

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
 Data File : VN049689.D
 Acq On : 3 Jul 2018 13:19
 Operator : MD\SY
 Sample : J3811-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 23:03:57 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	1281559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2038081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1727483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	905733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	894377	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
35) Dibromofluoromethane	7.59	113	712178	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
50) Toluene-d8	10.09	98	2780470	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
62) 4-Bromofluorobenzene	12.40	95	933896	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	7641	0.42	ug/l	95
13) Acrolein	3.61	56	1062	1.17	ug/l #	80
16) Acetone	3.83	43	32966	1.77	ug/l	89
17) Carbon Disulfide	4.04	76	125002	2.68	ug/l	99
18) Methyl Acetate	4.34	43	33919	Below	Cal	96
25) 2-Butanone	6.86	43	9060	1.61	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	230502	13.32	ug/l	89
29) Tetrahydrofuran	7.22	42	758	0.21	ug/l #	63
31) Cyclohexane	7.66	56	24528	0.23	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	90507	3.95	ug/l #	48
37) Ethyl Acetate	6.86	43	9060	0.68	ug/l #	68
38) Carbon Tetrachloride	7.67	117	114063	5.11	ug/l #	16
43) Isopropyl Acetate	8.26	43	142918	4.86	ug/l #	63
44) Trichloroethene	8.84	130	109201	5.17	ug/l	99
49) 1,4-Dioxane	9.20	88	174	1.09	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	6390	0.49	ug/l	93
52) Toluene	10.16	92	18399	0.43	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	95	10.83	ug/l #	48
59) 2-Hexanone	10.76	43	4580	0.53	ug/l	97
60) Dibromochloromethane	10.63	129	23156	1.36	ug/l #	11
64) Tetrachloroethene	10.63	164	26444	1.13	ug/l	96
67) Ethyl Benzene	11.52	91	201444	2.70	ug/l	99
68) m/p-Xylenes	11.62	106	635112	22.25	ug/l	99
69) o-Xylene	11.95	106	981603	35.91	ug/l	98
70) Styrene	11.95	104	53079	1.20	ug/l #	1
71) Bromoform	12.40	173	3962	0.37	ug/l #	1
73) Isopropylbenzene	12.25	105	1048721	14.54	ug/l	99
74) N-amyl acetate	12.05	43	16826	0.85	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.47	83	13679	Below	Cal #	25
76) 1,2,3-Trichloropropane	12.60	75	17420	1.20	ug/l #	100
78) n-propylbenzene	12.60	91	2957518	35.77	ug/l	100
79) 2-Chlorotoluene	12.66	91	1589343	30.37	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.74	105	12018343	200.47	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	462305	108.09	ug/l #	13

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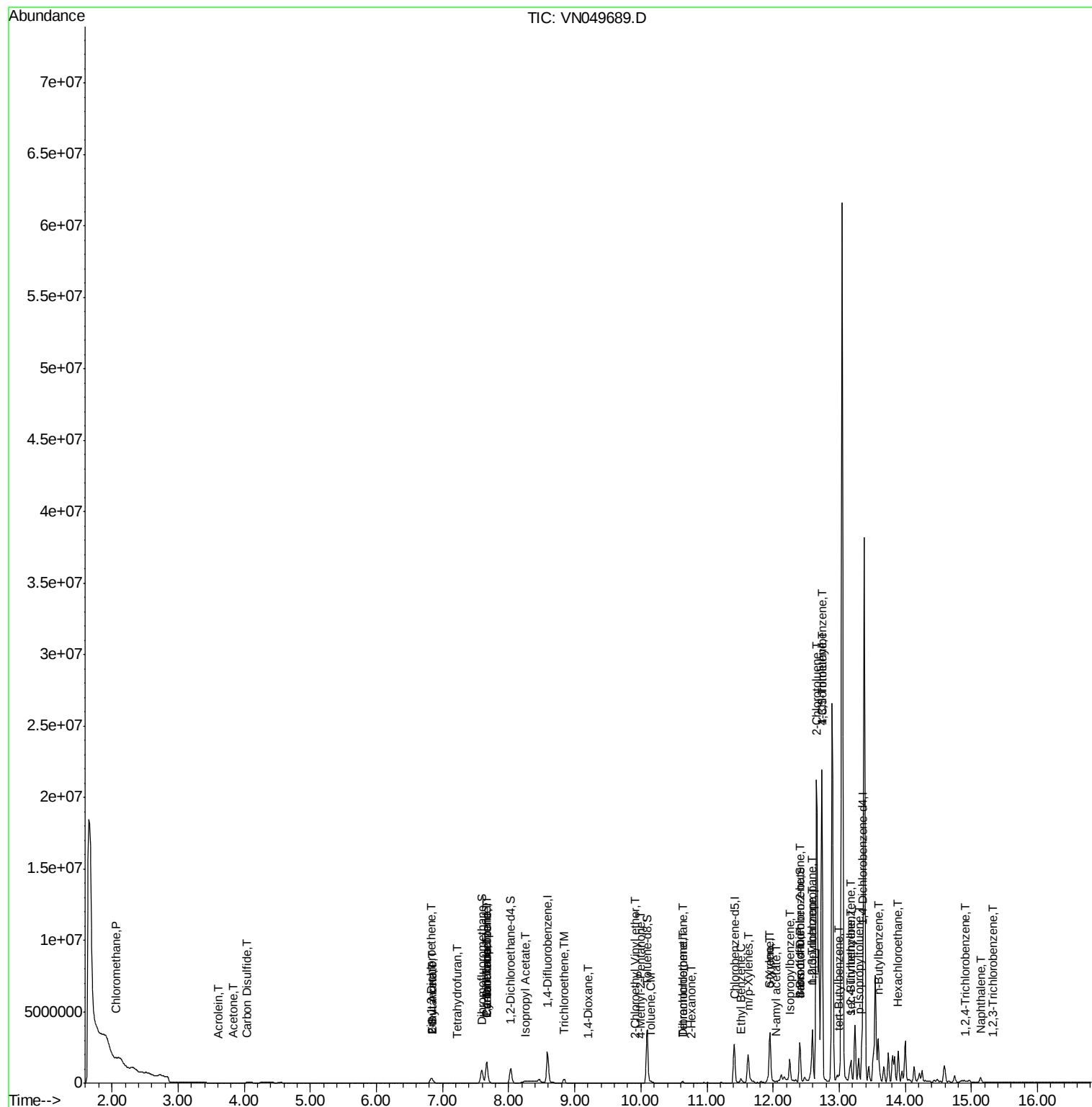
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.74	91	1216941	23.13	ug/l #	41
83) tert-Butylbenzene	13.00	119	196775	3.82	ug/l	99
84) 1,2,4-Trimethylbenzene	13.17	105	917982	14.90	ug/l #	31
85) sec-Butylbenzene	13.17	105	917982	13.45	ug/l #	77
86) p-Isopropyltoluene	13.29	119	940091	15.91	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	2469	Below Cal	#	1
88) 1,4-Dichlorobenzene	13.37	146	5560	Below Cal	#	1
89) n-Butylbenzene	13.59	91	115647	2.29	ug/l #	1
90) Hexachloroethane	13.89	117	110944	17.87	ug/l #	4
91) 1,2-Dichlorobenzene	13.66	146	2597	Below Cal	#	46
93) 1,2,4-Trichlorobenzene	14.91	180	4699	2.67	ug/l #	1
94) Hexachlorobutadiene	15.02	225	1000	Below Cal		91
95) Naphthalene	15.14	128	286784	11.21	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	4213	1.90	ug/l #	83

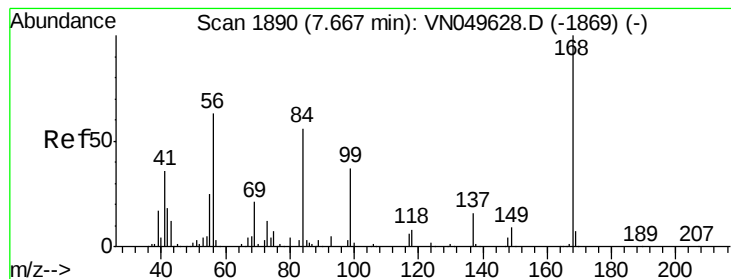
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Instrument :

MSVOA_N

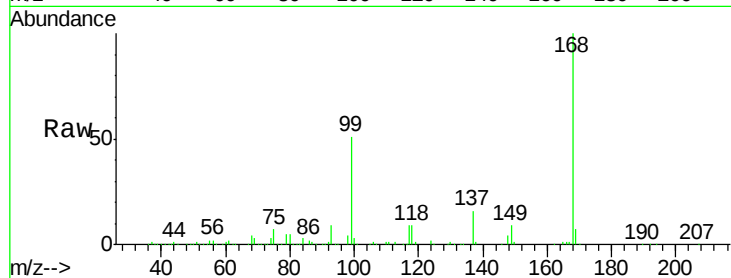
ClientSampled :

Tot Ion:168 Resp: 1281559

Ion Ratio Lower Upper

168 100

99 50.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

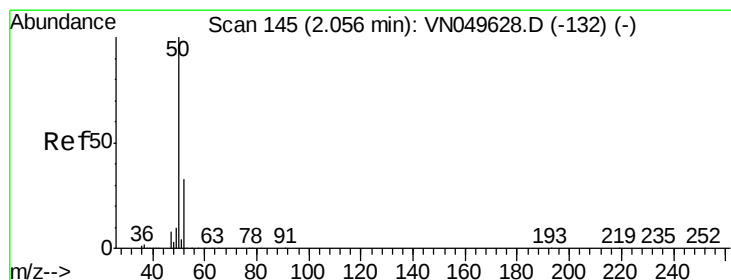
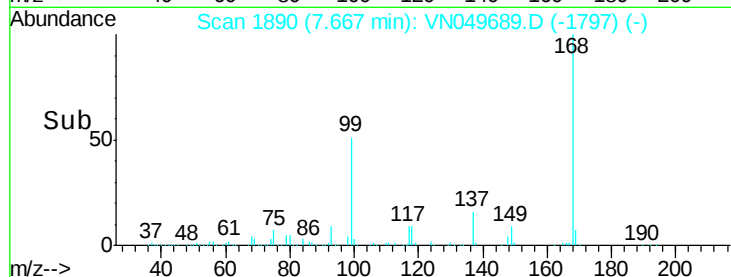
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.42 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049689.D

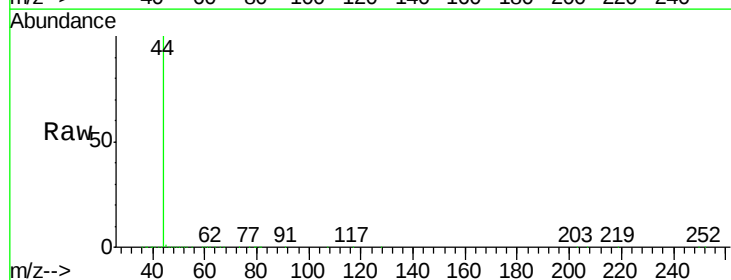
Acq: 3 Jul 2018 13:19

Tgt Ion: 50 Resp: 7641

Ion Ratio Lower Upper

50 100

52 35.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

5000

4000

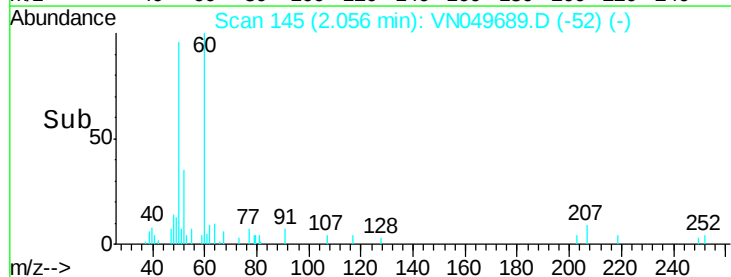
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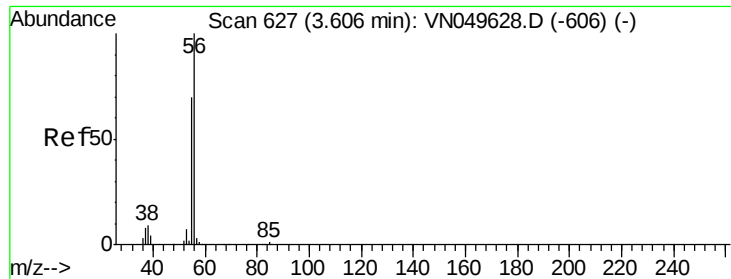
2000

1000

0

Time-->





#13

Acrolein

Concen: 1.17 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Instrument :

MSVOA_N

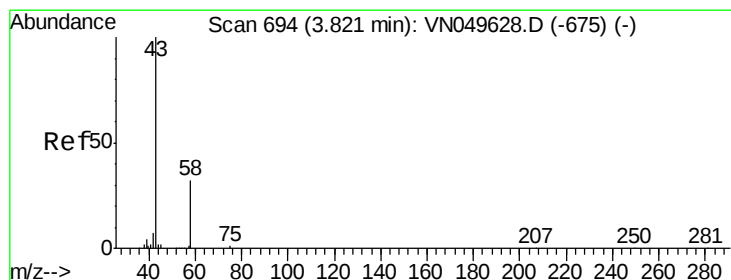
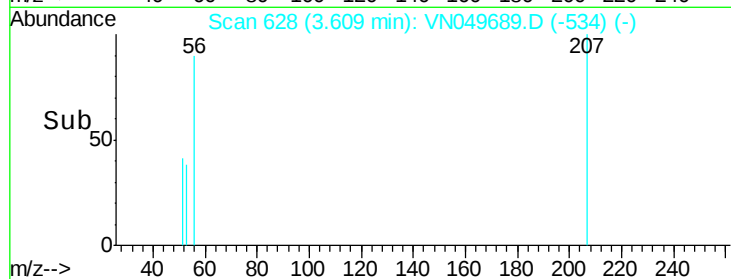
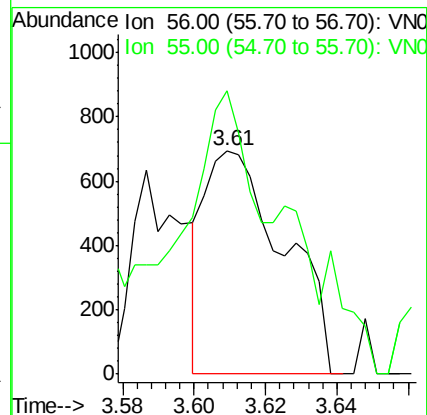
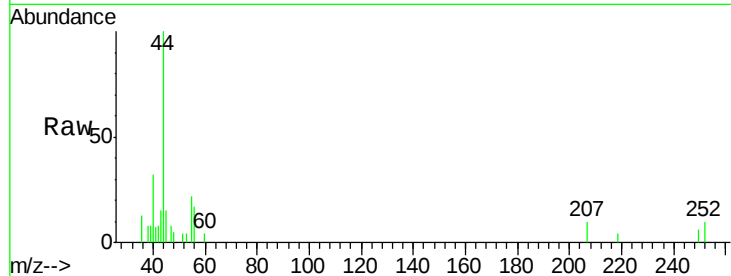
ClientSampled :

Tot Ion: 56 Resp: 1062

Ion Ratio Lower Upper

56 100

55 86.0 55.8 83.8#



#16

Acetone

Concen: 1.77 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049689.D

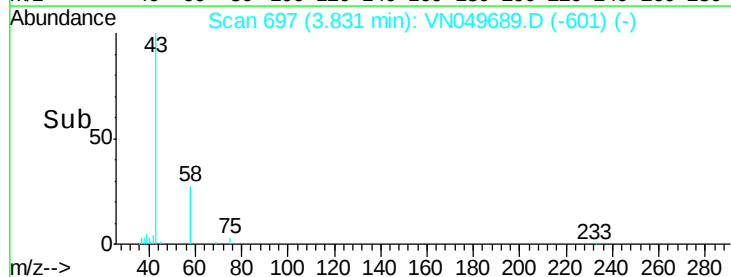
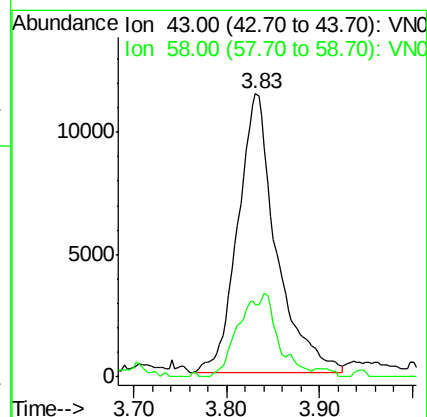
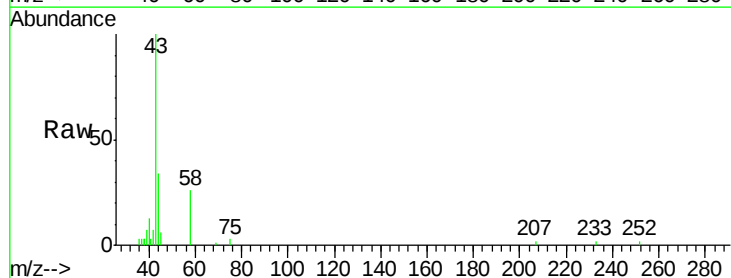
Acq: 3 Jul 2018 13:19

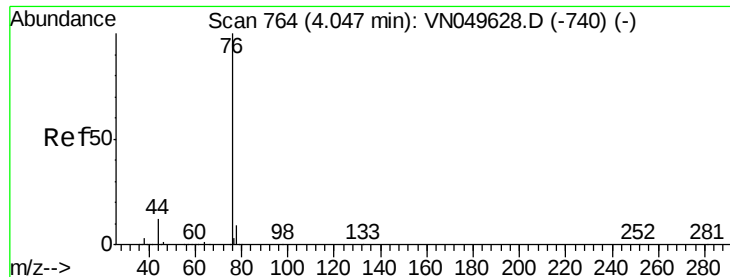
Tgt Ion: 43 Resp: 32966

Ion Ratio Lower Upper

43 100

58 26.1 25.9 38.9

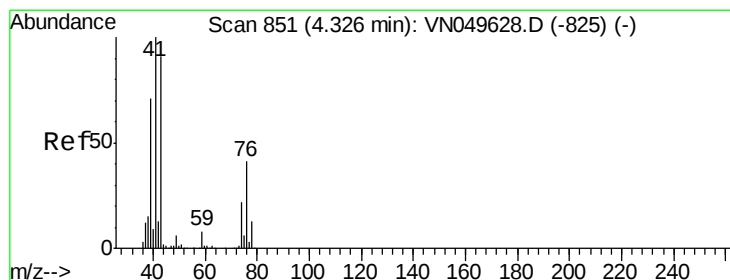
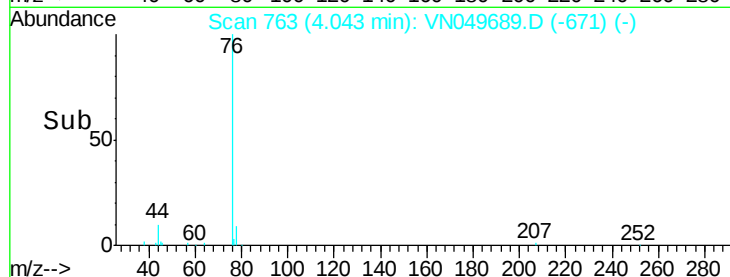
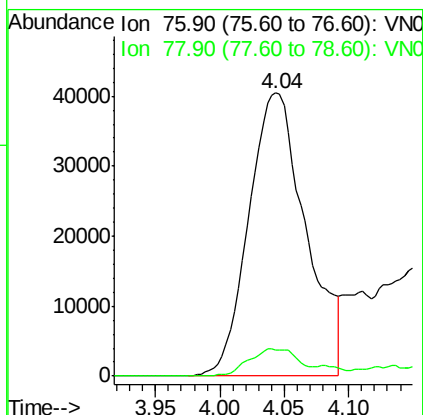
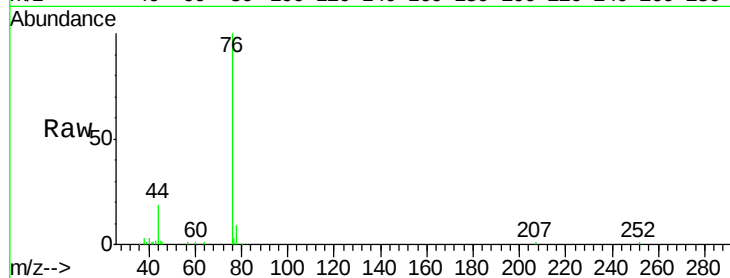




