

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
 Data File : VN049692.D
 Acq On : 3 Jul 2018 14:37
 Operator : MD\SY
 Sample : J3811-02DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 23:05:18 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	1349590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2174787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1817003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	881932	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	907390	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
35) Dibromofluoromethane	7.59	113	789136	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	10.09	98	2936332	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
62) 4-Bromofluorobenzene	12.40	95	951039	43.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.54%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.80	59	472	0.46	ug/l #	72
13) Acrolein	3.60	56	279	0.29	ug/l #	1
16) Acetone	3.82	43	4634	Below	Cal #	83
17) Carbon Disulfide	4.05	76	325943	7.16	ug/l	100
18) Methyl Acetate	4.34	43	45321	Below	Cal	97
20) Methylene Chloride	4.54	84	11591	0.63	ug/l	95
25) 2-Butanone	6.84	43	1839	0.31	ug/l #	84
27) cis-1,2-Dichloroethene	6.83	96	14880	0.82	ug/l	93
29) Tetrahydrofuran	7.23	42	1885	0.50	ug/l #	85
36) 1,1-Dichloropropene	7.67	75	92739	3.79	ug/l #	49
38) Carbon Tetrachloride	7.67	117	118529	4.98	ug/l #	16
43) Isopropyl Acetate	8.30	43	298013	10.05	ug/l #	62
44) Trichloroethene	8.84	130	12864	0.57	ug/l	91
67) Ethyl Benzene	11.52	91	119768	1.53	ug/l	99
68) m/p-Xylenes	11.62	106	403537	13.44	ug/l	98
69) o-Xylene	11.95	106	523834	18.22	ug/l	100
70) Styrene	11.95	104	30859	0.66	ug/l #	1
71) Bromoform	12.41	173	5943	0.53	ug/l #	1
73) Isopropylbenzene	12.25	105	324464	4.62	ug/l	99
74) N-amyl acetate	12.05	43	6093	0.32	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.47	83	4490	Below	Cal #	25
76) 1,2,3-Trichloropropane	12.66	75	44035	3.11	ug/l #	100
78) n-propylbenzene	12.59	91	862697	10.72	ug/l	100
79) 2-Chlorotoluene	12.66	91	633898	12.44	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	4645136	79.57	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	462813	111.13	ug/l #	13
82) 4-Chlorotoluene	12.73	91	468665	9.15	ug/l #	40
83) tert-Butylbenzene	13.00	119	88156	1.76	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	13796762	230.01	ug/l	99
85) sec-Butylbenzene	13.04	105	13796762	207.65	ug/l #	56
86) p-Isopropyltoluene	13.29	119	379618	6.60	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	565	Below	Cal #	1
88) 1,4-Dichlorobenzene	13.37	146	1848	Below	Cal #	25
89) n-Butylbenzene	13.59	91	60927	1.24	ug/l #	1

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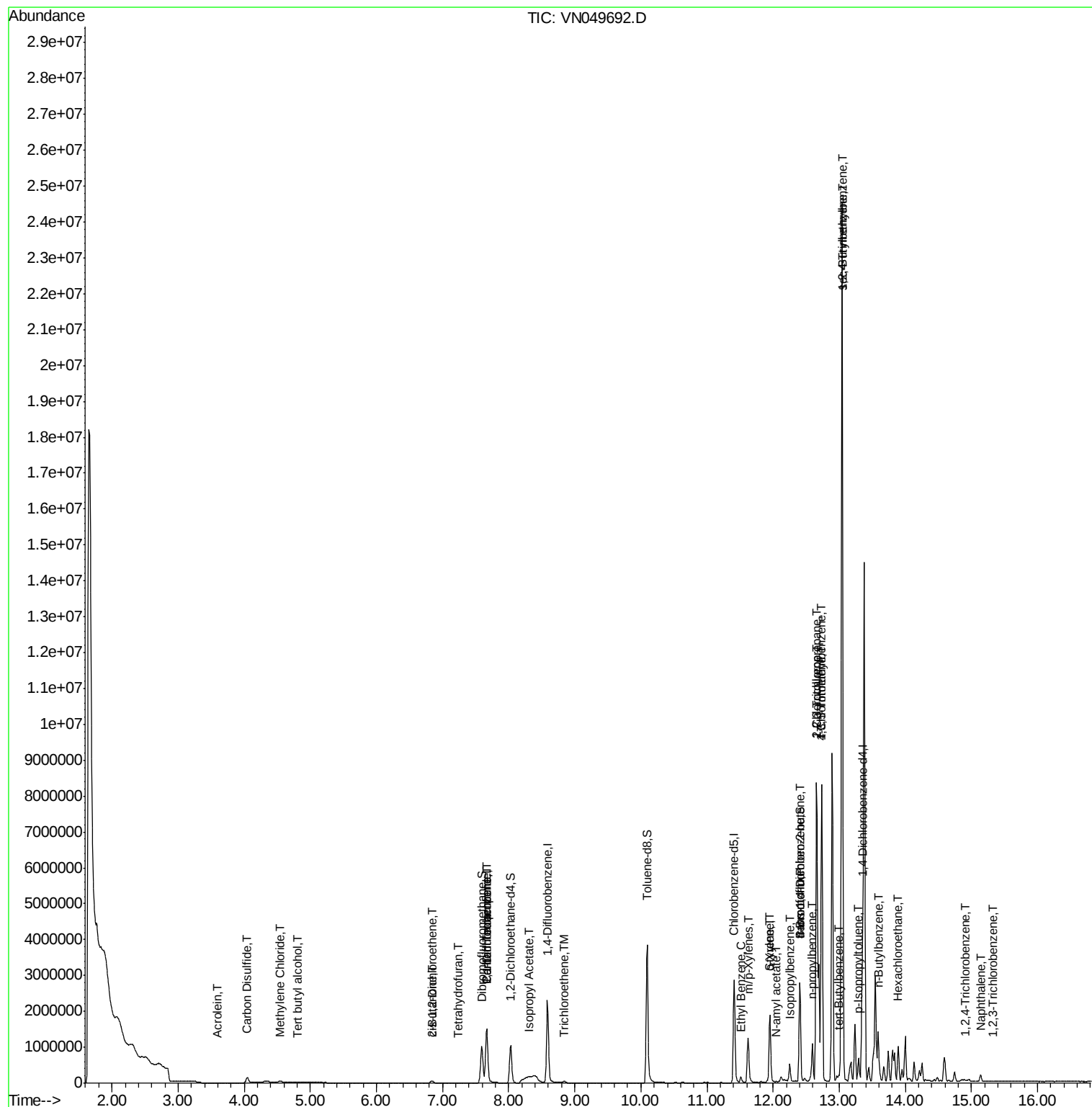
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.89	117	51845	8.58	uq/l #	4
91) 1,2-Dichlorobenzene	13.65	146	1440	Below Cal		92
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2412	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.92	180	1372	2.48	uq/l #	1
94) Hexachlorobutadiene	15.02	225	30	Below Cal	#	19
95) Naphthalene	15.14	128	158321	8.10	uq/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	927	1.71	uq/l #	83

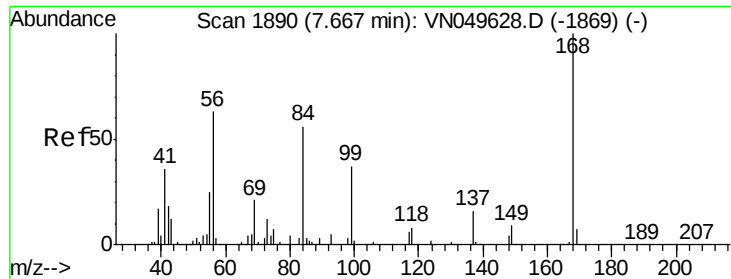
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

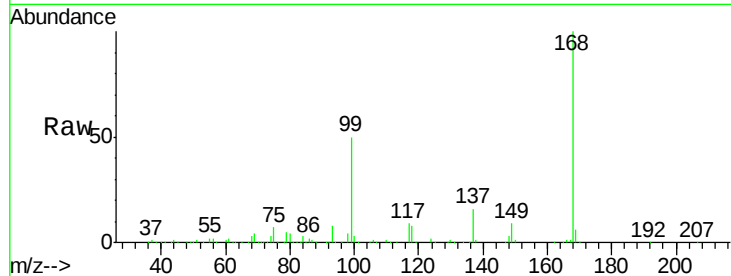
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1349590

Ion Ratio Lower Upper

168 100

99 50.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

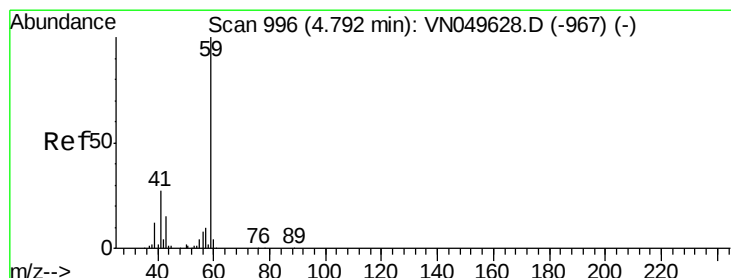
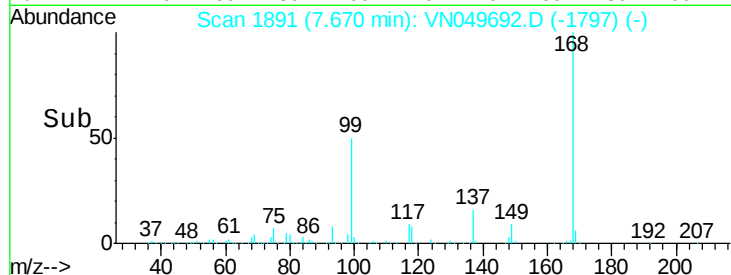
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.46 ug/l

RT: 4.80 min Scan# 998

Delta R.T. 0.01 min

Lab File: VN049692.D

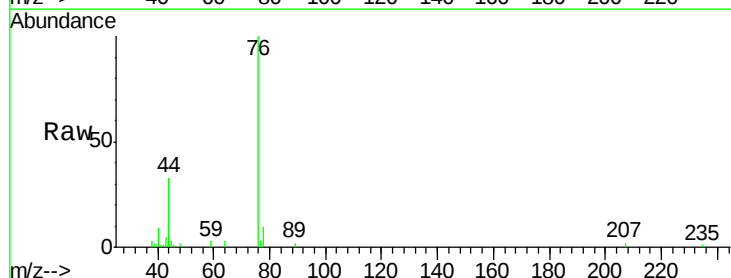
Acq: 3 Jul 2018 14:37

Tgt Ion: 59 Resp: 472

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

4.80

400

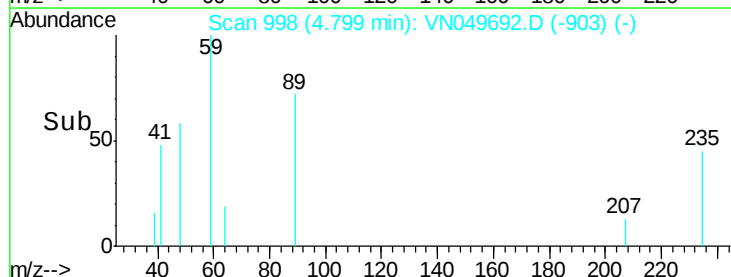
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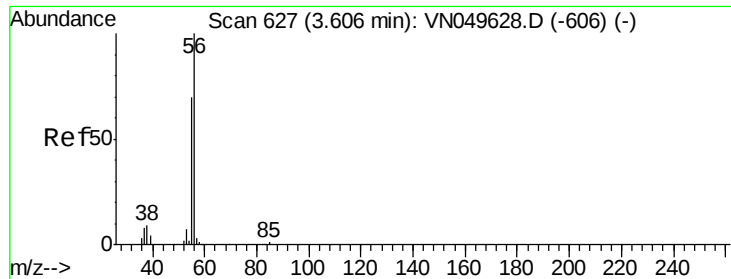
200

100

0

Time-->

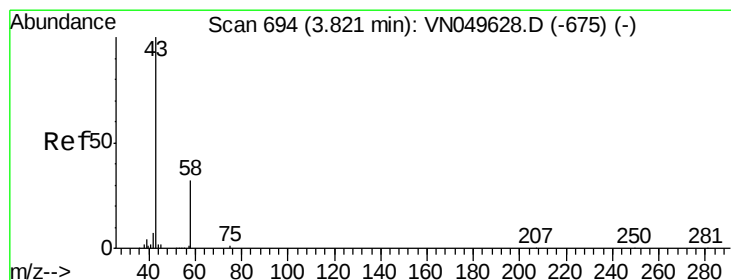
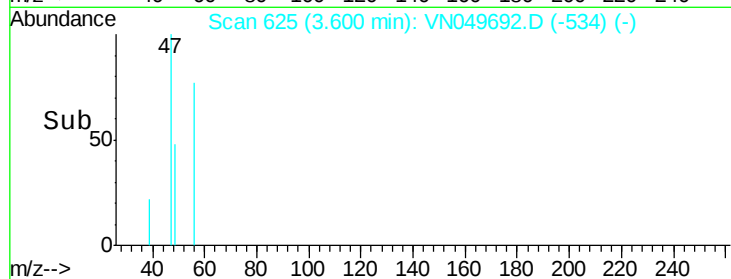
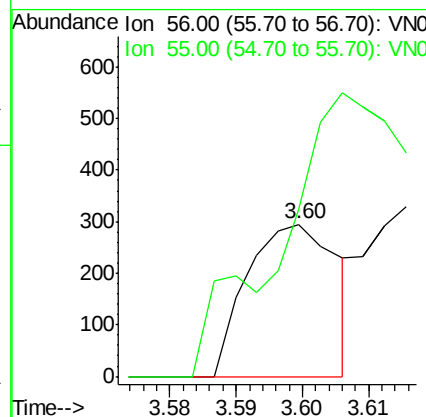
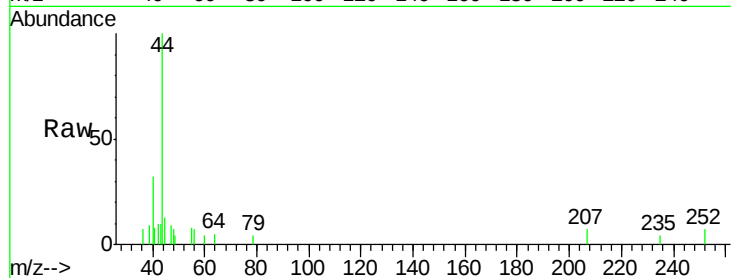




#13
Acrolein
Concen: 0.29 ug/l
RT: 3.60 min Scan# 625
Delta R.T. -0.01 min
Lab File: VN049692.D
Acq: 3 Jul 2018 14:37

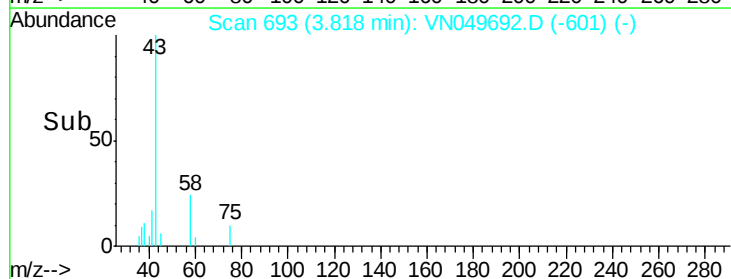
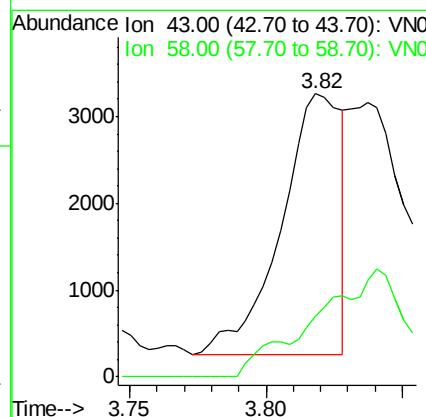
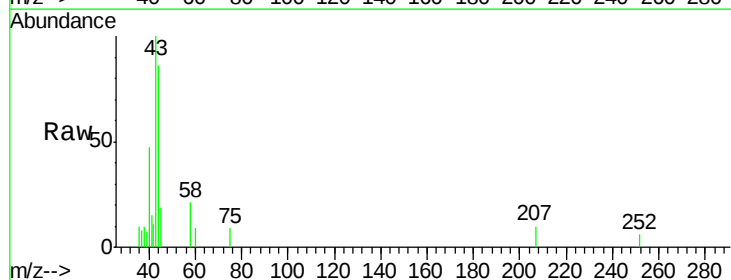
Instrument :
MSVOA_N
ClientSampled :

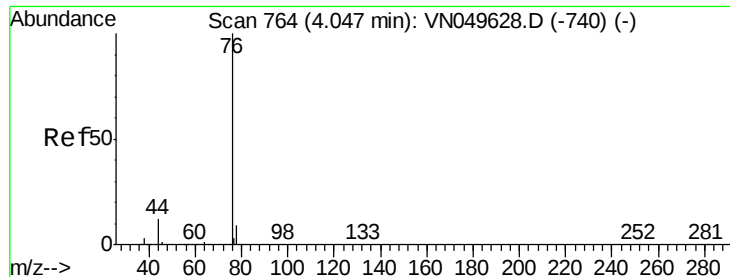
Tot Ion: 56 Resp: 279
Ion Ratio Lower Upper
56 100
55 337.3 55.8 83.8#



