

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063018\
 Data File : VN049651.D
 Acq On : 30 Jun 2018 17:01
 Operator : MD\SY
 Sample : J3807-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 01:23:57 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	1280116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2047907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1707780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	614429	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	847067	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
35) Dibromofluoromethane	7.59	113	740080	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
50) Toluene-d8	10.09	98	2764206	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
62) 4-Bromofluorobenzene	12.40	95	785395	38.39	ug/l	0.00
Spiked Amount			Recovery	=	76.78%	

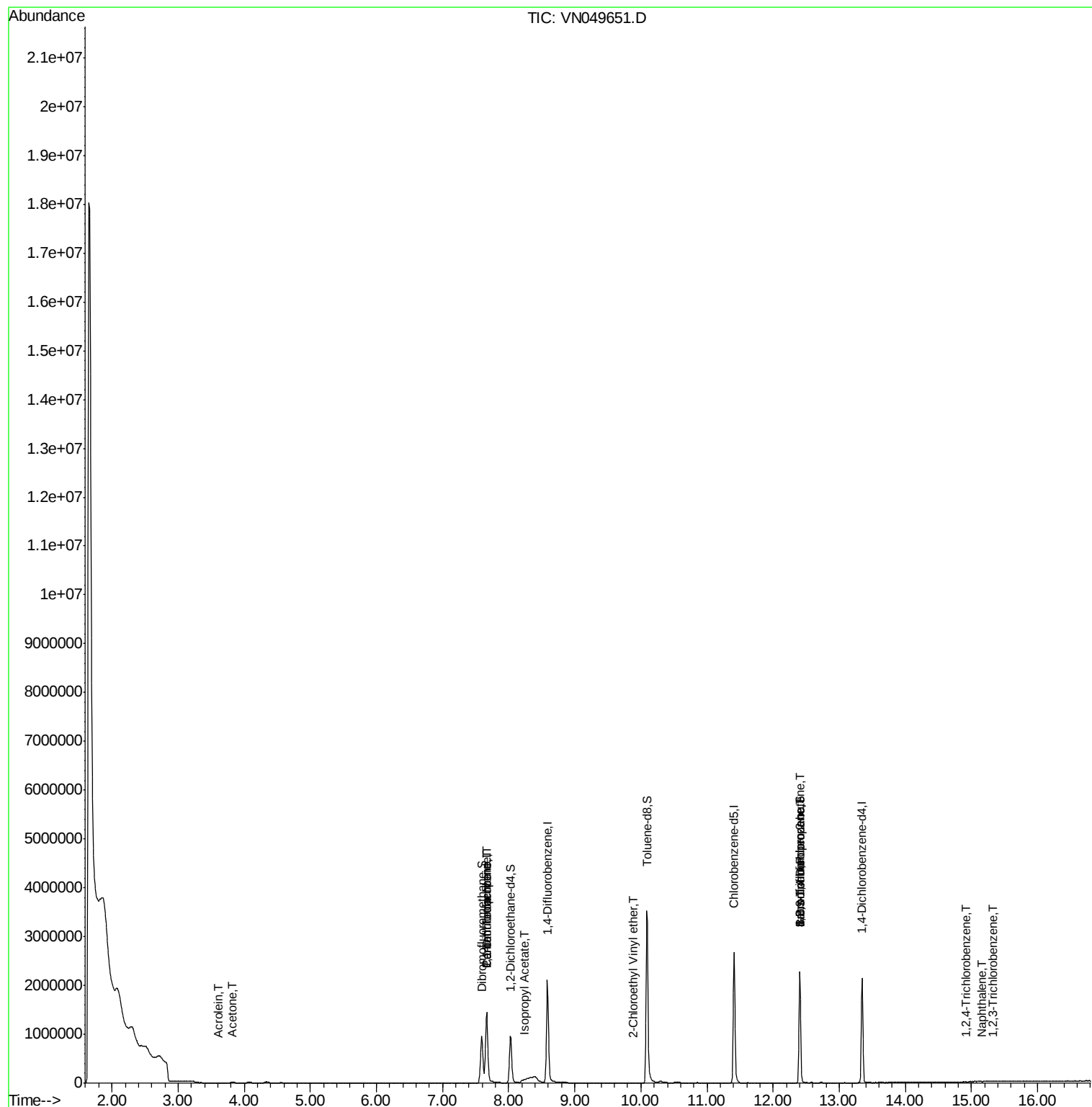
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	733	0.81	ug/l	# 1
16) Acetone	3.82	43	33137	1.83	ug/l	89
17) Carbon Disulfide	4.06	76	3826	Below	Cal	# 79
18) Methyl Acetate	4.33	43	48969	Below	Cal	# 92
36) 1,1-Dichloropropene	7.67	75	90695	3.94	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	111373	4.97	ug/l	# 16
43) Isopropyl Acetate	8.23	43	67946	1.99	ug/l	# 62
58) 2-Chloroethyl Vinyl ether	9.88	63	79	10.83	ug/l	# 48
71) Bromoform	12.41	173	5657	0.53	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.51	83	85	Below	Cal	# 82
76) 1,2,3-Trichloropropane	12.40	75	383477	38.92	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	383477	132.17	ug/l	# 13
87) 1,3-Dichlorobenzene	13.28	146	582	Below	Cal	# 64
88) 1,4-Dichlorobenzene	13.37	146	1176	Below	Cal	# 1
91) 1,2-Dichlorobenzene	13.65	146	746	Below	Cal	# 60
92) 1,2-Dibromo-3-Chloropropan	14.25	75	240	Below	Cal	# 1
93) 1,2,4-Trichlorobenzene	14.92	180	718	2.46	ug/l	70
94) Hexachlorobutadiene	15.01	225	86	Below	Cal	# 49
95) Naphthalene	15.14	128	1729	4.10	ug/l	# 82
96) 1,2,3-Trichlorobenzene	15.31	180	310	1.67	ug/l	# 1

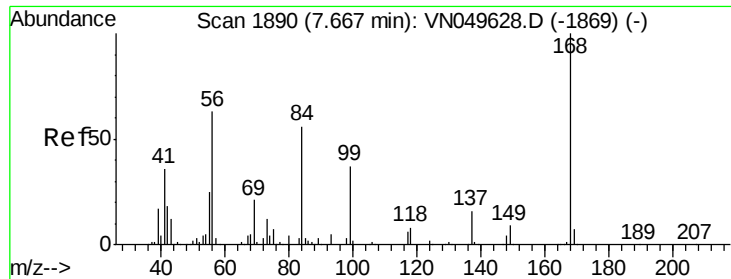
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063018\
Data File : VN049651.D
Acq On : 30 Jun 2018 17:01
Operator : MD\SY
Sample : J3807-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 02 01:23:57 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



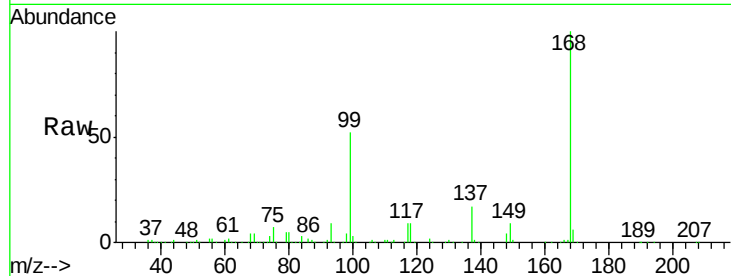


#1

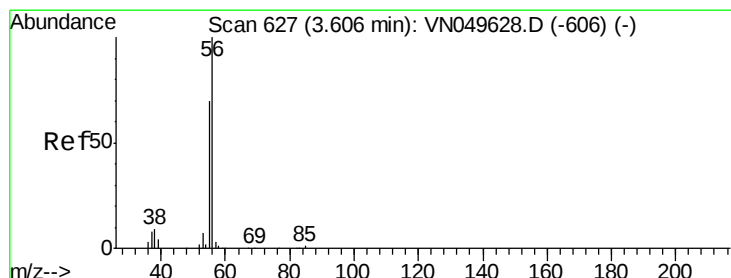
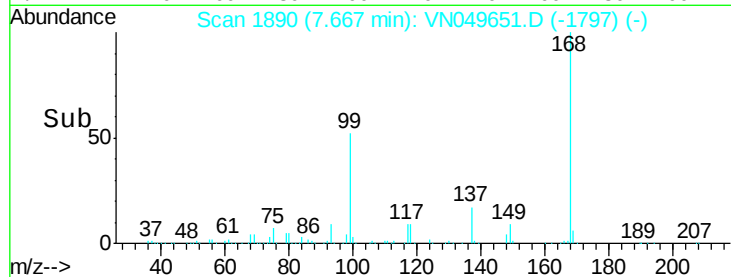
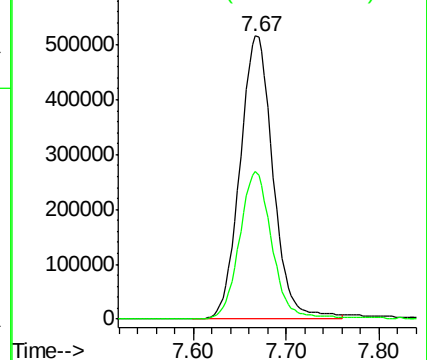
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN049651.D
 Acq: 30 Jun 2018 17:01

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:168 Resp: 1280116
 Ion Ratio Lower Upper
 168 100
 99 52.0 40.6 61.0



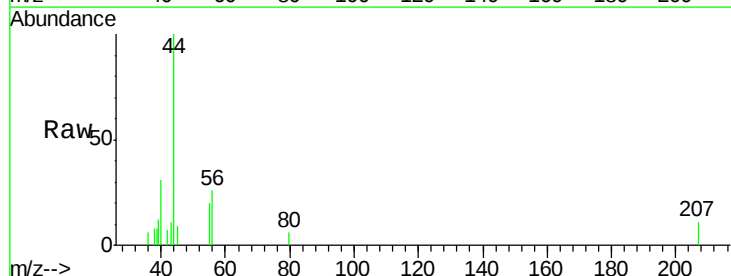
Abundance Ion 167.90 (167.60 to 168.60): VN049651.D (-1797) (-)
 Ion 98.90 (98.60 to 99.60): VN049651.D (-1797) (-)