#17
Carbon Disulfide
Concen: 2.68 ug/l
RT: 4.04 min Scan# 763
Delta R.T. -0.00 min
Lab File: VN049689.D
Acq: 3 Jul 2018 13:19

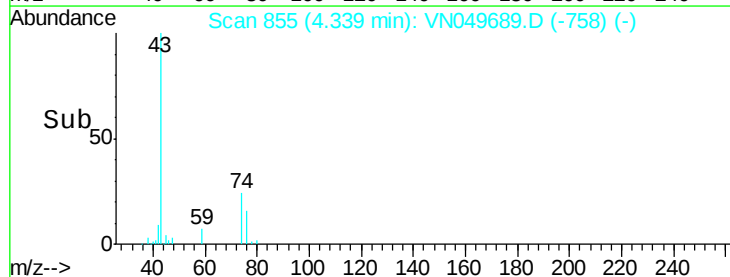
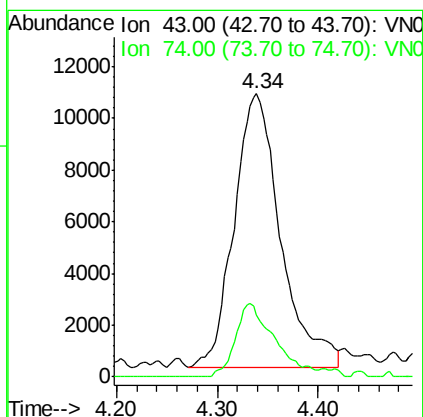
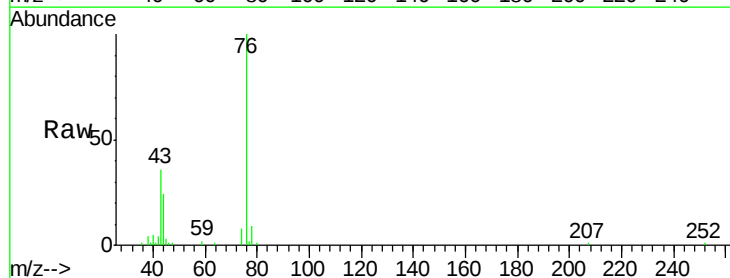
Instrument :
MSVOA_N
ClientSampled :

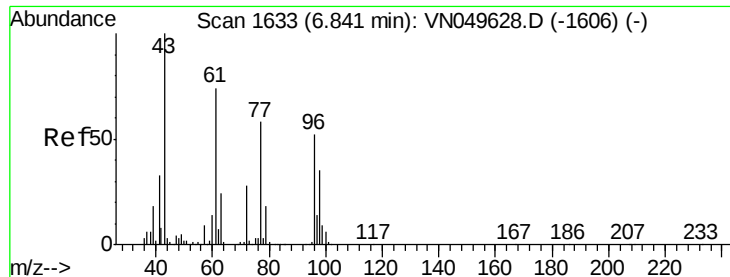
Tot Ion: 76 Resp: 125002
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN049689.D
Acq: 3 Jul 2018 13:19

Tgt Ion: 43 Resp: 33919
Ion Ratio Lower Upper
43 100
74 22.6 19.8 29.8

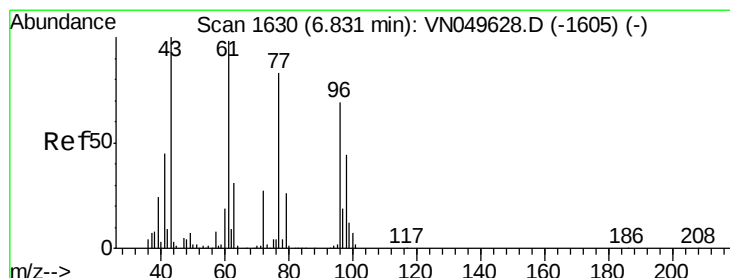
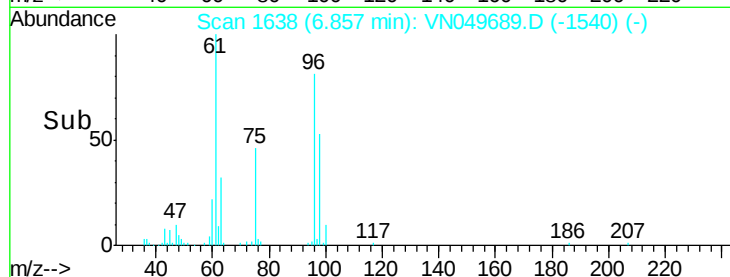
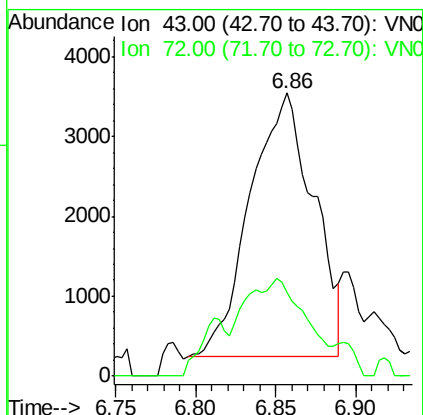
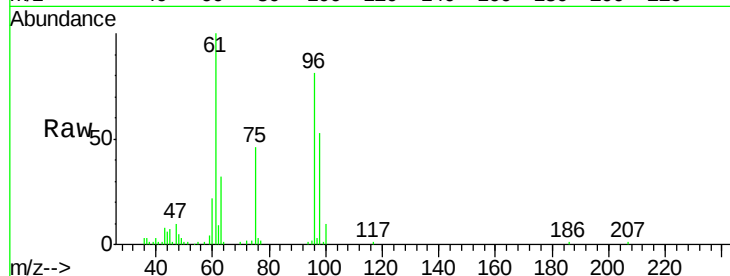




#25
2-Butanone
Concen: 1.61 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VN049689.D
Acq: 3 Jul 2018 13:19

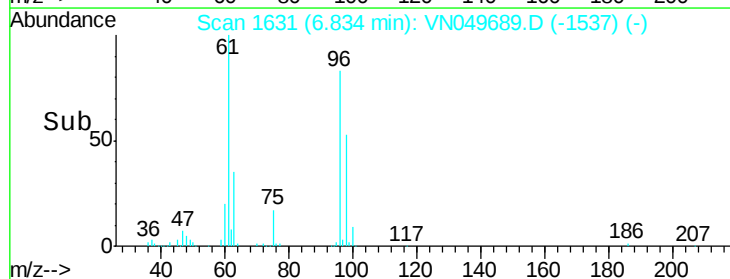
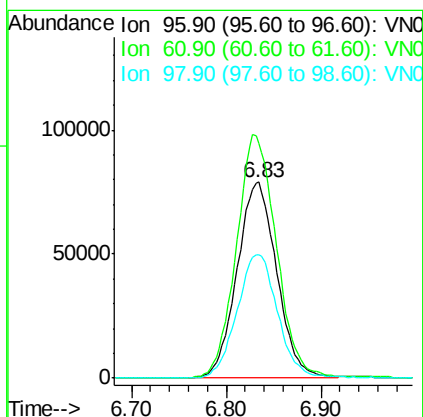
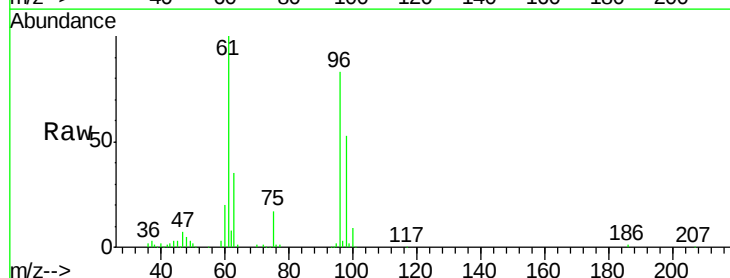
Instrument :
MSVOA_N
ClientSampled :

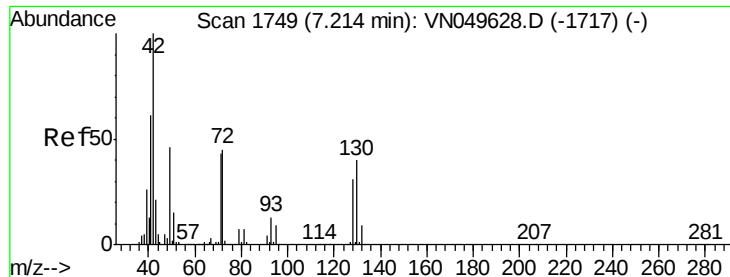
Tot Ion: 43 Resp: 9060
Ion Ratio Lower Upper
43 100
72 25.5 22.1 33.1



#27
cis-1,2-Dichloroethene
Concen: 13.32 ug/l
RT: 6.83 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VN049689.D
Acq: 3 Jul 2018 13:19

Tgt Ion: 96 Resp: 230502
Ion Ratio Lower Upper
96 100
61 125.1 0.0 289.0
98 64.3 0.0 130.2

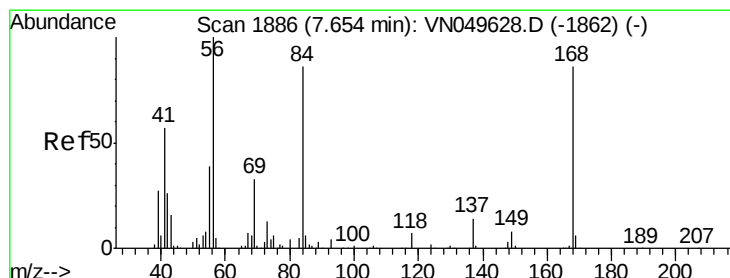
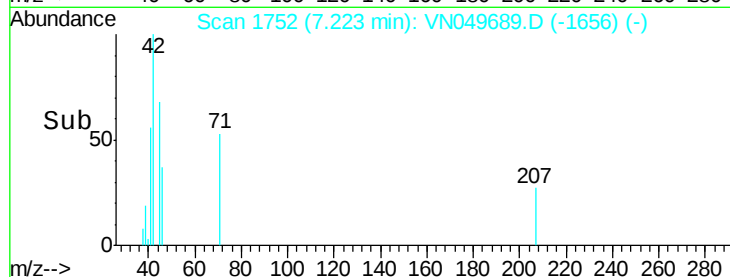
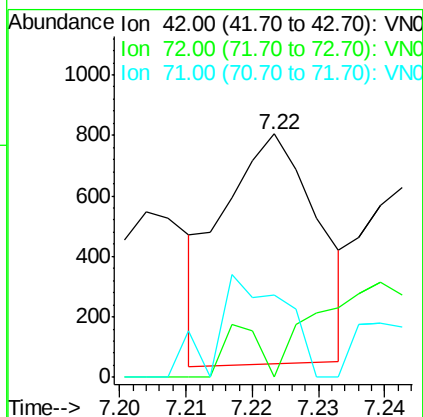
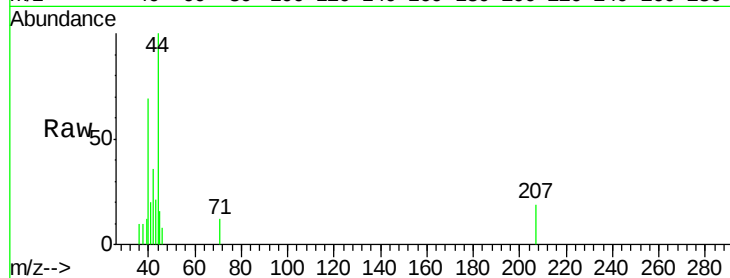




#29
Tetrahydrofuran
Concen: 0.21 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN049689.D
Acq: 3 Jul 2018 13:19

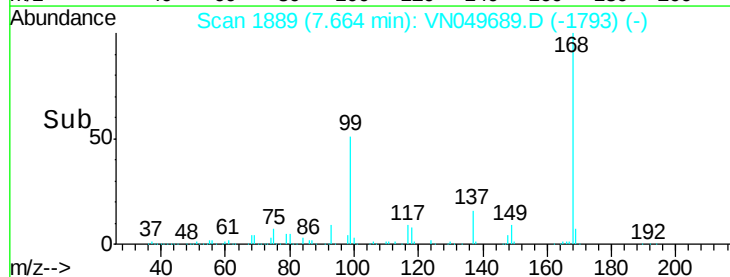
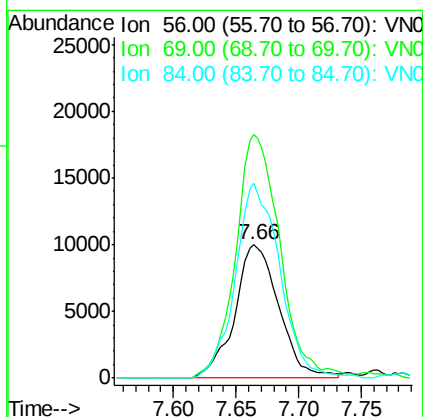
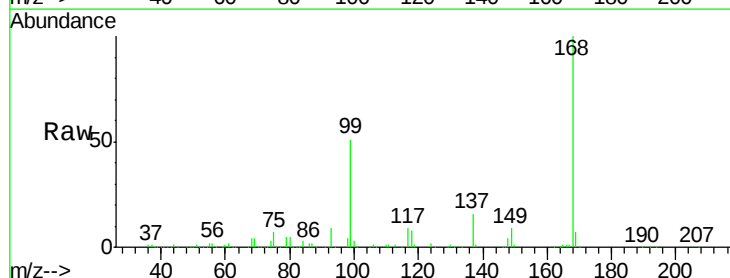
Instrument :
MSVOA_N
ClientSampled :

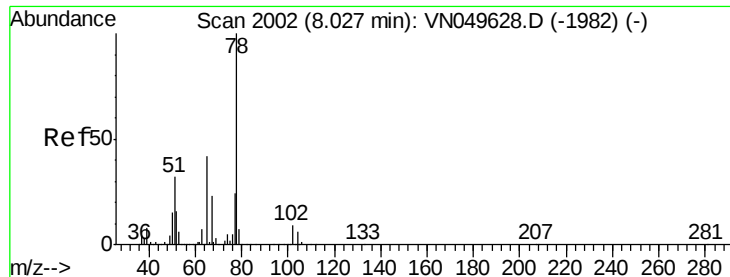
Tot Ion: 42 Resp: 758
Ion Ratio Lower Upper
42 100
72 8.3 35.6 53.4#
71 31.9 34.0 51.0#



#31
Cyclohexane
Concen: 0.23 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049689.D
Acq: 3 Jul 2018 13:19

Tgt Ion: 56 Resp: 24528
Ion Ratio Lower Upper
56 100
69 183.1 26.6 40.0#
84 146.8 69.0 103.6#

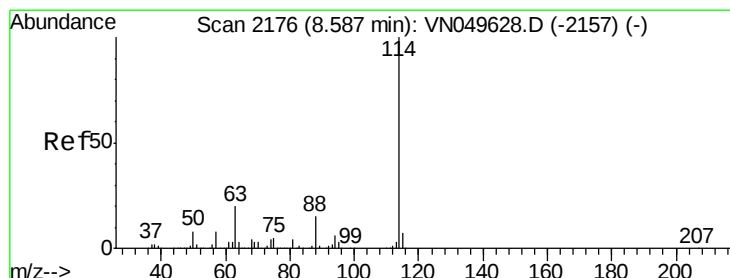
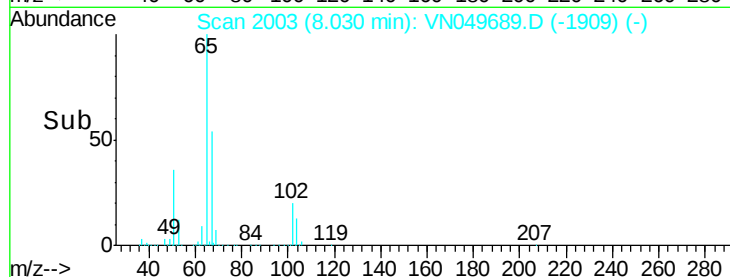
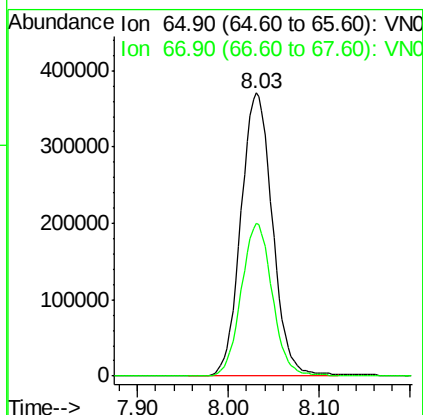
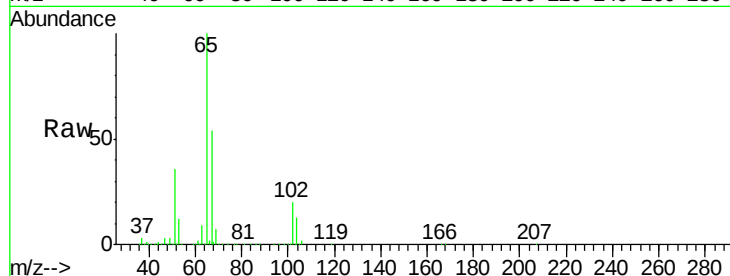




#33
 1,2-Dichloroethane-d4
 Concen: 52.85 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049689.D
 Acq: 3 Jul 2018 13:19

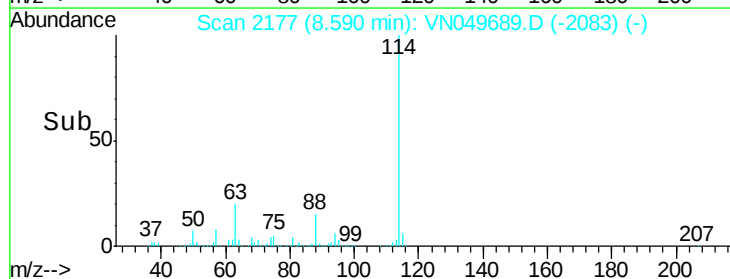
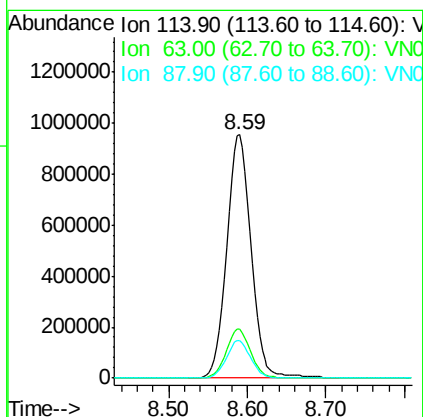
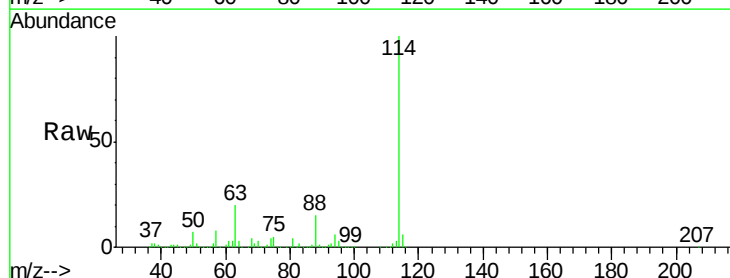
Instrument :
 MSVOA_N
 ClientSampleId :