#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 693
Delta R.T. -0.00 min
Lab File: VN049692.D
Acq: 3 Jul 2018 14:37

Tgt Ion: 43 Resp: 4634
Ion Ratio Lower Upper
43 100
58 23.0 25.9 38.9#

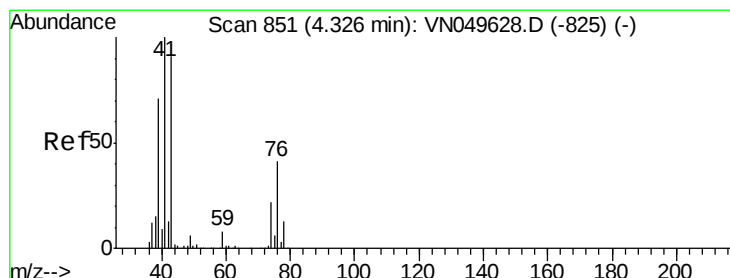
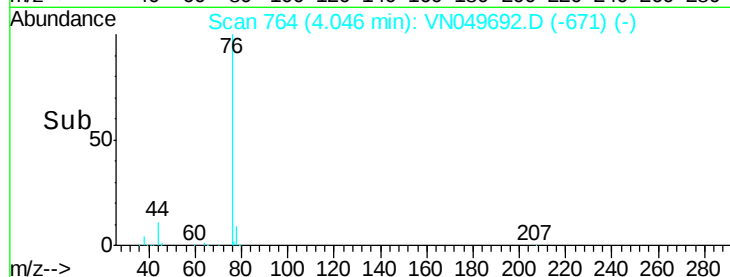
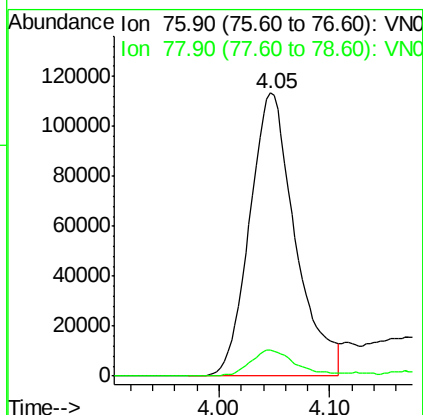
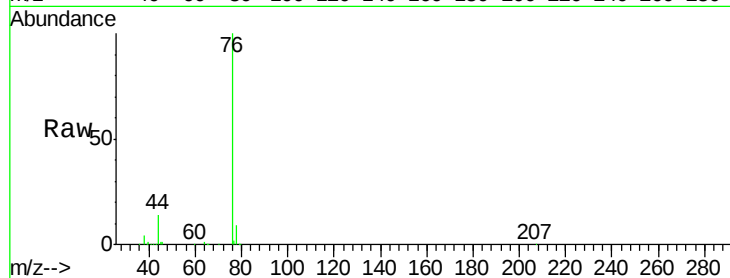




#17
Carbon Disulfide
Concen: 7.16 ug/l
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049692.D
Acq: 3 Jul 2018 14:37

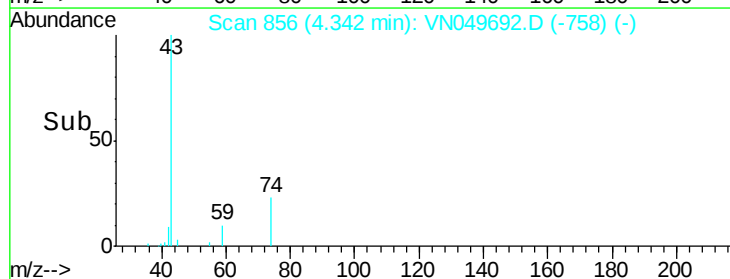
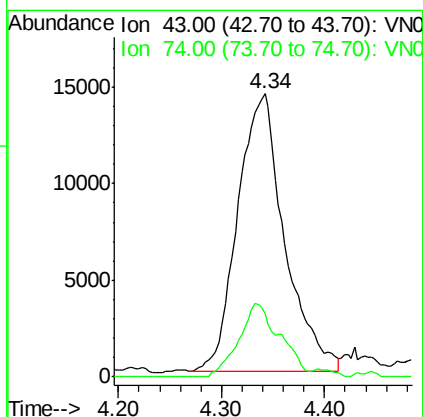
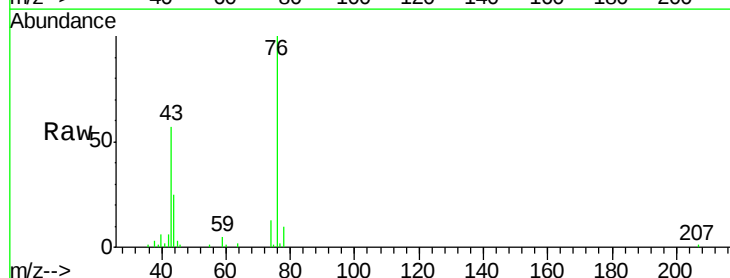
Instrument :
MSVOA_N
ClientSampled :

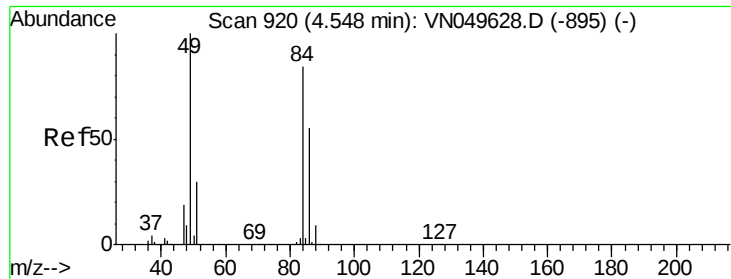
Tot Ion: 76 Resp: 325943
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 856
Delta R.T. 0.02 min
Lab File: VN049692.D
Acq: 3 Jul 2018 14:37

Tgt Ion: 43 Resp: 45321
Ion Ratio Lower Upper
43 100
74 23.1 19.8 29.8

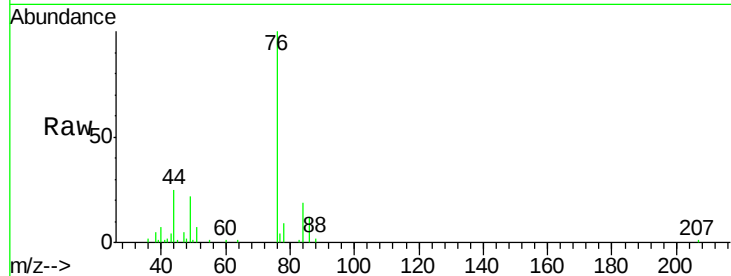




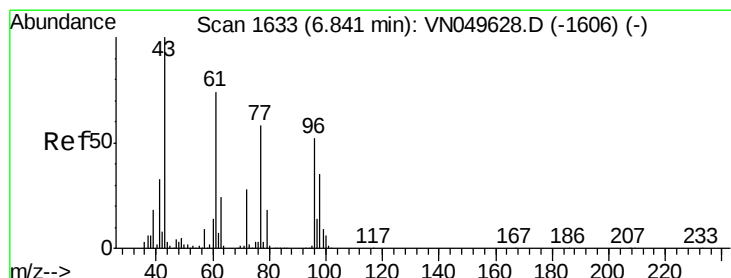
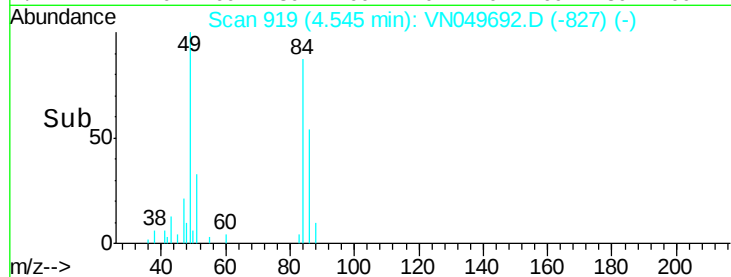
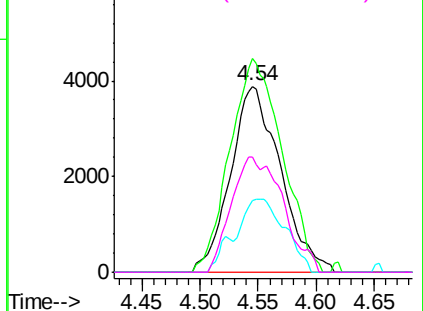
#20
Methvlene Chloride
Concen: 0.63 ug/l
RT: 4.54 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN049692.D
Acq: 3 Jul 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 11591
Ion Ratio Lower Upper
84 100
49 114.7 95.4 143.2
51 38.4 28.4 42.6
86 61.8 52.6 79.0

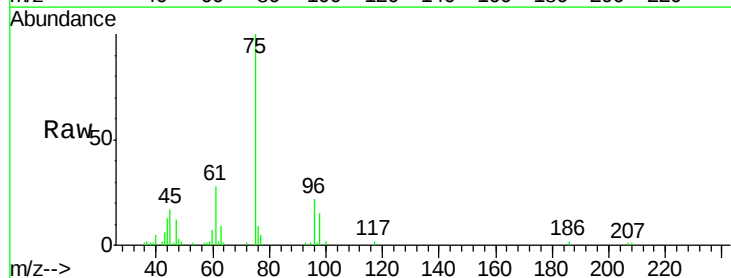


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

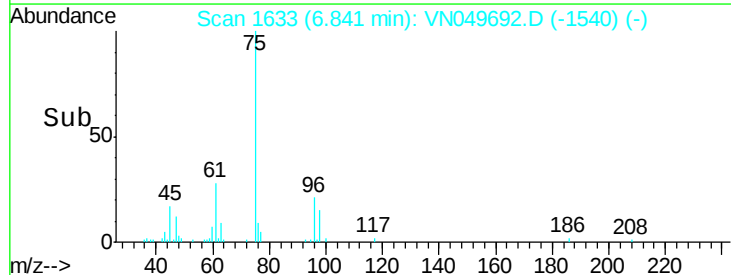
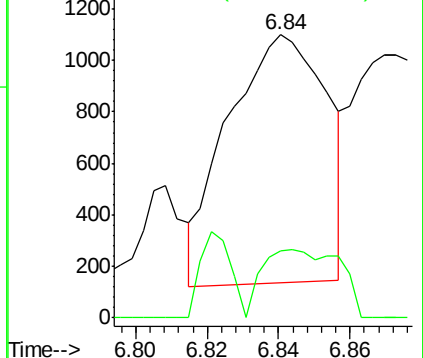


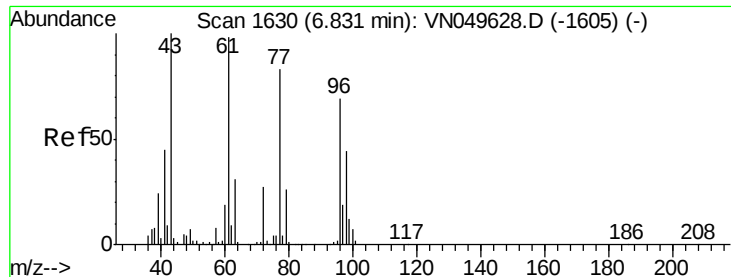
#25
2-Butanone
Concen: 0.31 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN049692.D
Acq: 3 Jul 2018 14:37

Tgt Ion: 43 Resp: 1839
Ion Ratio Lower Upper
43 100
72 36.0 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#27

cis-1,2-Dichloroethene

Concen: 0.82 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :
MSVOA_N
ClientSampled :

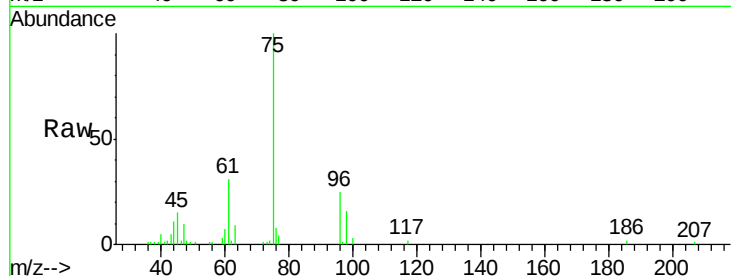
Tot Ion: 96 Resp: 14880

Ion Ratio Lower Upper

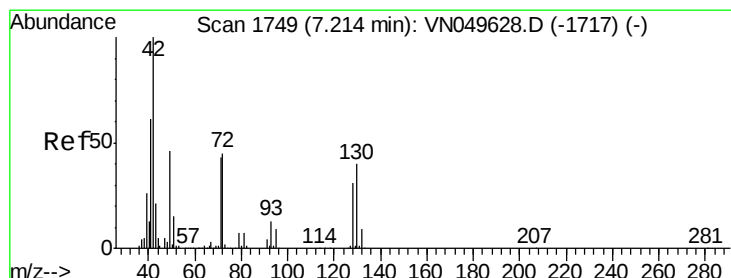
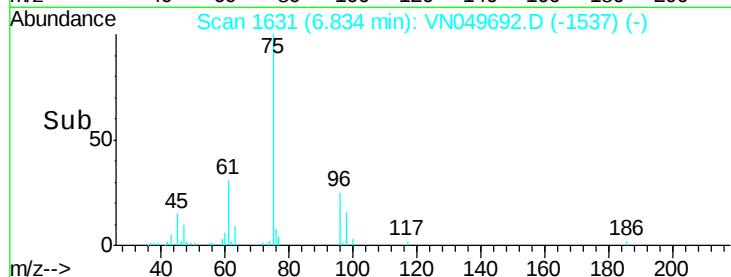
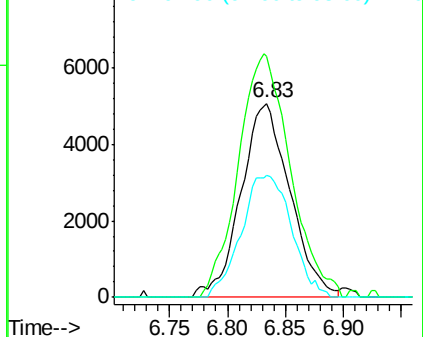
96 100

61 133.0 0.0 289.0

98 64.6 0.0 130.2



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



#29

Tetrahydrofuran

Concen: 0.50 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

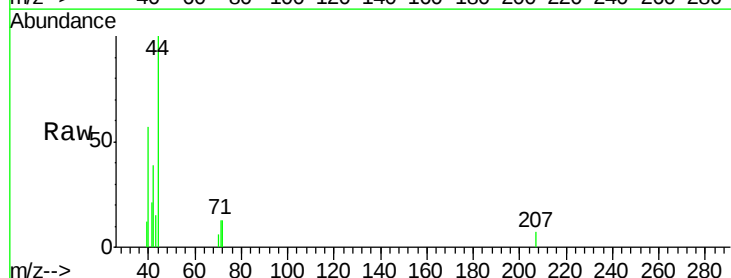
Tgt Ion: 42 Resp: 1885

Ion Ratio Lower Upper

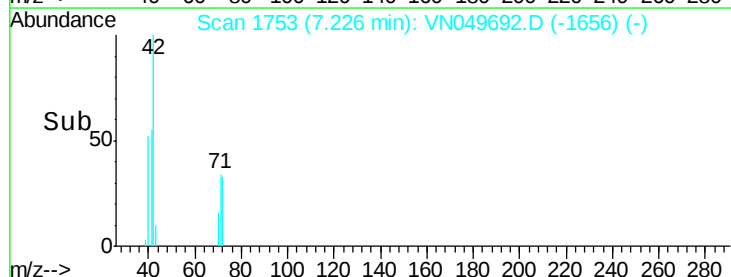
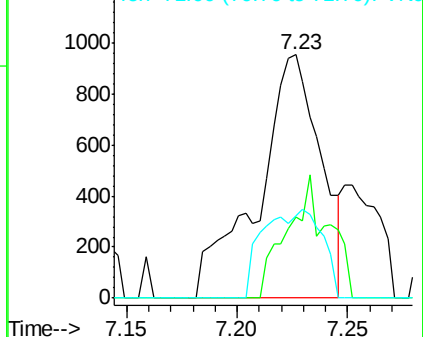
42 100

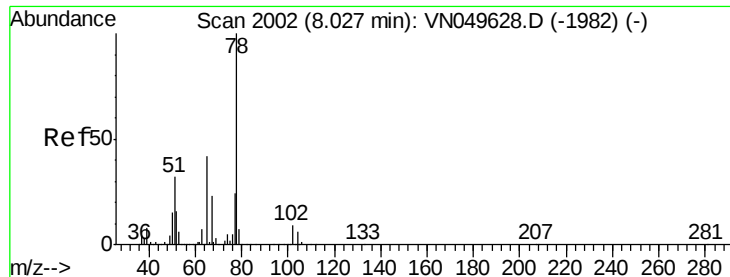
72 33.3 35.6 53.4#

71 34.4 34.0 51.0



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





#33

1,2-Dichloroethane-d4

Concen: 50.91 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

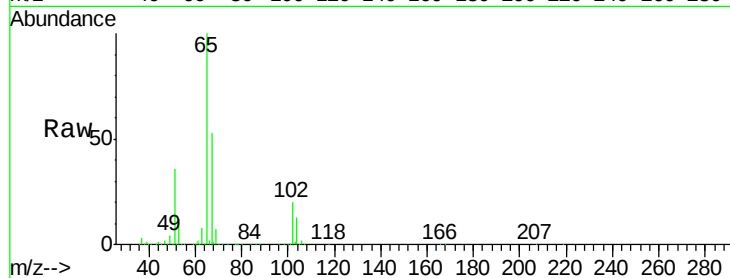
ClientSampleId :