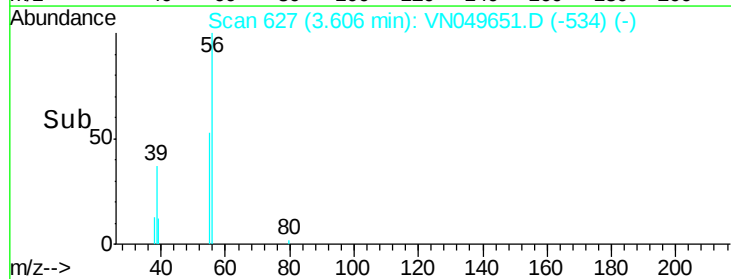
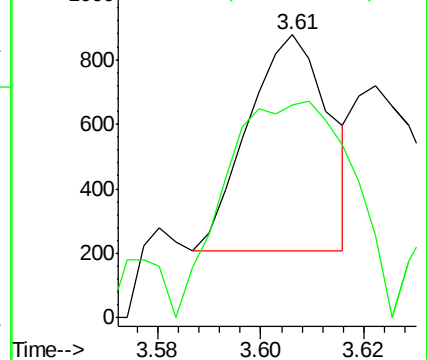
#13

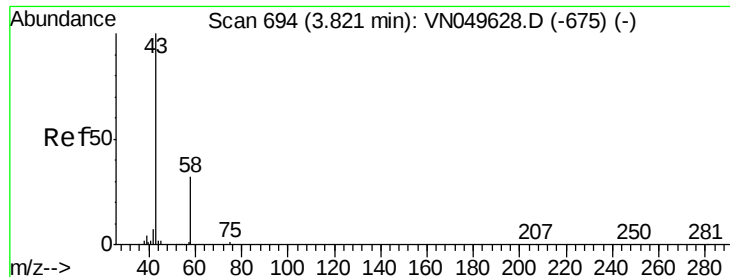
Acrolein
 Concen: 0.81 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN049651.D
 Acq: 30 Jun 2018 17:01

Tgt Ion: 56 Resp: 733
 Ion Ratio Lower Upper
 56 100
 55 154.8 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN049651.D (-534) (-)
 Ion 55.00 (54.70 to 55.70): VN049651.D (-534) (-)





#16

Acetone

Concen: 1.83 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049651.D

Acq: 30 Jun 2018 17:01

Instrument :

MSVOA_N

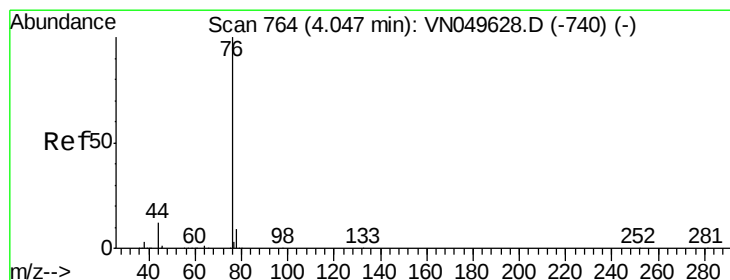
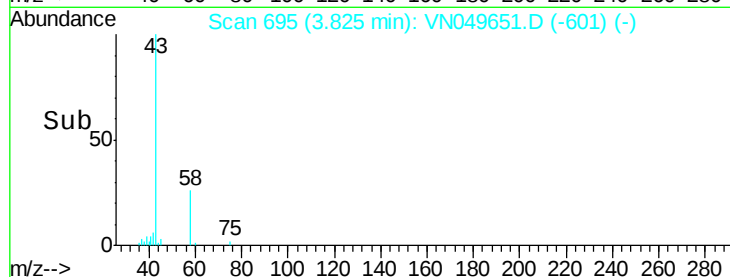
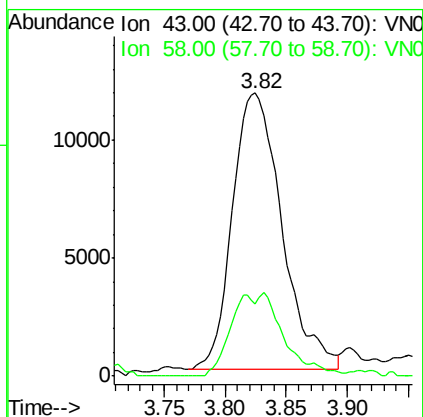
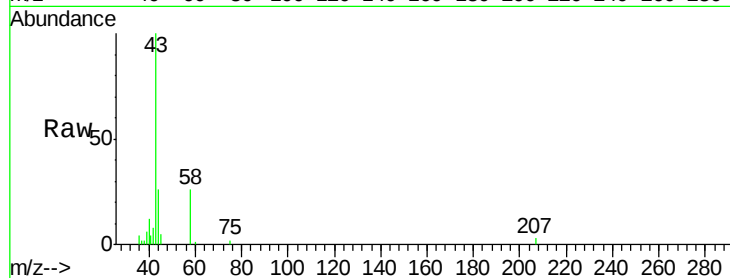
ClientSampleId :

Tot Ion: 43 Resp: 33137

Ion Ratio Lower Upper

43 100

58 26.3 25.9 38.9



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.06 min Scan# 768

Delta R.T. 0.01 min

Lab File: VN049651.D

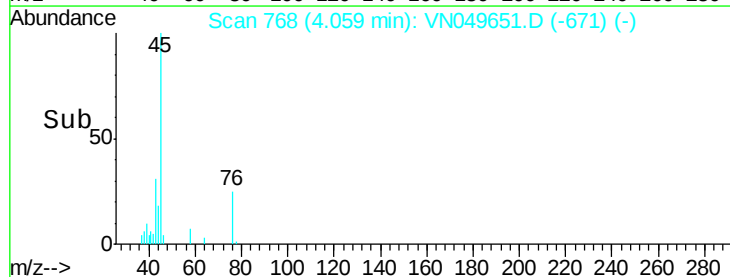
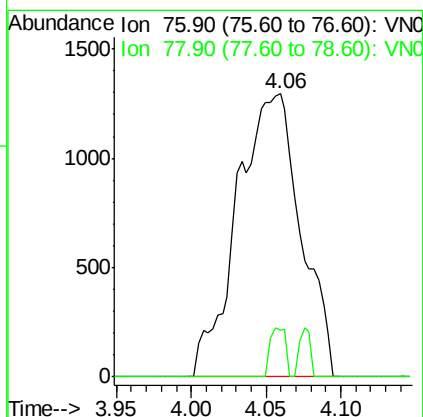
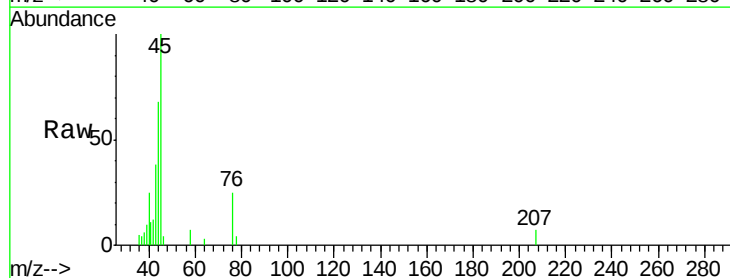
Acq: 30 Jun 2018 17:01

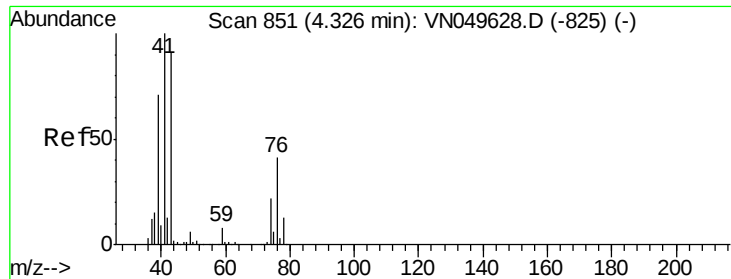
Tgt Ion: 76 Resp: 3826

Ion Ratio Lower Upper

76 100

78 16.6 7.1 10.7#

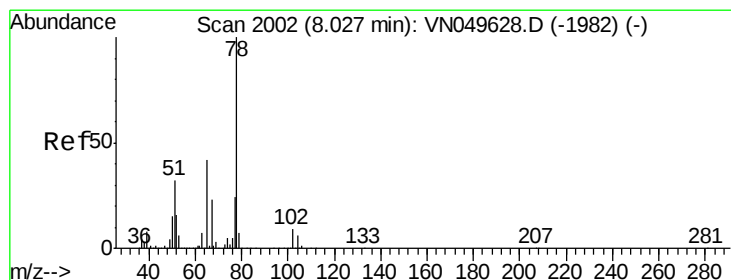
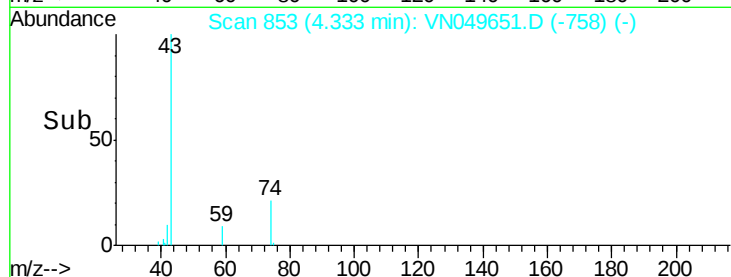
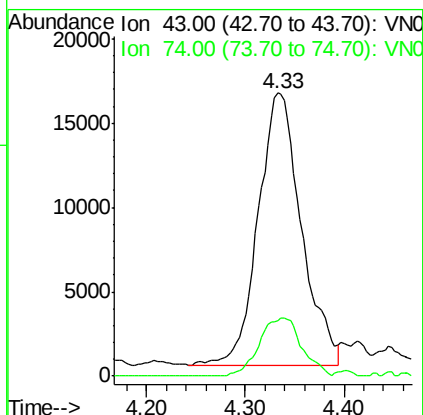
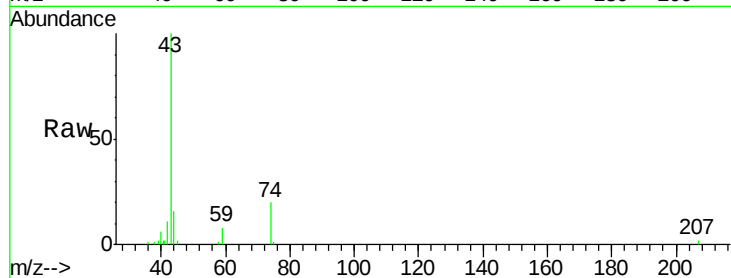