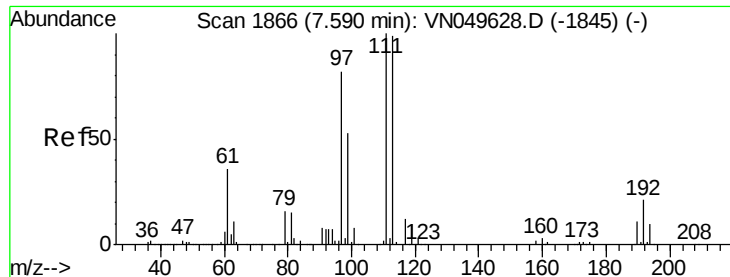
Tot Ion: 65 Resp: 894377
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049689.D
 Acq: 3 Jul 2018 13:19

Tgt Ion: 114 Resp: 2038081
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.2 0.0 30.6

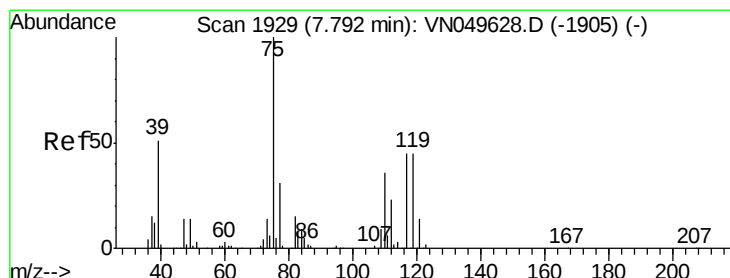
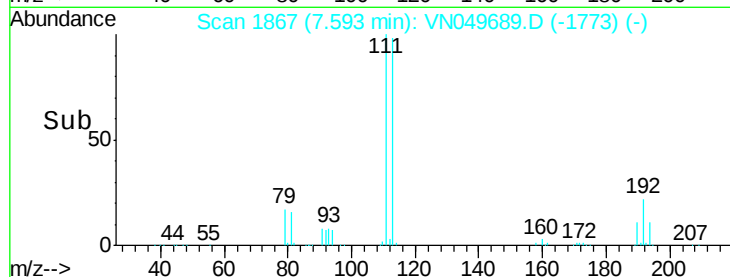
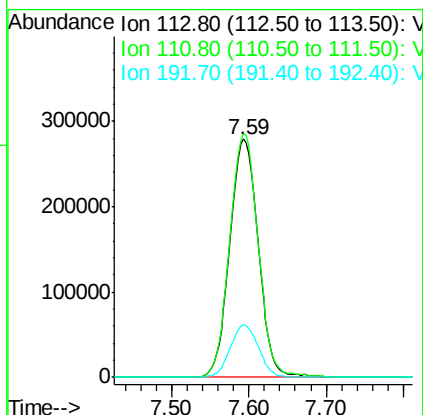
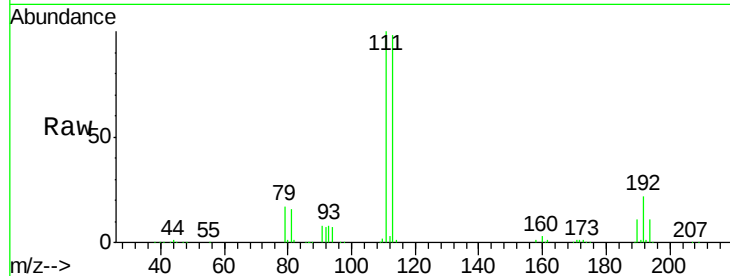




#35
 Dibromofluoromethane
 Concen: 46.74 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049689.D
 Acq: 3 Jul 2018 13:19

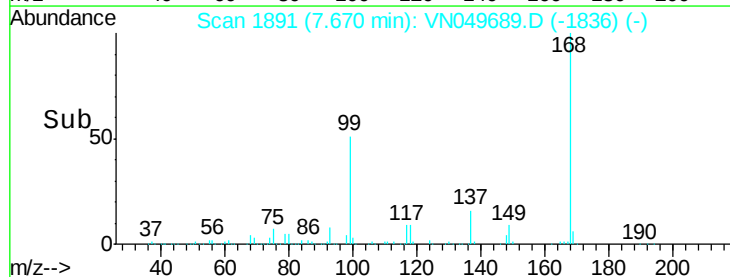
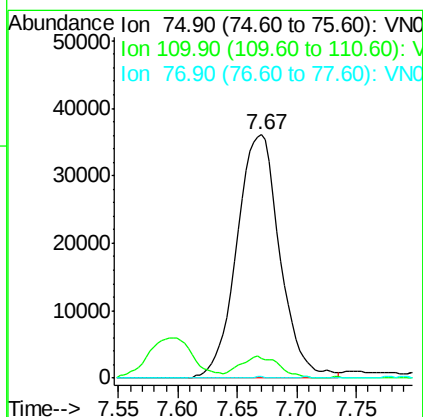
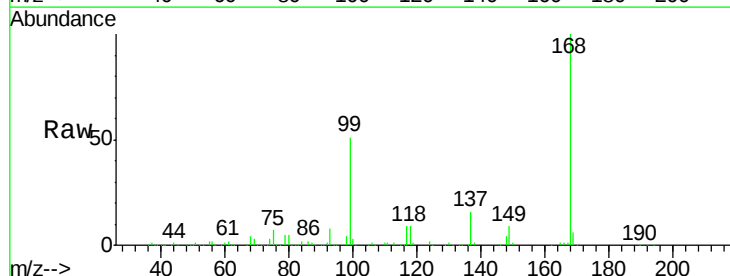
Instrument :
 MSVOA_N
 ClientSampleId :

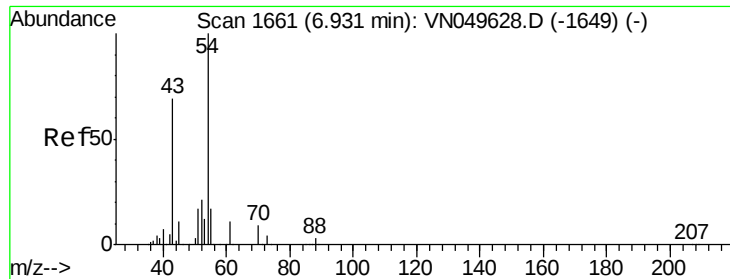
Tot Ion:113 Resp: 712178
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.8 122.8
 192 22.0 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.95 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN049689.D
 Acq: 3 Jul 2018 13:19

Tgt Ion: 75 Resp: 90507
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.1 54.4#
 77 0.1 24.9 37.3#

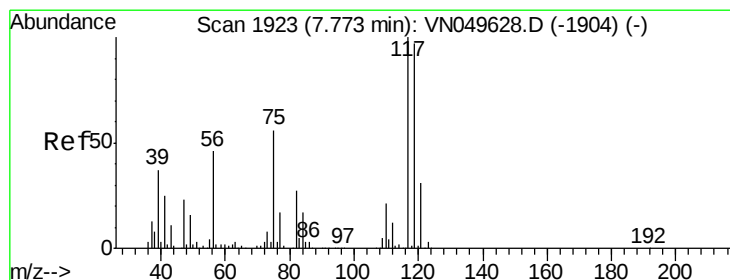
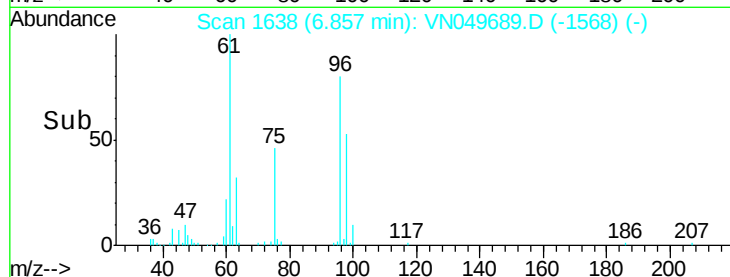
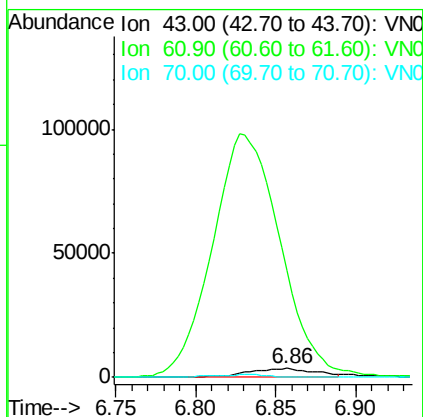
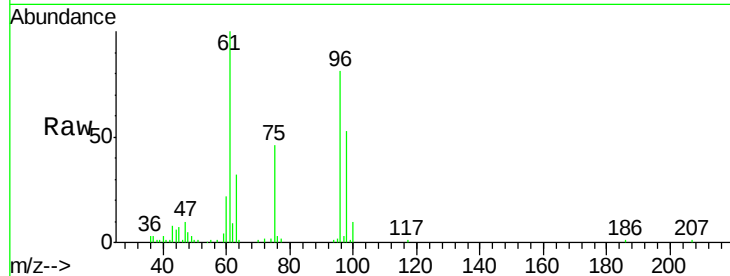




#37
Ethyl Acetate
Concen: 0.68 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. -0.07 min
Lab File: VN049689.D
Acq: 3 Jul 2018 13:19

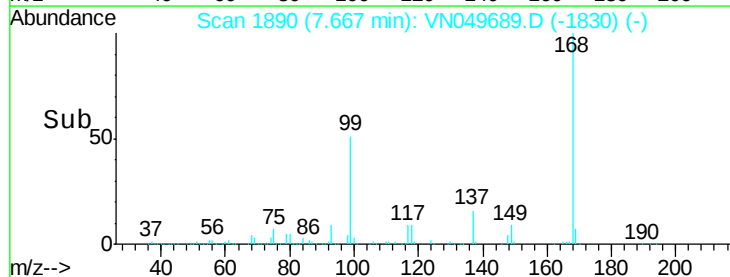
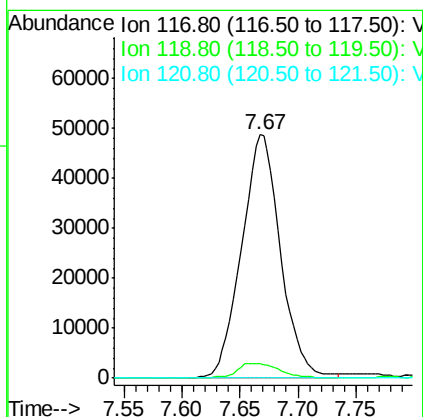
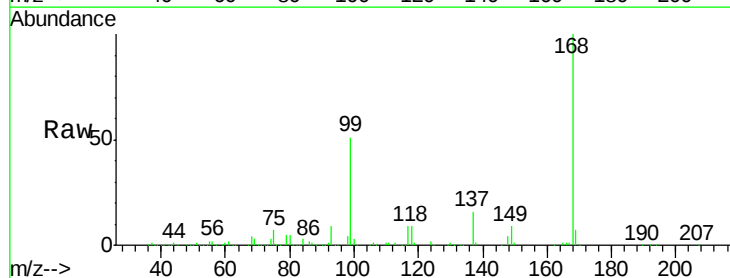
Instrument :
MSVOA_N
ClientSampleId :

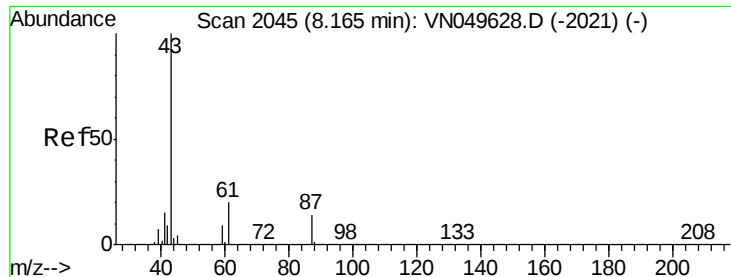
Tot Ion: 43 Resp: 9060
Ion Ratio Lower Upper
43 100
61 0.0 11.7 17.5#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 5.11 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049689.D
Acq: 3 Jul 2018 13:19

Tgt Ion: 117 Resp: 114063
Ion Ratio Lower Upper
117 100
119 5.7 77.2 115.8#
121 0.0 25.0 37.6#



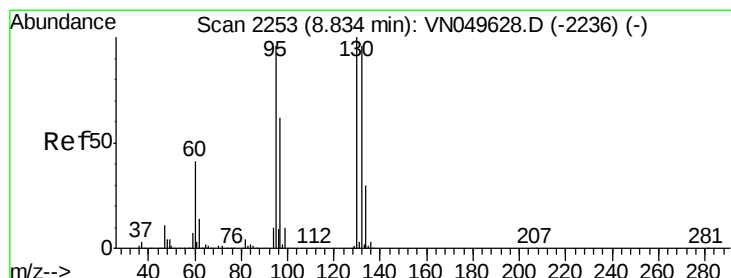
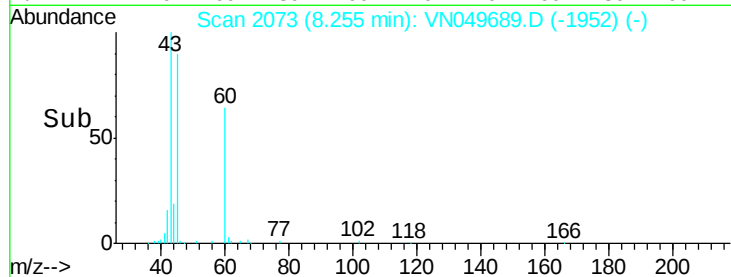
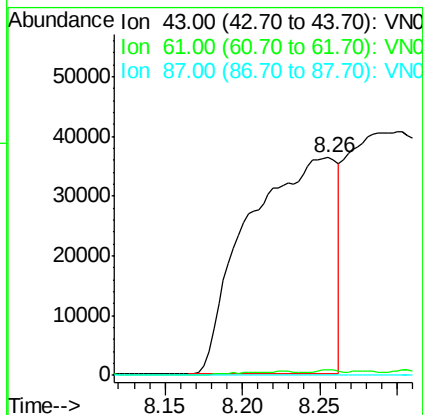
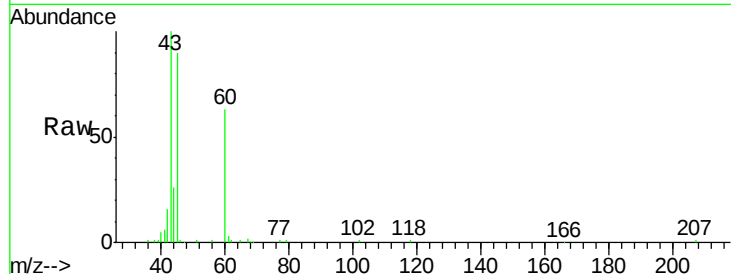


#43

Isopropyl Acetate
 Concen: 4.86 ug/l
 RT: 8.26 min Scan# 2073
 Delta R.T. 0.09 min
 Lab File: VN049689.D
 Acq: 3 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampled :

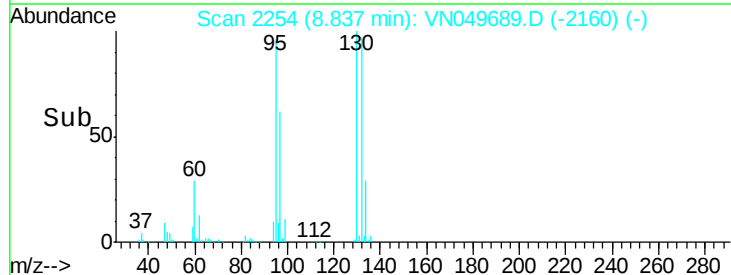
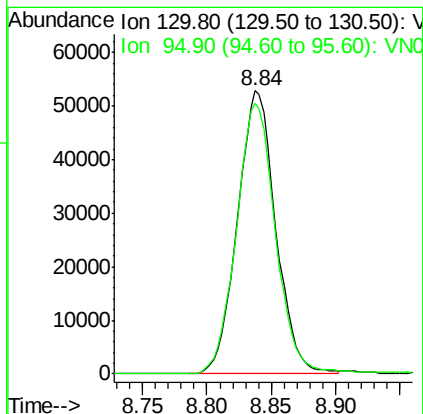
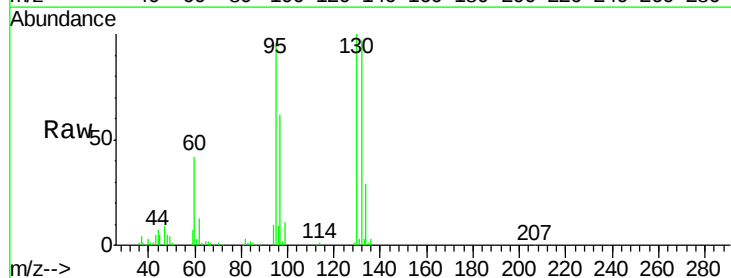
Tot Ion: 43 Resp: 142918
 Ion Ratio Lower Upper
 43 100
 61 0.5 14.9 22.3#
 87 0.0 10.0 15.0#

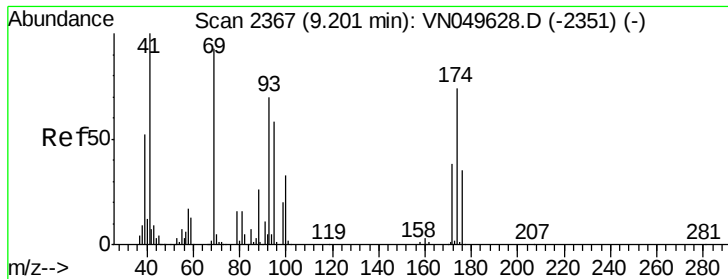


#44

Trichloroethene
 Concen: 5.17 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049689.D
 Acq: 3 Jul 2018 13:19

Tgt Ion: 130 Resp: 109201
 Ion Ratio Lower Upper
 130 100
 95 95.7 0.0 192.8





#49

1,4-Dioxane

Concen: 1.09 ug/l

RT: 9.20 min Scan# 2366

Delta R.T. -0.00 min

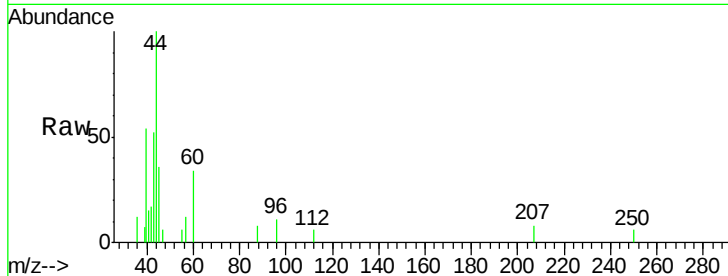
Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 174

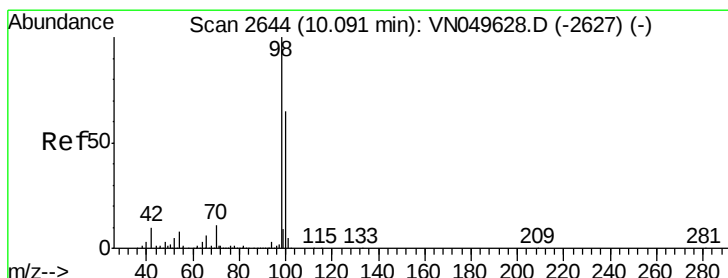
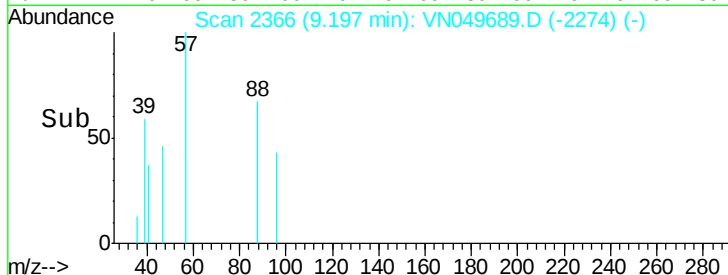
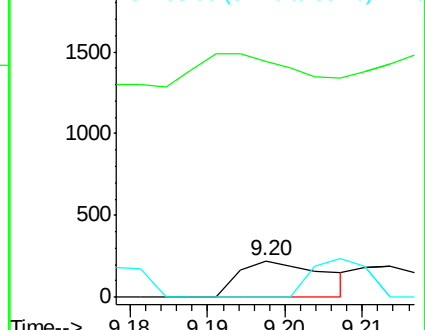
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.1	37.7#
58	67.8	52.5	78.7



