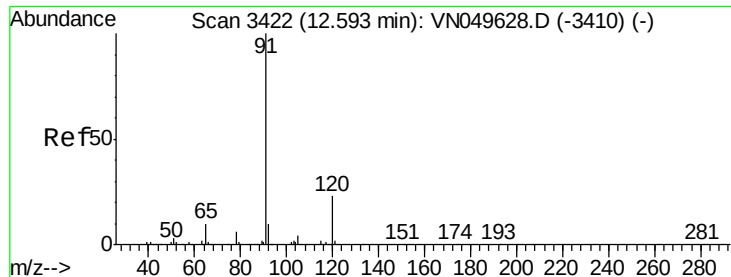
Tgt Ion: 75 Resp: 21648

Ion Ratio Lower Upper

75 100

77 1446.9 0.0 0.0#





#78

n-propylbenzene

Concen: 7.27 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

Instrument :

MSVOA_N

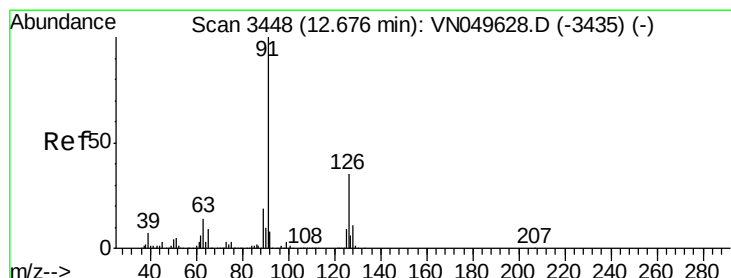
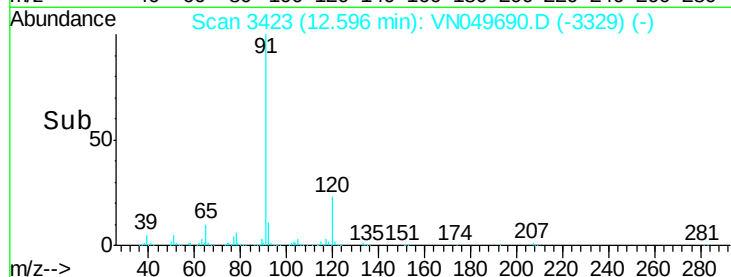
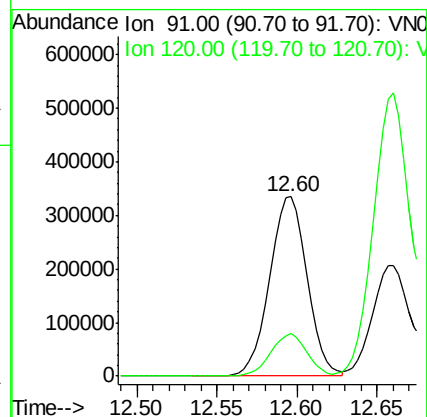
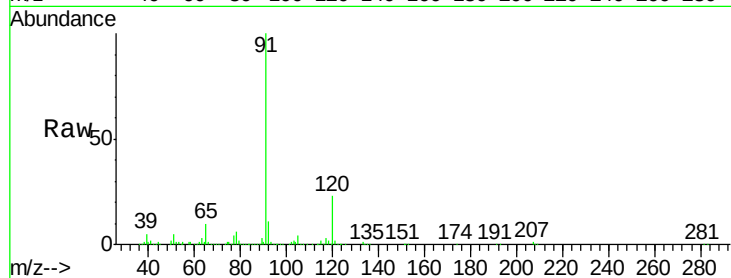
ClientSampleId :

Tot Ion: 91 Resp: 543885

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4



#79

2-Chlorotoluene

Concen: 6.72 ug/l

RT: 12.66 min Scan# 3443

Delta R.T. -0.02 min

Lab File: VN049690.D

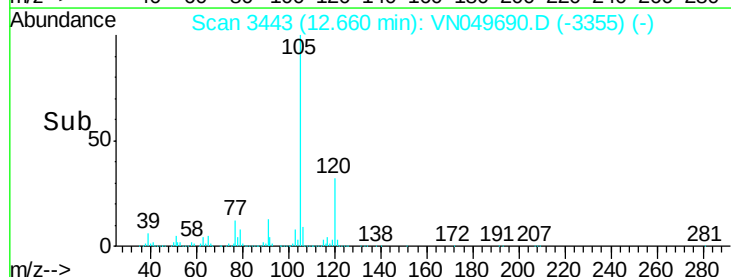
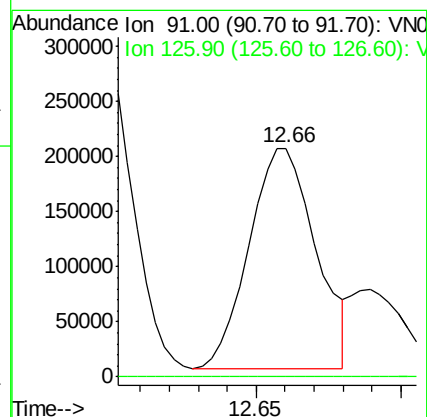
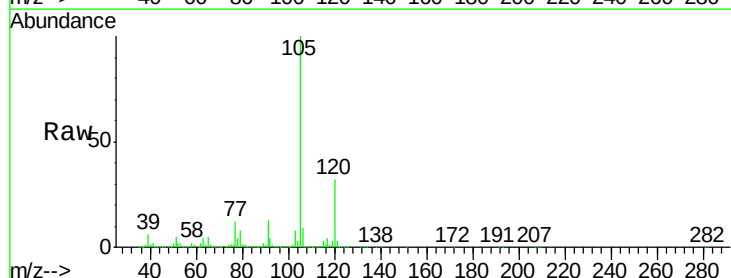
Acq: 3 Jul 2018 13:45

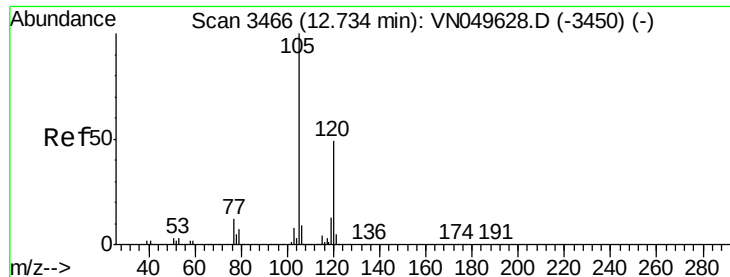
Tgt Ion: 91 Resp: 318128

Ion Ratio Lower Upper

91 100

126 0.2 17.5 52.5#





#80

1,3,5-Trimethylbenzene

Concen: 44.18 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

Instrument :