Tot Ion: 65 Resp: 907390

Ion Ratio Lower Upper

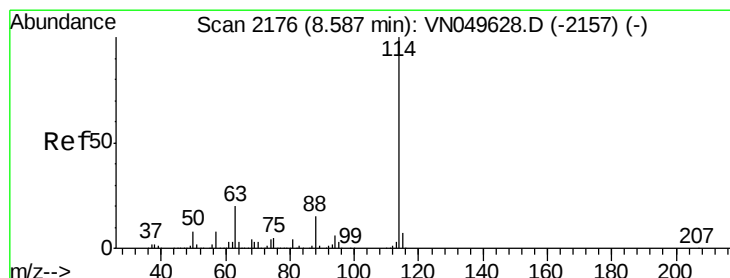
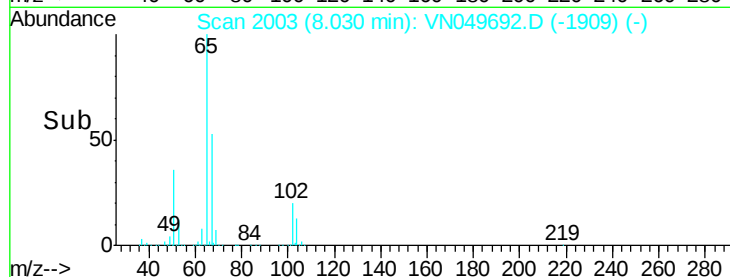
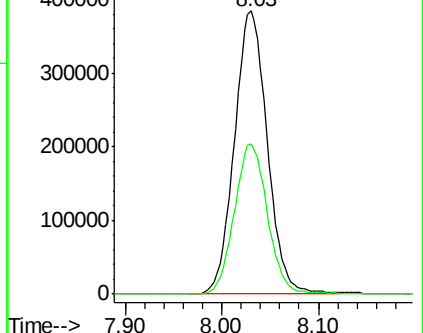
65 100

67 53.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049692.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049692.D (-1909) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

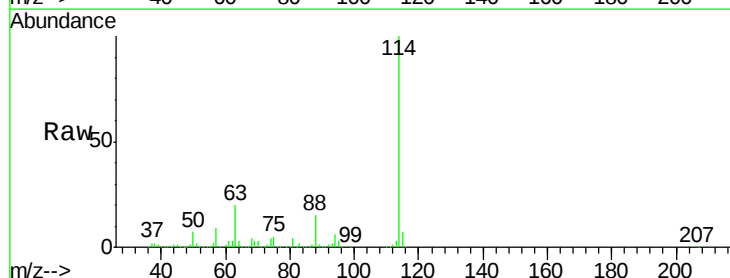
Tgt Ion: 114 Resp: 2174787

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

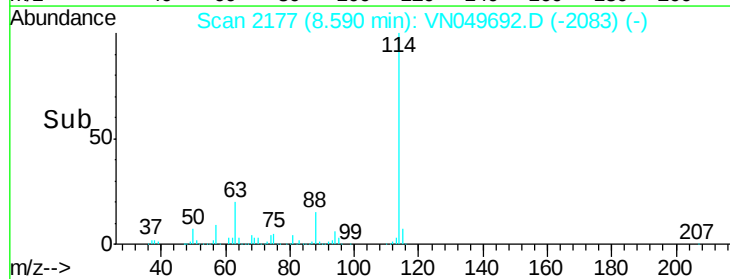
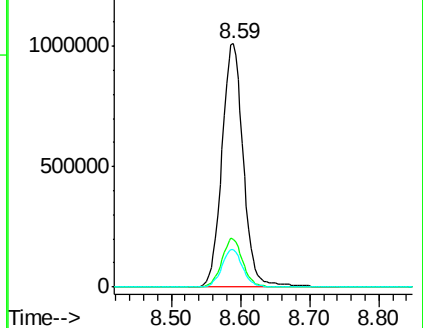
88 15.4 0.0 30.6

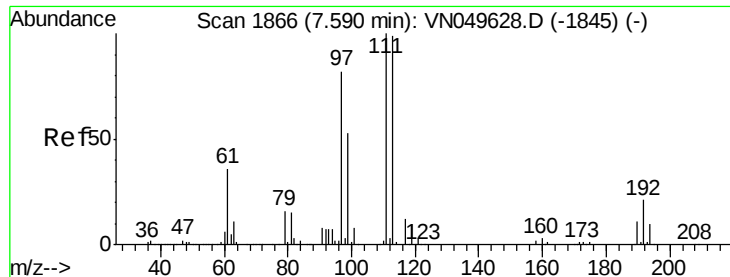


Abundance Ion 113.90 (113.60 to 114.60): VN049692.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049692.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049692.D (-2083) (-)

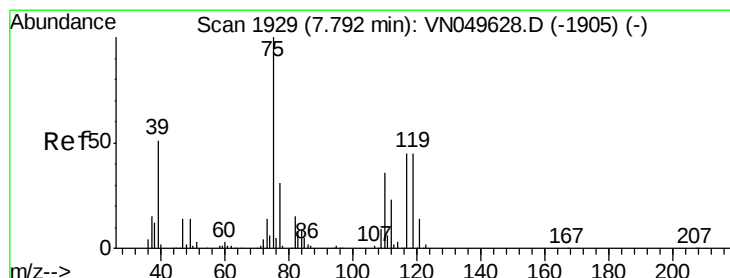
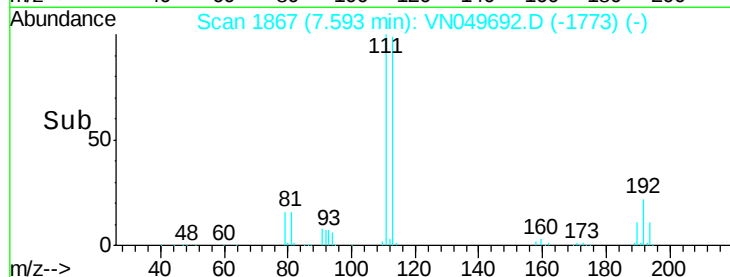
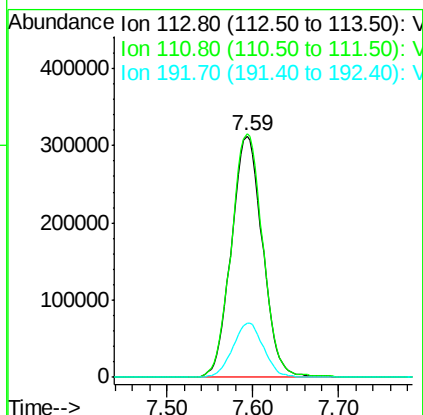
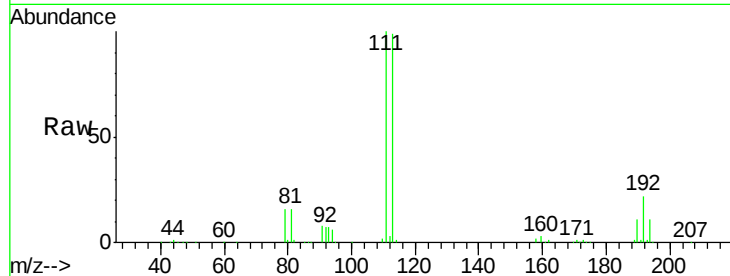




#35
 Dibromofluoromethane
 Concen: 48.54 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049692.D
 Acq: 3 Jul 2018 14:37

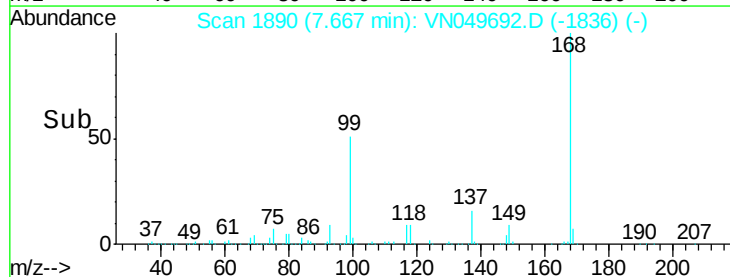
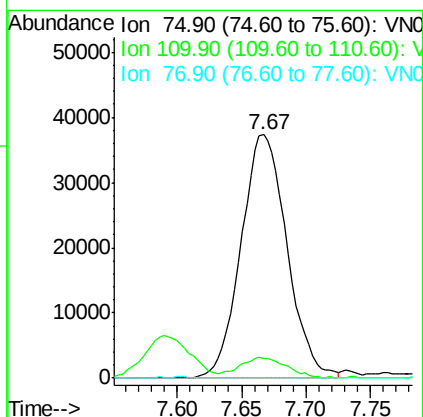
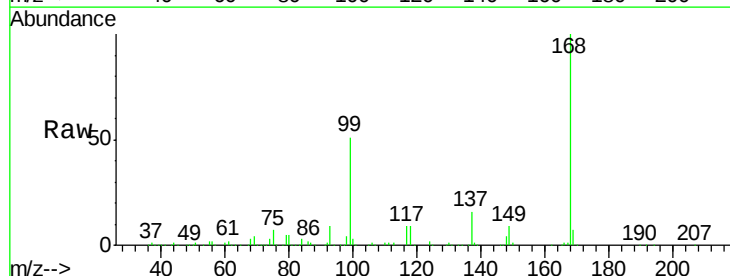
Instrument :
 MSVOA_N
 ClientSampleId :

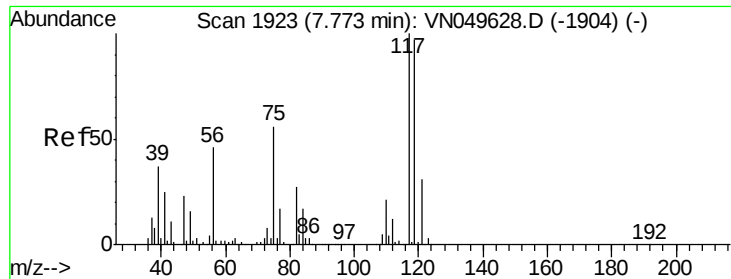
Tot Ion:113 Resp: 789136
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.8 122.8
 192 22.4 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.79 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049692.D
 Acq: 3 Jul 2018 14:37

Tgt Ion: 75 Resp: 92739
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.1 54.4#
 77 0.0 24.9 37.3#

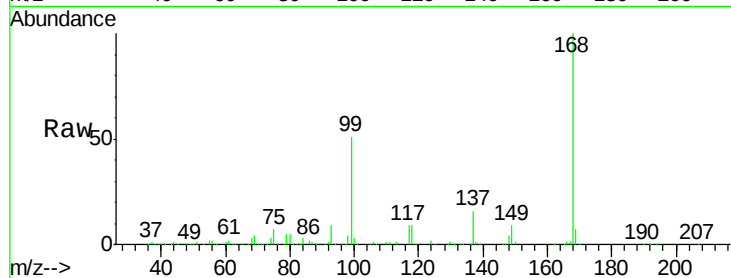




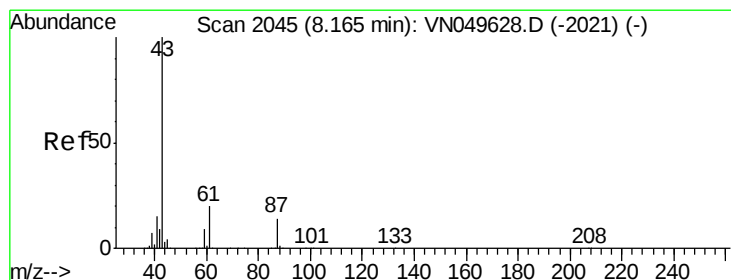
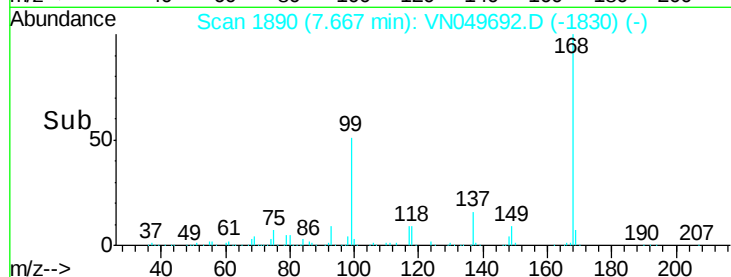
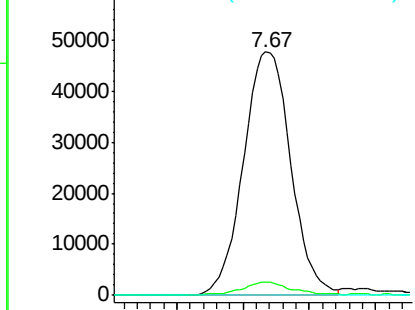
#38
Carbon Tetrachloride
Concen: 4.98 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049692.D
Acq: 3 Jul 2018 14:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 118529
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 25.0 37.6#

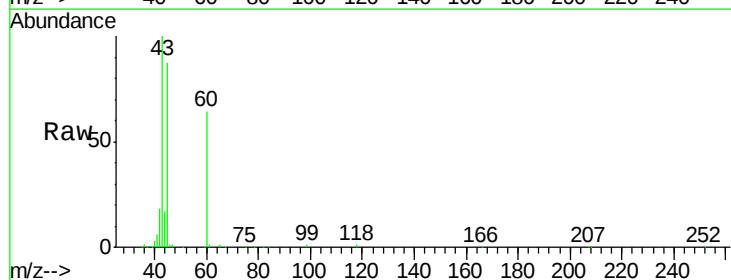


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

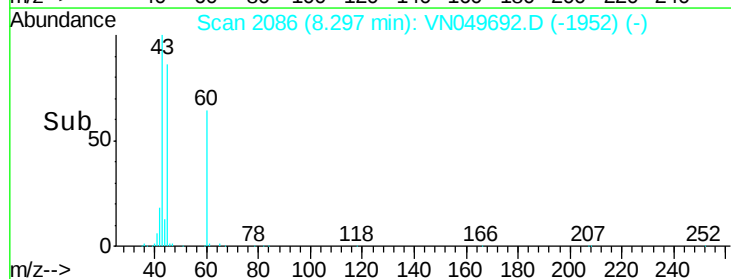
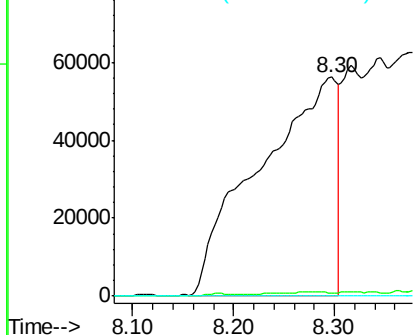


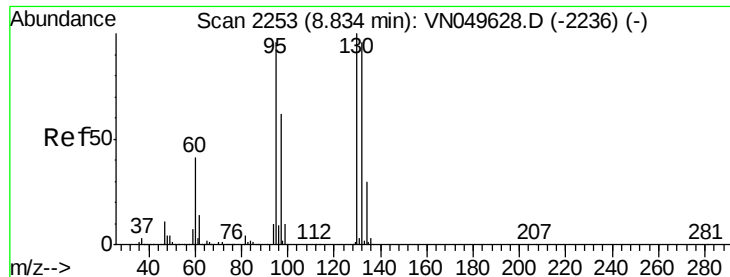
#43
Isopropyl Acetate
Concen: 10.05 ug/l
RT: 8.30 min Scan# 2086
Delta R.T. 0.13 min
Lab File: VN049692.D
Acq: 3 Jul 2018 14:37

Tgt Ion: 43 Resp: 298013
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): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#44

Trichloroethene

Concen: 0.57 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

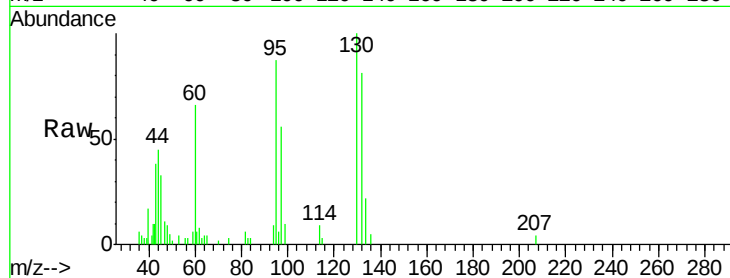
ClientSampleId :