Abundance Ion 88.00 (87.70 to 88.70): VN049689.D (-2274) (-)

Ion 43.00 (42.70 to 43.70): VN049689.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN049689.D (-2274) (-)



#50

Toluene-d8

Concen: 46.62 ug/l

RT: 10.09 min Scan# 2645

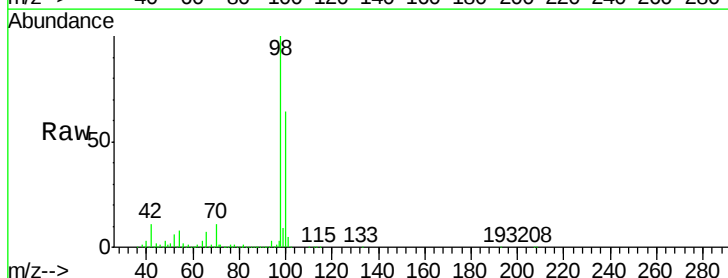
Delta R.T. 0.00 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

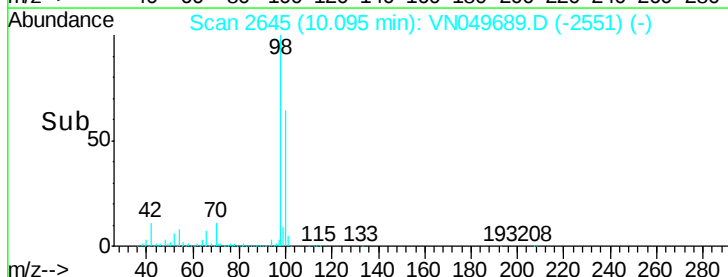
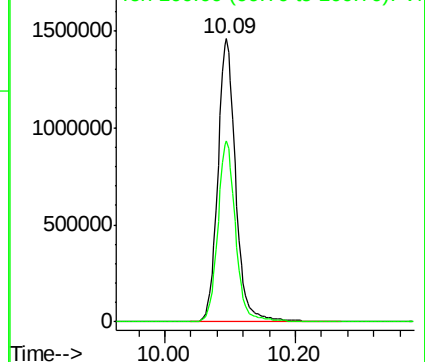
Tgt Ion: 98 Resp: 2780470

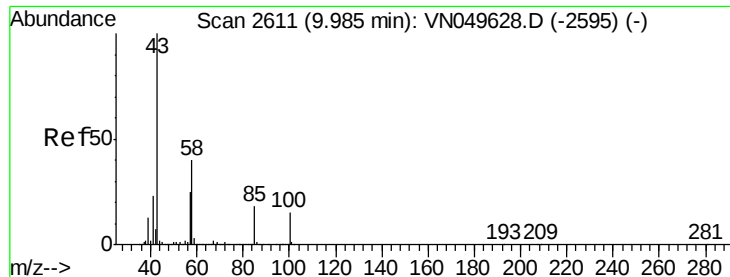
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049689.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN049689.D (-2551) (-)

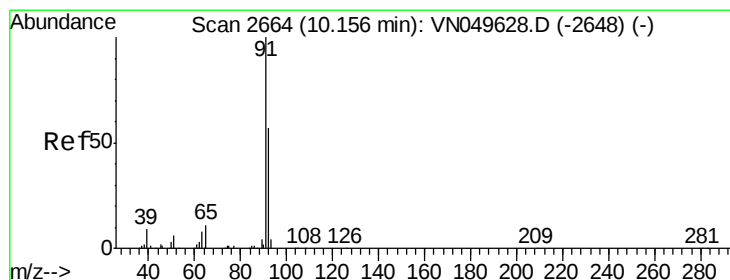
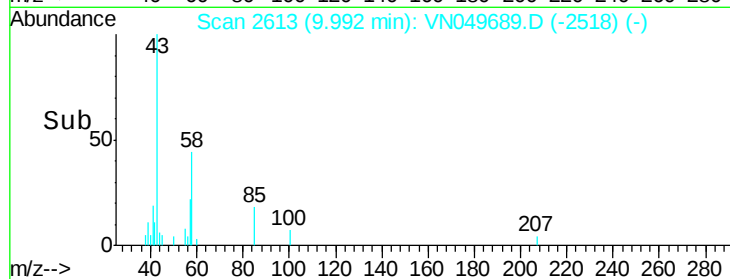
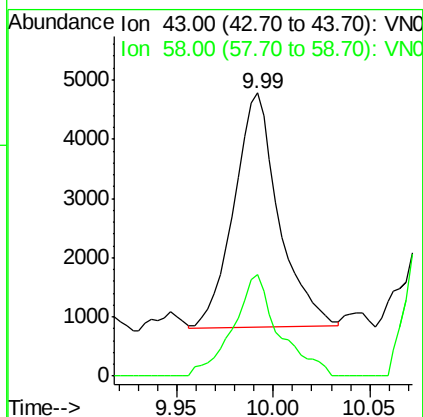
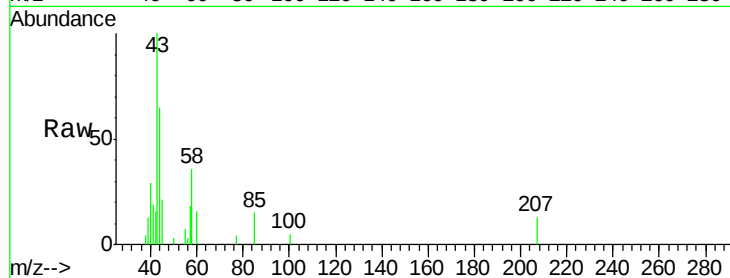




#51
4-Methyl-2-Pentanone
Concen: 0.49 ug/l
RT: 9.99 min Scan# 2613
Delta R.T. 0.01 min
Lab File: VN049689.D
Acq: 3 Jul 2018 13:19

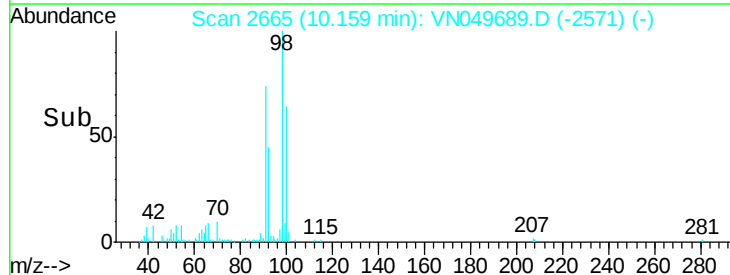
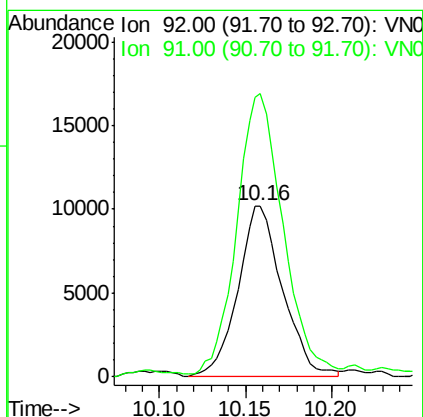
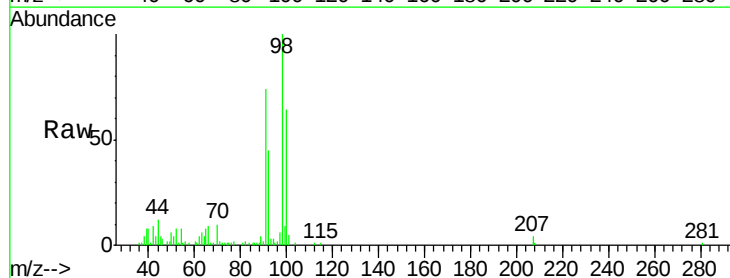
Instrument :
MSVOA_N
ClientSampled :

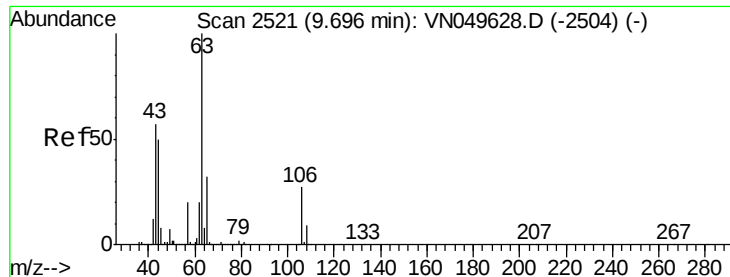
Tot Ion: 43 Resp: 6390
Ion Ratio Lower Upper
43 100
58 44.4 31.8 47.8



#52
Toluene
Concen: 0.43 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049689.D
Acq: 3 Jul 2018 13:19

Tgt Ion: 92 Resp: 18399
Ion Ratio Lower Upper
92 100
91 169.0 140.1 210.1





#58

2-Chloroethyl Vinyl ether

Concen: 10.83 ug/l

RT: 9.93 min Scan# 2593

Delta R.T. 0.23 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Instrument :

MSVOA_N

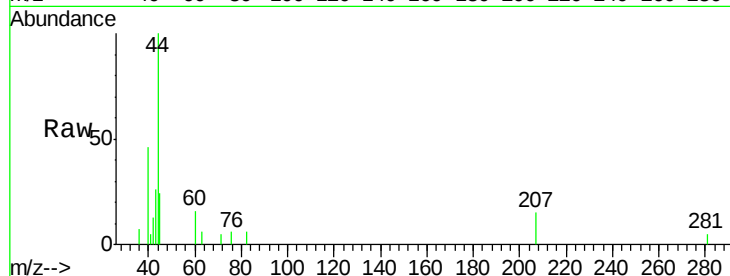
ClientSampled :

Tot Ion: 63 Resp: 95

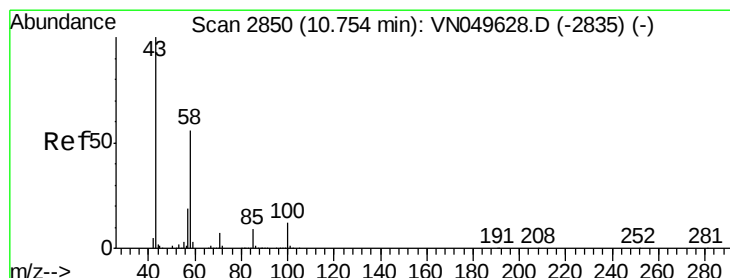
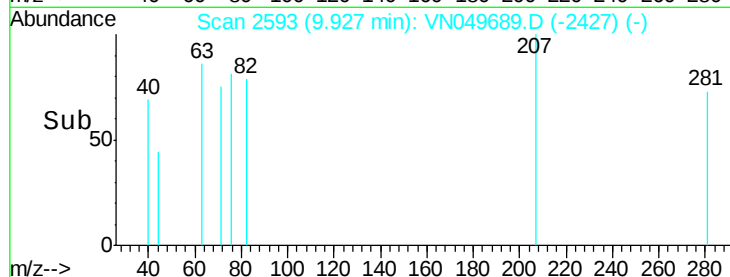
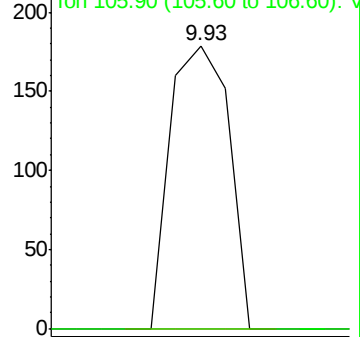
Ion Ratio Lower Upper

63 100

106 0.0 21.8 32.8#



Abundance Ion 62.90 (62.60 to 63.60): VN049628.D (-2504) (-)



#59

2-Hexanone

Concen: 0.53 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN049689.D

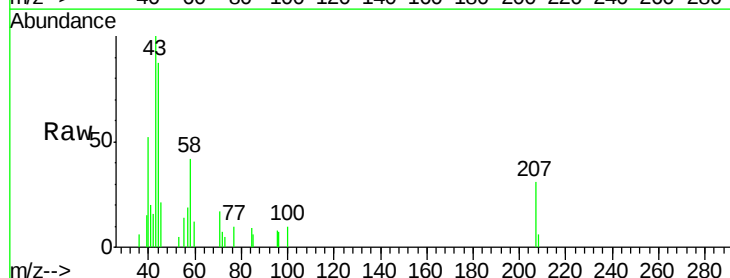
Acq: 3 Jul 2018 13:19

Tgt Ion: 43 Resp: 4580

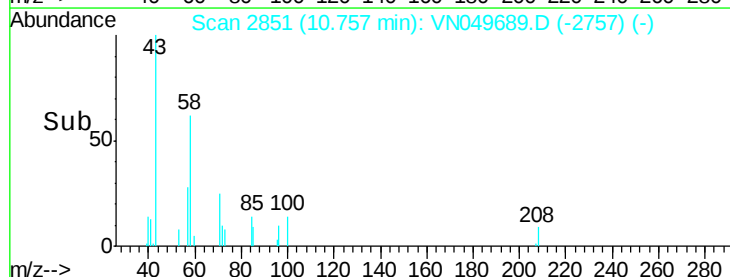
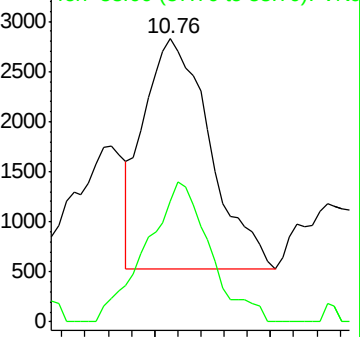
Ion Ratio Lower Upper

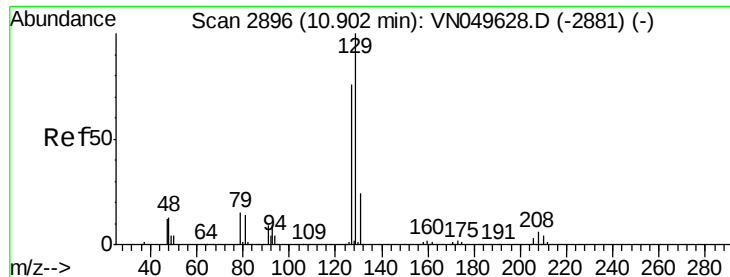
43 100

58 58.1 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-2835) (-)





#60

Dibromochloromethane

Concen: 1.36 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. -0.27 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Instrument :

MSVOA_N

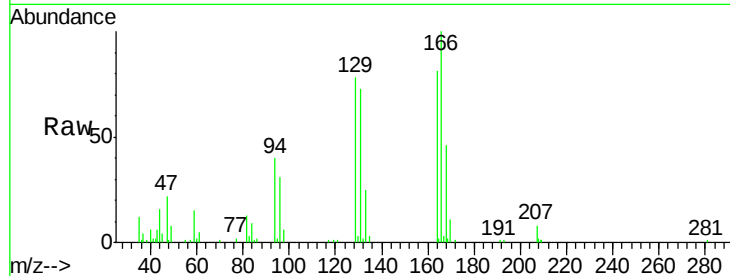
ClientSampleId :

Tot Ion:129 Resp: 23156

Ion Ratio Lower Upper

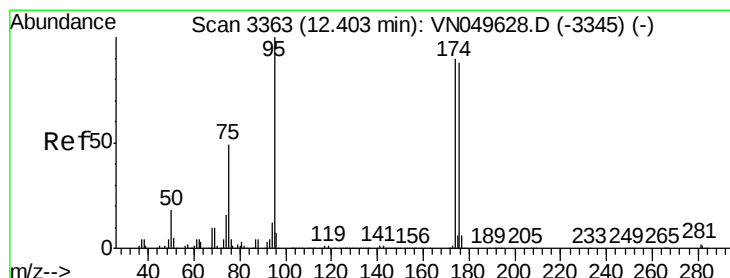
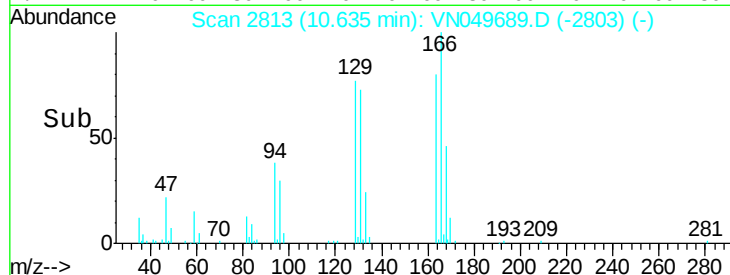
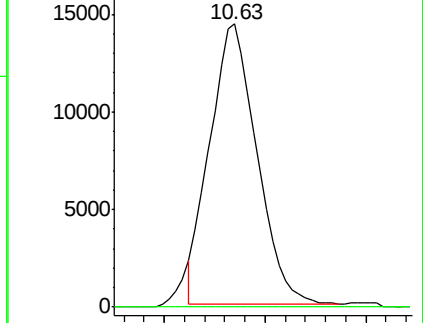
129 100

127 0.0 38.3 114.9#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 45.86 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

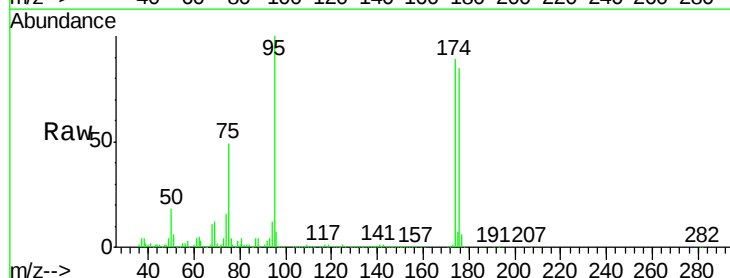
Tgt Ion: 95 Resp: 933896

Ion Ratio Lower Upper

95 100

174 91.2 0.0 179.6

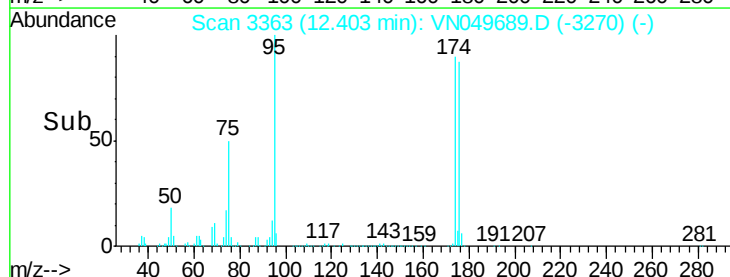
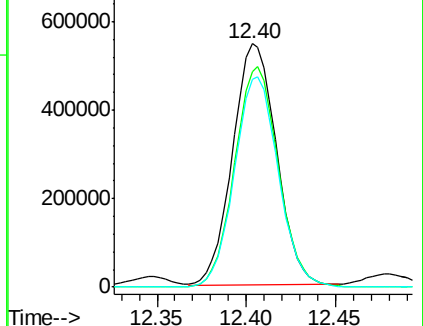
176 87.2 0.0 174.0