#18
Methvl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049651.D
Acq: 30 Jun 2018 17:01

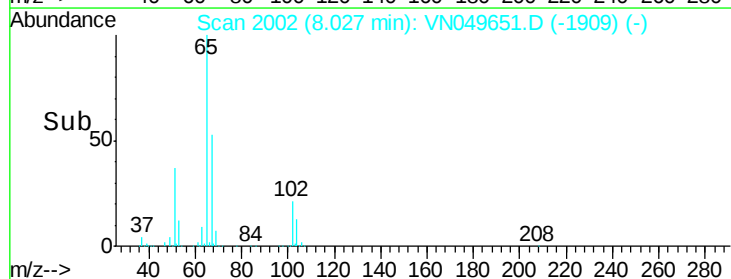
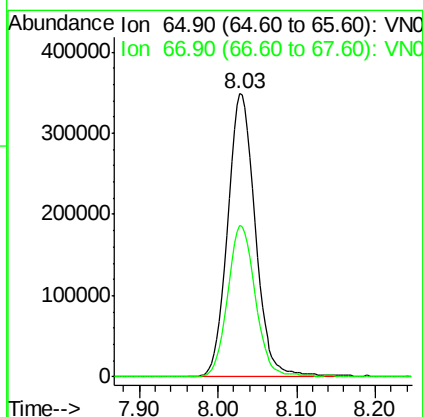
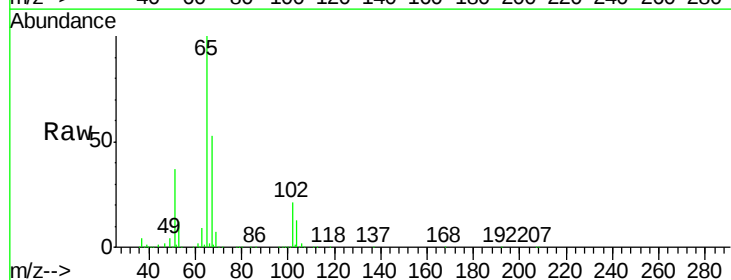
Instrument :
MSVOA_N
ClientSampleId :

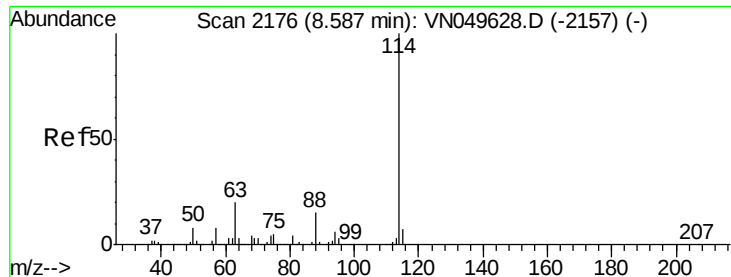
Tot Ion: 43 Resp: 48969
Ion Ratio Lower Upper
43 100
74 21.0 19.8 29.8



#33
1,2-Dichloroethane-d4
Concen: 50.11 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049651.D
Acq: 30 Jun 2018 17:01

Tgt Ion: 65 Resp: 847067
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.2



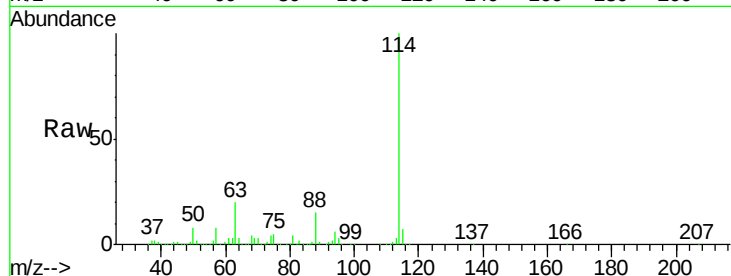


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049651.D
 Acq: 30 Jun 2018 17:01

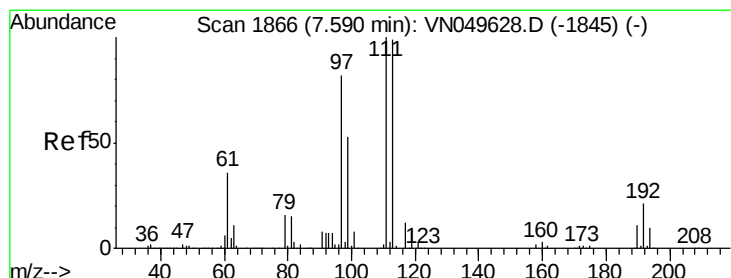
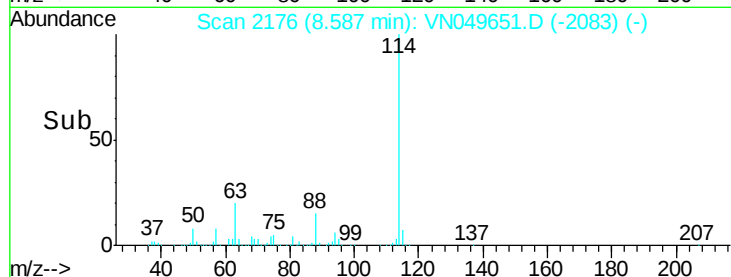
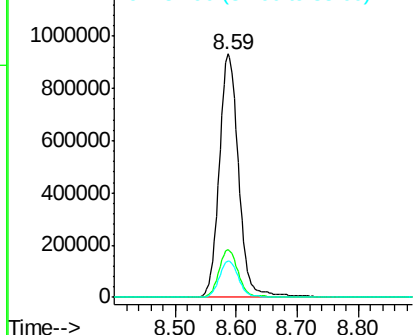
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 2047907

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.8
88	15.0	0.0	30.6



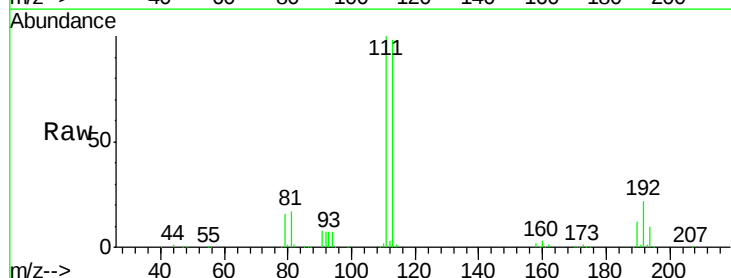
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



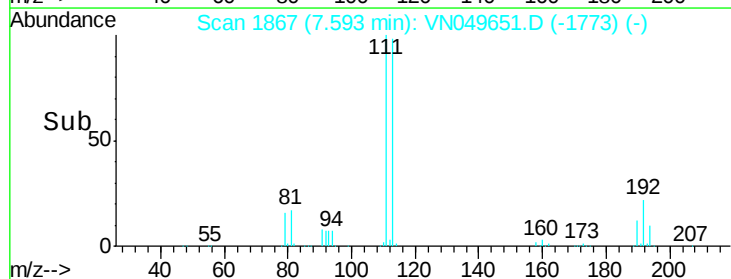
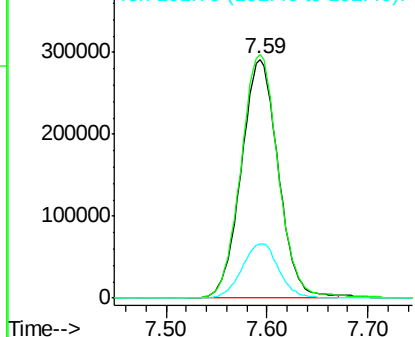
#35
 Dibromofluoromethane
 Concen: 48.34 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049651.D
 Acq: 30 Jun 2018 17:01

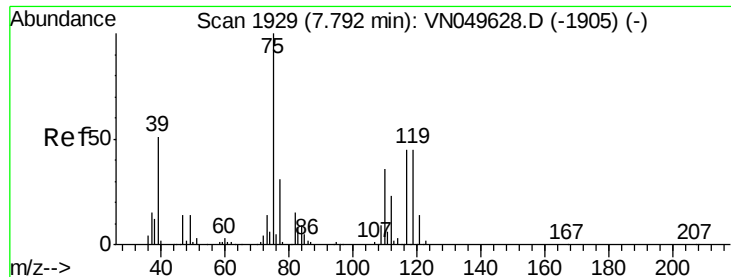
Tgt Ion:113 Resp: 740080

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.8
192	22.8	17.8	26.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.94 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049651.D

Acq: 30 Jun 2018 17:01

Instrument :
MSVOA_N
ClientSampled :

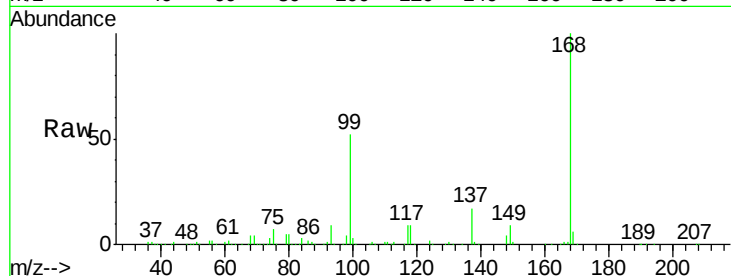
Tot Ion: 75 Resp: 90695

Ion Ratio Lower Upper

75 100

110 8.4 18.1 54.4#

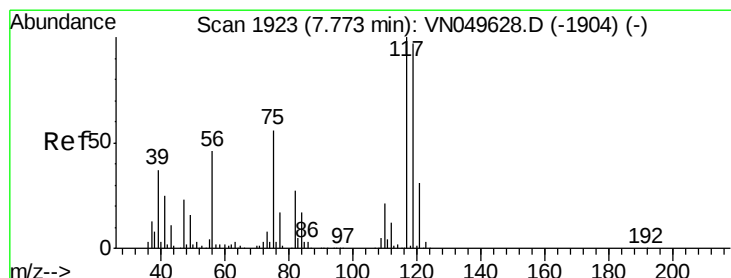
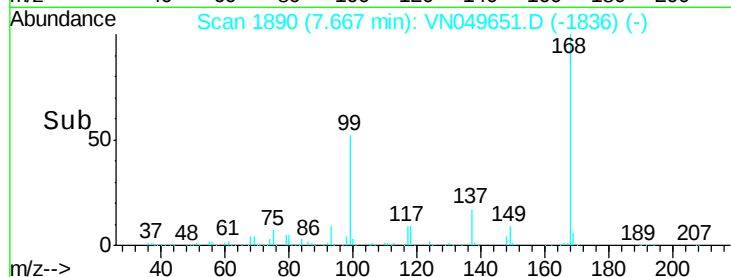
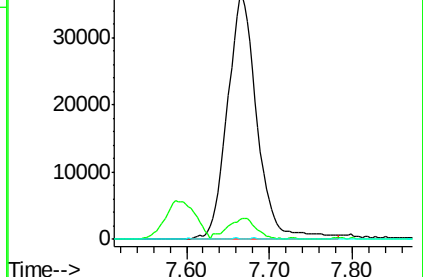
77 0.1 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN049628.D (-1905) (-)