Tot Ion:130 Resp: 12864

Ion Ratio Lower Upper

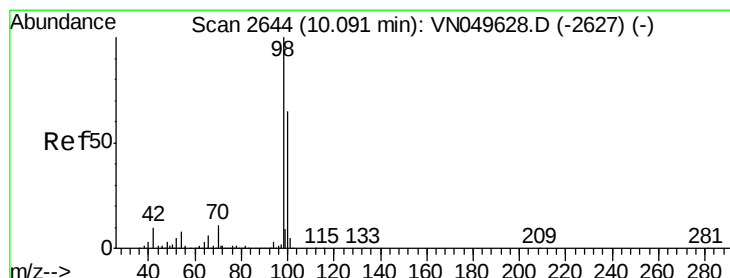
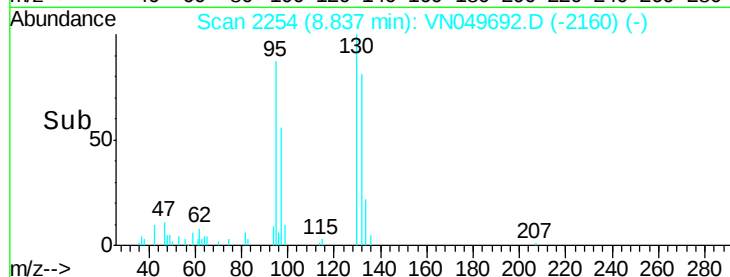
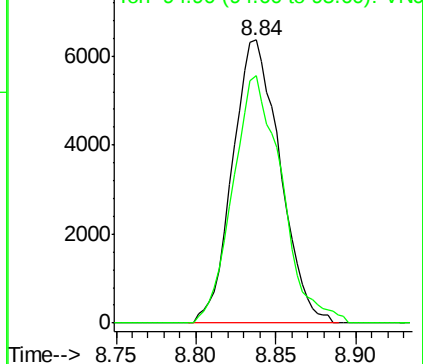
130 100

95 87.4 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 46.14 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049692.D

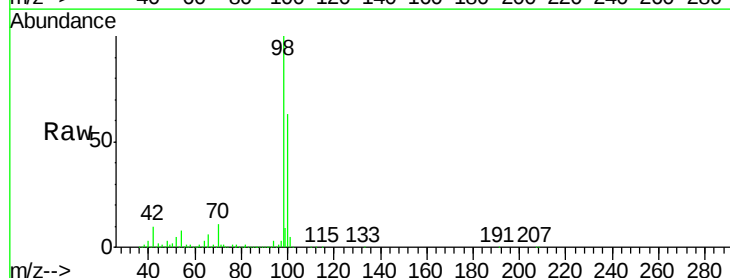
Acq: 3 Jul 2018 14:37

Tgt Ion: 98 Resp: 2936332

Ion Ratio Lower Upper

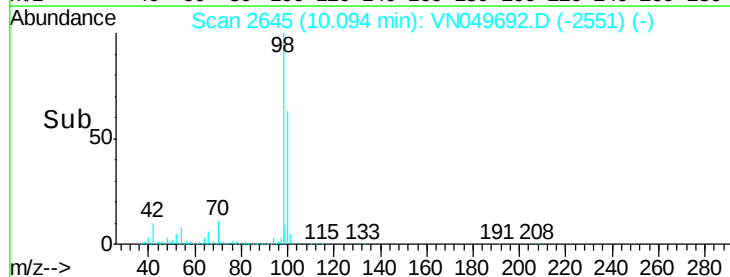
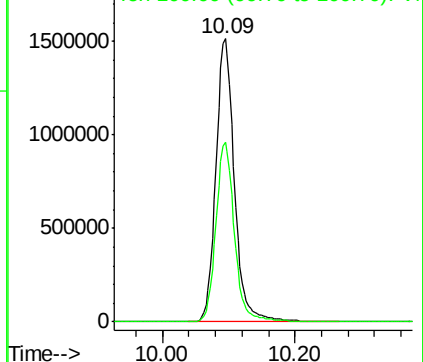
98 100

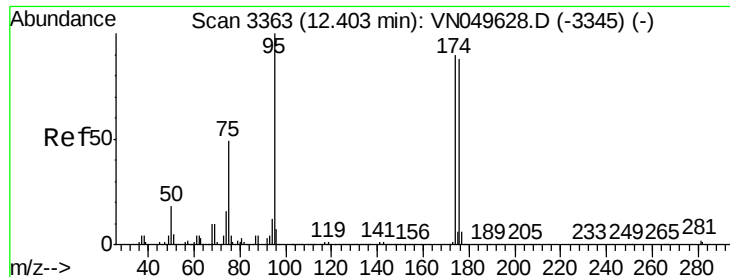
100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 43.77 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

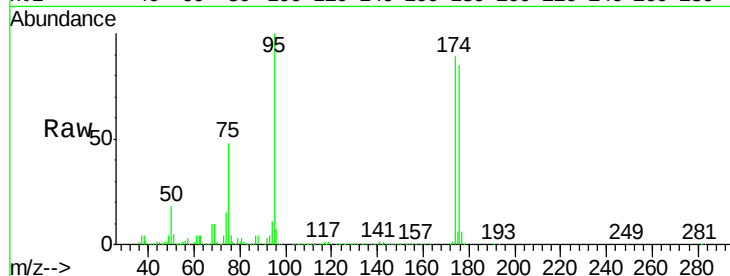
Tot Ion: 95 Resp: 951039

Ion Ratio Lower Upper

95 100

174 91.1 0.0 179.6

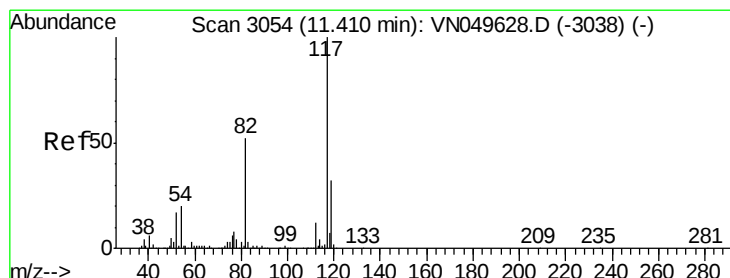
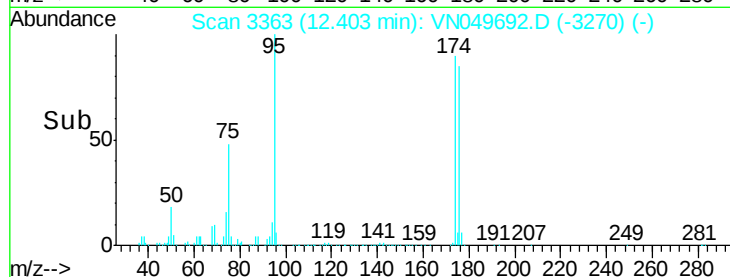
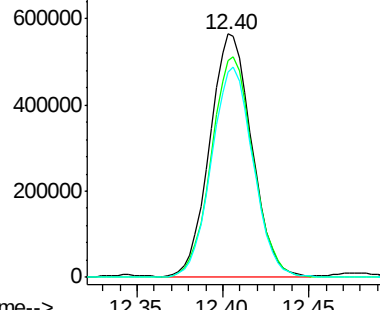
176 86.7 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049692.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049692.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049692.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

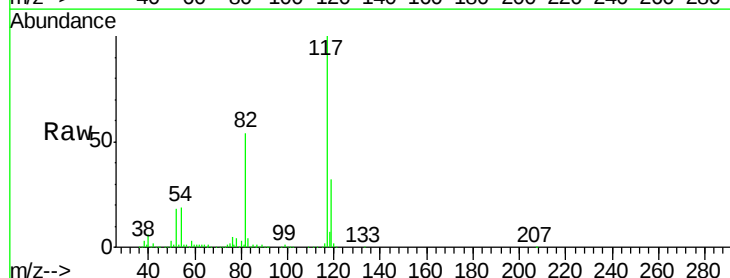
Tgt Ion: 117 Resp: 1817003

Ion Ratio Lower Upper

117 100

82 54.0 41.9 62.9

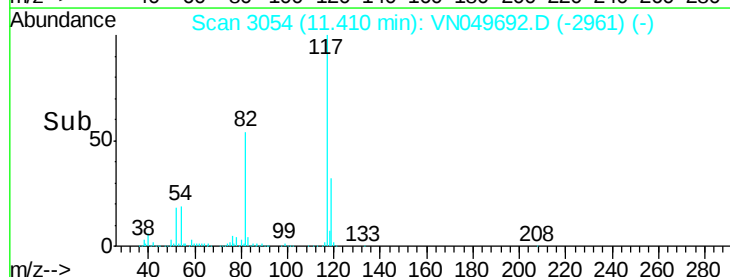
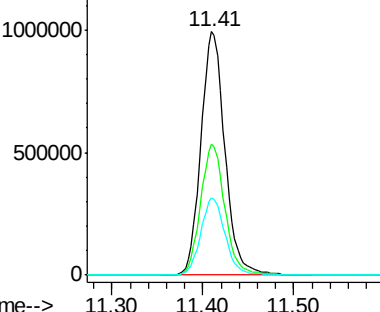
119 31.9 25.4 38.2

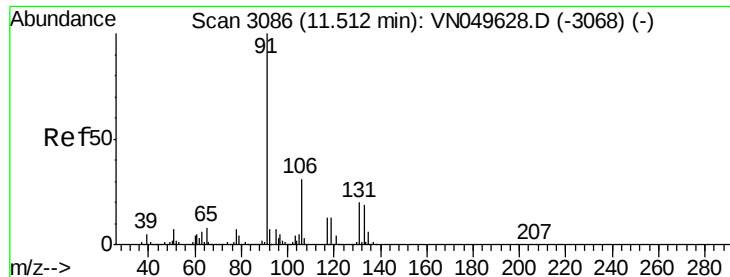


Abundance Ion 116.90 (116.60 to 117.60): VN049692.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049692.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049692.D (-2961) (-)





#67

Ethyl Benzene

Concen: 1.53 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

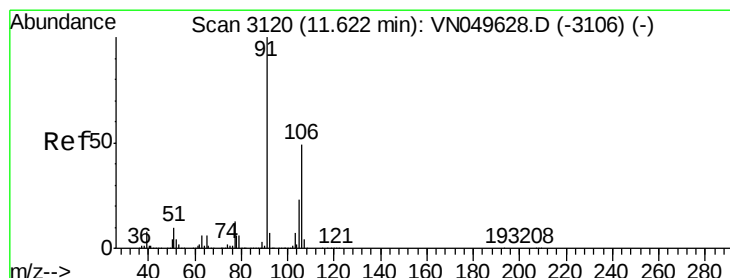
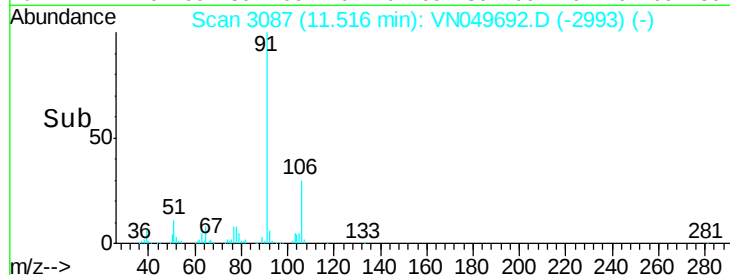
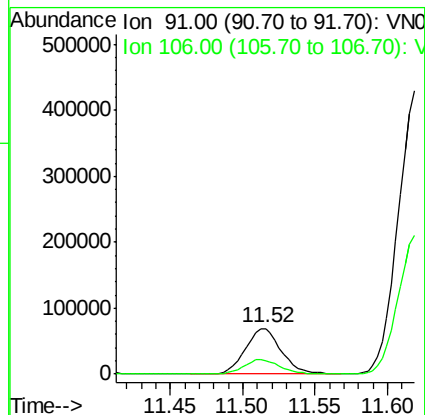
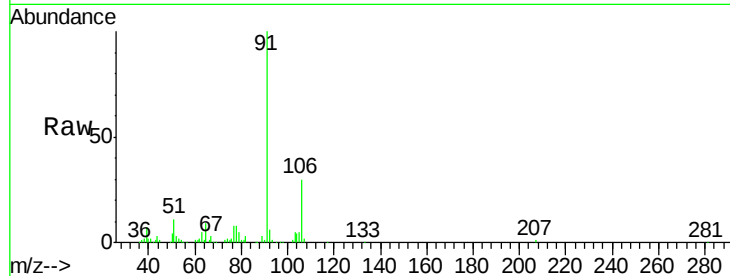
ClientSampleId :

Tot Ion: 91 Resp: 119768

Ion Ratio Lower Upper

91 100

106 30.4 24.8 37.2



#68

m/p-Xylenes

Concen: 13.44 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049692.D

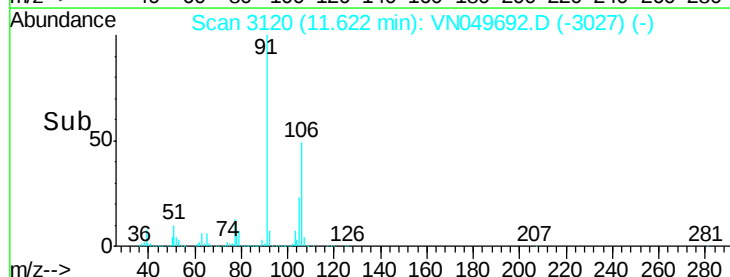
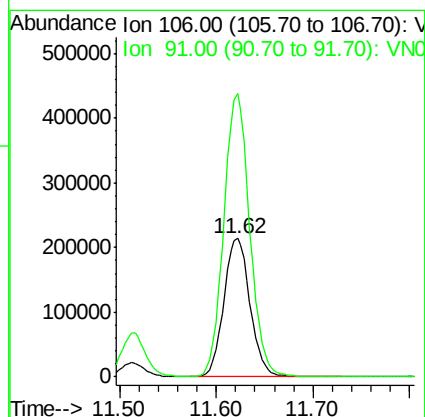
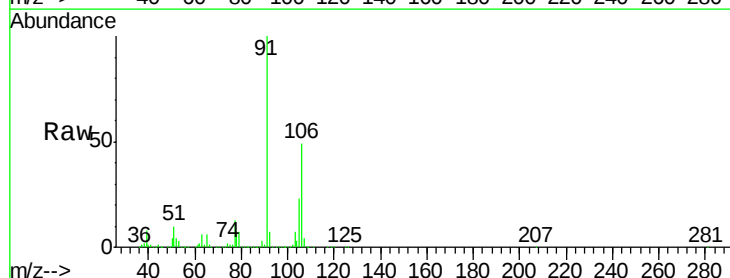
Acq: 3 Jul 2018 14:37

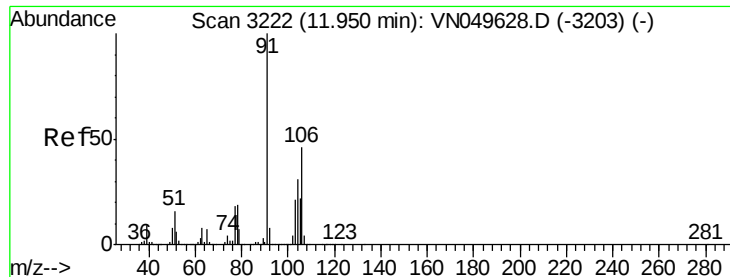
Tgt Ion: 106 Resp: 403537

Ion Ratio Lower Upper

106 100

91 201.6 163.4 245.2

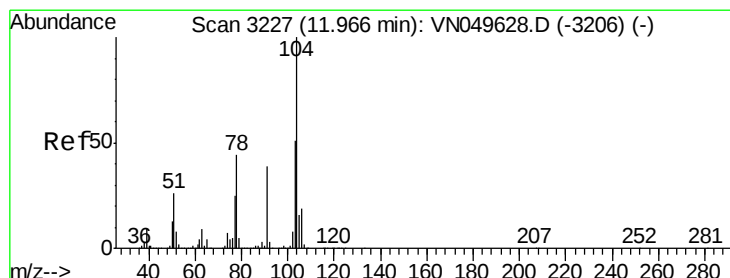
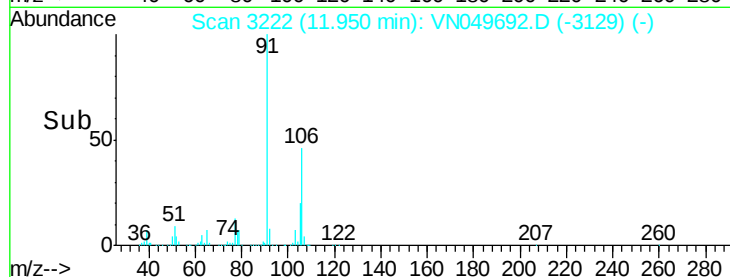
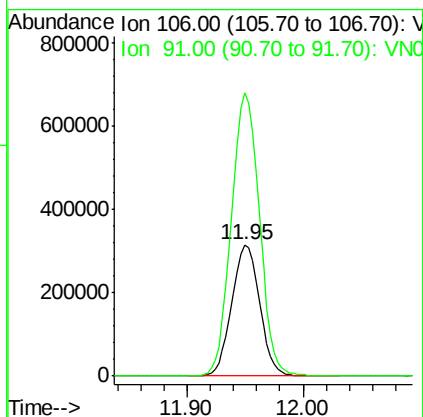
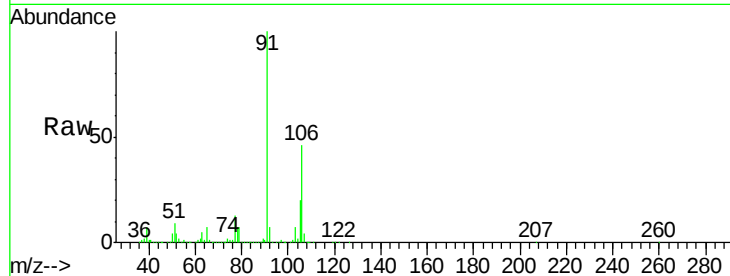