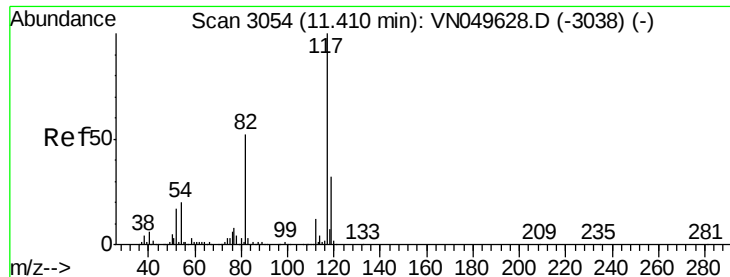


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

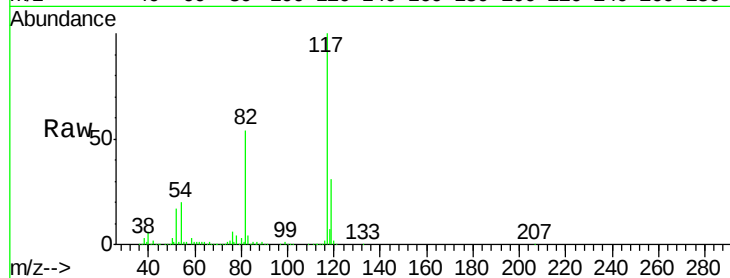
Tot Ion:117 Resp: 1727483

Ion Ratio Lower Upper

117 100

82 53.6 41.9 62.9

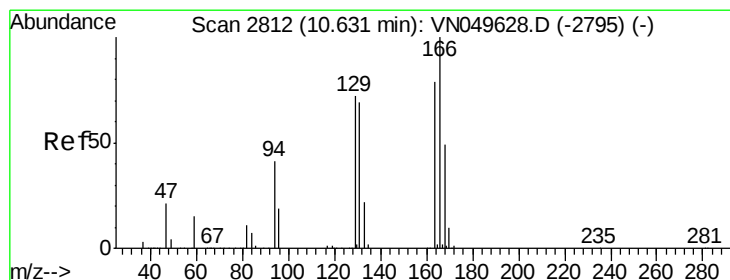
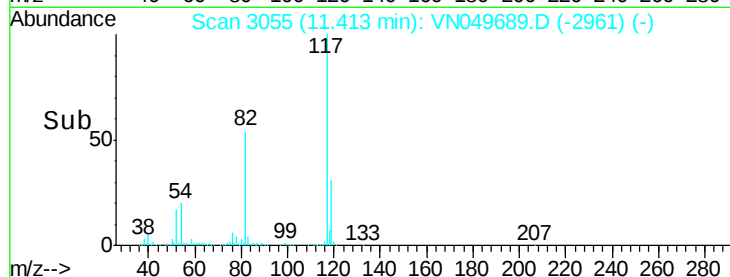
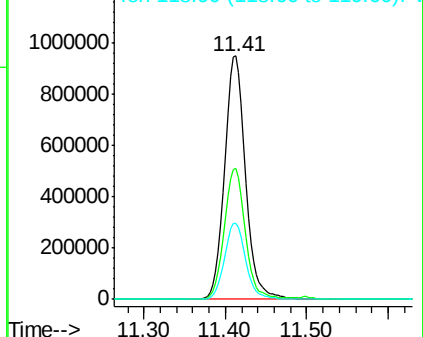
119 31.4 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 1.13 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Tgt Ion:164 Resp: 26444

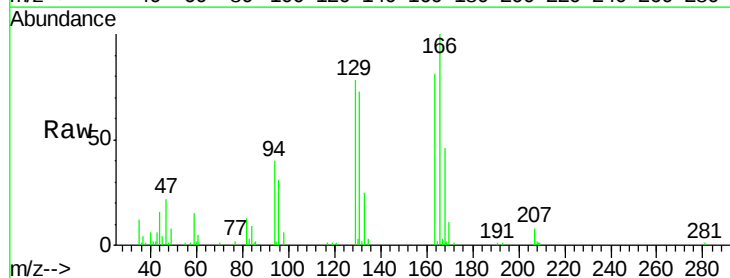
Ion Ratio Lower Upper

164 100

166 124.0 101.8 152.6

129 96.7 72.8 109.2

131 90.7 70.0 105.0

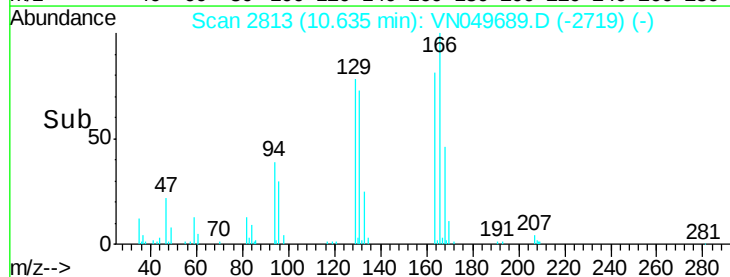
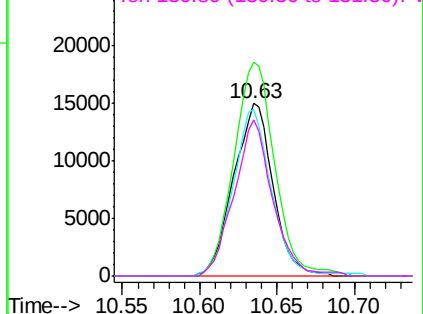


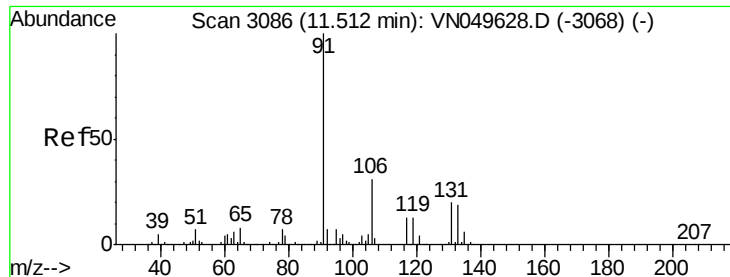
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 2.70 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Instrument :

MSVOA_N

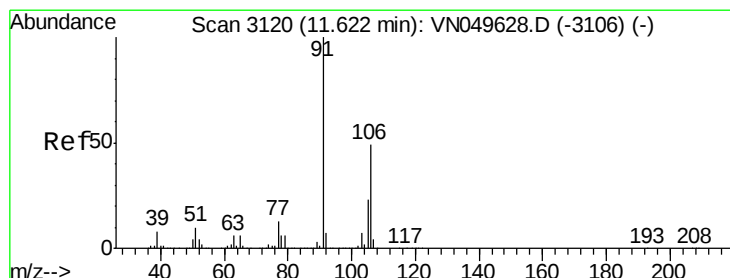
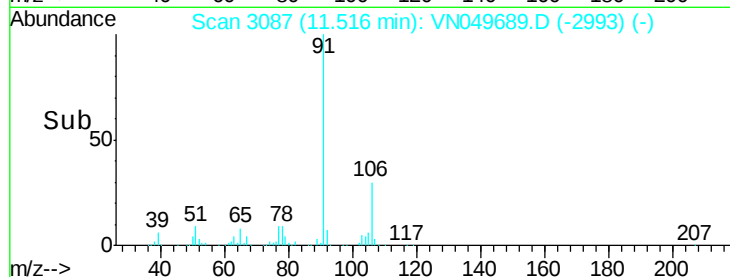
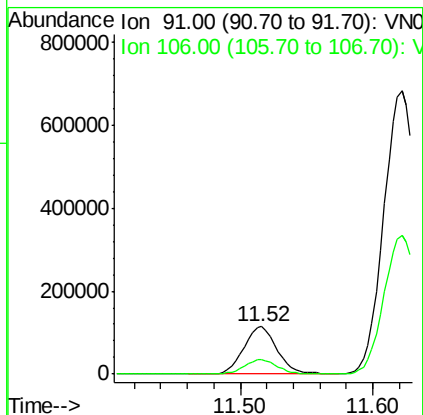
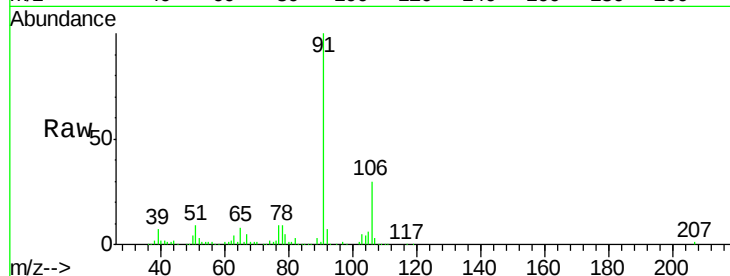
ClientSampled :

Tot Ion: 91 Resp: 201444

Ion Ratio Lower Upper

91 100

106 30.3 24.8 37.2



#68

m/p-Xylenes

Concen: 22.25 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049689.D

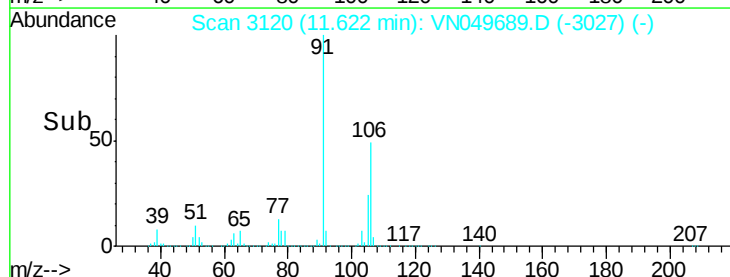
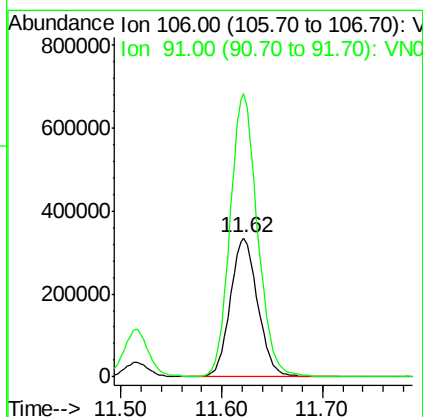
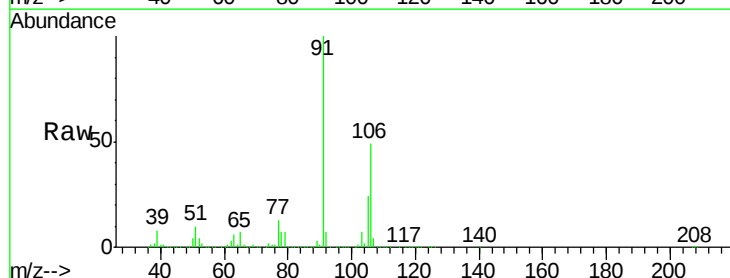
Acq: 3 Jul 2018 13:19

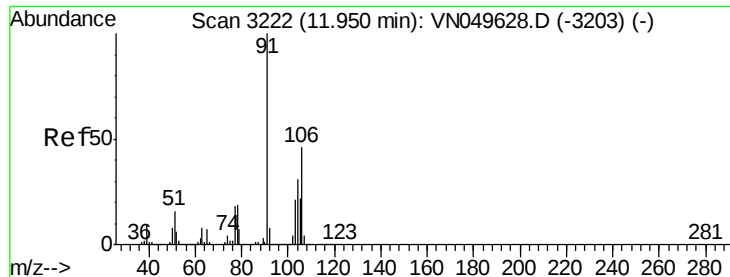
Tgt Ion: 106 Resp: 635112

Ion Ratio Lower Upper

106 100

91 202.4 163.4 245.2

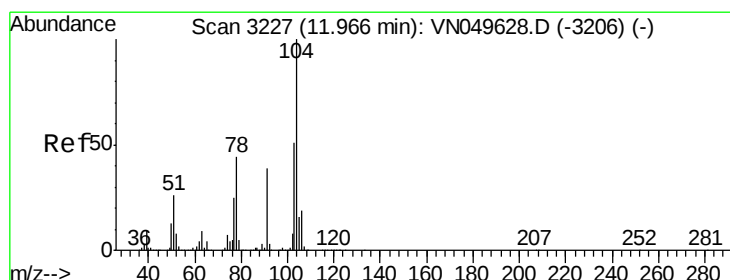
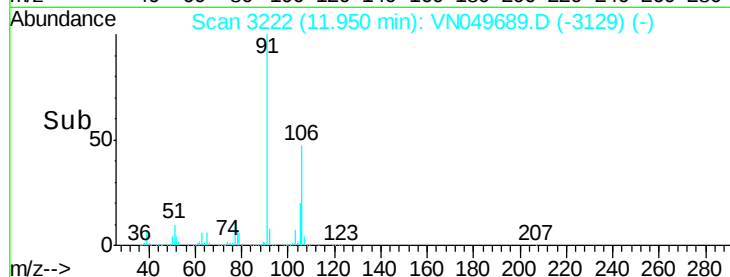
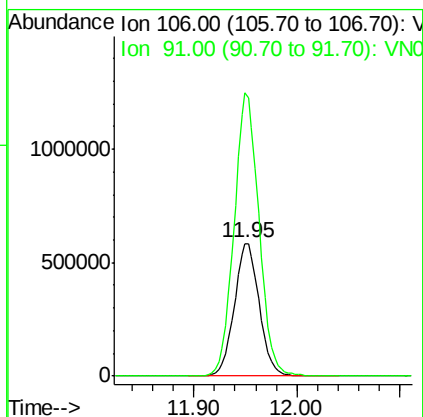
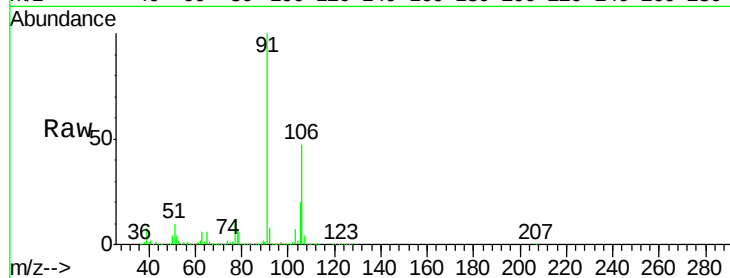




#69
o-Xylene
Concen: 35.91 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049689.D
Acq: 3 Jul 2018 13:19

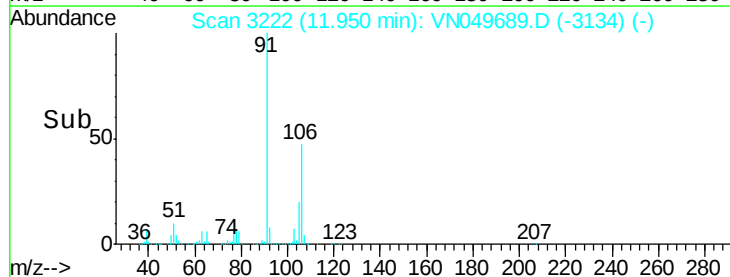
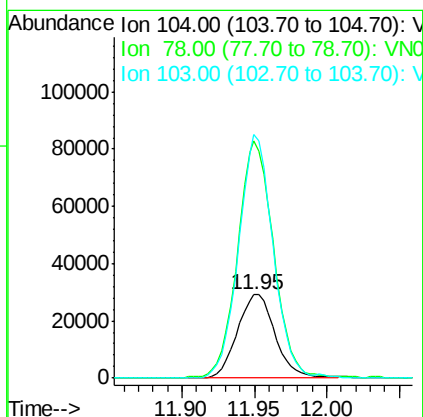
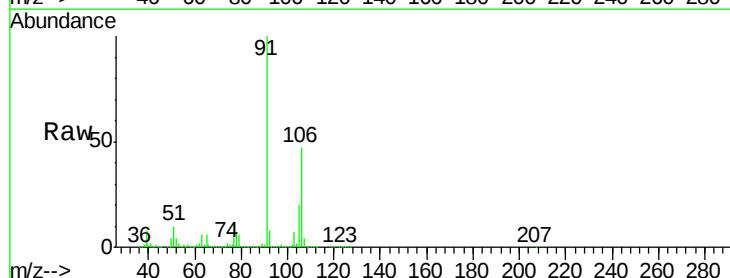
Instrument :
MSVOA_N
ClientSampleId :

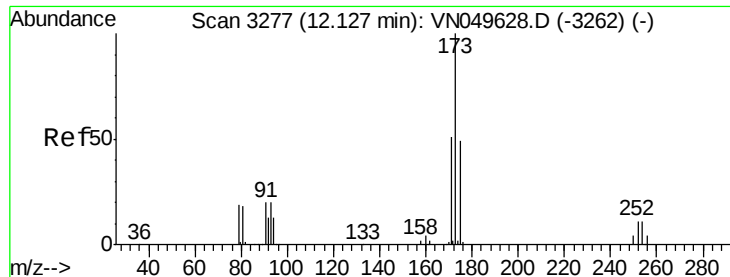
Tot Ion:106 Resp: 981603
Ion Ratio Lower Upper
106 100
91 214.0 108.7 326.1



#70
Styrene
Concen: 1.20 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.02 min
Lab File: VN049689.D
Acq: 3 Jul 2018 13:19

Tgt Ion:104 Resp: 53079
Ion Ratio Lower Upper
104 100
78 266.6 39.2 58.8#
103 266.7 44.6 67.0#





#71

Bromoform

Concen: 0.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

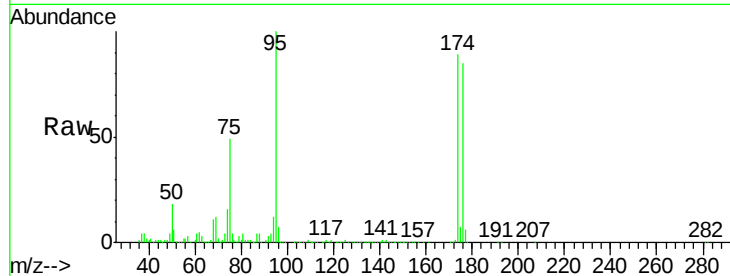
Tot Ion:173 Resp: 3962

Ion Ratio Lower Upper

173 100

175 1234.8 24.6 73.8#

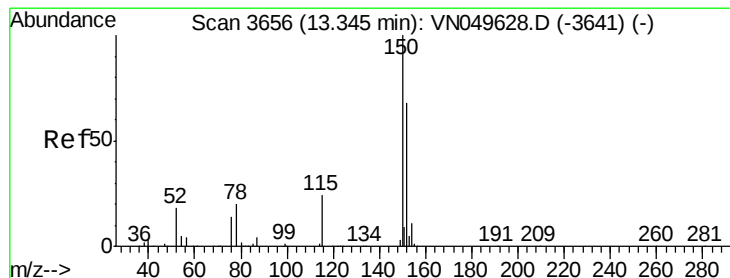
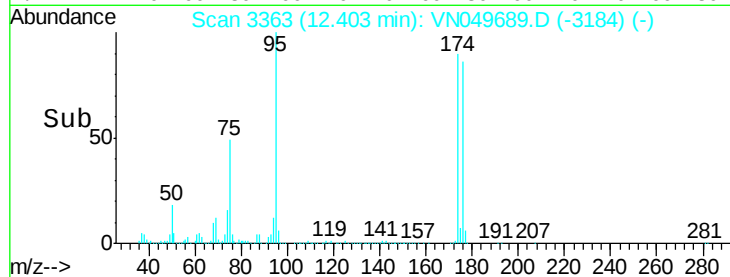
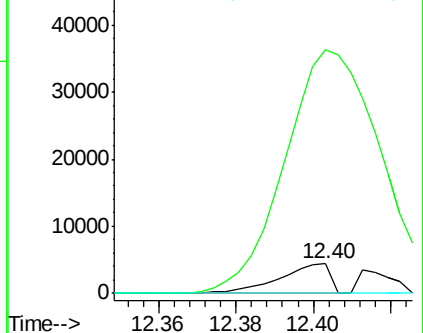
254 0.0 0.2 0.2#