MSVOA_N

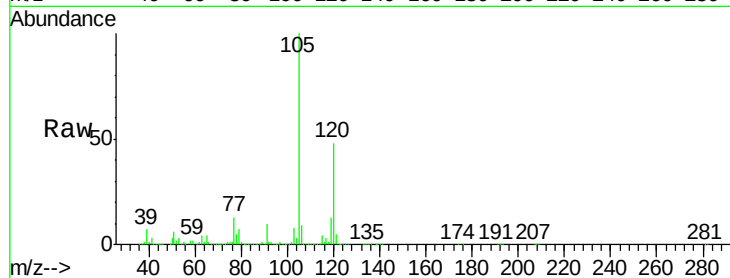
ClientSampled :

Tot Ion:105 Resp: 2397667

Ion Ratio Lower Upper

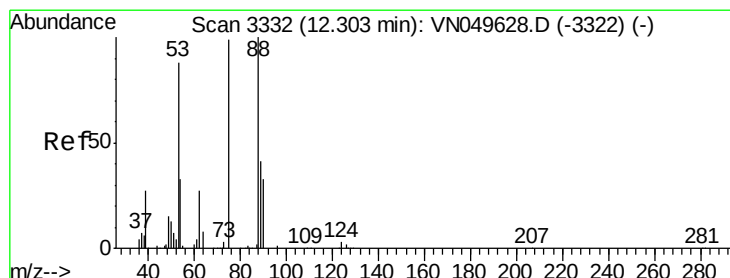
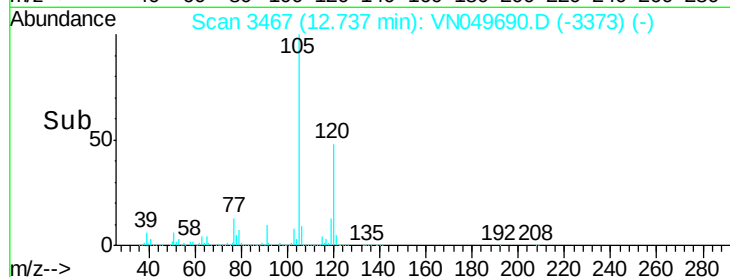
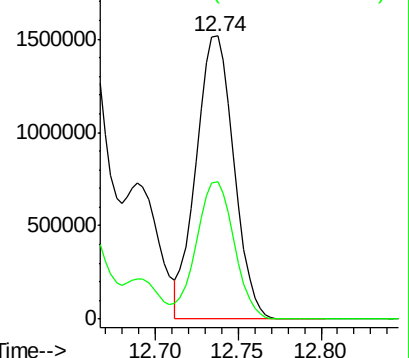
105 100

120 49.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 111.42 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

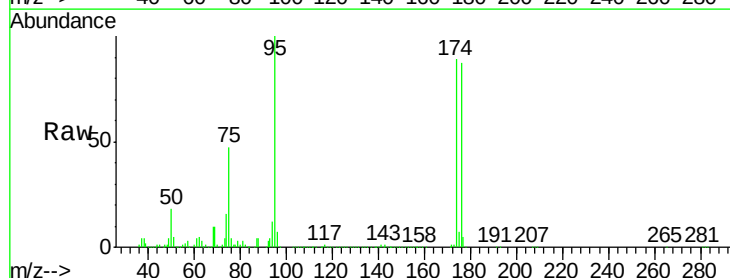
Tgt Ion: 75 Resp: 431320

Ion Ratio Lower Upper

75 100

53 0.4 73.9 110.9#

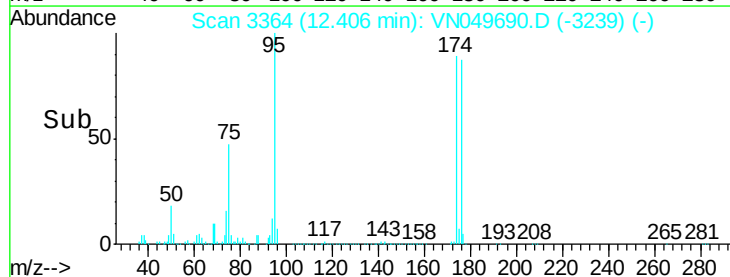
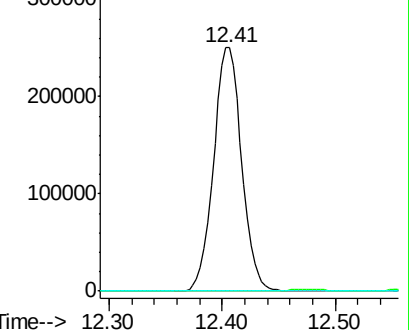
89 0.0 35.9 53.9#

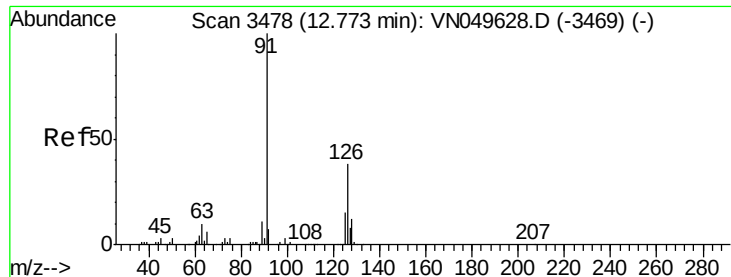


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 5.18 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

Instrument :