#69
o-Xylene
Concen: 18.22 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049692.D
Acq: 3 Jul 2018 14:37

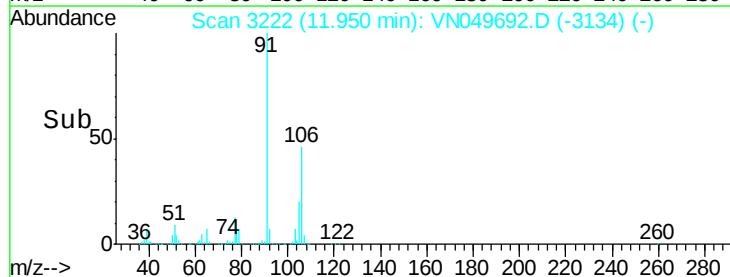
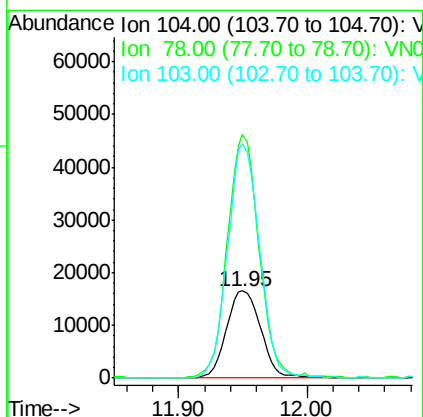
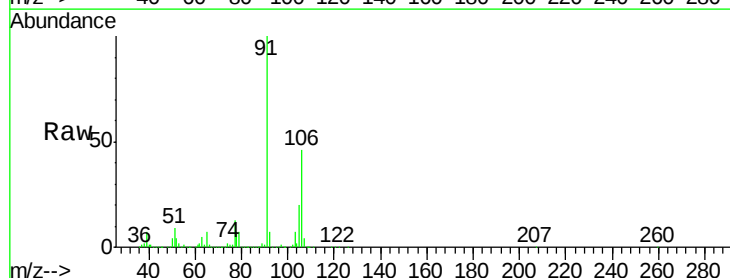
Instrument :
MSVOA_N
ClientSampled :

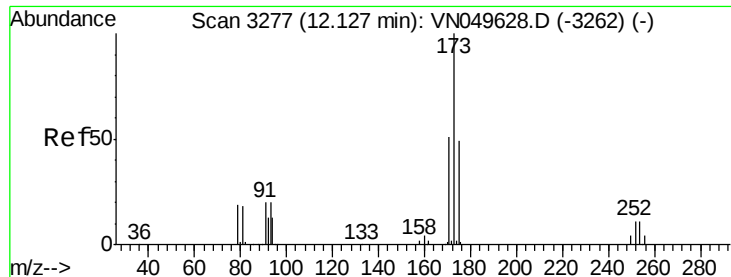
Tot Ion:106 Resp: 523834
Ion Ratio Lower Upper
106 100
91 217.2 108.7 326.1



#70
Styrene
Concen: 0.66 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.02 min
Lab File: VN049692.D
Acq: 3 Jul 2018 14:37

Tgt Ion:104 Resp: 30859
Ion Ratio Lower Upper
104 100
78 254.3 39.2 58.8#
103 249.4 44.6 67.0#





#71

Bromoform

Concen: 0.53 ug/l

RT: 12.41 min Scan# 3365

Delta R.T. 0.28 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

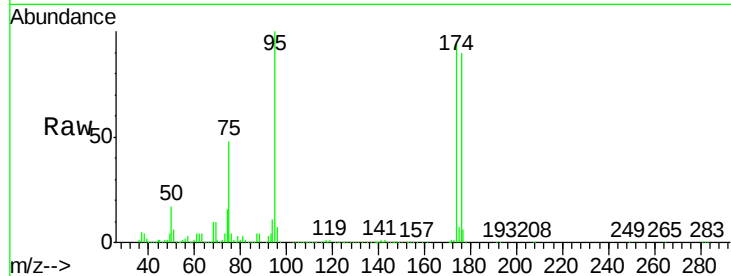
Tot Ion:173 Resp: 5943

Ion Ratio Lower Upper

173 100

175 837.5 24.6 73.8#

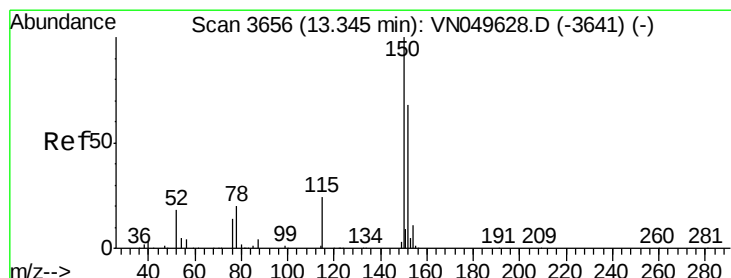
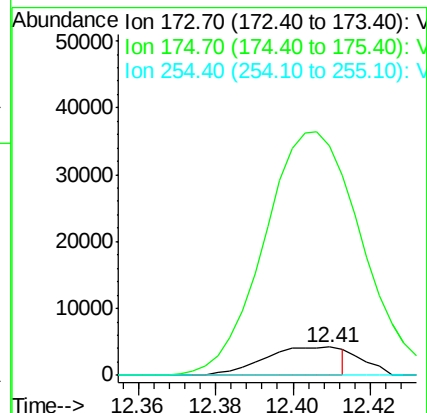
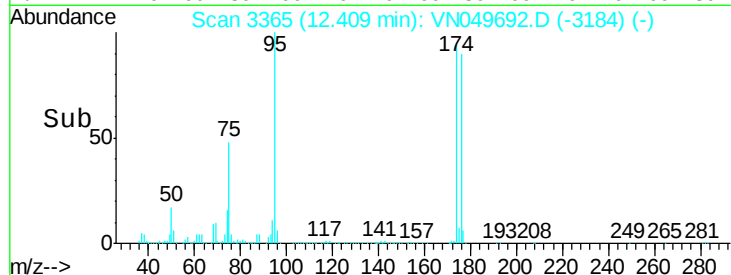
254 0.0 0.2 0.2#



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: VN049692.D

Acq: 3 Jul 2018 14:37

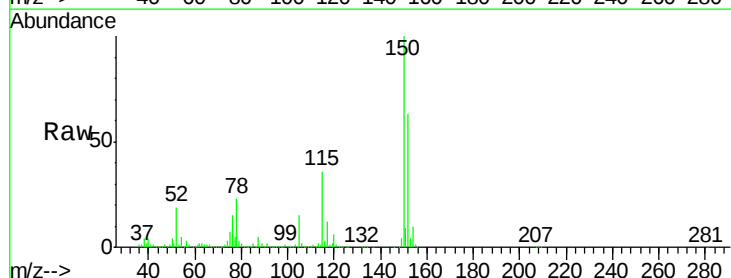
Tgt Ion:152 Resp: 881932

Ion Ratio Lower Upper

152 100

115 57.6 28.1 84.2

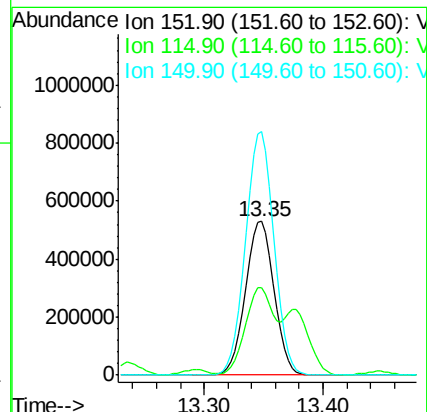
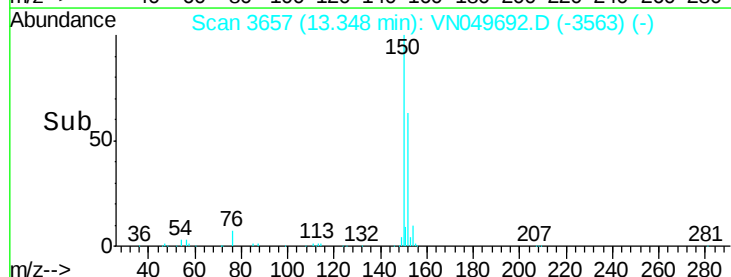
150 157.4 0.0 347.6

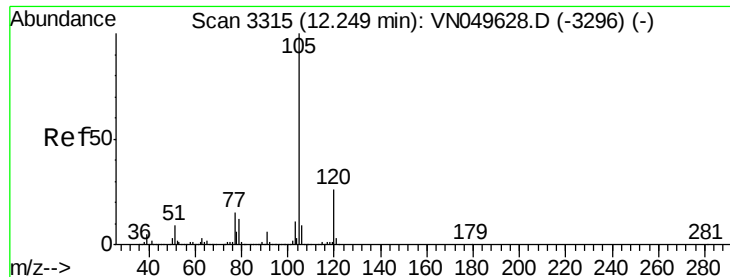


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.62 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

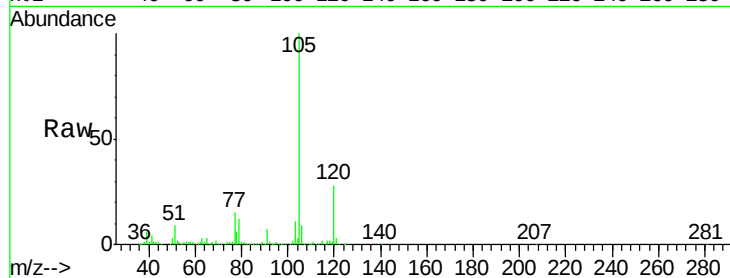
ClientSampled :

Tot Ion:105 Resp: 324464

Ion Ratio Lower Upper

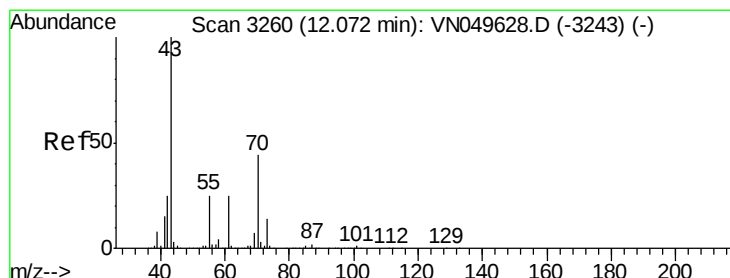
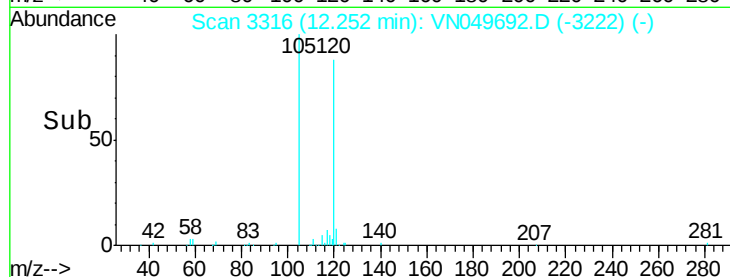
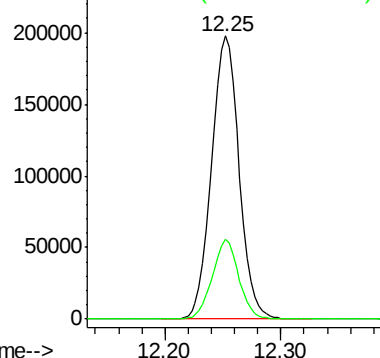
105 100

120 27.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.32 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Tgt Ion: 43 Resp: 6093

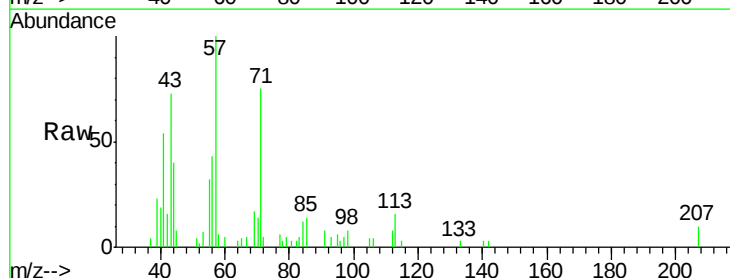
Ion Ratio Lower Upper

43 100

70 19.0 34.8 52.2#

55 0.0 20.9 31.3#

61 0.0 19.9 29.9#

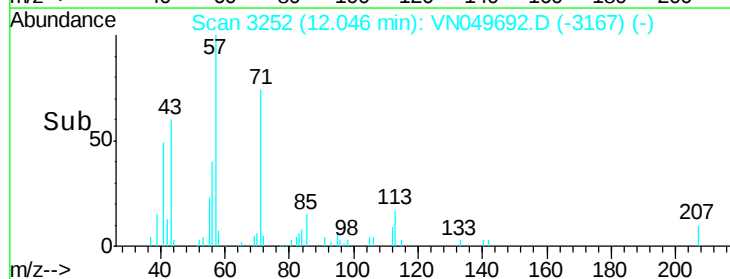
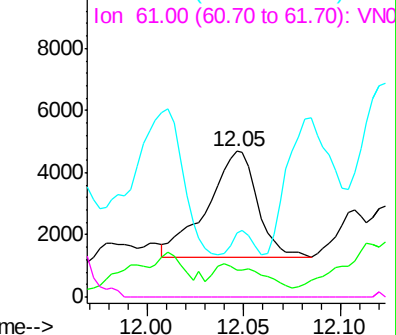


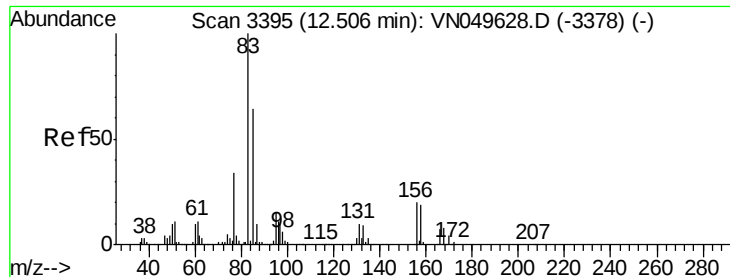
Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 70.00 (69.70 to 70.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 61.00 (60.70 to 61.70): VN





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.47 min Scan# 3385

Delta R.T. -0.03 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

ClientSampled :

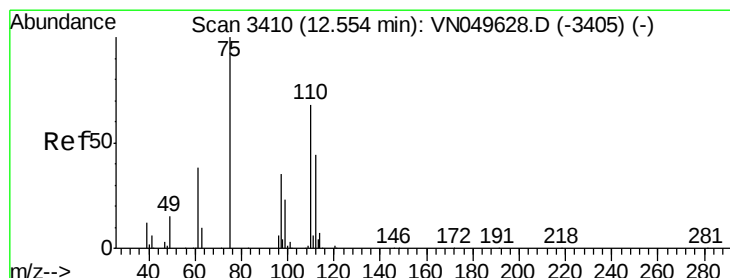
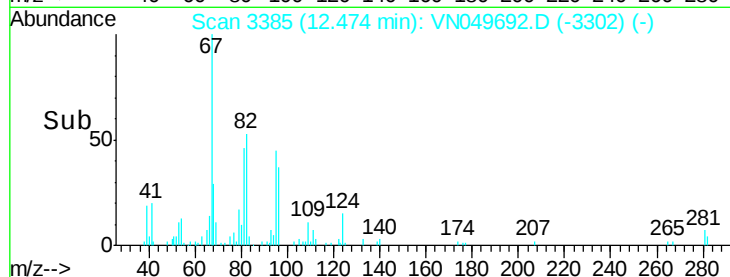
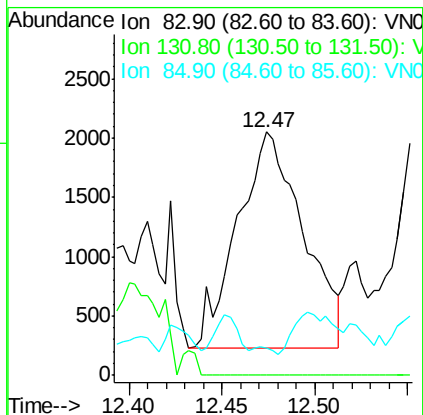
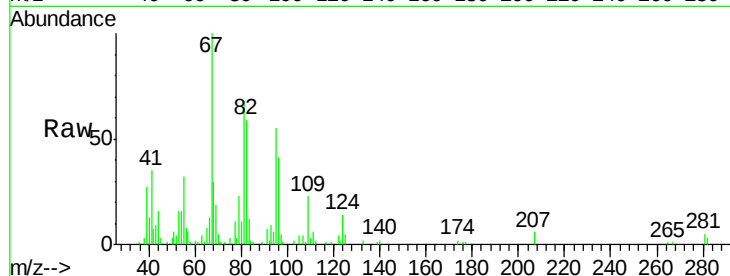
Tot Ion: 83 Resp: 4490