Ion 109.90 (109.60 to 110.60): VN049628.D (-1905) (-)

Ion 76.90 (76.60 to 77.60): VN049628.D (-1905) (-)



#38

Carbon Tetrachloride

Concen: 4.97 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049651.D

Acq: 30 Jun 2018 17:01

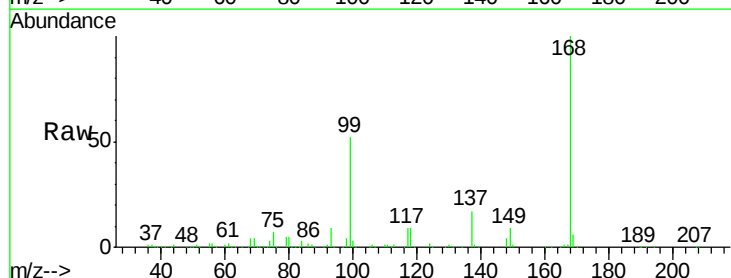
Tgt Ion: 117 Resp: 111373

Ion Ratio Lower Upper

117 100

119 5.0 77.2 115.8#

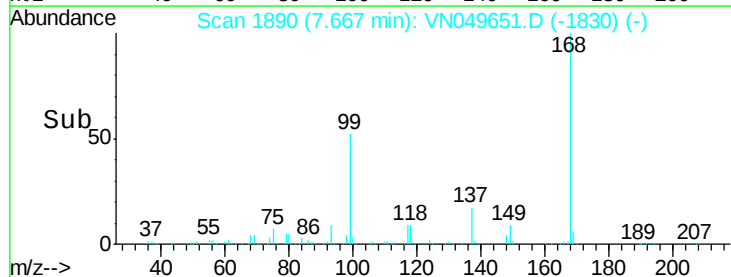
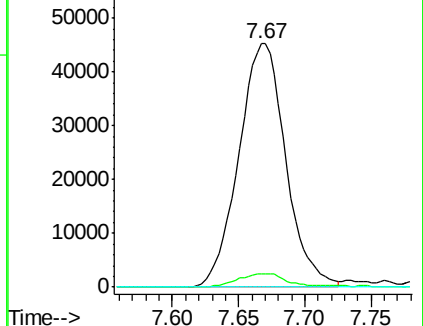
121 0.0 25.0 37.6#

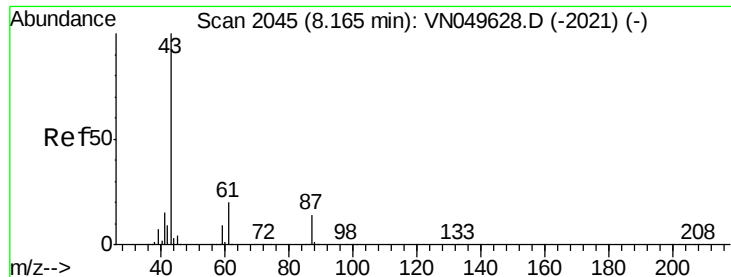


Abundance Ion 116.80 (116.50 to 117.50): VN049628.D (-1904) (-)

Ion 118.80 (118.50 to 119.50): VN049628.D (-1904) (-)

Ion 120.80 (120.50 to 121.50): VN049628.D (-1904) (-)

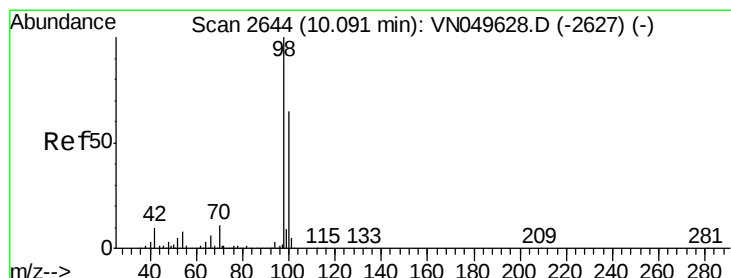
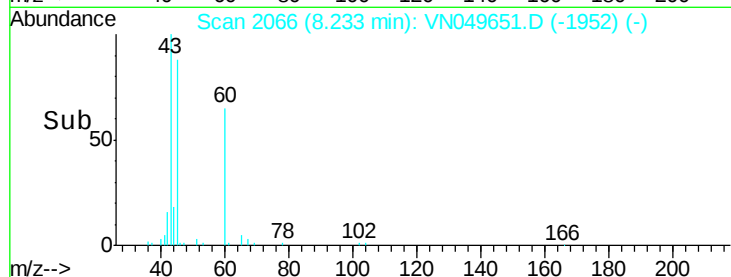
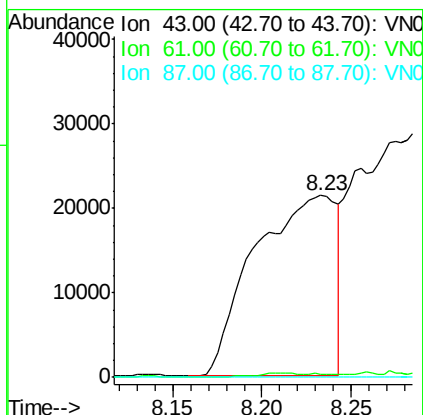
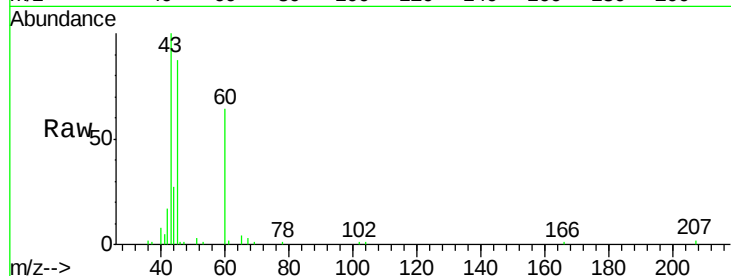




#43
Isopropyl Acetate
Concen: 1.99 ug/l
RT: 8.23 min Scan# 2066
Delta R.T. 0.07 min
Lab File: VN049651.D
Acq: 30 Jun 2018 17:01

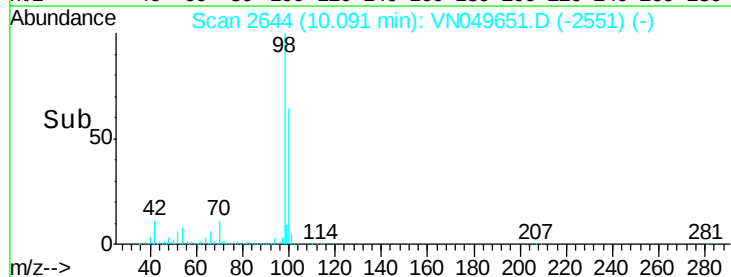
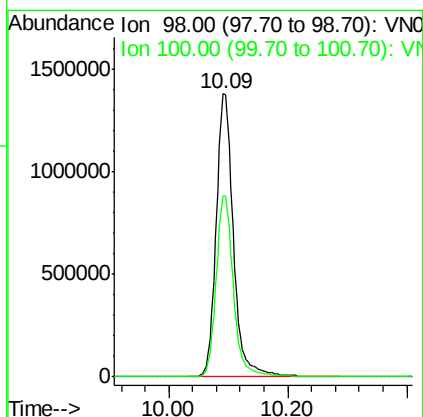
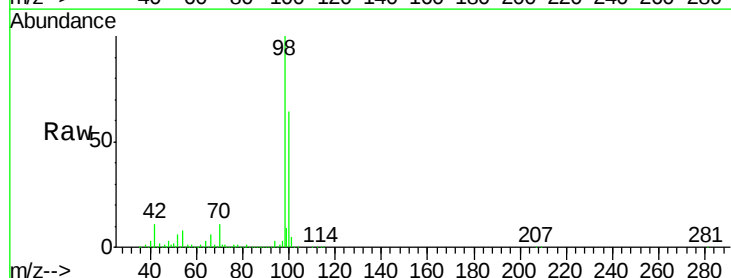
Instrument :
MSVOA_N
ClientSampleId :

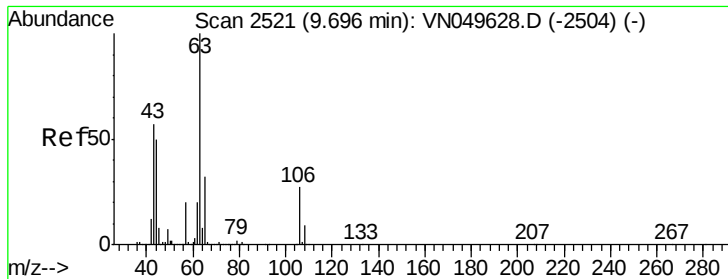
Tot Ion: 43 Resp: 67946
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
87 0.0 10.0 15.0#



#50
Toluene-d8
Concen: 46.13 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049651.D
Acq: 30 Jun 2018 17:01

Tgt Ion: 98 Resp: 2764206
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5





#58

2-Chloroethyl Vinyl ether

Concen: 10.83 ug/l

RT: 9.88 min Scan# 2579

Delta R.T. 0.19 min

Lab File: VN049651.D

Acq: 30 Jun 2018 17:01

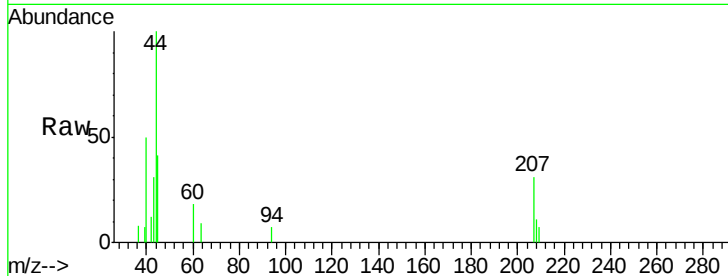
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 79