MSVOA_N

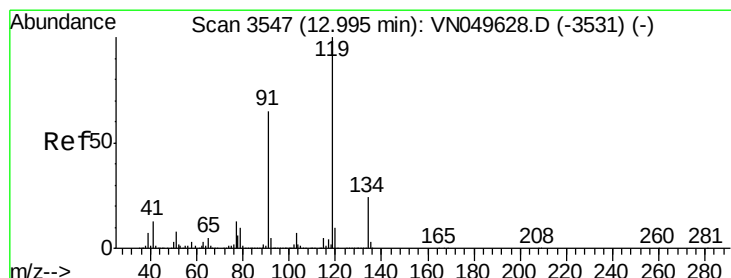
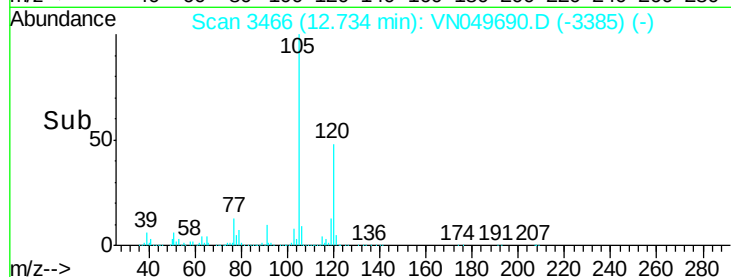
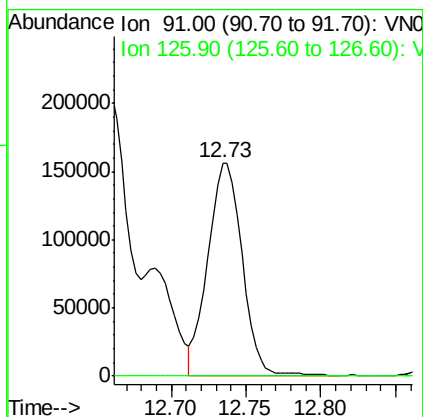
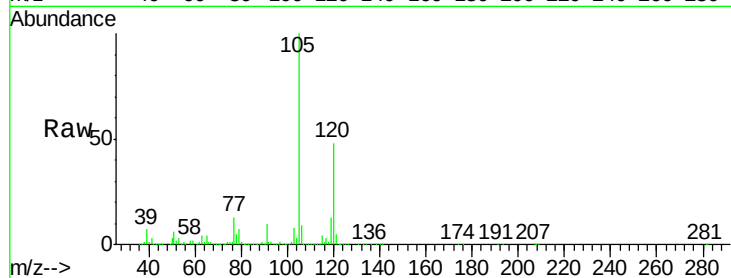
ClientSampled :

Tot Ion: 91 Resp: 246817

Ion Ratio Lower Upper

91 100

126 0.1 17.2 51.6#



#83

tert-Butylbenzene

Concen: 0.88 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

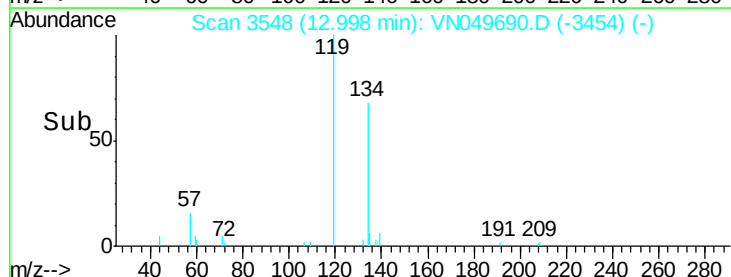
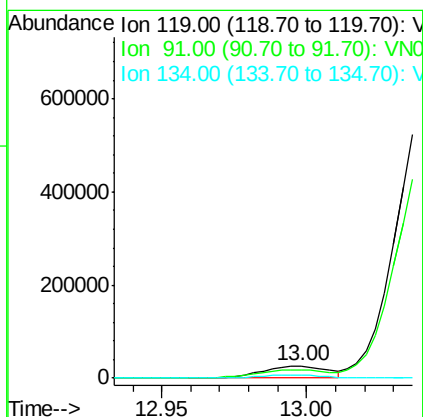
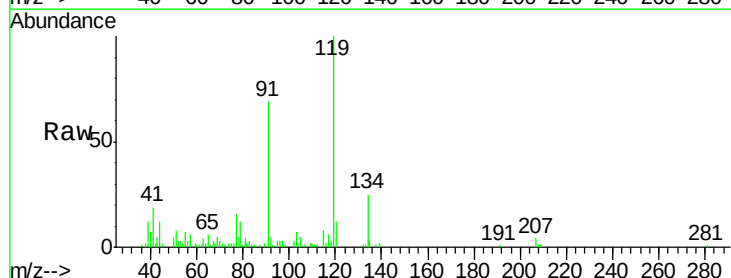
Tgt Ion: 119 Resp: 41062

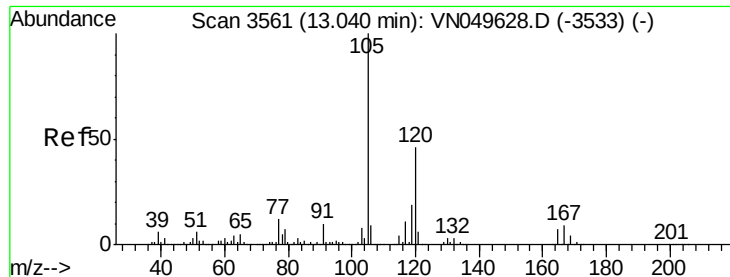
Ion Ratio Lower Upper

119 100

91 66.0 32.0 96.2

134 24.2 12.8 38.4

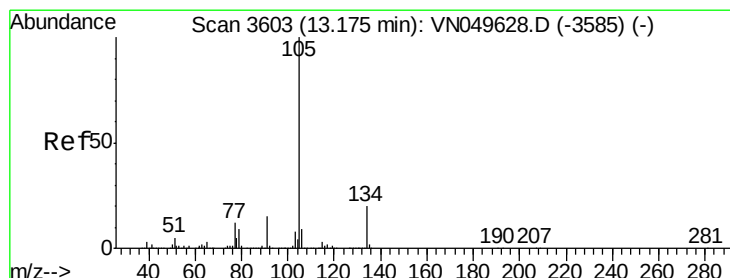
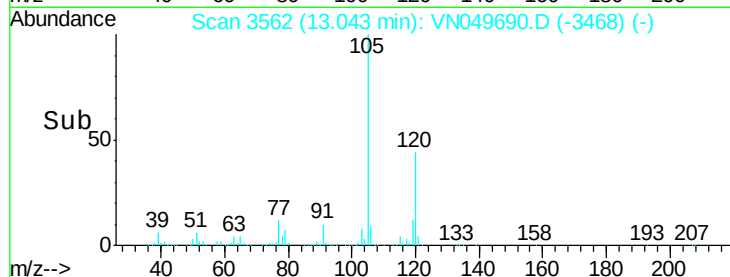
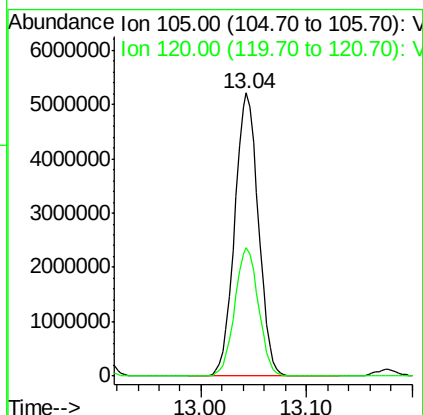
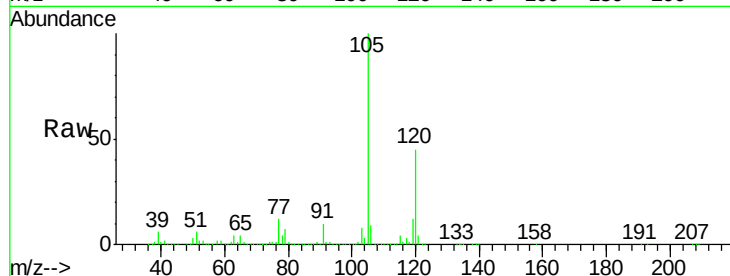