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 0.0 32.5 97.4#



#76

1,2,3-Trichloropropane

Concen: 3.11 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. 0.10 min

Lab File: VN049692.D

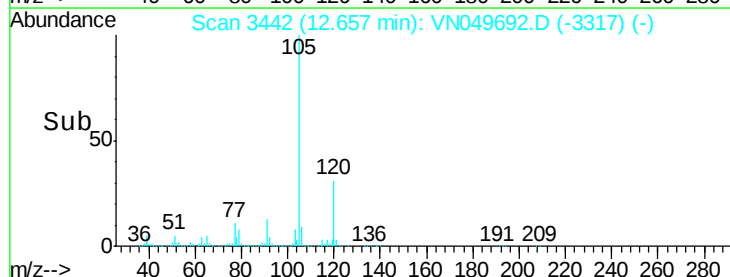
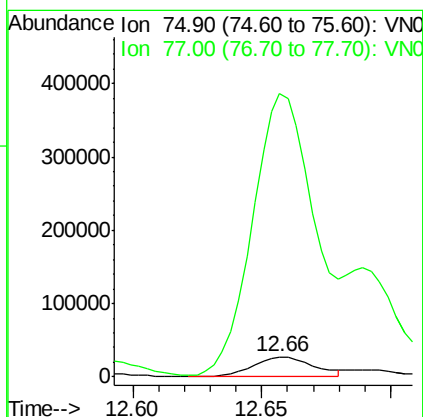
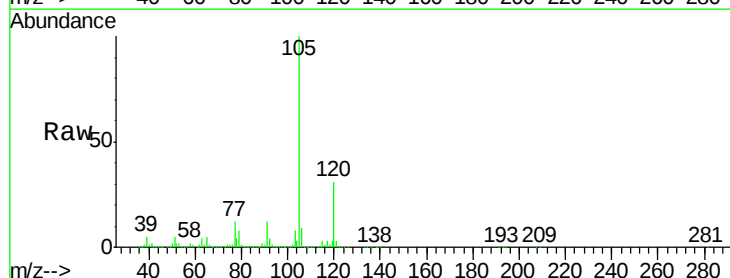
Acq: 3 Jul 2018 14:37

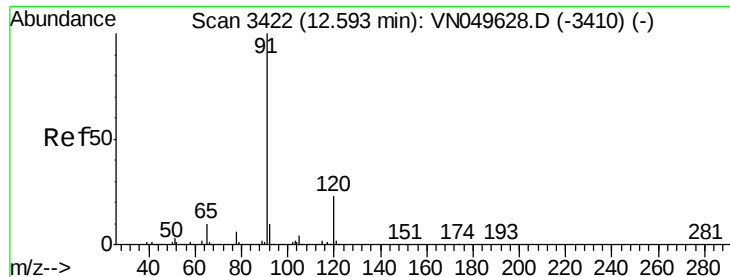
Tgt Ion: 75 Resp: 44035

Ion Ratio Lower Upper

75 100

77 1456.7 0.0 0.0#





#78

n-propylbenzene

Concen: 10.72 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

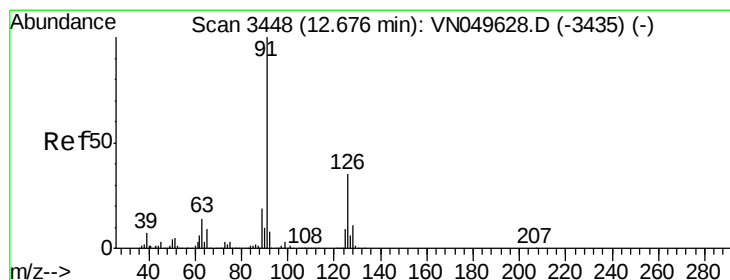
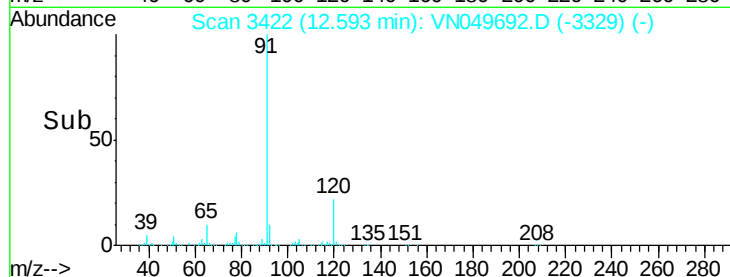
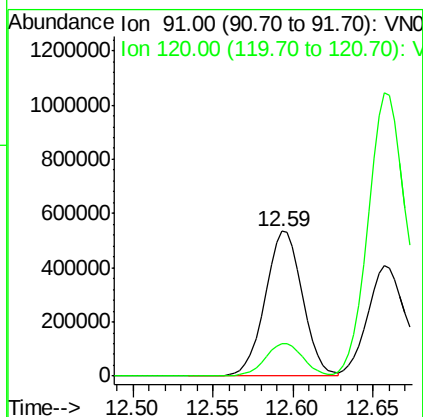
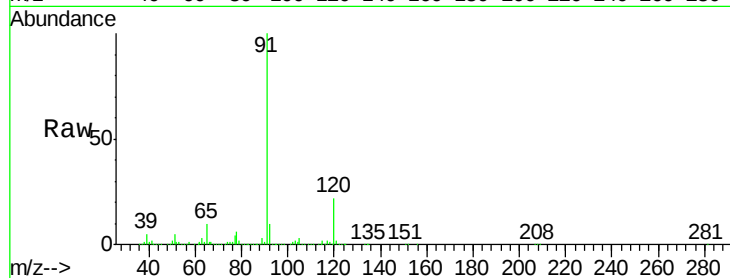
ClientSampled :

Tot Ion: 91 Resp: 862697

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.4



#79

2-Chlorotoluene

Concen: 12.44 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN049692.D

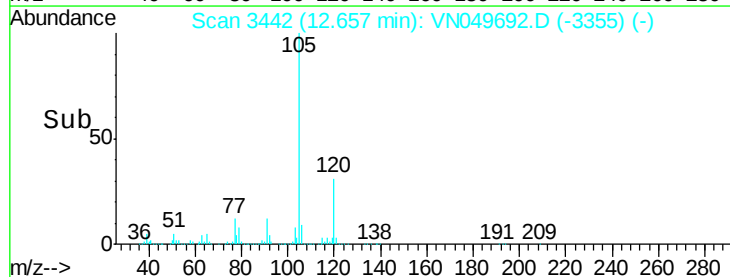
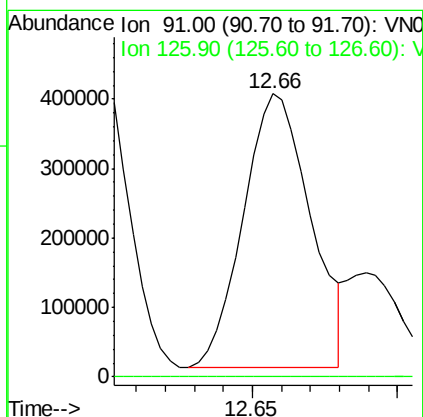
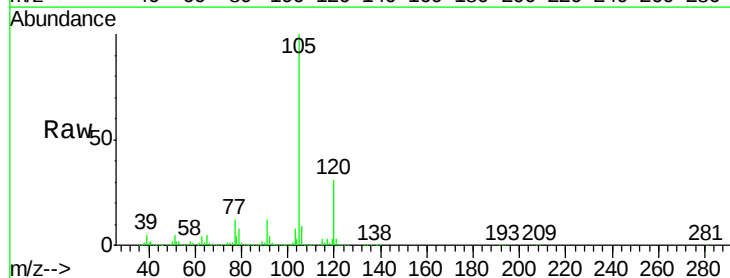
Acq: 3 Jul 2018 14:37

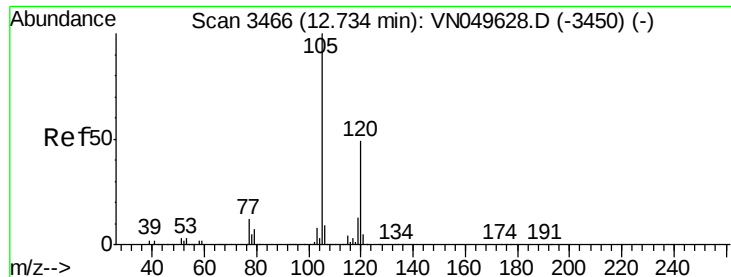
Tgt Ion: 91 Resp: 633898

Ion Ratio Lower Upper

91 100

126 0.1 17.5 52.5#





#80

1,3,5-Trimethylbenzene

Concen: 79.57 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

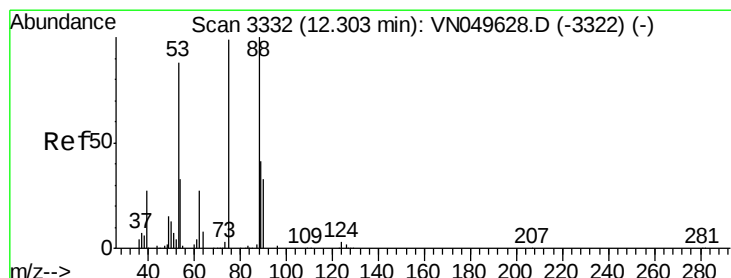
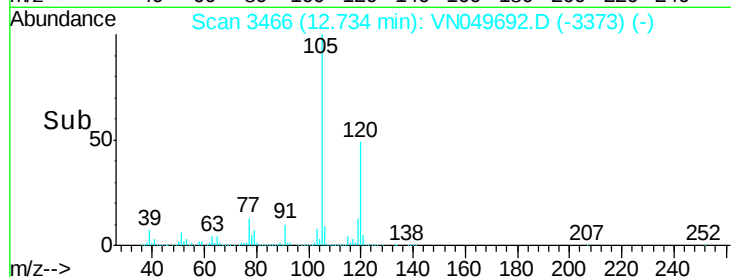
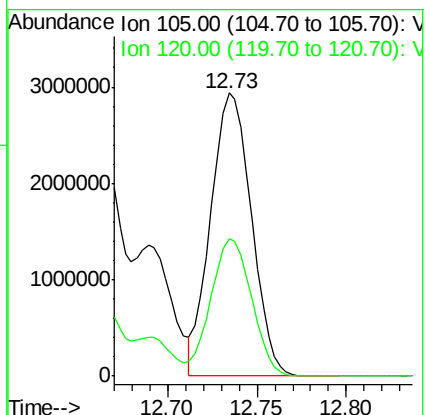
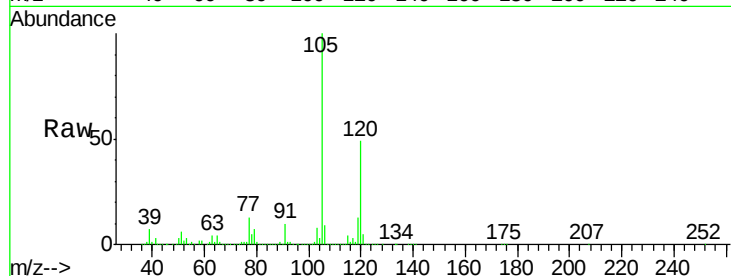
ClientSampleId :

Tot Ion:105 Resp: 4645136

Ion Ratio Lower Upper

105 100

120 49.1 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 111.13 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

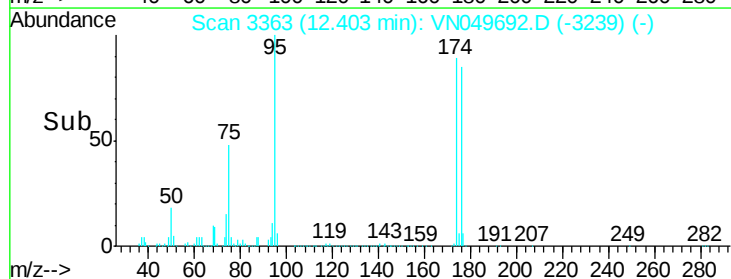
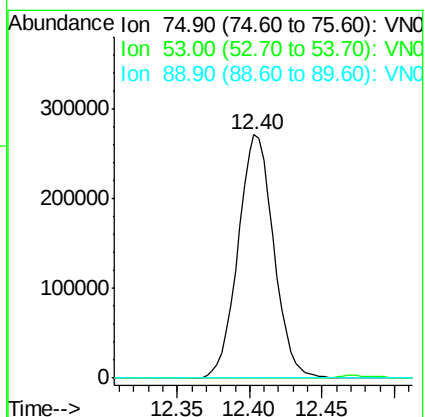
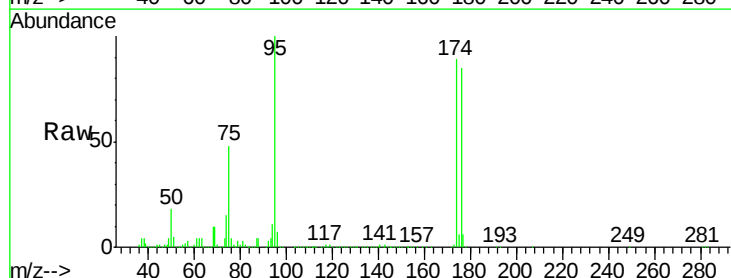
Tgt Ion: 75 Resp: 462813

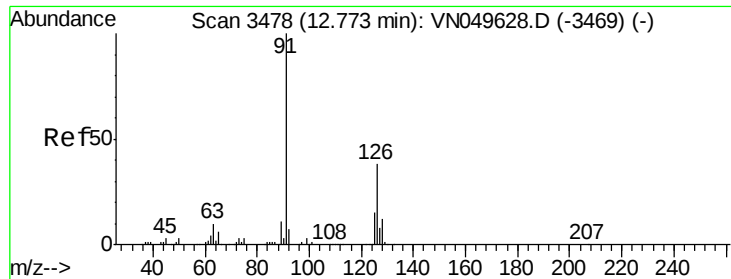
Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

89 0.0 35.9 53.9#





#82

4-Chlorotoluene

Concen: 9.15 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

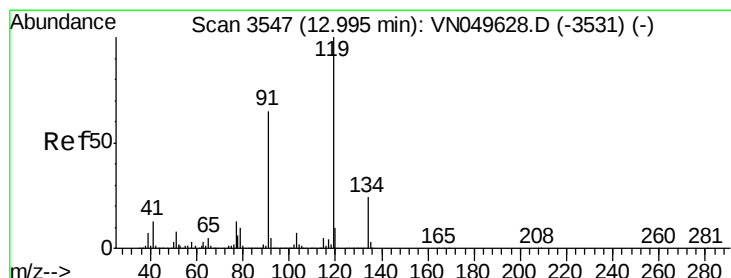
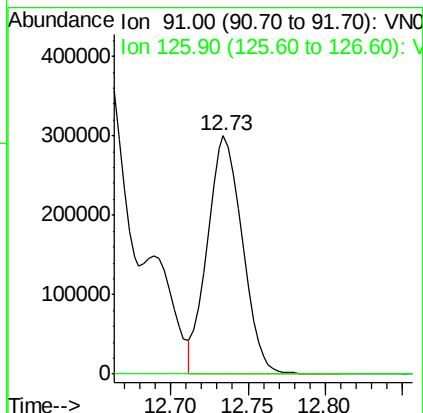
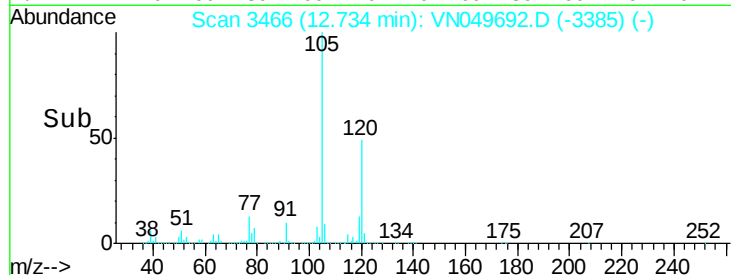
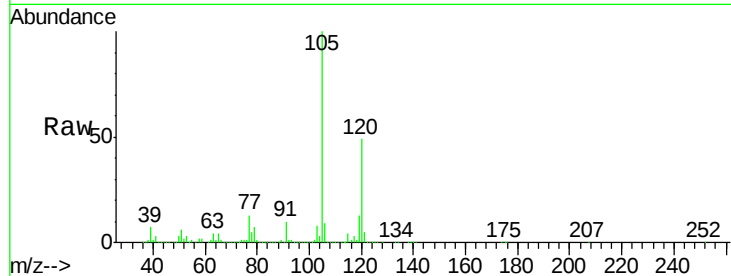
ClientSampleId :