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: VN049689.D

Acq: 3 Jul 2018 13:19

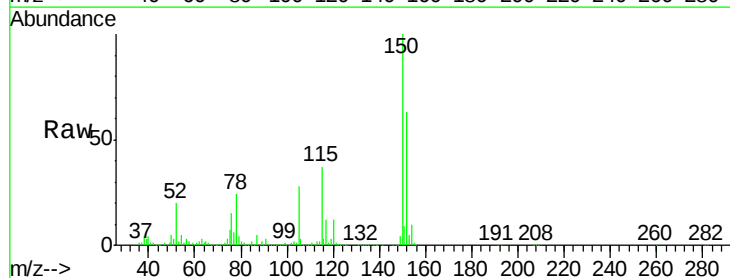
Tgt Ion:152 Resp: 905733

Ion Ratio Lower Upper

152 100

115 49.3 28.1 84.2

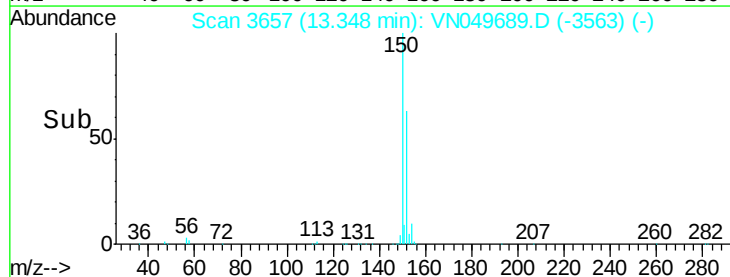
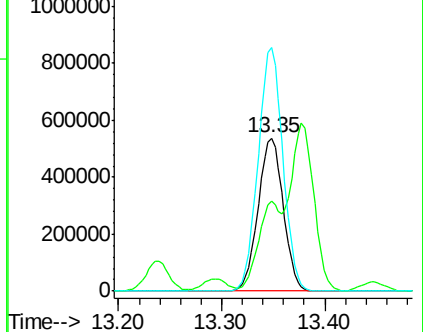
150 156.6 0.0 347.6

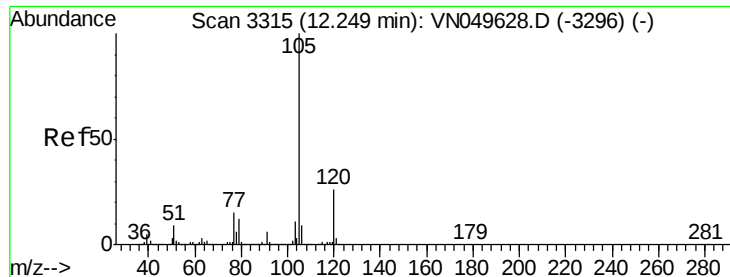


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 14.54 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Instrument :

MSVOA_N

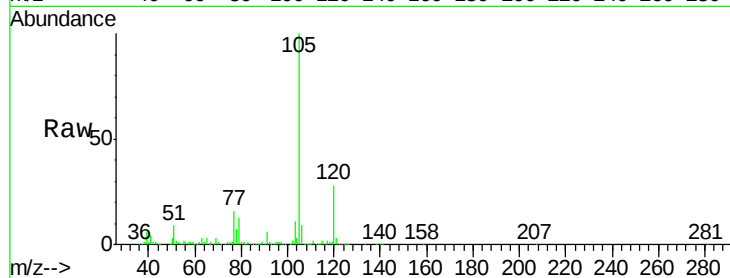
ClientSampleId :

Tot Ion:105 Resp: 1048721

Ion Ratio Lower Upper

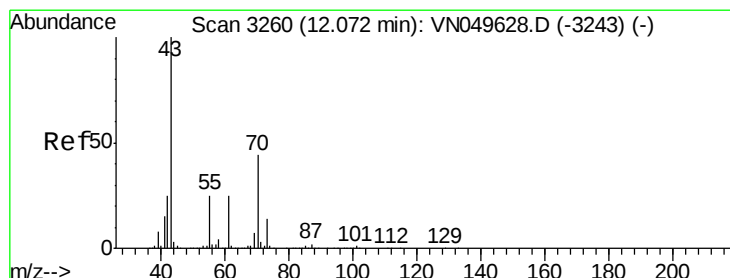
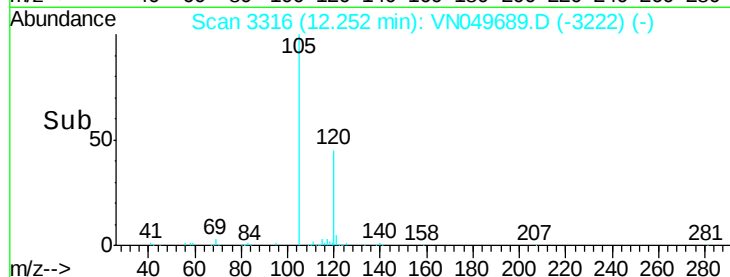
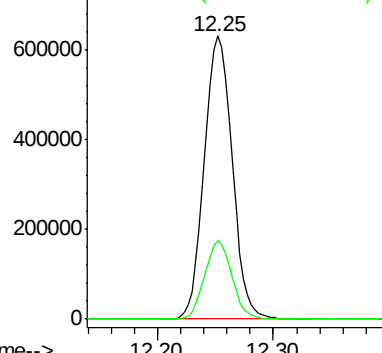
105 100

120 27.0 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: 0.85 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Tgt Ion: 43 Resp: 16826

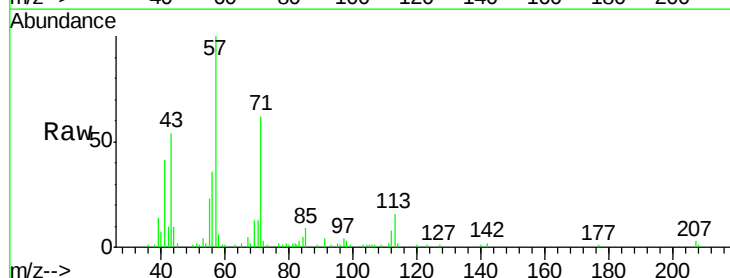
Ion Ratio Lower Upper

43 100

70 14.8 34.8 52.2#

55 0.0 20.9 31.3#

61 0.0 19.9 29.9#

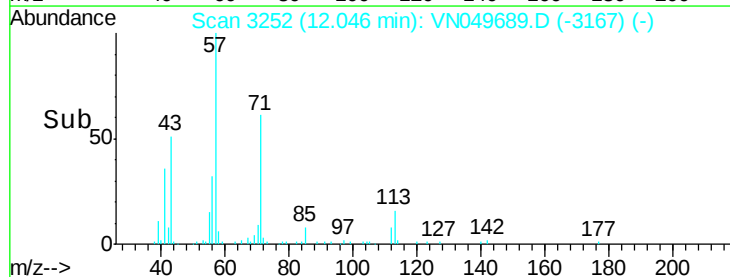
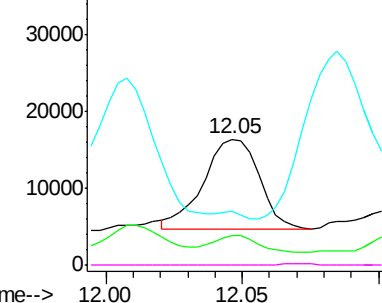


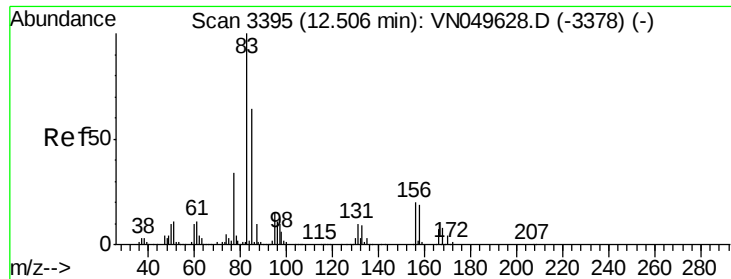
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.47 min Scan# 3385

Delta R.T. -0.03 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

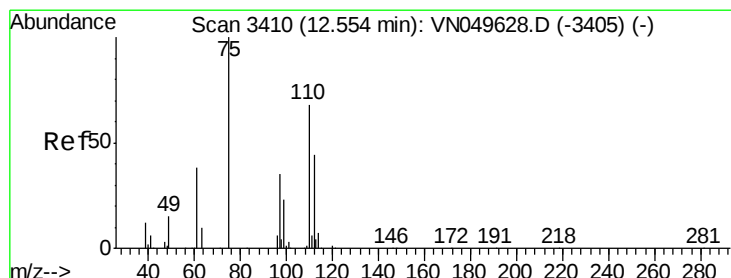
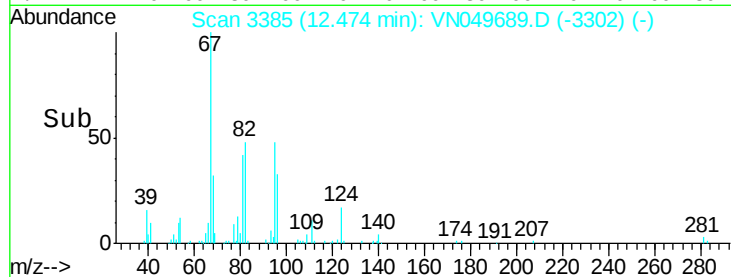
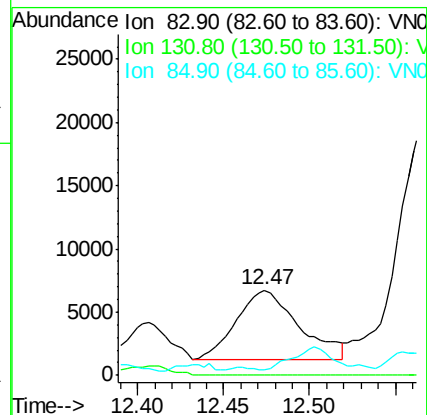
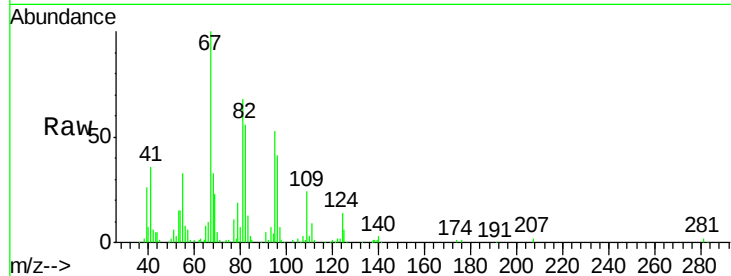
Tot Ion: 83 Resp: 13679

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: 1.20 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.04 min

Lab File: VN049689.D

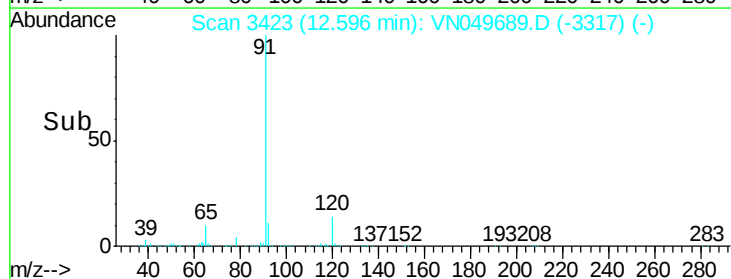
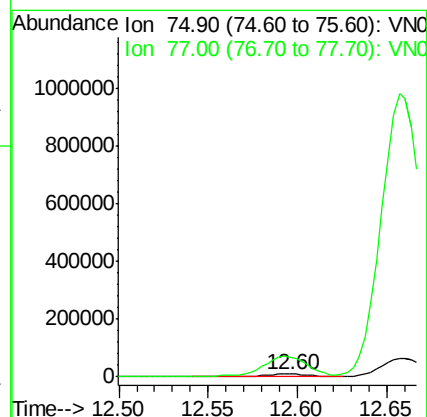
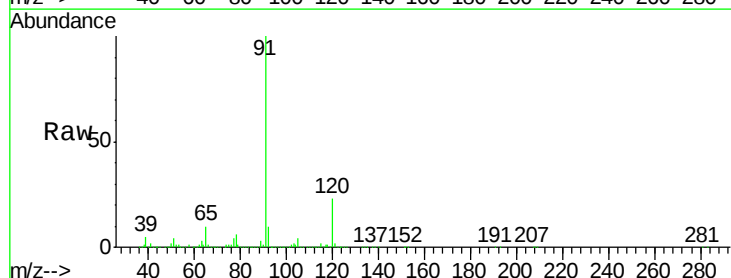
Acq: 3 Jul 2018 13:19

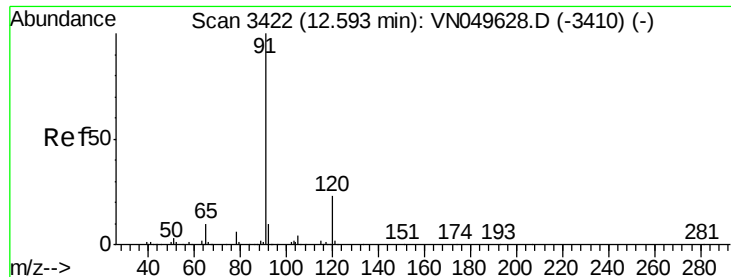
Tgt Ion: 75 Resp: 17420

Ion Ratio Lower Upper

75 100

77 669.8 0.0 0.0#





#78

n-propylbenzene

Concen: 35.77 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Instrument :

MSVOA_N

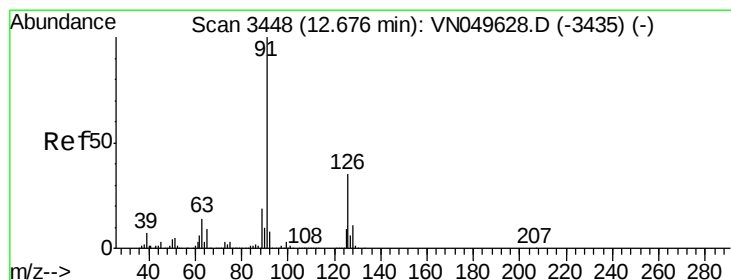
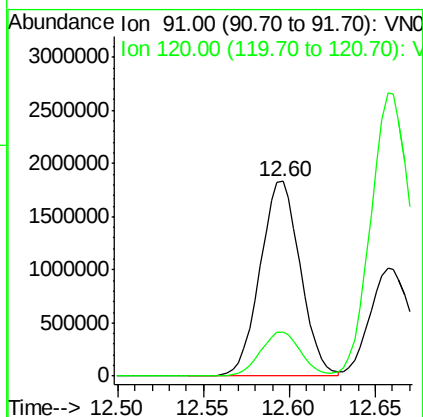
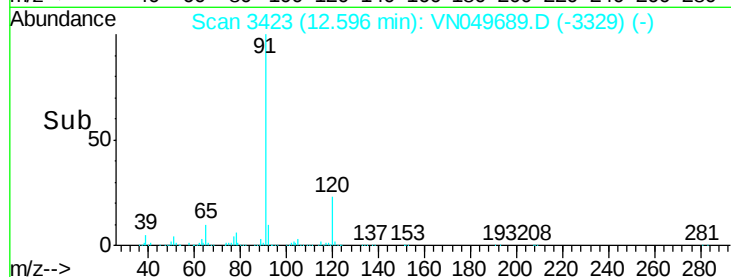
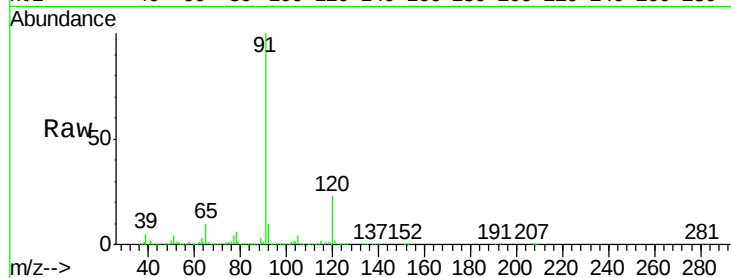
ClientSampleId :

Tot Ion: 91 Resp: 2957518

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4



#79

2-Chlorotoluene

Concen: 30.37 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN049689.D

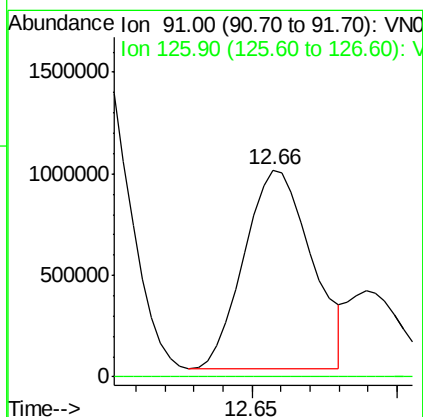
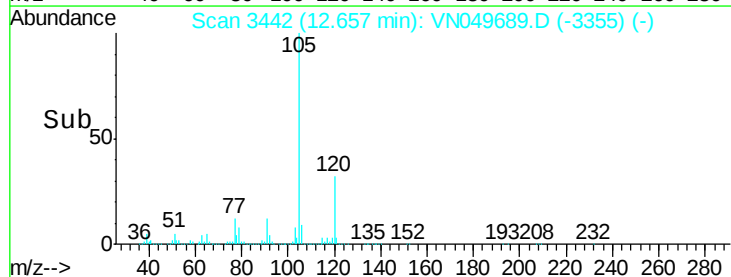
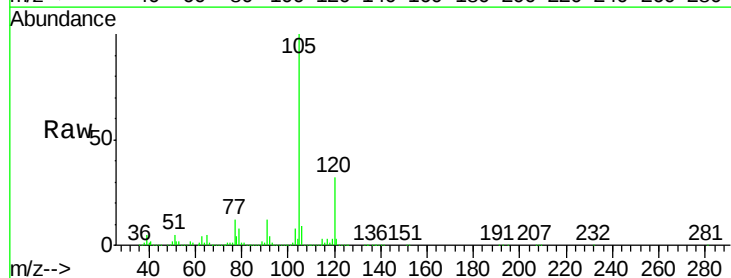
Acq: 3 Jul 2018 13:19

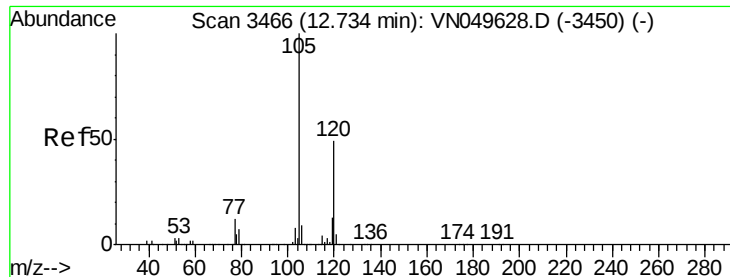
Tgt Ion: 91 Resp: 1589343

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.5#

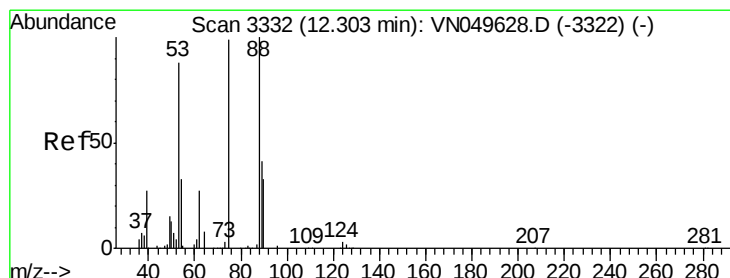
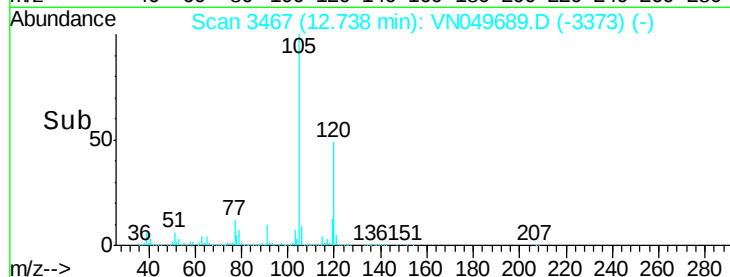
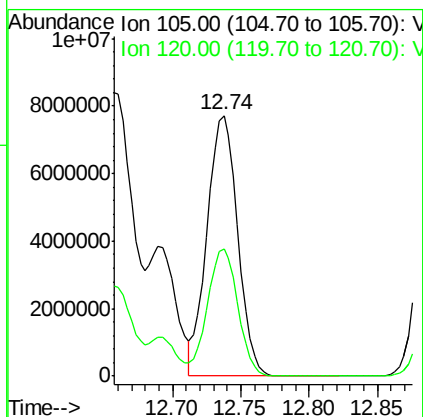
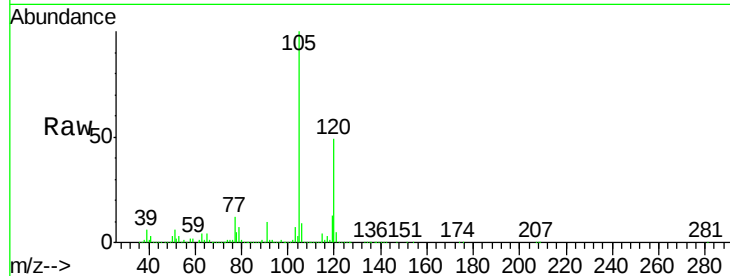