#84
1,2,4-Trimethylbenzene
Concen: 144.72 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049690.D
Acq: 3 Jul 2018 13:45

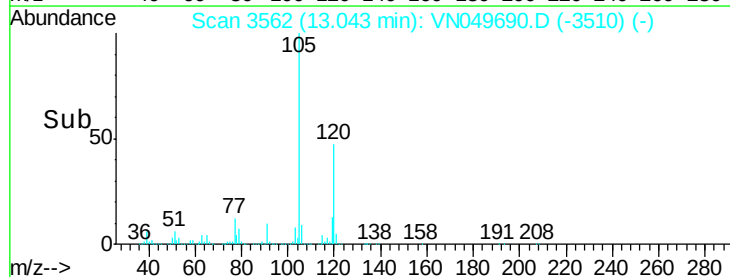
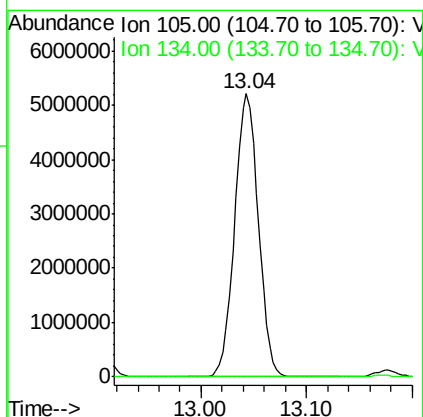
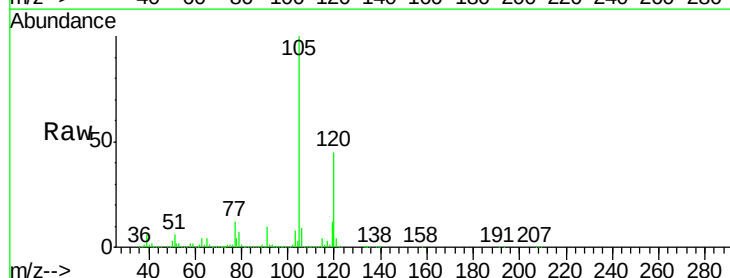
Instrument :
MSVOA_N
ClientSampled :

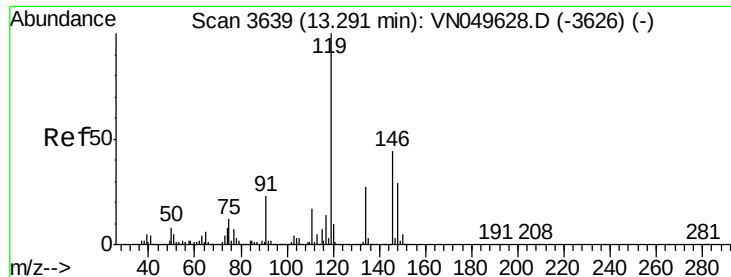
Tot Ion:105 Resp: 8069722
Ion Ratio Lower Upper
105 100
120 45.4 22.7 68.1



#85
sec-Butylbenzene
Concen: 130.66 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. -0.13 min
Lab File: VN049690.D
Acq: 3 Jul 2018 13:45

Tgt Ion:105 Resp: 8069722
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#

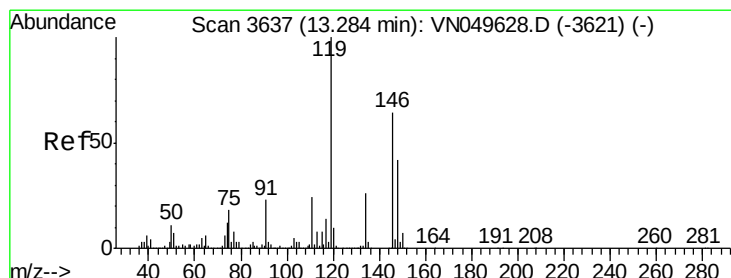
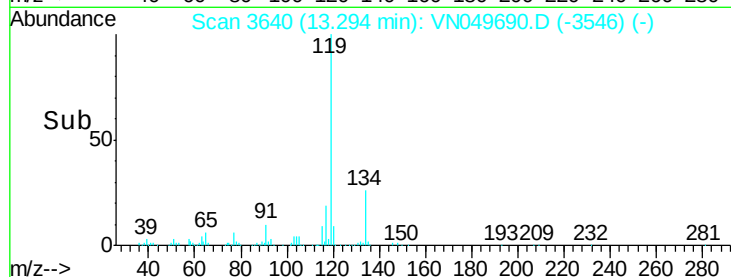
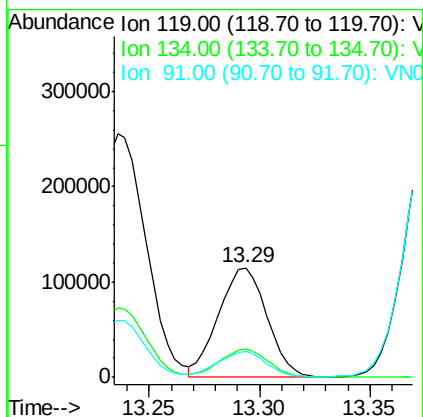
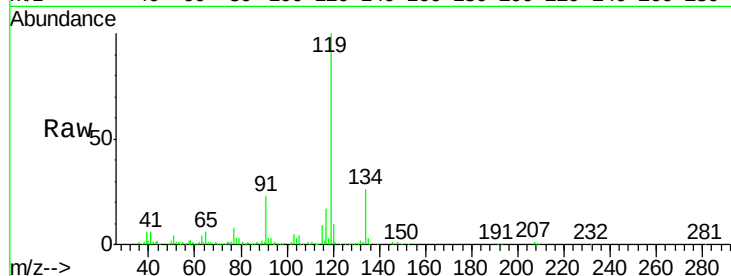