Tot Ion: 91 Resp: 468665

Ion Ratio Lower Upper

91 100

126 0.1 17.2 51.6#



#83

tert-Butylbenzene

Concen: 1.76 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

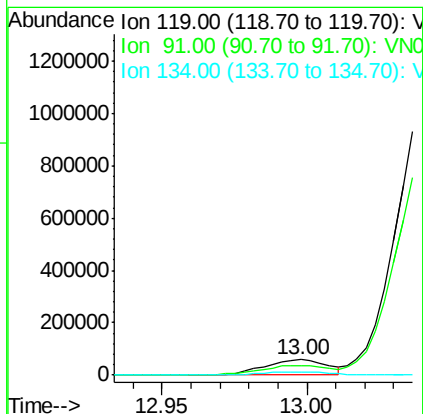
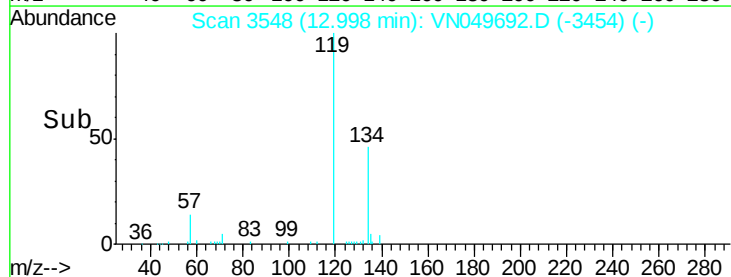
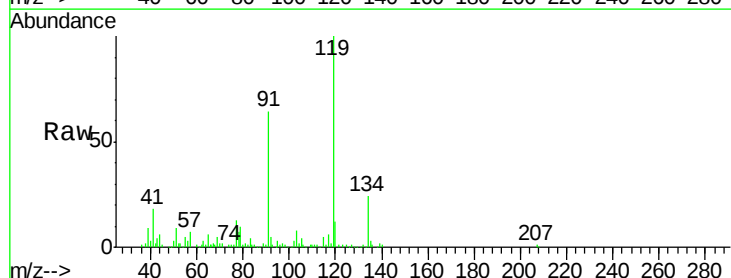
Tgt Ion: 119 Resp: 88156

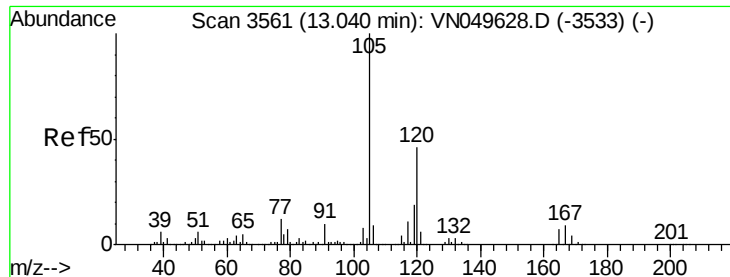
Ion Ratio Lower Upper

119 100

91 66.5 32.0 96.2

134 26.2 12.8 38.4





#84

1,2,4-Trimethylbenzene

Concen: 230.01 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

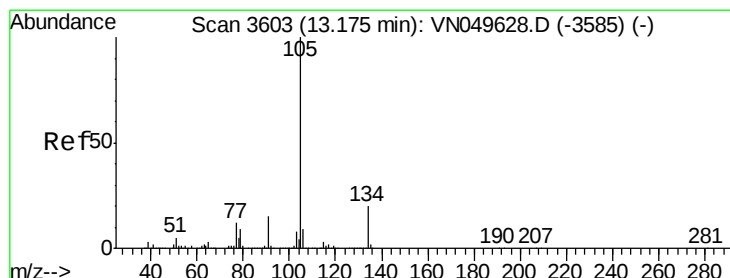
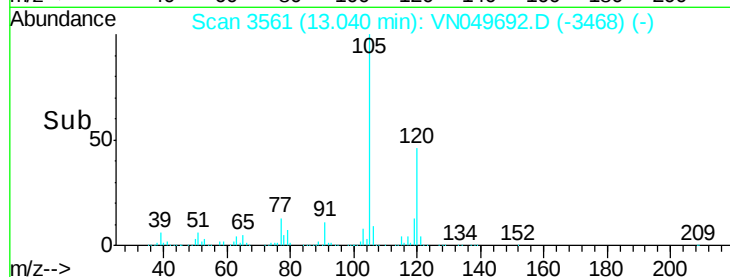
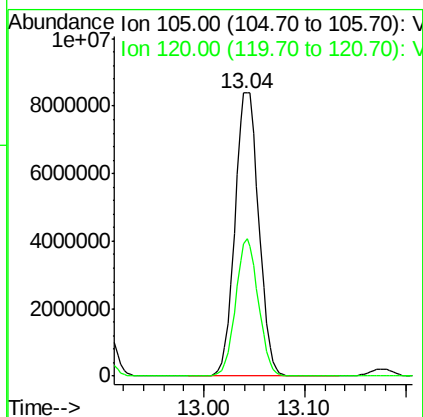
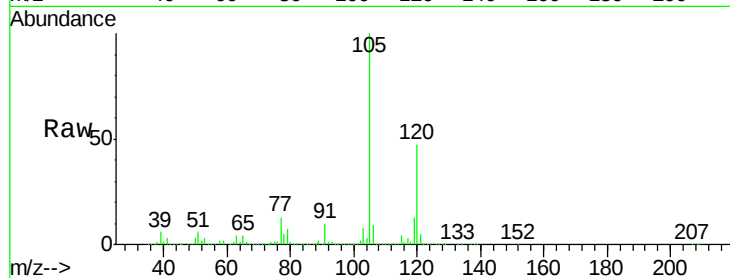
ClientSampled :

Tot Ion:105 Resp:13796762

Ion Ratio Lower Upper

105 100

120 46.1 22.7 68.1



#85

sec-Butylbenzene

Concen: 207.65 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.14 min

Lab File: VN049692.D

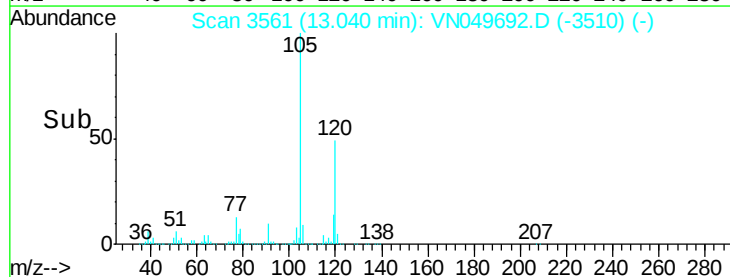
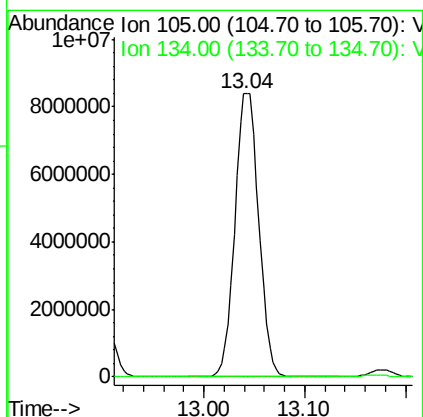
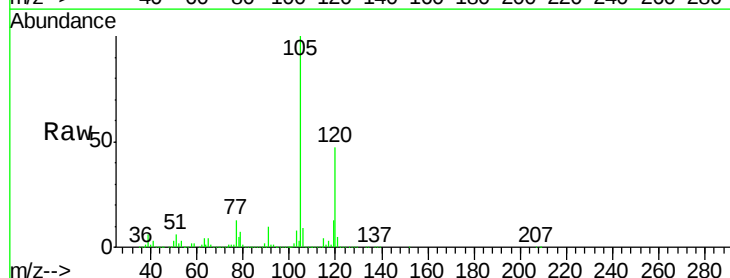
Acq: 3 Jul 2018 14:37

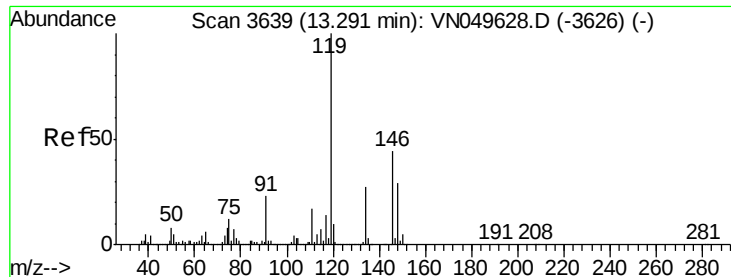
Tgt Ion:105 Resp:13796762

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#

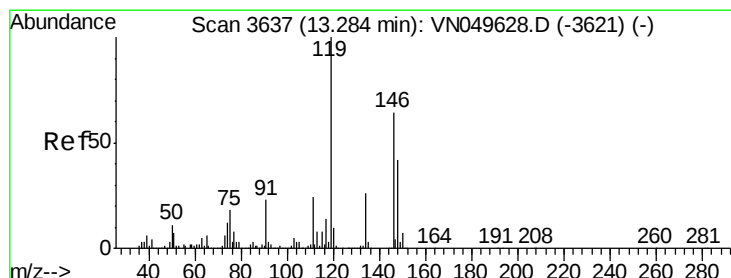
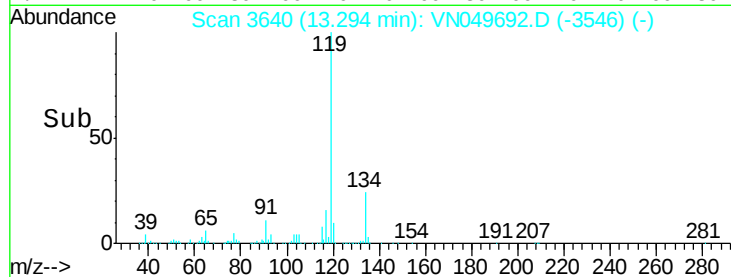
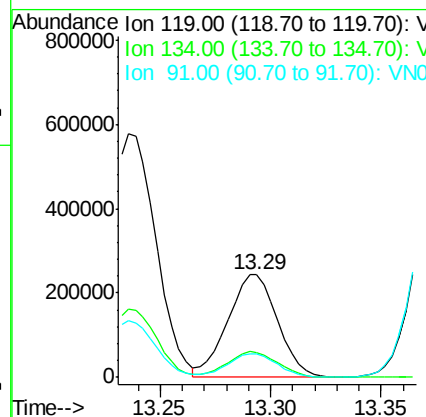
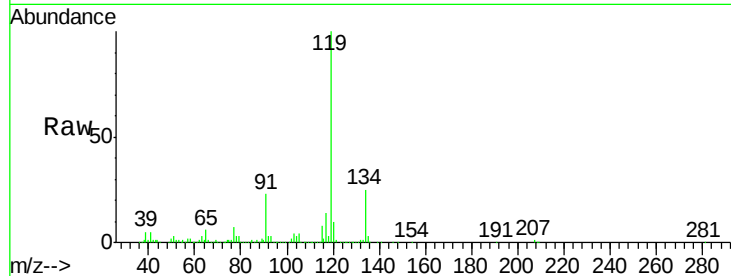




#86
 p-Isopropyltoluene
 Concen: 6.60 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN049692.D
 Acq: 3 Jul 2018 14:37

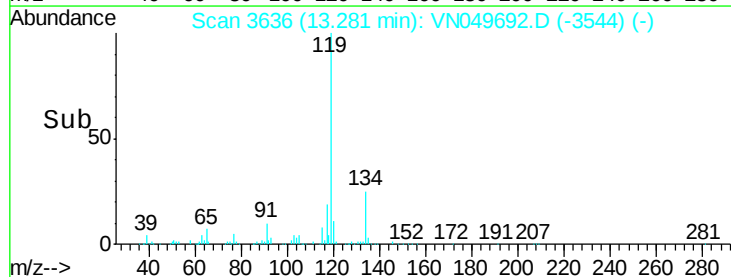
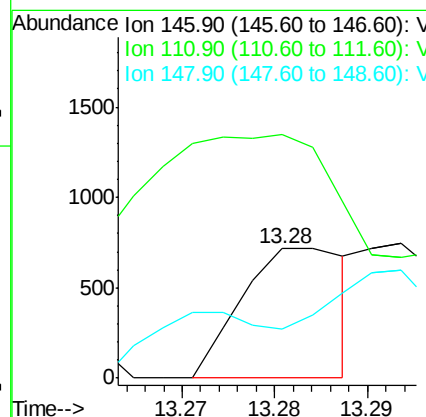
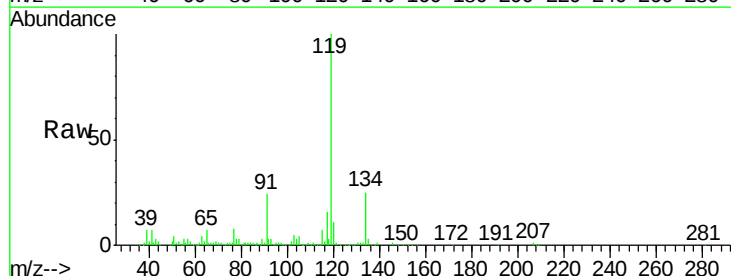
Instrument :
 MSVOA_N
 ClientSampleId :

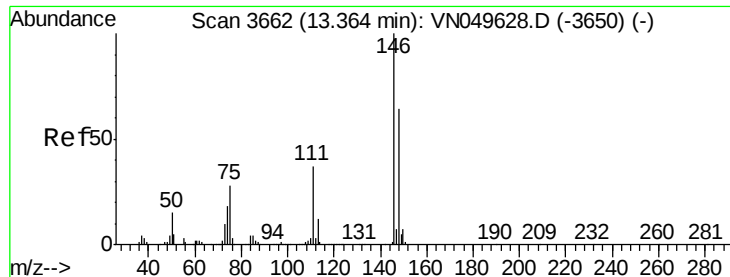
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.3	39.9
91	22.2	11.4	34.1



#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN049692.D
 Acq: 3 Jul 2018 14:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	304.6	19.0	57.0#
148	59.5	32.5	97.5

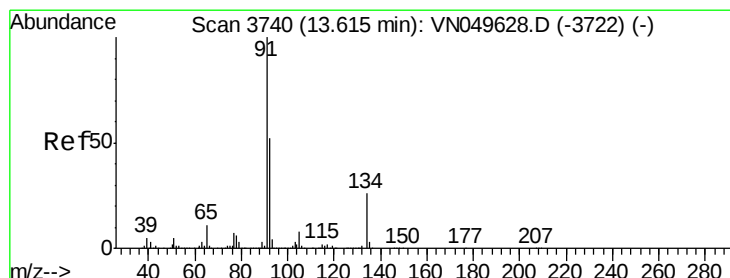
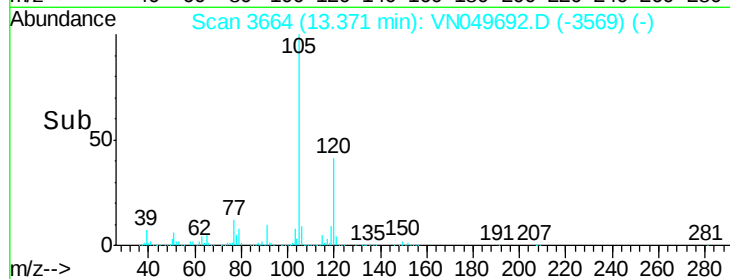
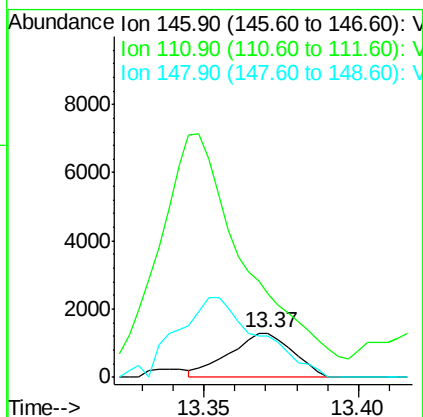
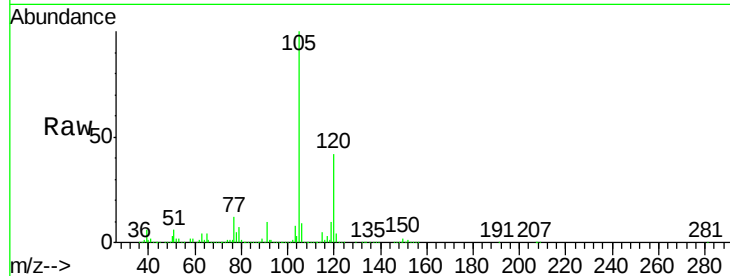




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.37 min Scan# 3664
 Delta R.T. 0.01 min
 Lab File: VN049692.D
 Acq: 3 Jul 2018 14:37

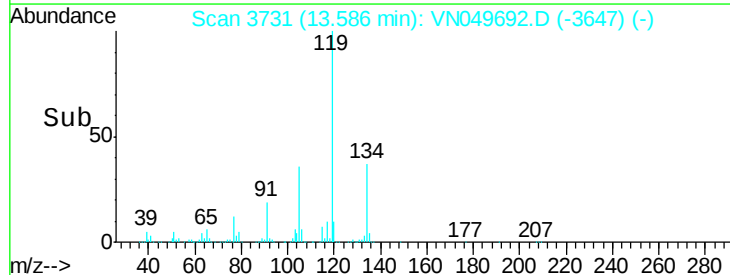
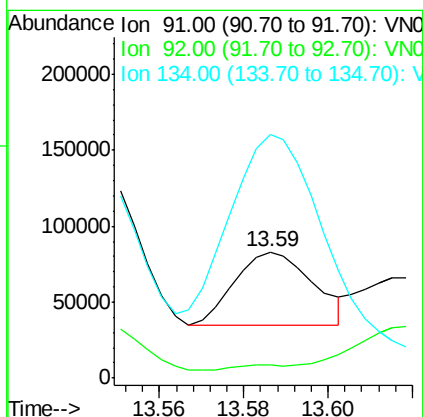
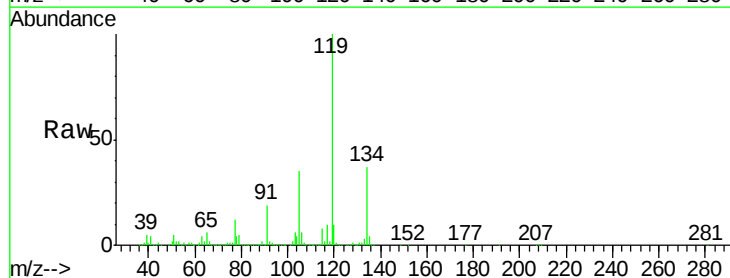
Instrument :
 MSVOA_N
 ClientSampled :