#80
 1,3,5-Trimethylbenzene
 Concen: 200.47 ug/l
 RT: 12.74 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VN049689.D
 Acq: 3 Jul 2018 13:19

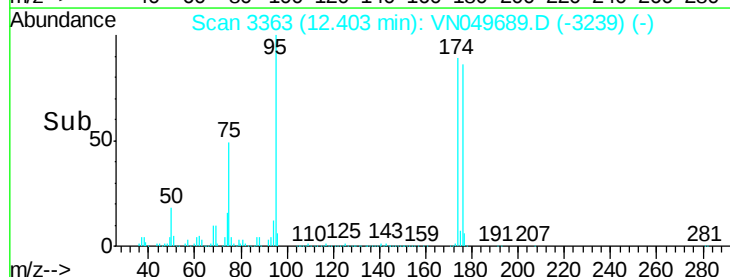
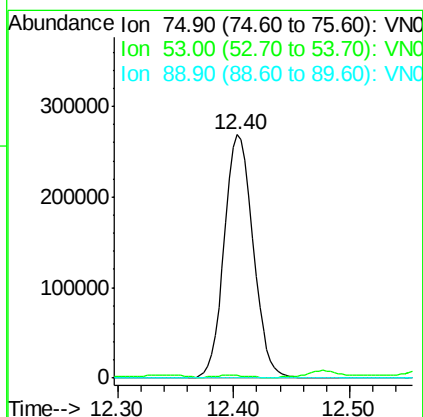
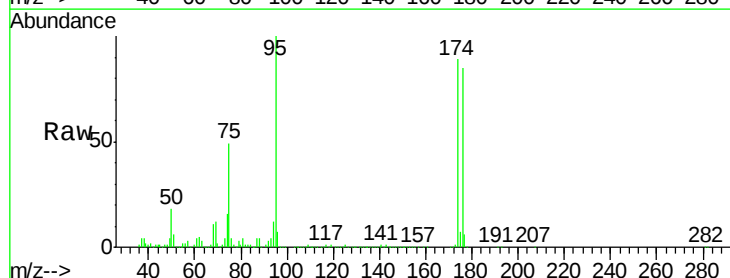
Instrument :
 MSVOA_N
 ClientSampled :

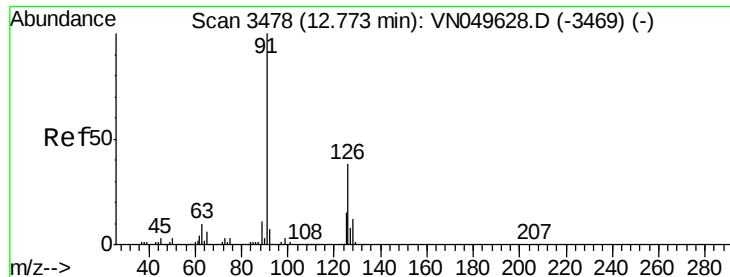
Tot Ion:105 Resp:12018343
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.09 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN049689.D
 Acq: 3 Jul 2018 13:19

Tgt Ion: 75 Resp: 462305
 Ion Ratio Lower Upper
 75 100
 53 0.8 73.9 110.9#
 89 0.0 35.9 53.9#





#82

4-Chlorotoluene

Concen: 23.13 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. -0.04 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Instrument :

MSVOA_N

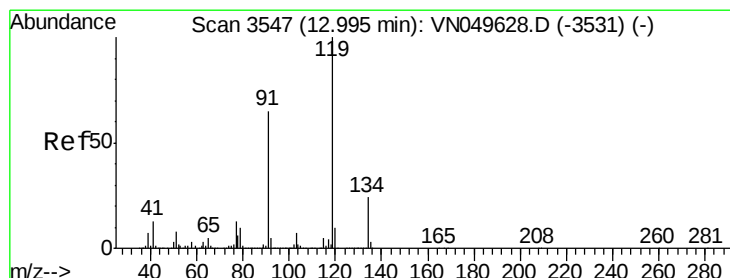
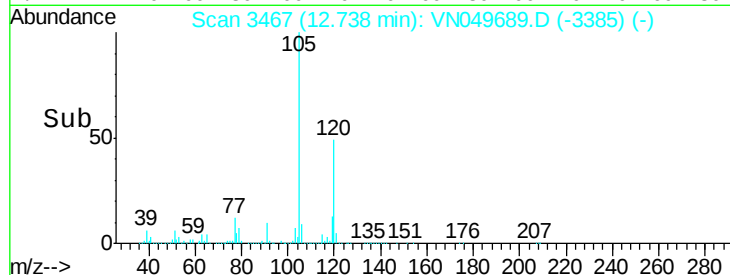
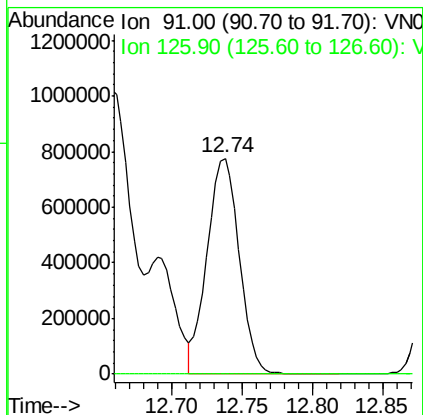
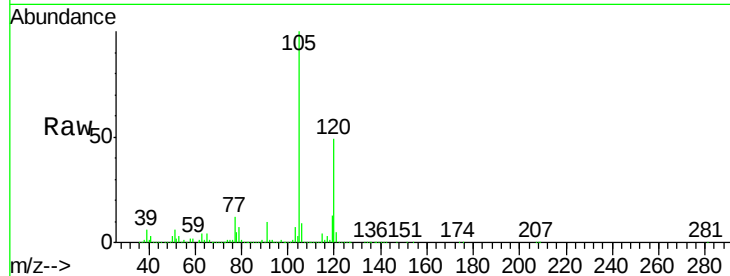
ClientSampled :

Tot Ion: 91 Resp: 1216941

Ion Ratio Lower Upper

91 100

126 0.2 17.2 51.6#



#83

tert-Butylbenzene

Concen: 3.82 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

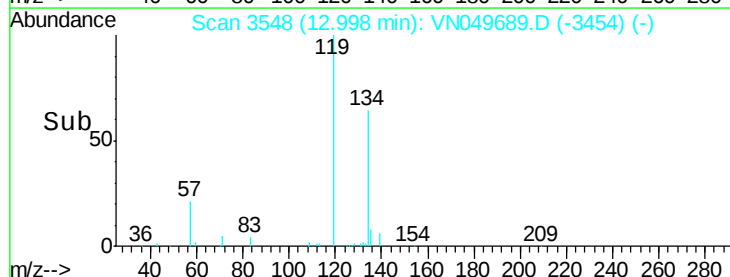
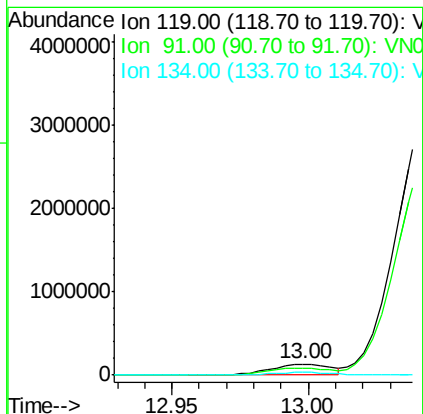
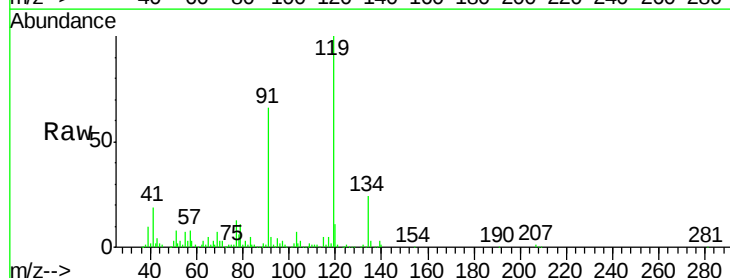
Tgt Ion: 119 Resp: 196775

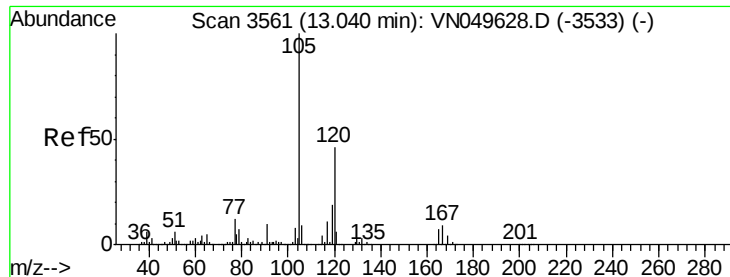
Ion Ratio Lower Upper

119 100

91 65.2 32.0 96.2

134 26.3 12.8 38.4





#84

1,2,4-Trimethylbenzene

Concen: 14.90 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.14 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Instrument :

MSVOA_N

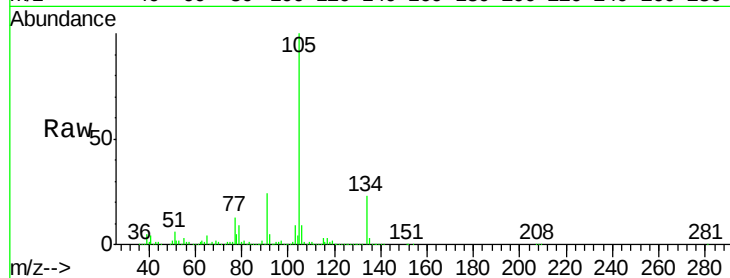
ClientSampled :

Tot Ion:105 Resp: 917982

Ion Ratio Lower Upper

105 100

120 0.0 22.7 68.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.17

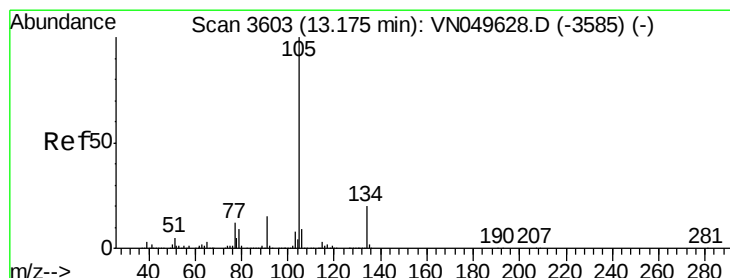
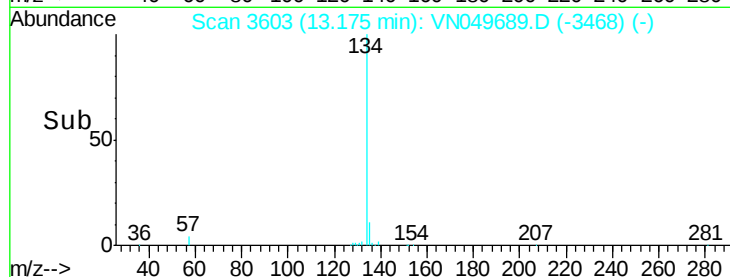
600000

400000

200000

0

Time-->



#85

sec-Butylbenzene

Concen: 13.45 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049689.D

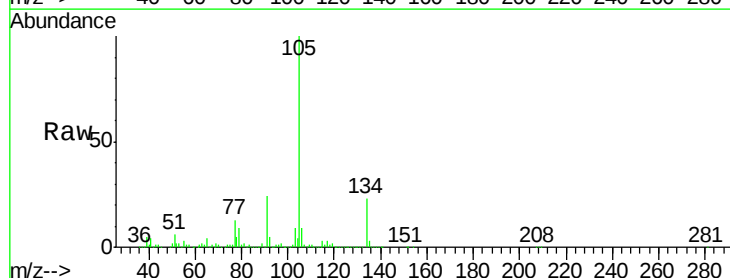
Acq: 3 Jul 2018 13:19

Tgt Ion:105 Resp: 917982

Ion Ratio Lower Upper

105 100

134 30.9 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

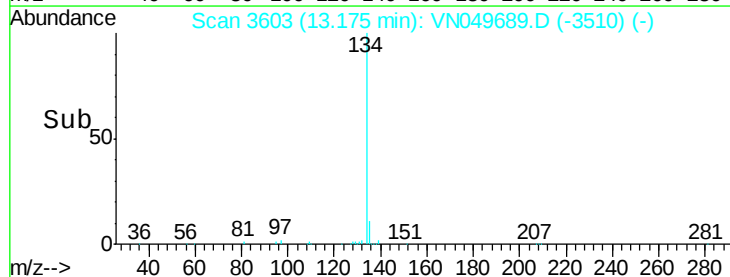
600000

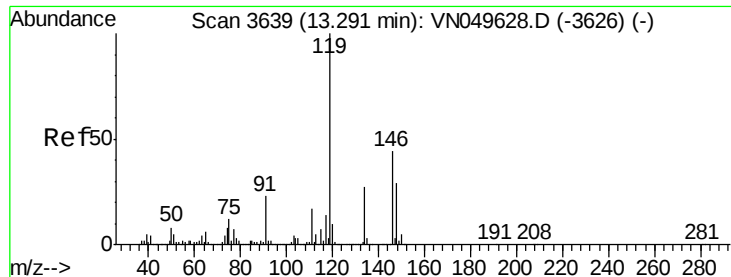
400000

200000

0

Time-->

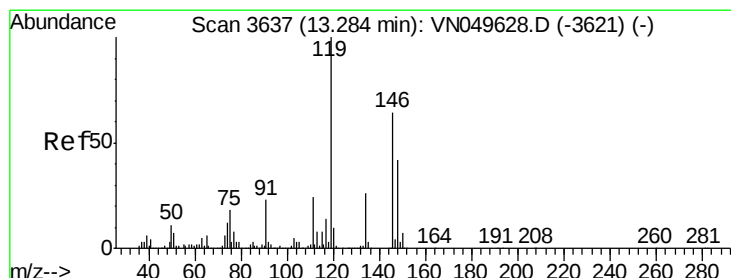
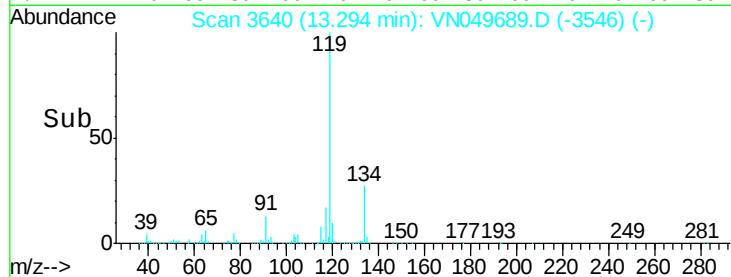
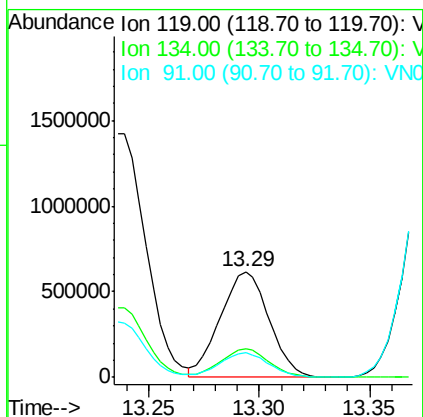
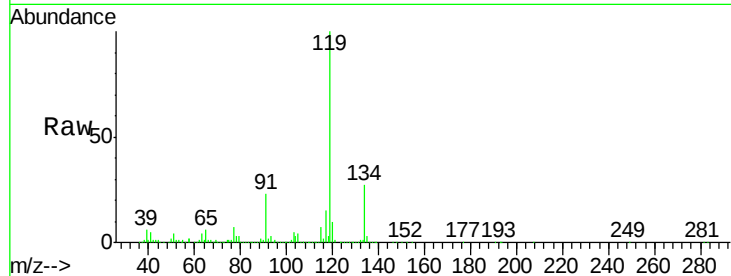




#86
p-Isopropyltoluene
Concen: 15.91 ug/l
RT: 13.29 min Scan# 3640
Delta R.T. 0.00 min
Lab File: VN049689.D
Acq: 3 Jul 2018 13:19

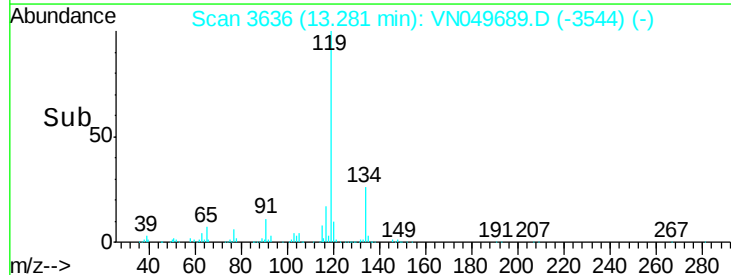
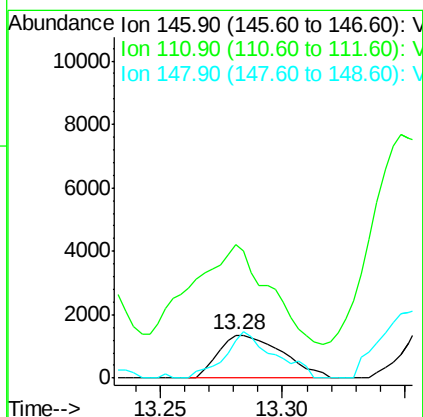
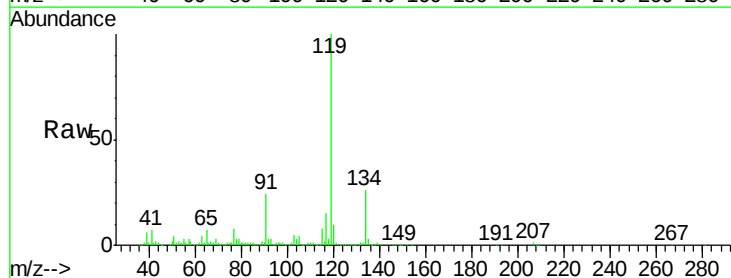
Instrument :
MSVOA_N
ClientSampled :

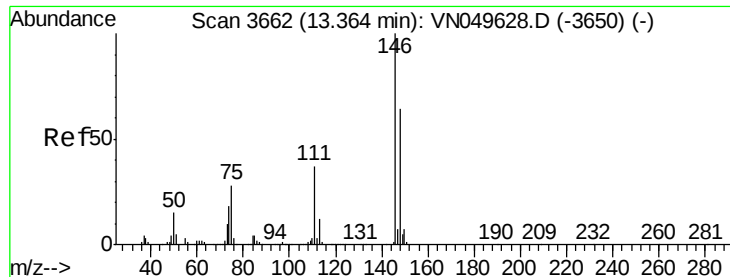
Tot Ion:119 Resp: 940091
Ion Ratio Lower Upper
119 100
134 26.7 13.3 39.9
91 23.2 11.4 34.1