#86
 p-Isopropyltoluene
 Concen: 3.25 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN049690.D
 Acq: 3 Jul 2018 13:45

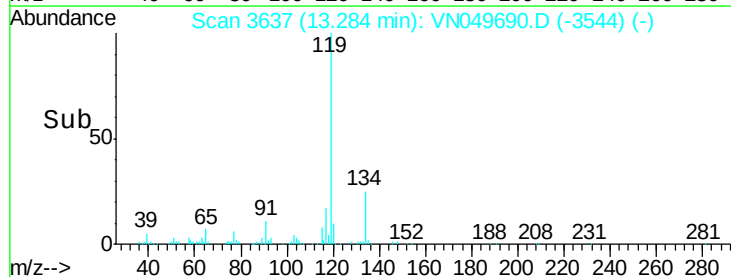
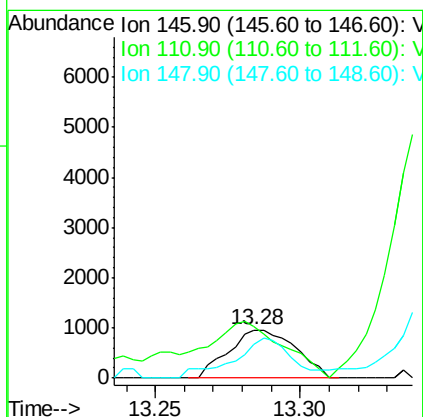
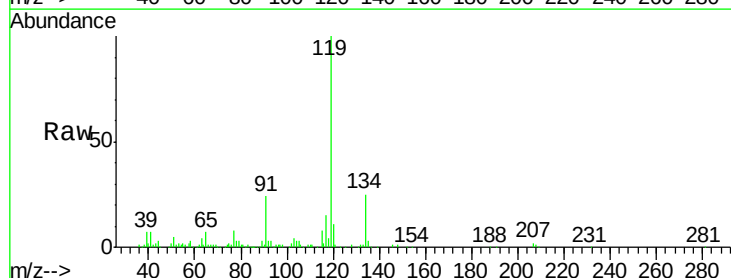
Instrument :
 MSVOA_N
 ClientSampled :

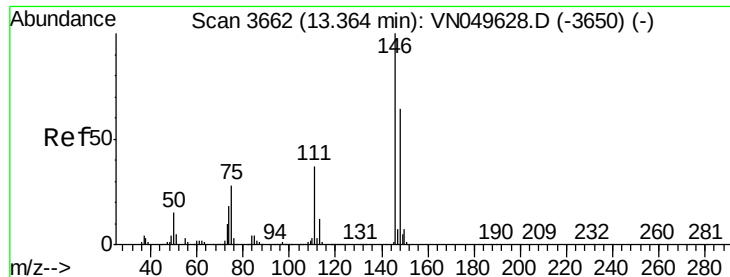
Tot Ion:119 Resp: 173715
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.3 39.9
 91 22.8 11.4 34.1



#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049690.D
 Acq: 3 Jul 2018 13:45

Tgt Ion:146 Resp: 1527
 Ion Ratio Lower Upper
 146 100
 111 131.9 19.0 57.0#
 148 72.4 32.5 97.5





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.37 min Scan# 3663

Delta R.T. 0.00 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

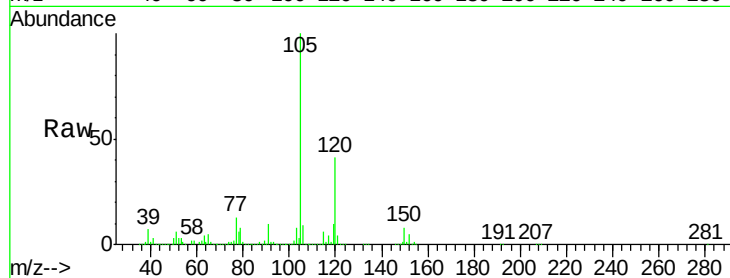
Tot Ion:146 Resp: 1918

Ion Ratio Lower Upper

146 100

111 668.9 18.9 56.5#

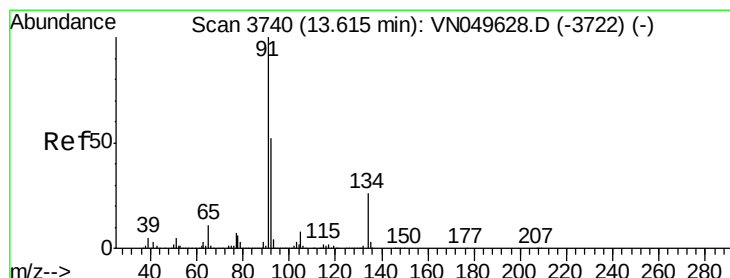
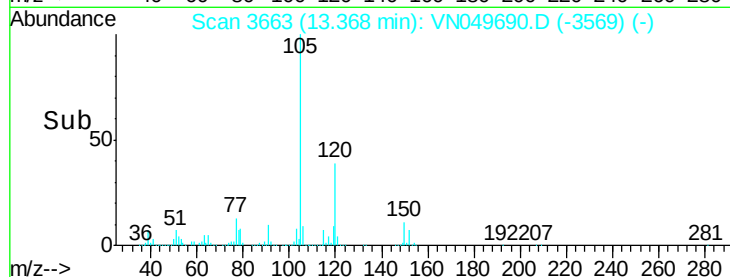
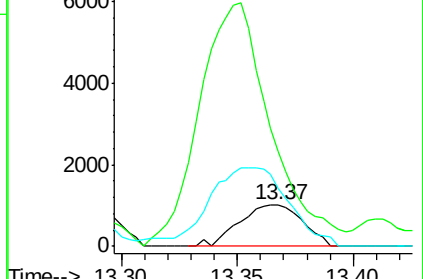
148 243.0 32.1 96.3#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.85 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