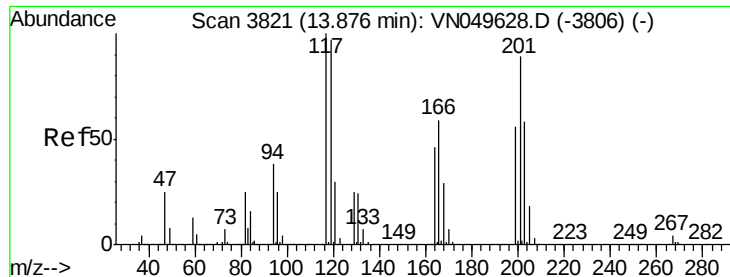
Tot Ion:146 Resp: 1848
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.9 56.5#
 148 0.0 32.1 96.3#



#89
 n-Butylbenzene
 Concen: 1.24 ug/l
 RT: 13.59 min Scan# 3731
 Delta R.T. -0.03 min
 Lab File: VN049692.D
 Acq: 3 Jul 2018 14:37

Tgt Ion: 91 Resp: 60927
 Ion Ratio Lower Upper
 91 100
 92 11.2 25.8 77.3#
 134 482.2 13.0 38.9#

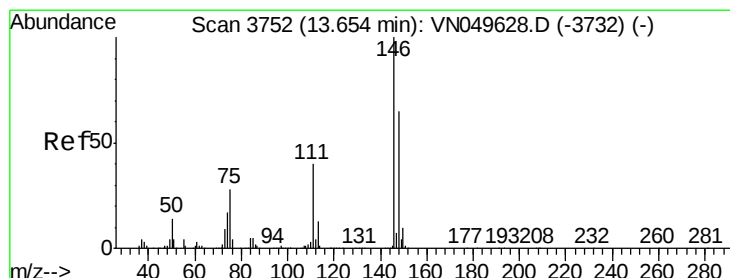
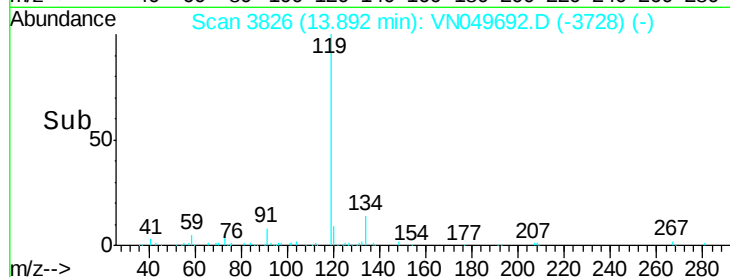
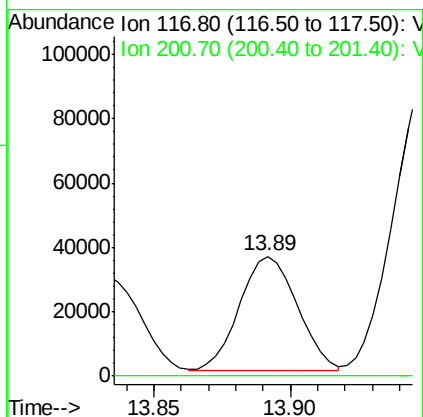
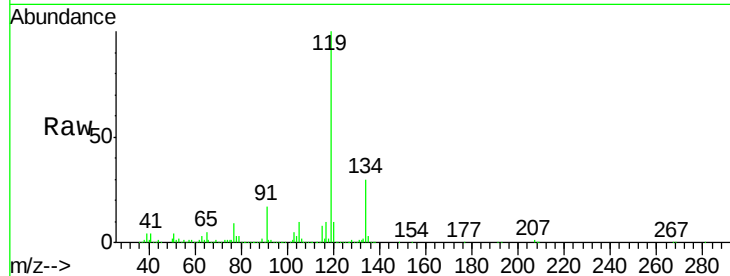




#90
Hexachloroethane
Concen: 8.58 ua/l
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN049692.D
Acq: 3 Jul 2018 14:37

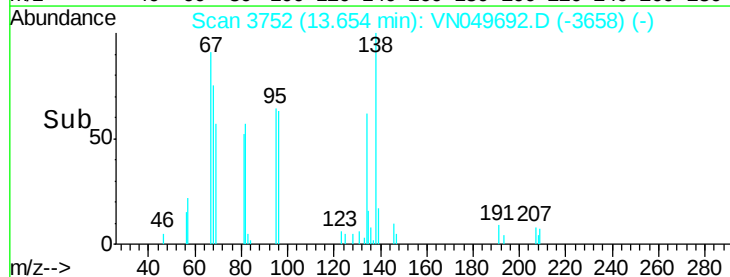
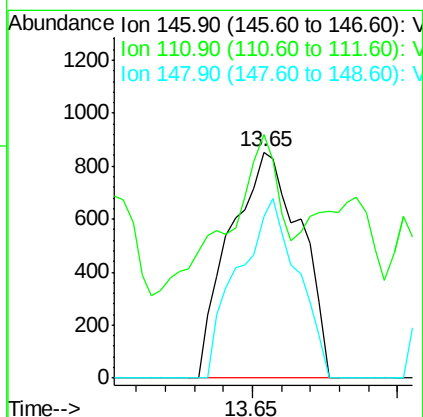
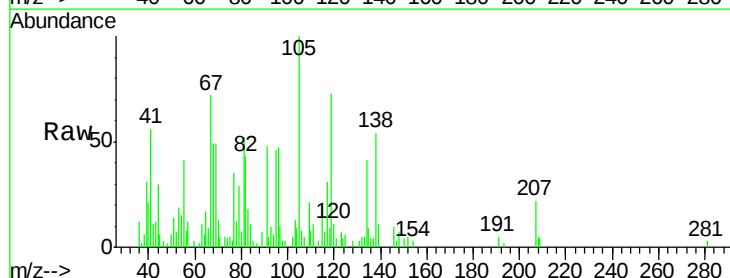
Instrument :
MSVOA_N
ClientSampled :

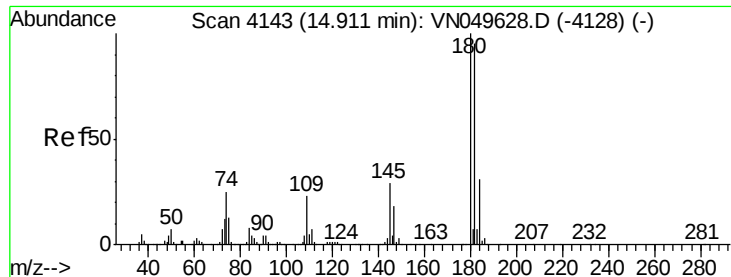
Tot Ion:117 Resp: 51845
Ion Ratio Lower Upper
117 100
201 0.0 45.3 135.8#



#91
1,2-Dichlorobenzene
Concen: Below Cal
RT: 13.65 min Scan# 3752
Delta R.T. 0.00 min
Lab File: VN049692.D
Acq: 3 Jul 2018 14:37

Tgt Ion:146 Resp: 1440
Ion Ratio Lower Upper
146 100
111 48.4 19.7 59.1
148 66.8 32.0 96.2

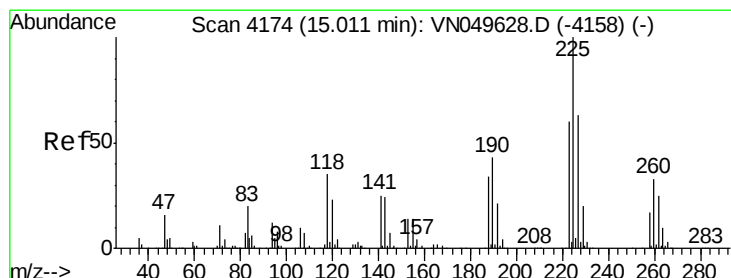
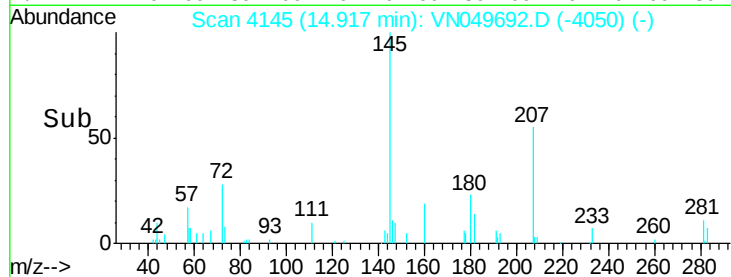
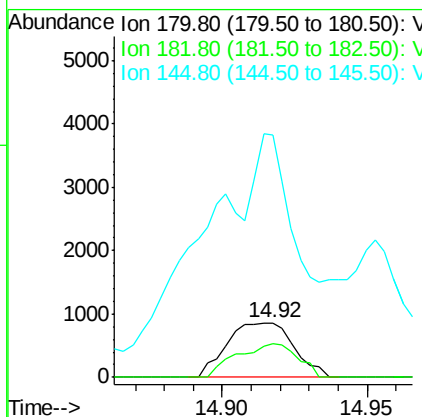
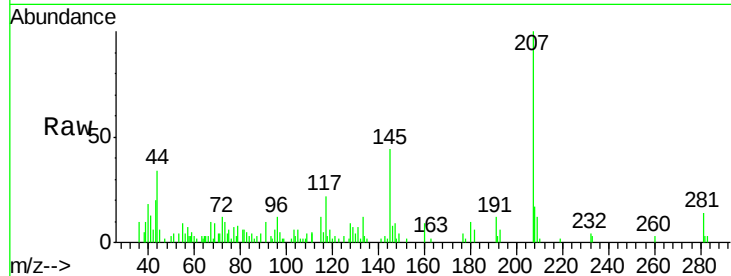




#93
 1,2,4-Trichlorobenzene
 Concen: 2.48 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.01 min
 Lab File: VN049692.D
 Acq: 3 Jul 2018 14:37

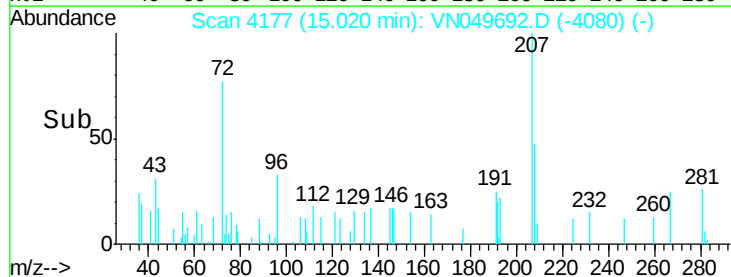
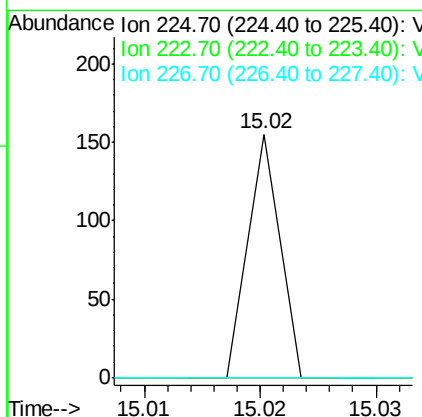
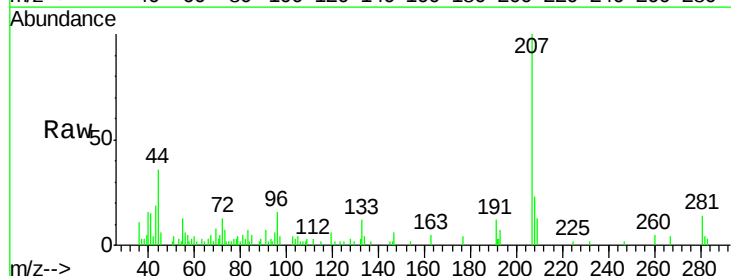
Instrument :
 MSVOA_N
 ClientSampled :

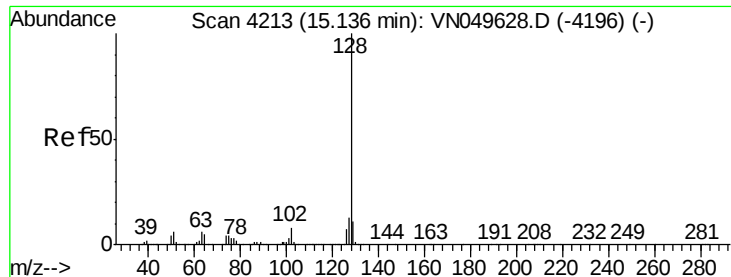
Tot Ion:180 Resp: 1372
 Ion Ratio Lower Upper
 180 100
 182 56.6 47.3 141.9
 145 297.4 14.4 43.0#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.02 min Scan# 4177
 Delta R.T. 0.01 min
 Lab File: VN049692.D
 Acq: 3 Jul 2018 14:37

Tgt Ion:225 Resp: 30
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.9 92.7#
 227 0.0 31.8 95.4#





#95

Naphthalene

Concen: 8.10 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

Instrument :

MSVOA_N

ClientSampled :

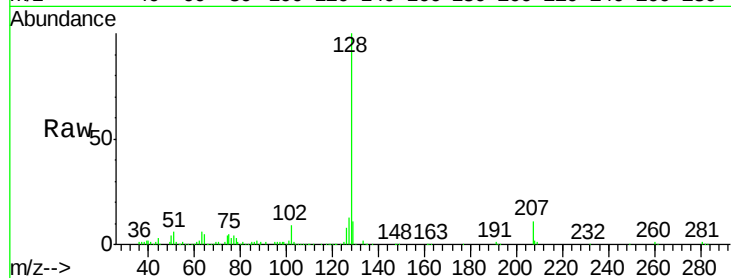
Tot Ion:128 Resp: 158321

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

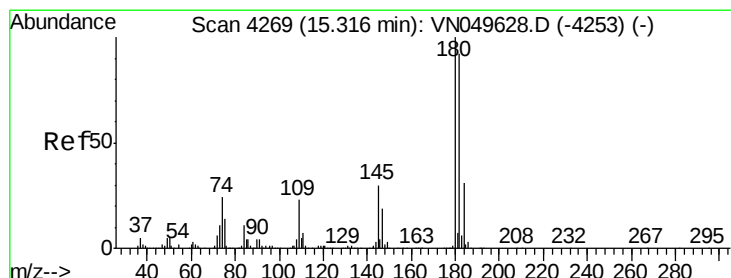
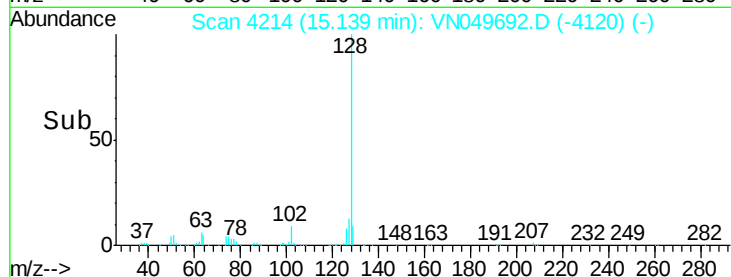
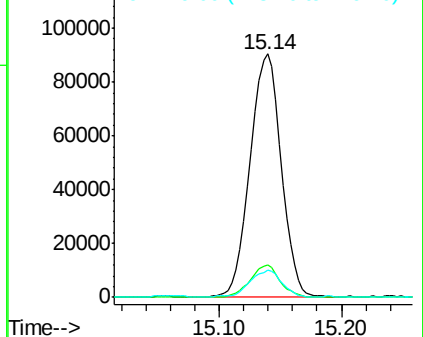
129 11.7 8.6 13.0



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: 1.71 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.01 min

Lab File: VN049692.D

Acq: 3 Jul 2018 14:37

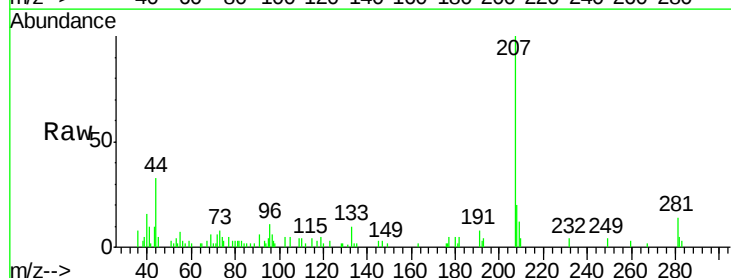
Tgt Ion:180 Resp: 927

Ion Ratio Lower Upper

180 100

182 90.5 47.4 142.2

145 0.0 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