#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 13.28 min Scan# 3636
Delta R.T. -0.00 min
Lab File: VN049689.D
Acq: 3 Jul 2018 13:19

Tgt Ion:146 Resp: 2469
Ion Ratio Lower Upper
146 100
111 282.5 19.0 57.0#
148 83.4 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: VN049689.D

Acq: 3 Jul 2018 13:19

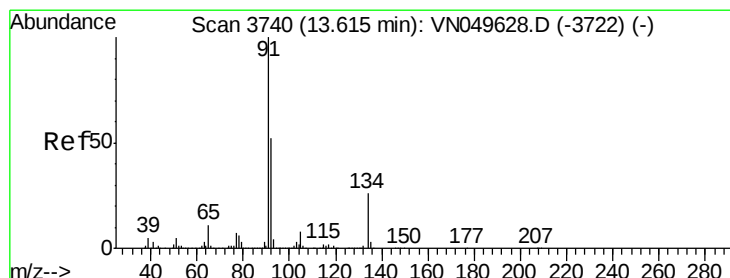
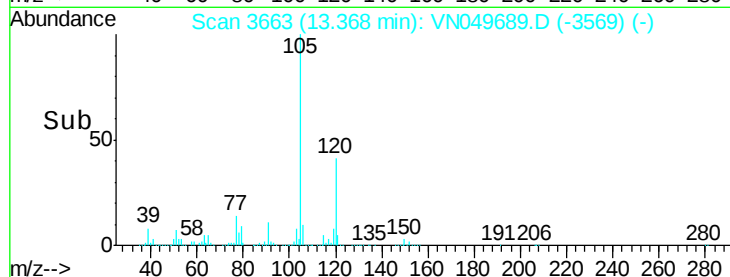
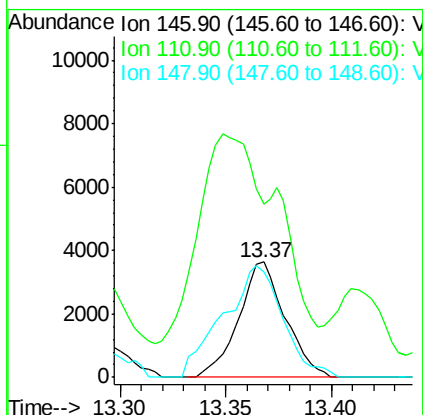
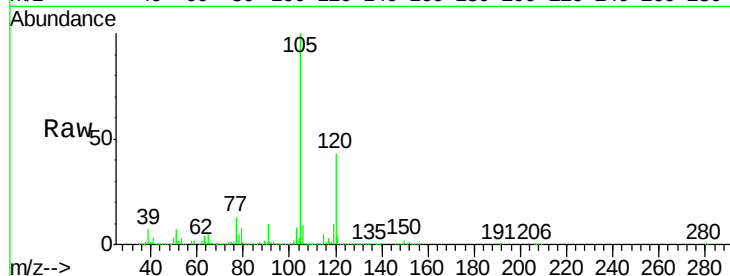
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:146 Resp: 5560

Ion	Ratio	Lower	Upper
146	100		
111	227.3	18.9	56.5#
148	124.3	32.1	96.3#



#89

n-Butylbenzene

Concen: 2.29 ug/l

RT: 13.59 min Scan# 3731

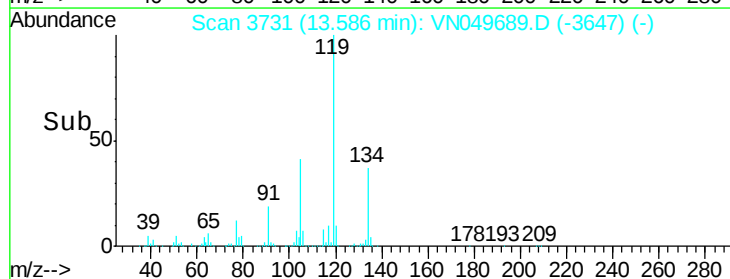
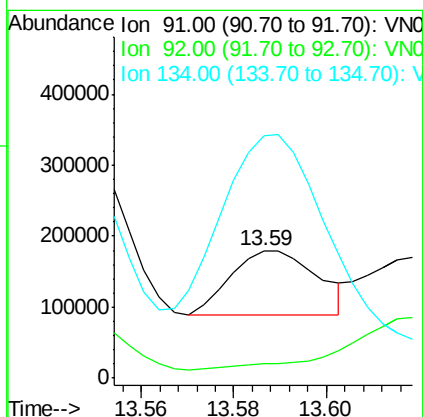
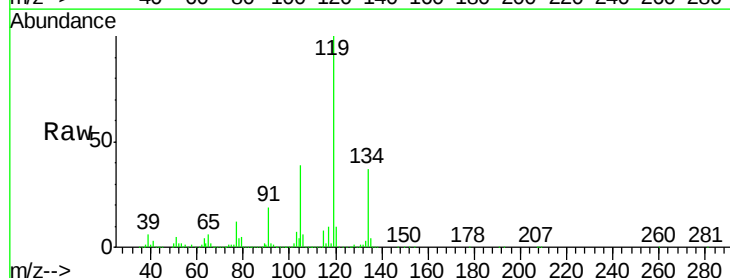
Delta R.T. -0.03 min

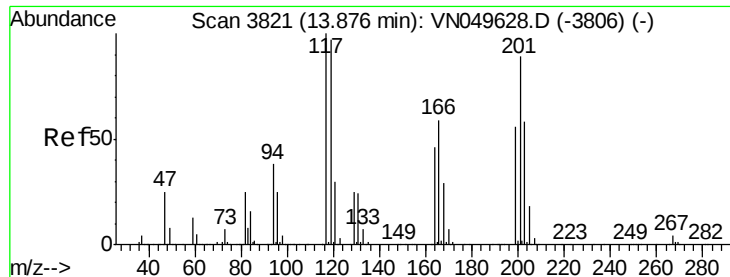
Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Tgt Ion: 91 Resp: 115647

Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.8	77.3#
134	569.2	13.0	38.9#





#90

Hexachloroethane

Concen: 17.87 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Instrument :

MSVOA_N

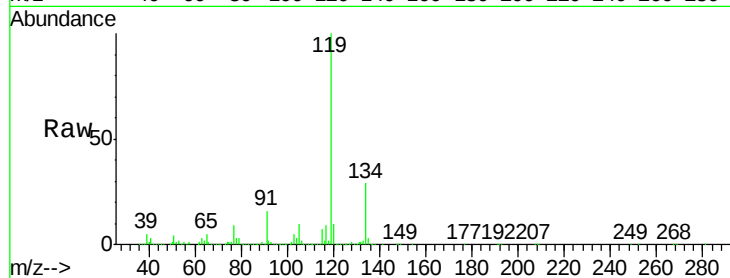
ClientSampleId :

Tot Ion:117 Resp: 110944

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

250000

200000

150000

100000

50000

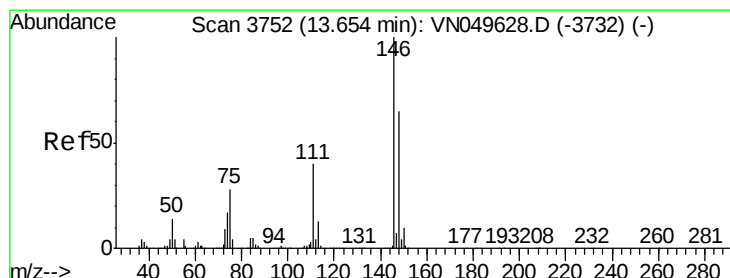
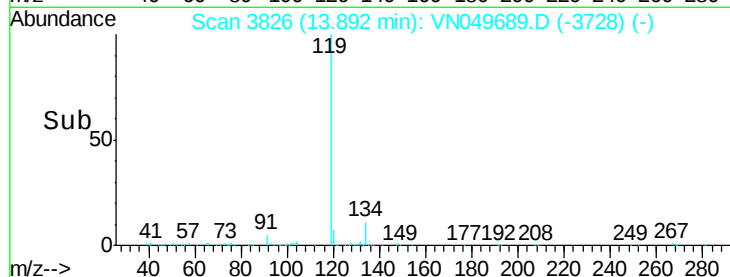
0

13.85

13.90

13.89

Time-->



#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.66 min Scan# 3754

Delta R.T. 0.01 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

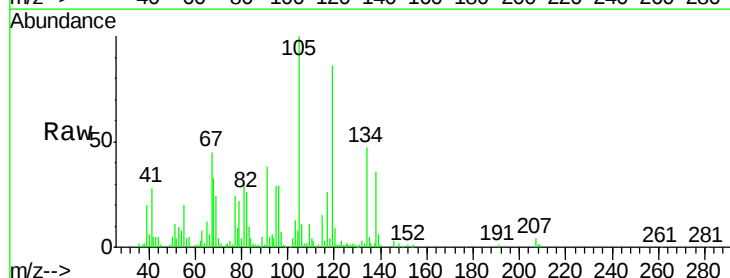
Tgt Ion:146 Resp: 2597

Ion Ratio Lower Upper

146 100

111 119.8 19.7 59.1#

148 69.1 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

2000

1500

1000

500

0

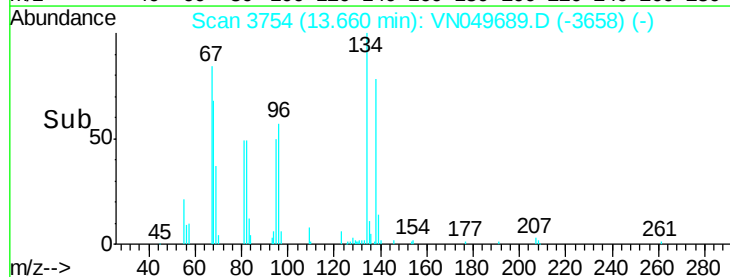
13.60

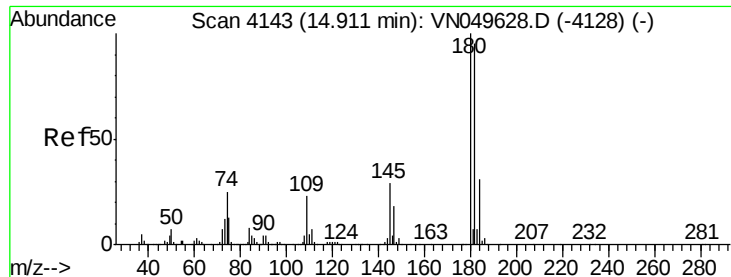
13.65

13.66

13.70

Time-->

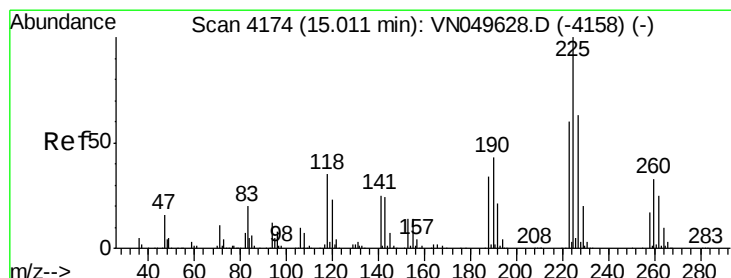
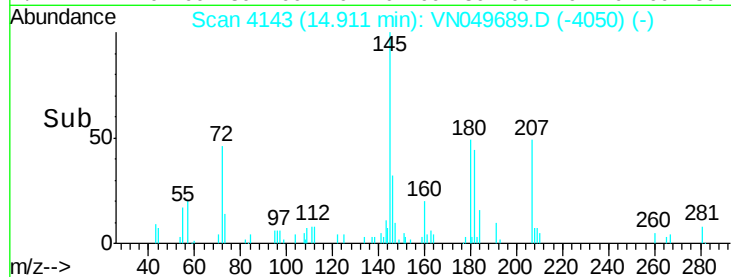
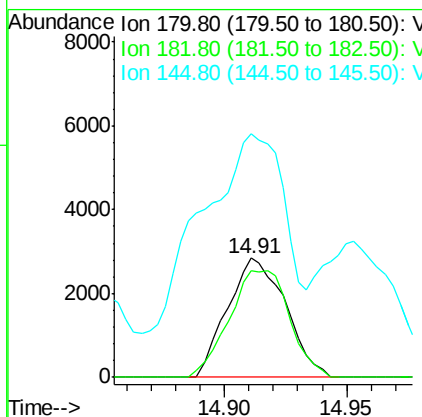
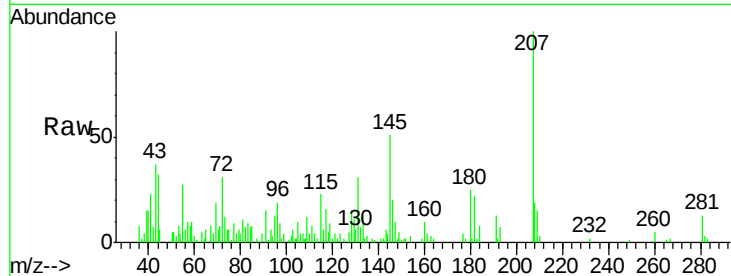




#93
 1,2,4-Trichlorobenzene
 Concen: 2.67 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049689.D
 Acq: 3 Jul 2018 13:19

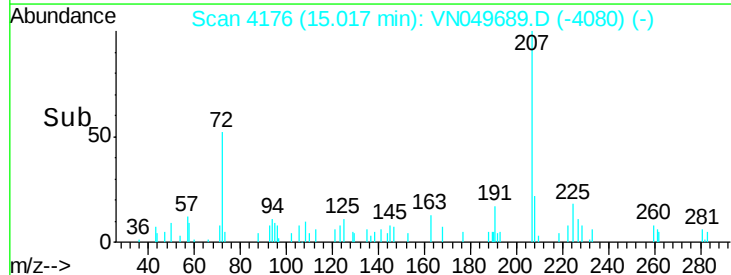
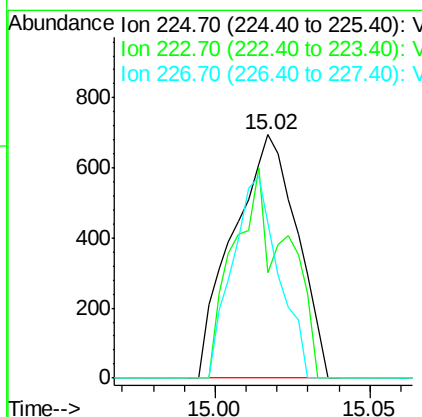
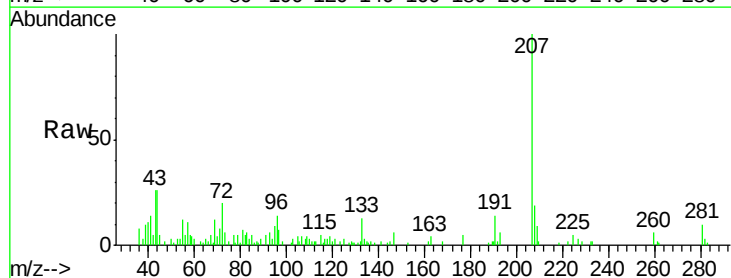
Instrument :
 MSVOA_N
 ClientSampled :

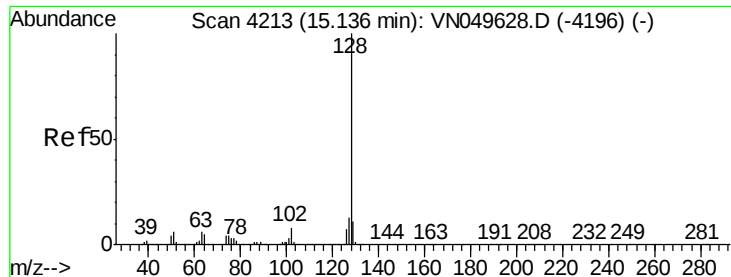
Tot Ion:180 Resp: 4699
 Ion Ratio Lower Upper
 180 100
 182 92.8 47.3 141.9
 145 325.8 14.4 43.0#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.02 min Scan# 4176
 Delta R.T. 0.01 min
 Lab File: VN049689.D
 Acq: 3 Jul 2018 13:19

Tgt Ion:225 Resp: 1000
 Ion Ratio Lower Upper
 225 100
 223 71.5 30.9 92.7
 227 59.6 31.8 95.4





#95

Naphthalene

Concen: 11.21 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

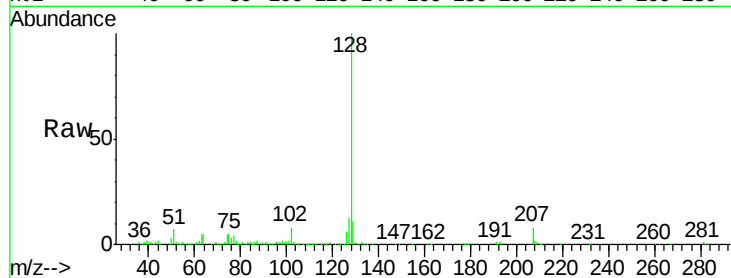
Tot Ion:128 Resp: 286784

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

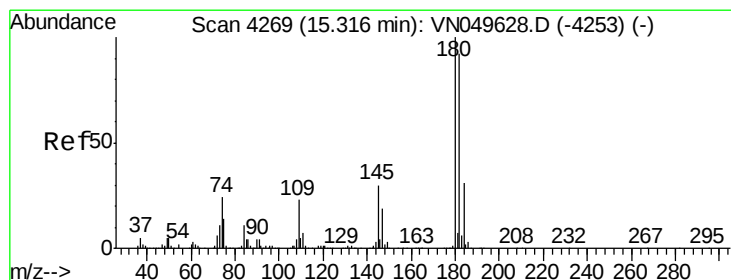
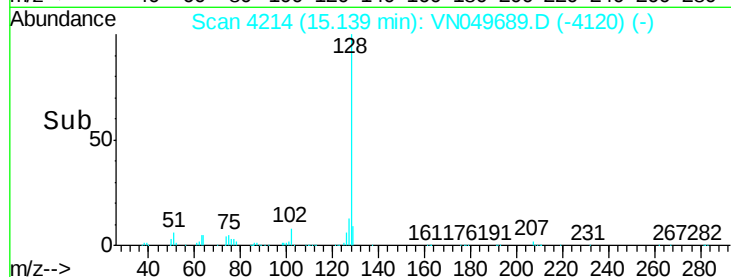
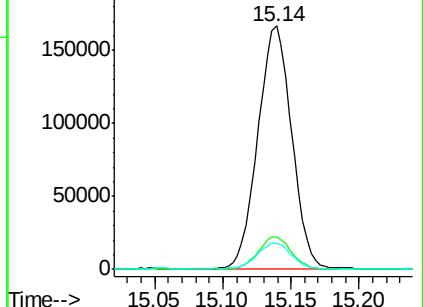
129 11.3 8.6 13.0



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: 1.90 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.01 min

Lab File: VN049689.D

Acq: 3 Jul 2018 13:19

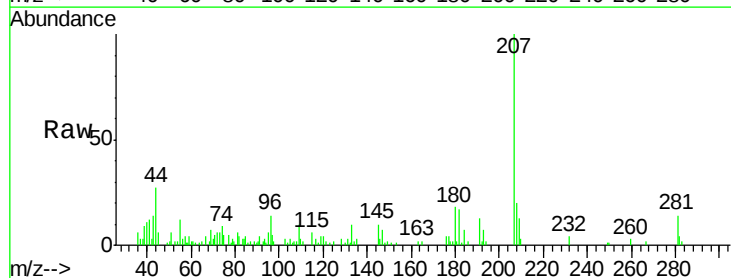
Tgt Ion:180 Resp: 4213

Ion Ratio Lower Upper

180 100

182 99.7 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