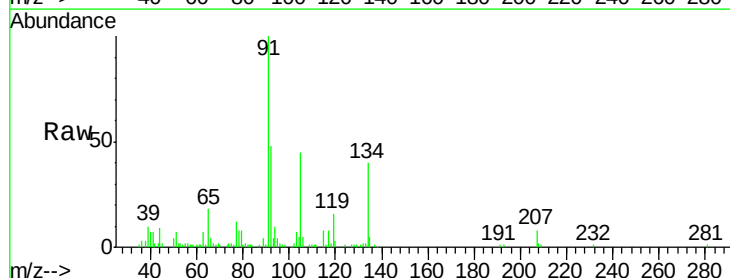
Tgt Ion: 91 Resp: 38769

Ion Ratio Lower Upper

91 100

92 75.3 25.8 77.3

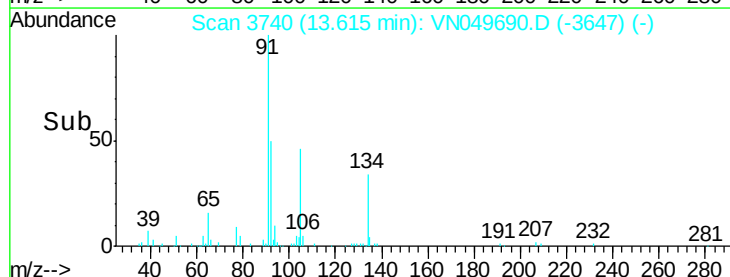
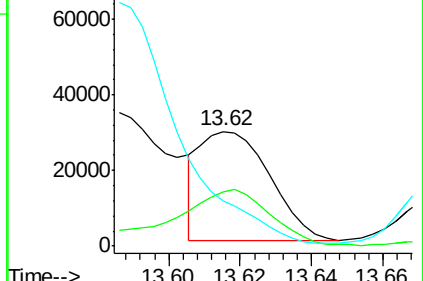
134 0.0 13.0 38.9#

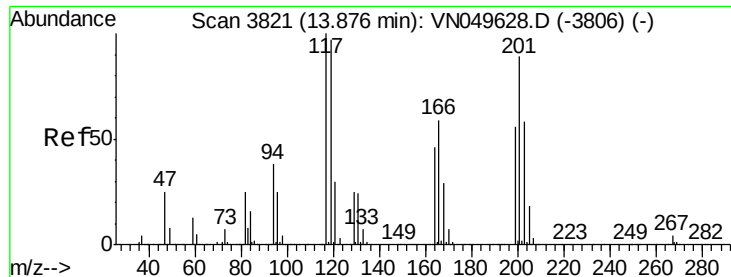


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 3.73 ua/l

RT: 13.89 min Scan# 3827

Delta R.T. 0.02 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

Instrument :

MSVOA_N

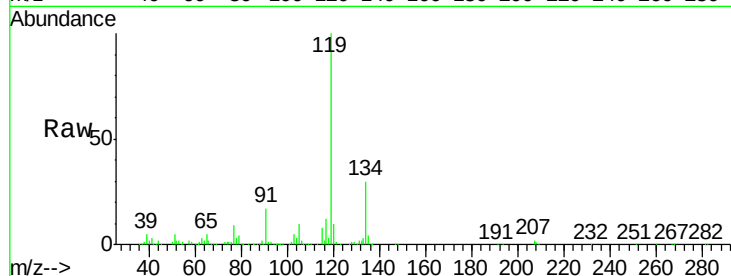
ClientSampled :

Tot Ion:117 Resp: 20938

Ion Ratio Lower Upper

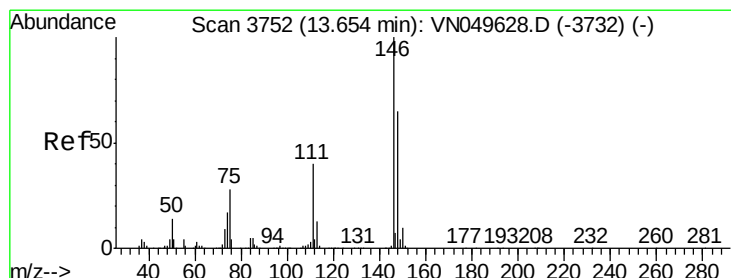
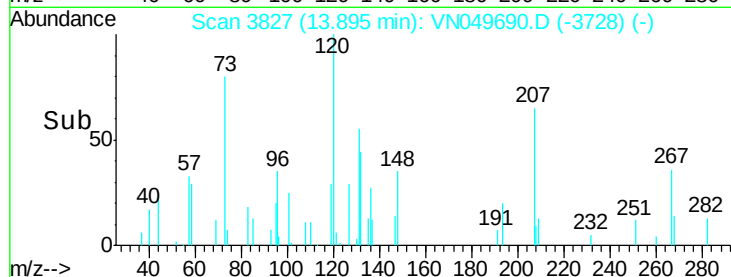
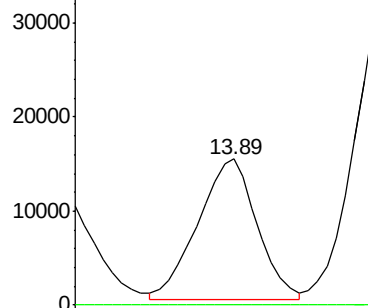
117 100

201 0.0 45.3 135.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.67 min Scan# 3756

Delta R.T. 0.01 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

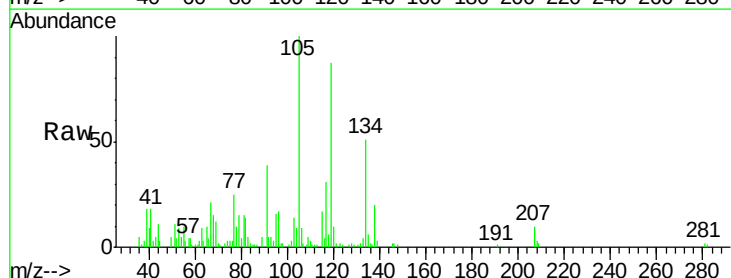
Tgt Ion:146 Resp: 1361

Ion Ratio Lower Upper

146 100

111 64.2 19.7 59.1#

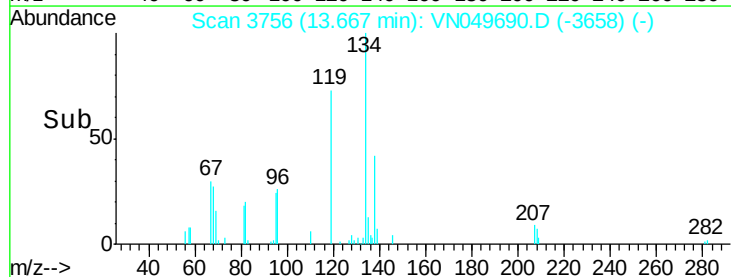
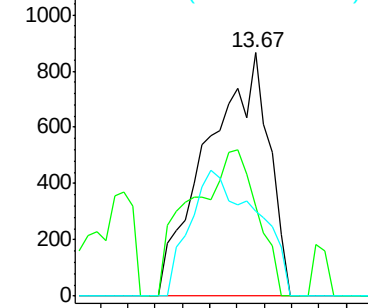
148 55.9 32.0 96.2