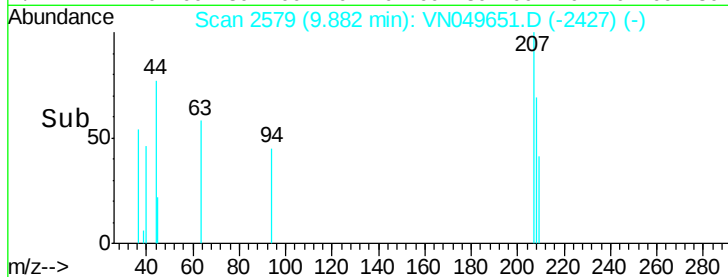
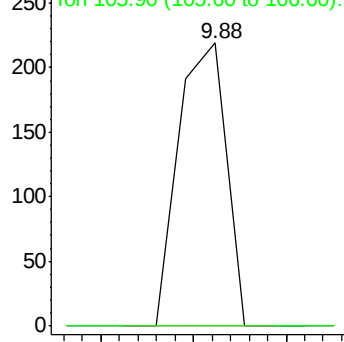
Ion Ratio Lower Upper

63 100

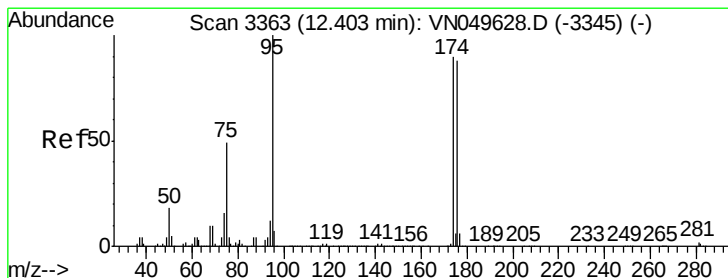
106 0.0 21.8 32.8#



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



Time-->



#62

4-Bromofluorobenzene

Concen: 38.39 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049651.D

Acq: 30 Jun 2018 17:01

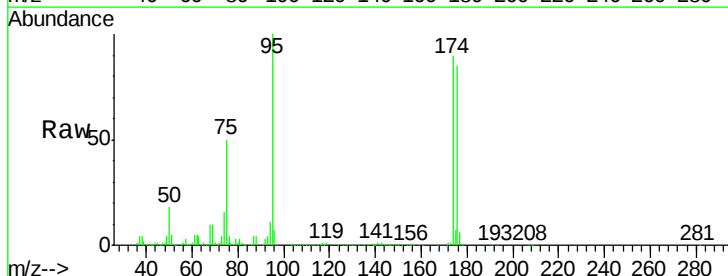
Tgt Ion: 95 Resp: 785395

Ion Ratio Lower Upper

95 100

174 89.5 0.0 179.6

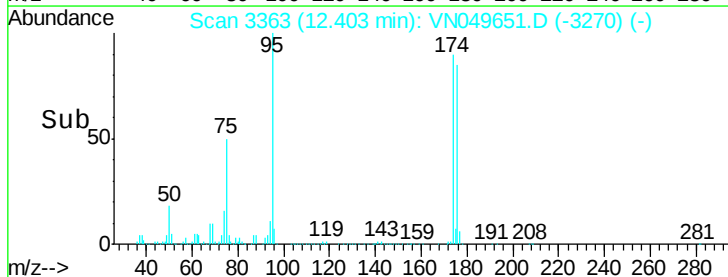
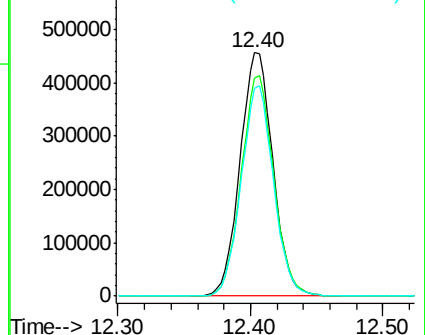
176 84.9 0.0 174.0



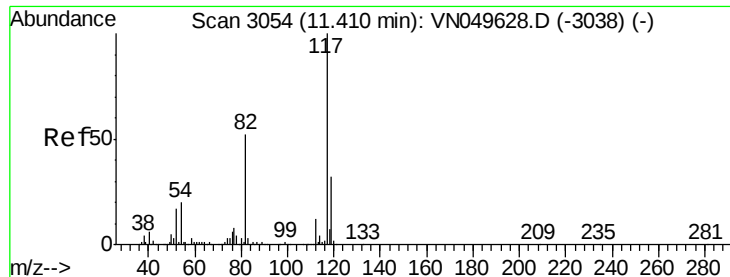
Abundance Ion 94.90 (94.60 to 95.60): VN049628.D (-3345) (-)

Ion 173.80 (173.50 to 174.50): VN049628.D (-3345) (-)

Ion 175.80 (175.50 to 176.50): VN049628.D (-3345) (-)



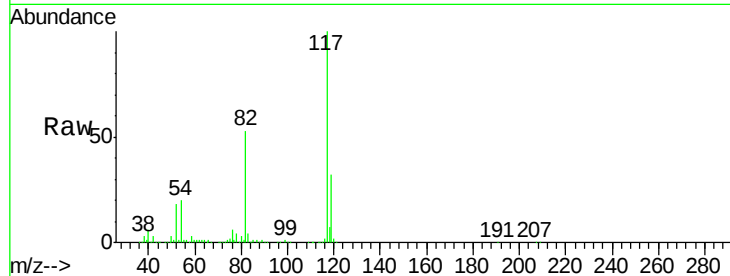
Time-->



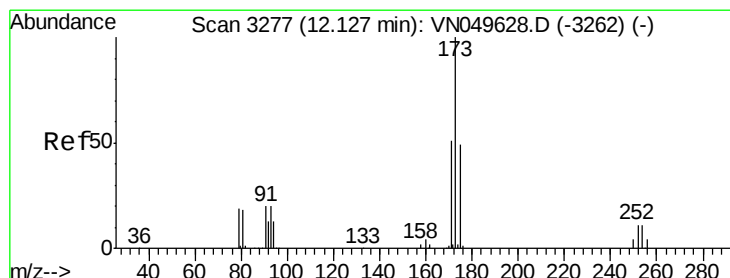
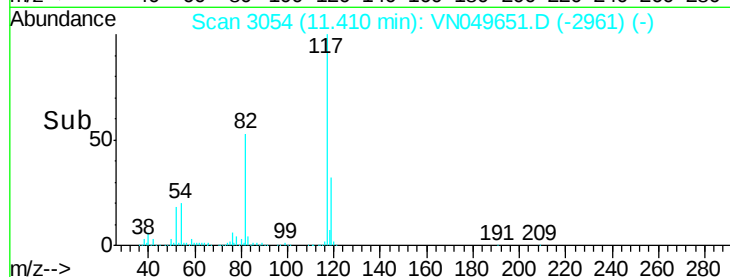
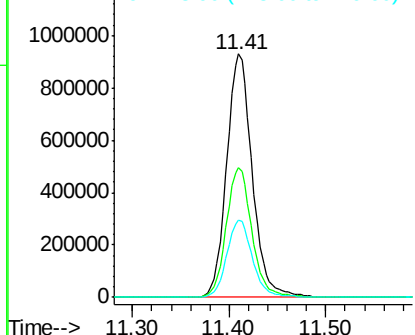
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049651.D
Acq: 30 Jun 2018 17:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1707780
Ion Ratio Lower Upper
117 100
82 53.2 41.9 62.9
119 31.7 25.4 38.2

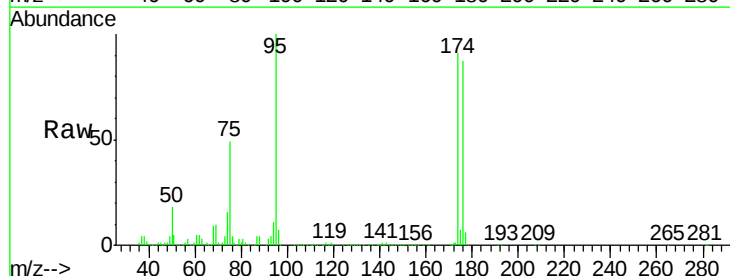


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

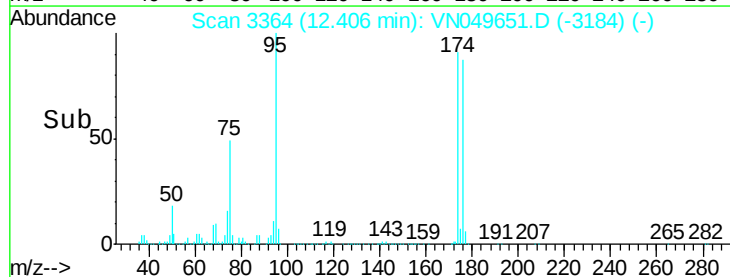
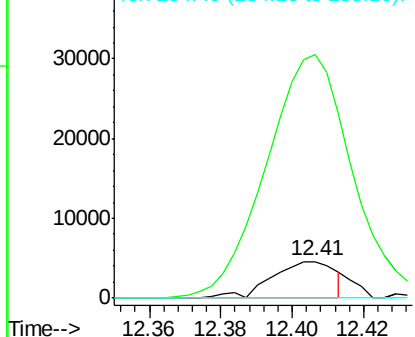


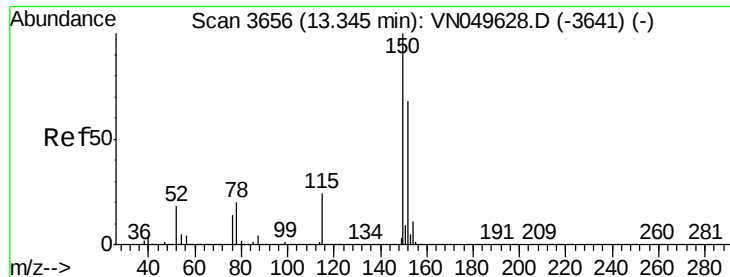
#71
Bromoform
Concen: 0.53 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN049651.D
Acq: 30 Jun 2018 17:01