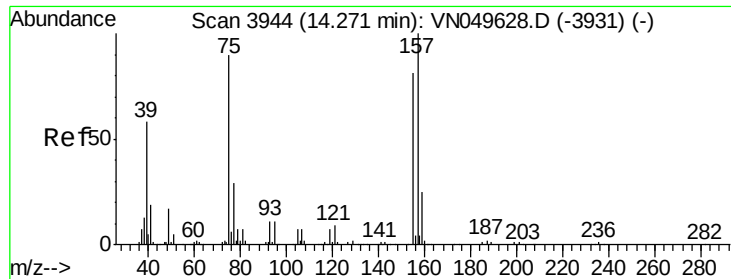


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

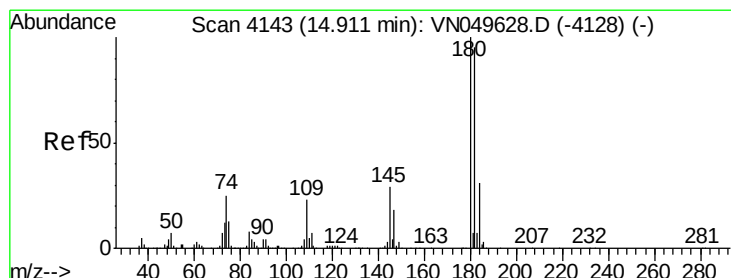
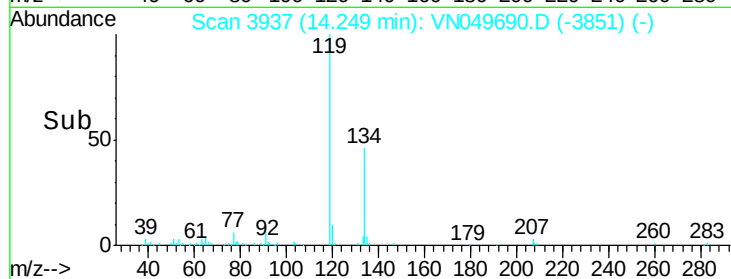
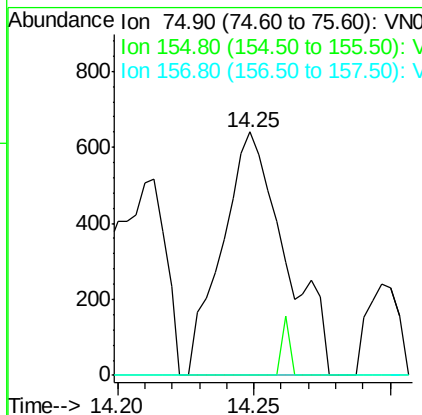
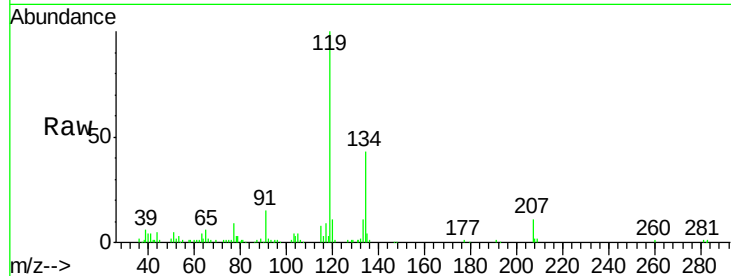




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.25 min Scan# 3937
 Delta R.T. -0.02 min
 Lab File: VN049690.D
 Acq: 3 Jul 2018 13:45

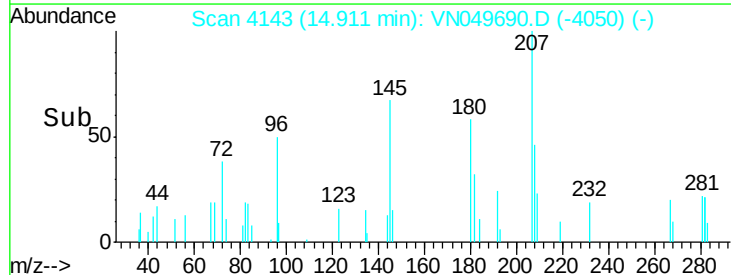
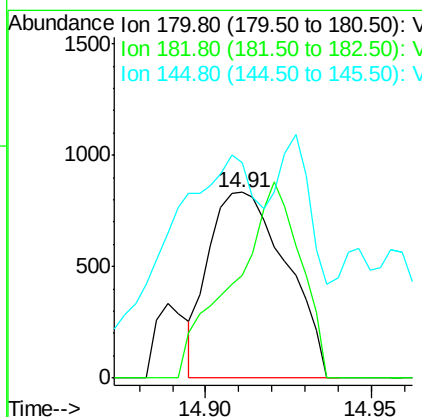
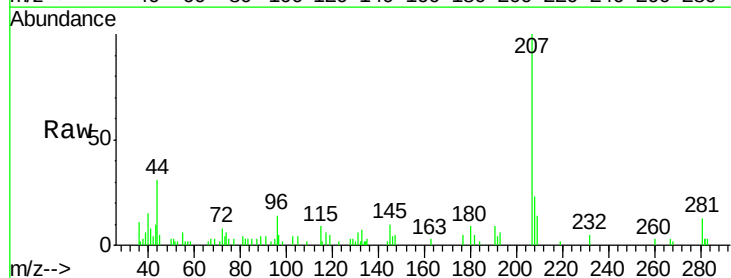
Instrument :
 MSVOA_N
 ClientSampled :

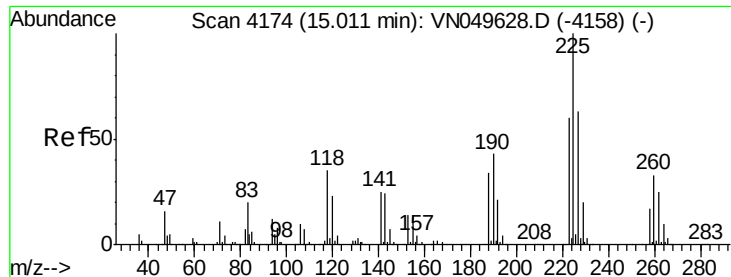
Tot Ion: 75 Resp: 1028
 Ion Ratio Lower Upper
 75 100
 155 2.9 45.7 137.1#
 157 0.0 56.9 170.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.49 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049690.D
 Acq: 3 Jul 2018 13:45