Tgt Ion:173 Resp: 5657
Ion Ratio Lower Upper
173 100
175 729.2 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

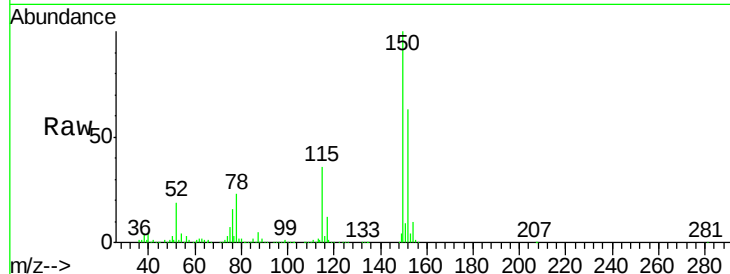




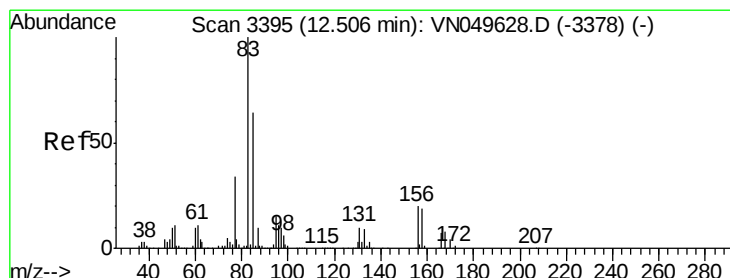
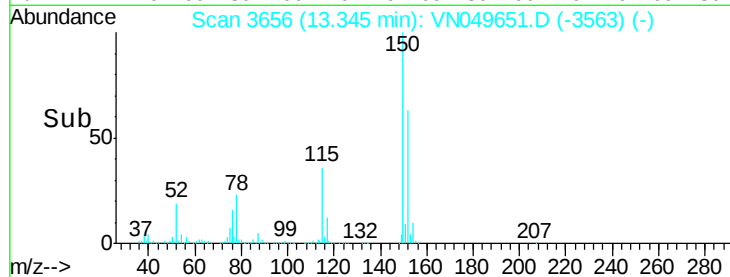
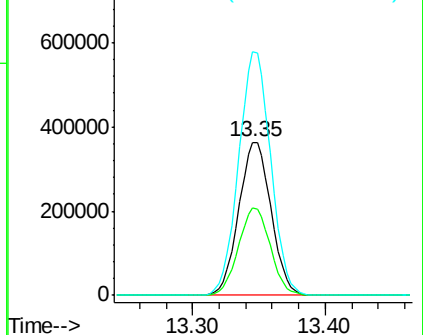
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN049651.D
 Acq: 30 Jun 2018 17:01

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:152 Resp: 614429
 Ion Ratio Lower Upper
 152 100
 115 56.7 28.1 84.2
 150 158.0 0.0 347.6

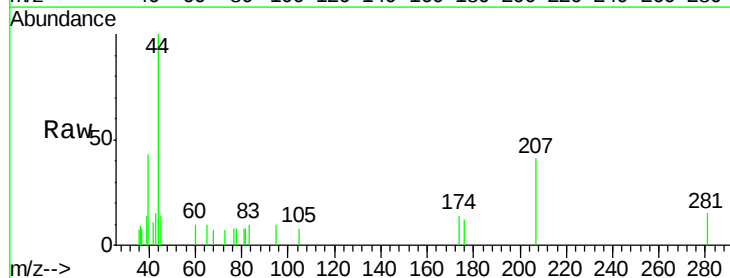


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

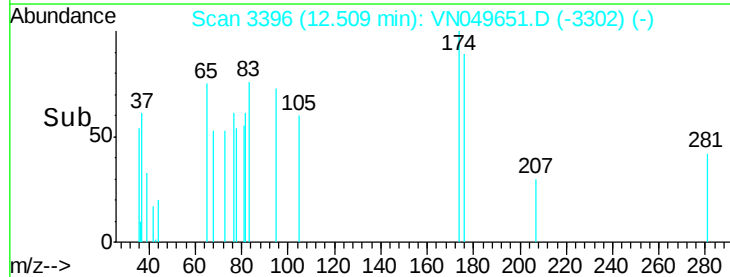
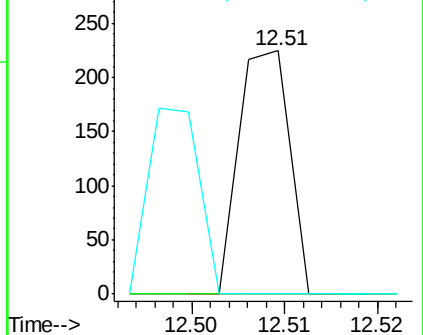


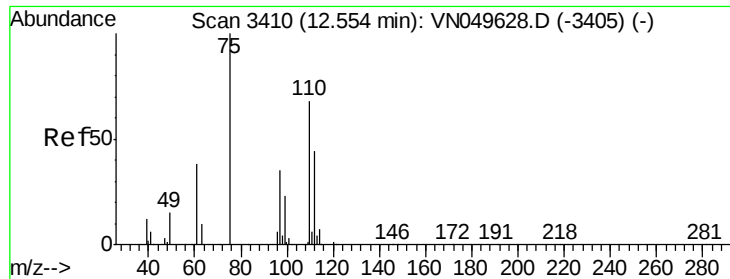
#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VN049651.D
 Acq: 30 Jun 2018 17:01

Tgt Ion: 83 Resp: 85
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.2 15.6#
 85 77.6 32.5 97.4



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





#76

1,2,3-Trichloropropane

Concen: 38.92 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049651.D

Acq: 30 Jun 2018 17:01

Instrument :

MSVOA_N

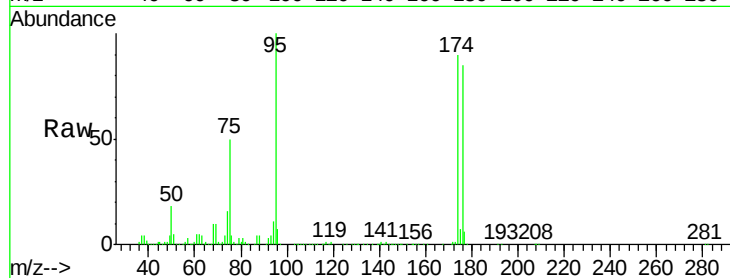
ClientSampled :

Tot Ion: 75 Resp: 383477

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

250000

200000

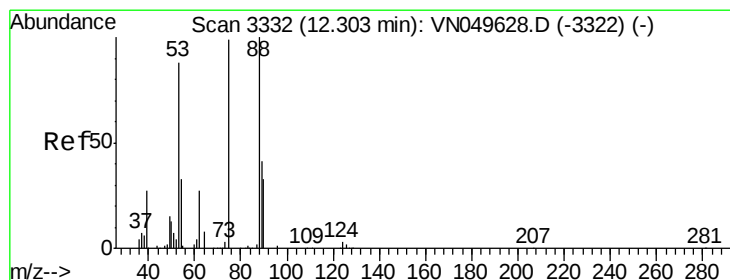
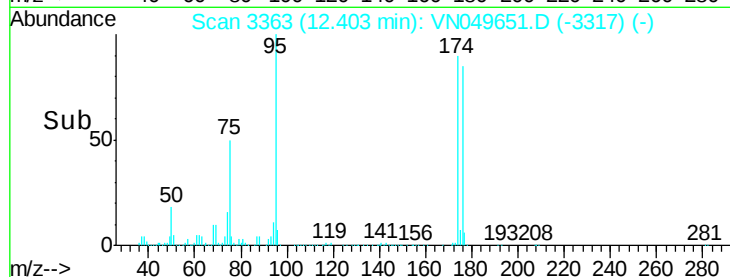
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 132.17 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049651.D

Acq: 30 Jun 2018 17:01

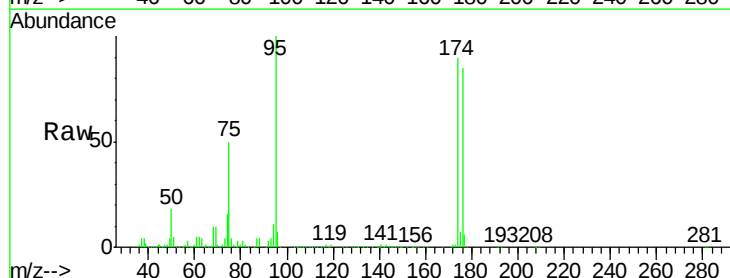
Tgt Ion: 75 Resp: 383477

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

300000

250000

200000

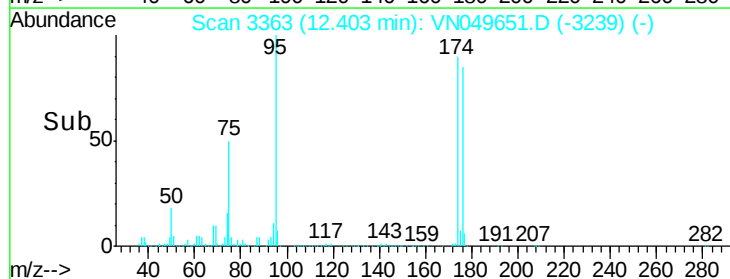
150000

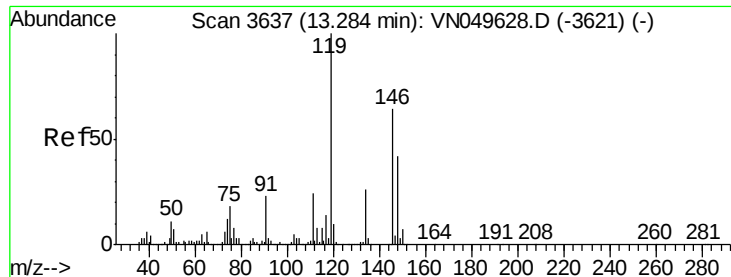
100000

50000

0

Time--> 12.30 12.40 12.50

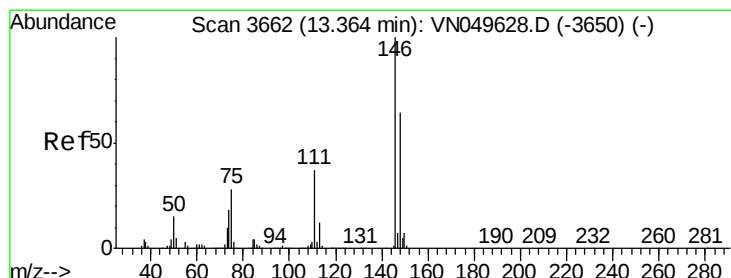
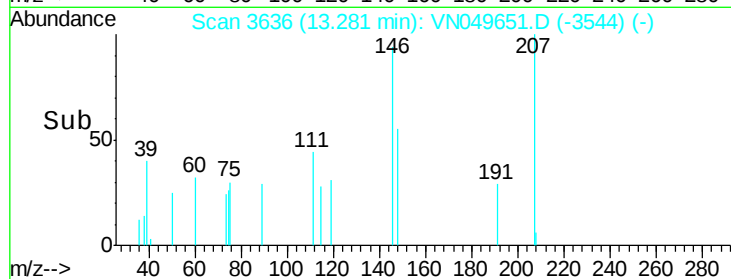
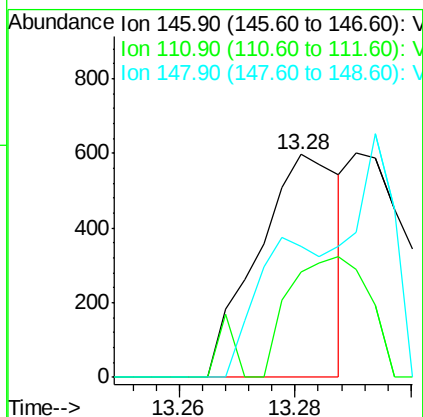
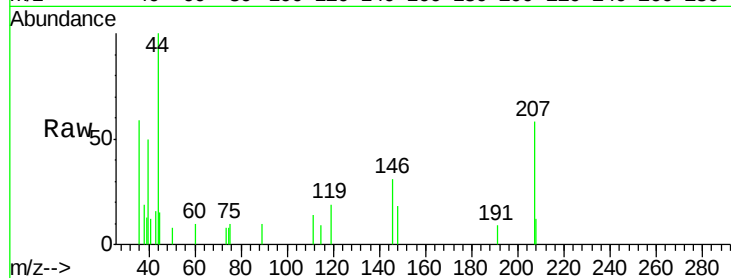




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN049651.D
 Acq: 30 Jun 2018 17:01

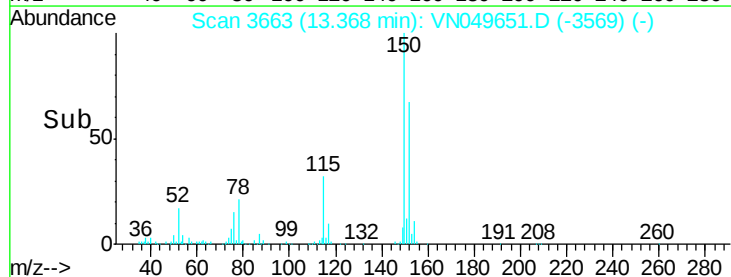
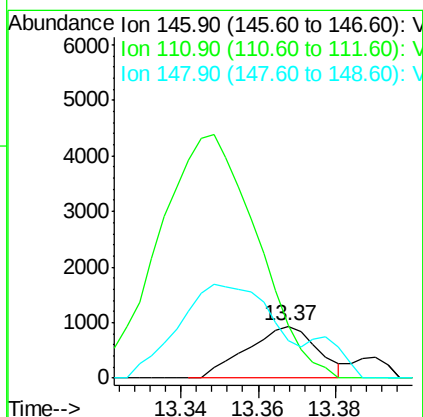
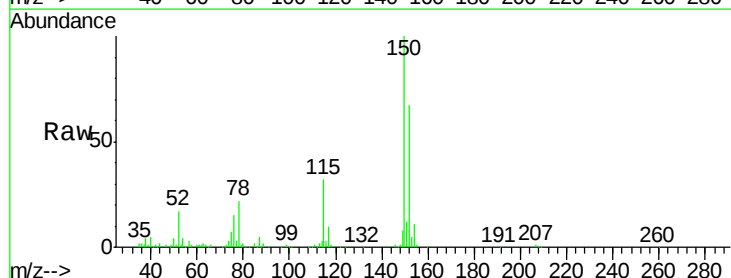
Instrument :
 MSVOA_N
 ClientSampled :

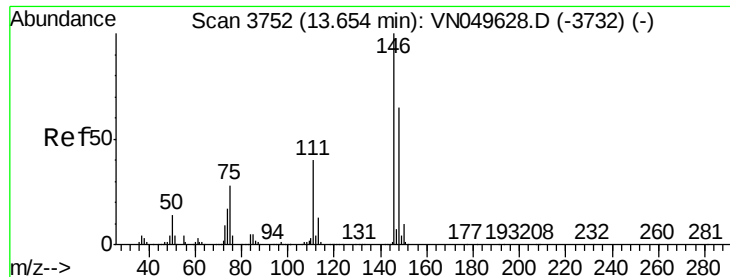
Tot Ion:146 Resp: 582
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.0 57.0#
 148 49.5 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049651.D
 Acq: 30 Jun 2018 17:01

Tgt Ion:146 Resp: 1176
 Ion Ratio Lower Upper
 146 100
 111 659.4 18.9 56.5#
 148 246.5 32.1 96.3#

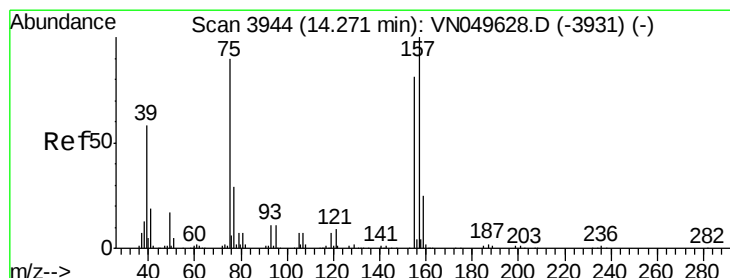
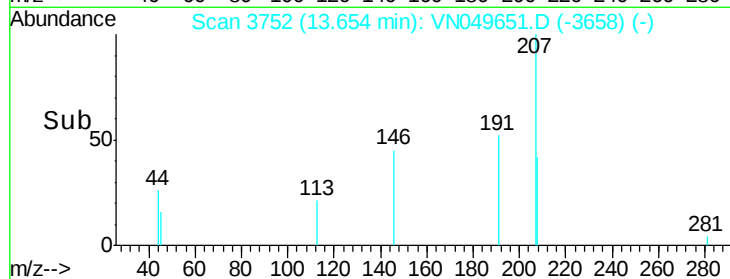
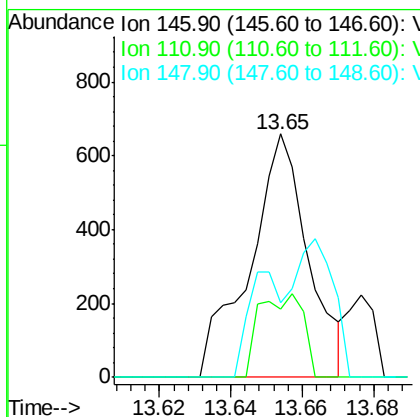
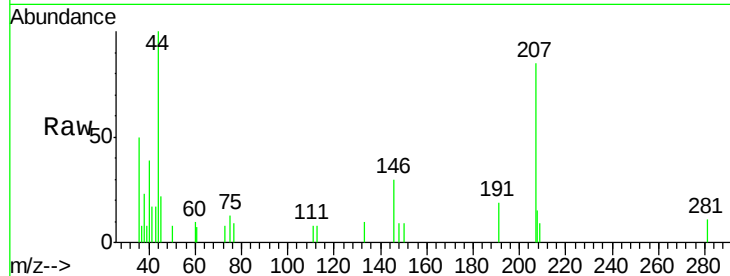




#91
 1,2-Dichlorobenzene
 Concen: Below Cal
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049651.D
 Acq: 30 Jun 2018 17:01

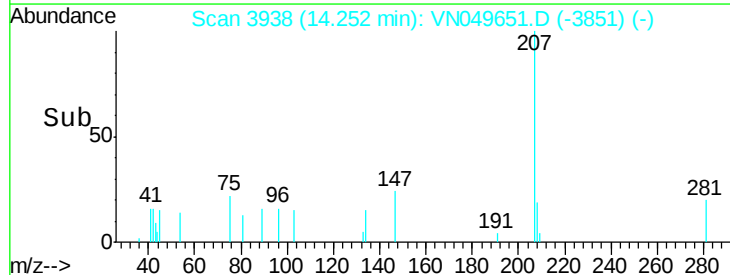
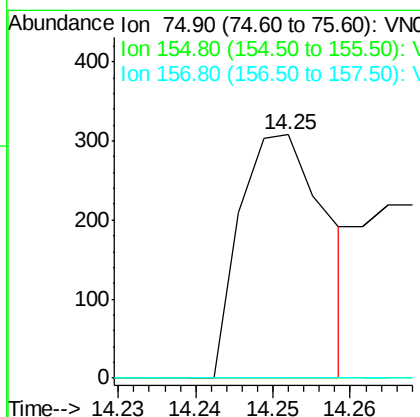
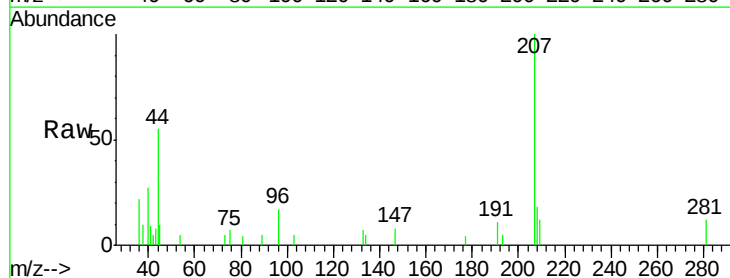
Instrument :
 MSVOA_N
 ClientSampled :