Tgt Ion: 180 Resp: 1362
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.9#
 145 144.2 14.4 43.0#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4177

Delta R.T. 0.01 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

Instrument :

MSVOA_N

ClientSampled :

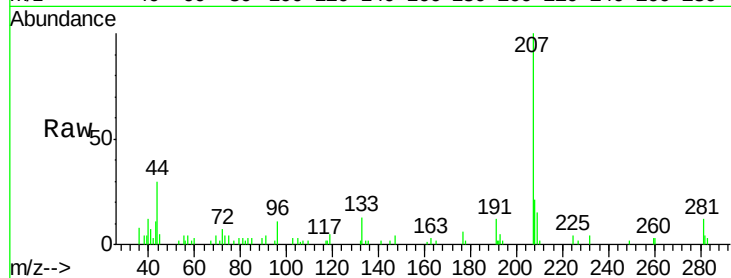
Tot Ion:225 Resp: 316

Ion Ratio Lower Upper

225 100

223 19.0 30.9 92.7#

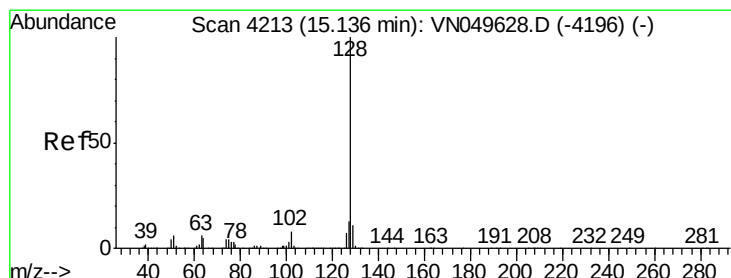
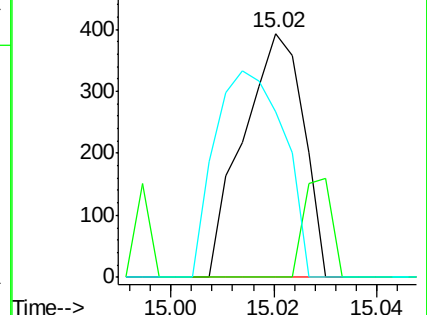
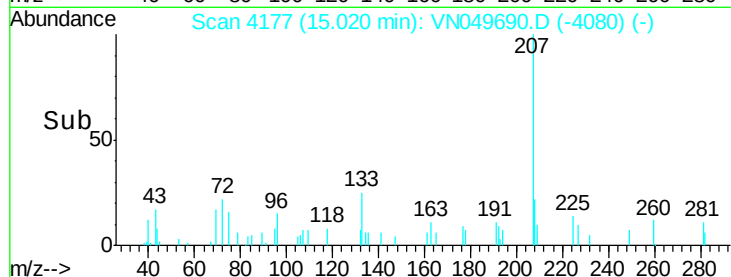
227 97.8 31.8 95.4#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 5.14 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049690.D

Acq: 3 Jul 2018 13:45

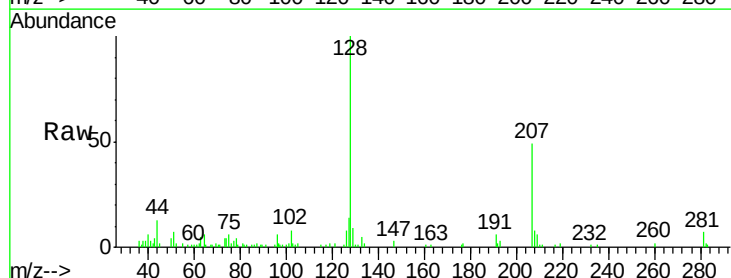
Tgt Ion:128 Resp: 39773

Ion Ratio Lower Upper

128 100

127 14.4 10.4 15.6

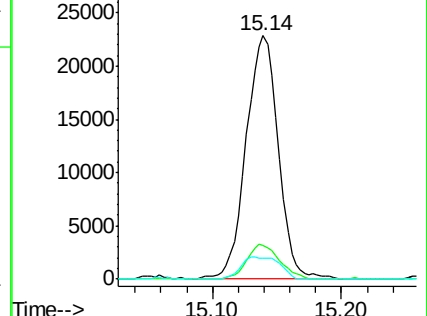
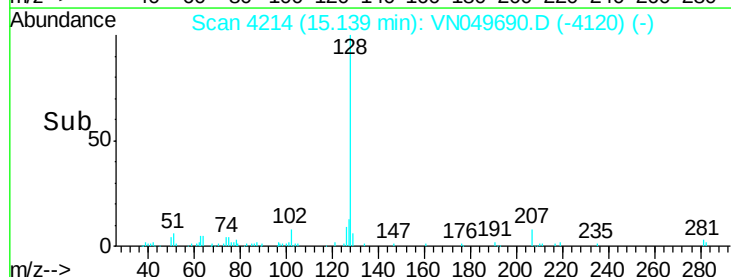
129 10.9 8.6 13.0

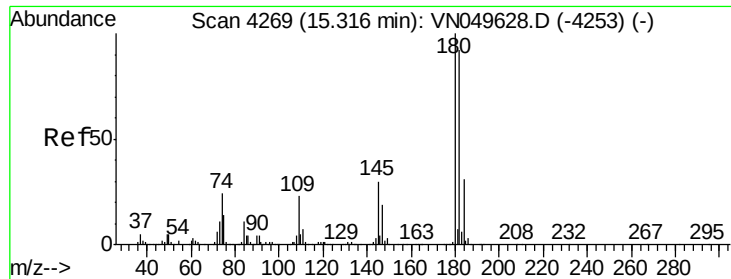


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

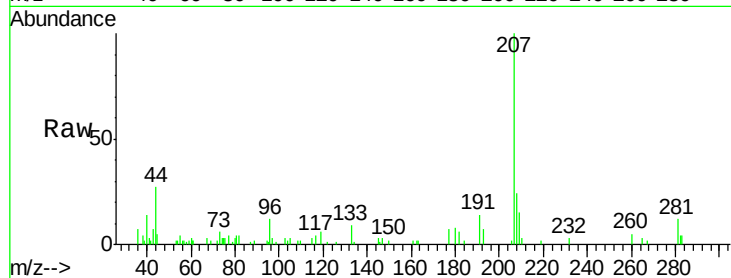




#96
 1,2,3-Trichlorobenzene
 Concen: 1.74 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049690.D
 Acq: 3 Jul 2018 13:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	79.3	47.4	142.2
145	26.5	15.2	45.6



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