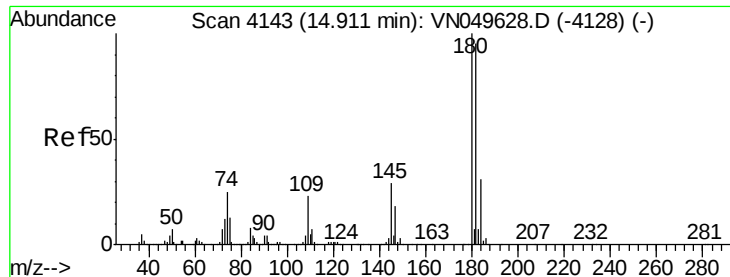
Tot Ion:146 Resp: 746
 Ion Ratio Lower Upper
 146 100
 111 25.6 19.7 59.1
 148 24.1 32.0 96.2#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.25 min Scan# 3938
 Delta R.T. -0.02 min
 Lab File: VN049651.D
 Acq: 30 Jun 2018 17:01

Tgt Ion: 75 Resp: 240
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.7 137.1#
 157 0.0 56.9 170.7#

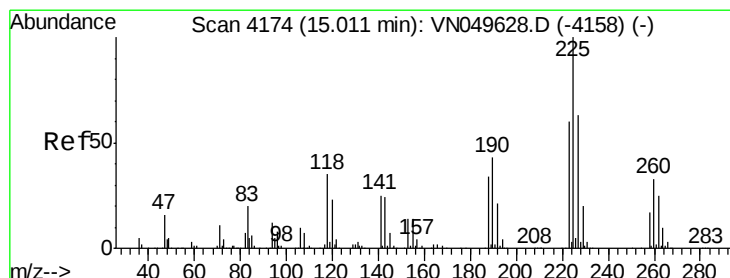
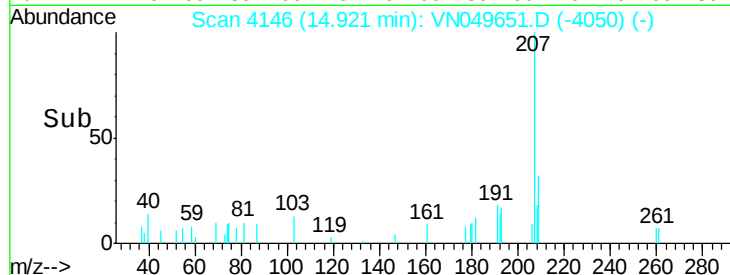
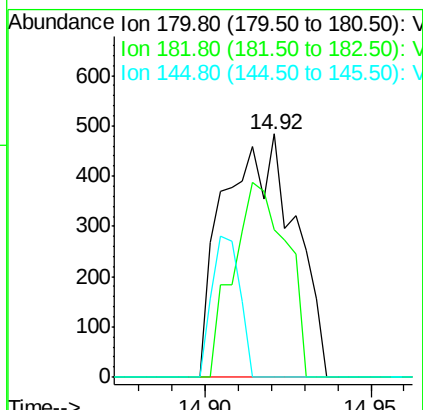
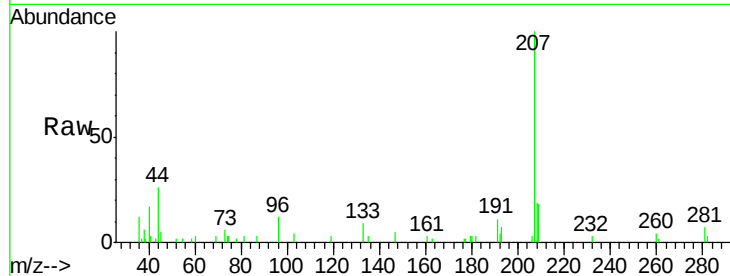




#93
 1,2,4-Trichlorobenzene
 Concen: 2.46 ug/l
 RT: 14.92 min Scan# 4146
 Delta R.T. 0.01 min
 Lab File: VN049651.D
 Acq: 30 Jun 2018 17:01

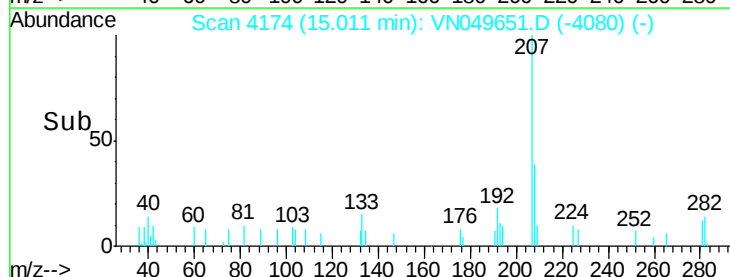
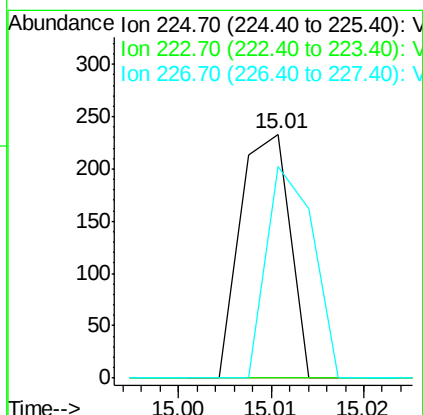
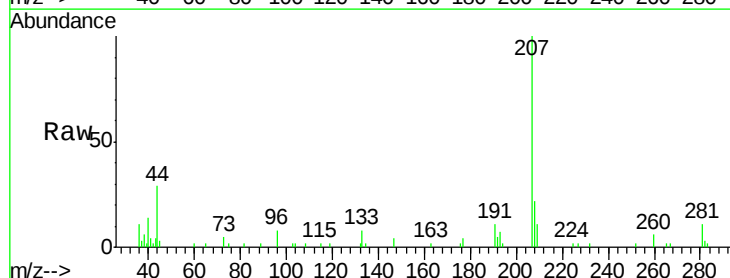
Instrument :
 MSVOA_N
 ClientSampleId :

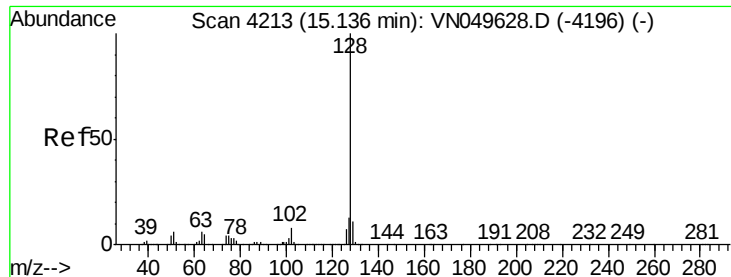
Tot Ion:180 Resp: 718
 Ion Ratio Lower Upper
 180 100
 182 59.9 47.3 141.9
 145 23.0 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN049651.D
 Acq: 30 Jun 2018 17:01

Tgt Ion:225 Resp: 86
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.9 92.7#
 227 81.4 31.8 95.4





#95

Naphthalene

Concen: 4.10 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049651.D

Acq: 30 Jun 2018 17:01

Instrument :

MSVOA_N

ClientSampled :

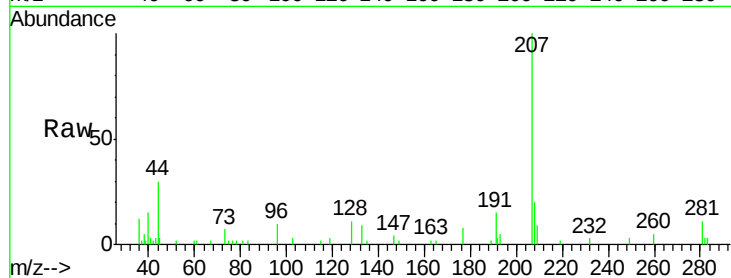
Tot Ion:128 Resp: 1729

Ion Ratio Lower Upper

128 100

127 7.6 10.4 15.6#

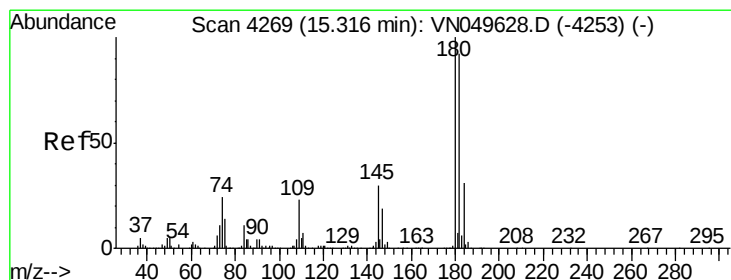
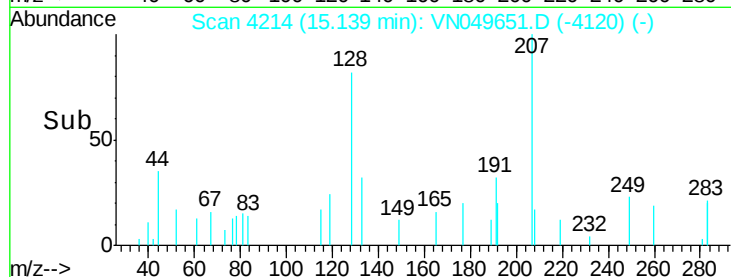
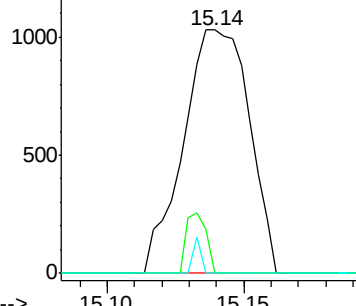
129 1.7 8.6 13.0#



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: 1.67 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.00 min

Lab File: VN049651.D

Acq: 30 Jun 2018 17:01

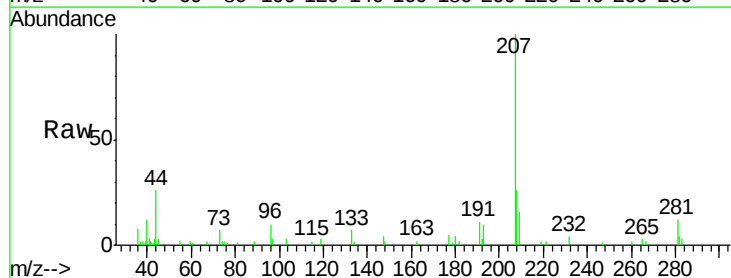
Tgt Ion:180 Resp: 310

Ion Ratio Lower Upper

180 100

182 210.6 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

