

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059231.D
 Acq On : 14 Nov 2019 14:15
 Operator : JC/SP
 Sample : K5843-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 06:30:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	499247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	771454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	680585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	258081	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	308553	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	7.57	113	245189	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
50) Toluene-d8	10.08	98	959807	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
62) 4-Bromofluorobenzene	12.40	95	319382	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds

						Qvalue
5) Bromomethane	2.55	94	860	0.225	ug/l #	74
9) 1,1,2-Trichlorotrifluoroet	3.73	101	11725	2.452	ug/l	96
11) Tert butyl alcohol	4.76	59	275	0.235	ug/l #	72
12) 1,1-Dichloroethene	3.71	96	4559	0.979	ug/l	94
13) Acrolein	3.60	56	203	0.337	ug/l	95
16) Acetone	3.80	43	11969	3.750	ug/l	95
17) Carbon Disulfide	4.03	76	3400	0.235	ug/l #	75
19) Methyl tert-butyl Ether	5.01	73	22653	1.413	ug/l	99
24) 1,1-Dichloroethane	5.83	63	2752	0.273	ug/l #	85
25) 2-Butanone	6.82	43	1886	0.448	ug/l #	50
27) cis-1,2-Dichloroethene	6.81	96	2786	0.480	ug/l	51
28) Bromochloromethane	7.35	49	2329	0.767	ug/l #	17
30) Chloroform	7.35	83	28827	2.978	ug/l	96
31) Cyclohexane	7.64	56	10300	1.078	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	36396	5.047	ug/l #	50
38) Carbon Tetrachloride	7.75	117	2708	0.377	ug/l #	77
42) 1,2-Dichloroethane	8.11	62	3478	0.467	ug/l	78
44) Trichloroethene	8.82	130	104596	19.595	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1785	0.247	ug/l #	71
56) Ethyl methacrylate	10.41	69	221	1.897	ug/l #	76
59) 2-Hexanone	10.75	43	1670	0.301	ug/l	97
60) Dibromochloromethane	10.63	129	121954	21.899	ug/l #	11
64) Tetrachloroethene	10.63	164	135877	29.361	ug/l	97
76) 1,2,3-Trichloropropane	12.40	75	153798	26.176	ug/l #	100
77) Bromobenzene	12.54	156	1903	0.403	ug/l #	11
81) trans-1,4-Dichloro-2-buten	12.40	75	153798	69.137	ug/l #	13
87) 1,3-Dichlorobenzene	13.29	146	1740	0.215	ug/l	82
88) 1,4-Dichlorobenzene	13.29	146	1740	0.215	ug/l	82
91) 1,2-Dichlorobenzene	13.66	146	1658	0.209	ug/l #	76
92) 1,2-Dibromo-3-Chloropropan	14.25	75	948	0.769	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	2878	3.607	ug/l #	90
94) Hexachlorobutadiene	15.00	225	648	0.237	ug/l	92
95) Naphthalene	15.13	128	12437	3.918	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.30	180	3073	0.690	ug/l #	27

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QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

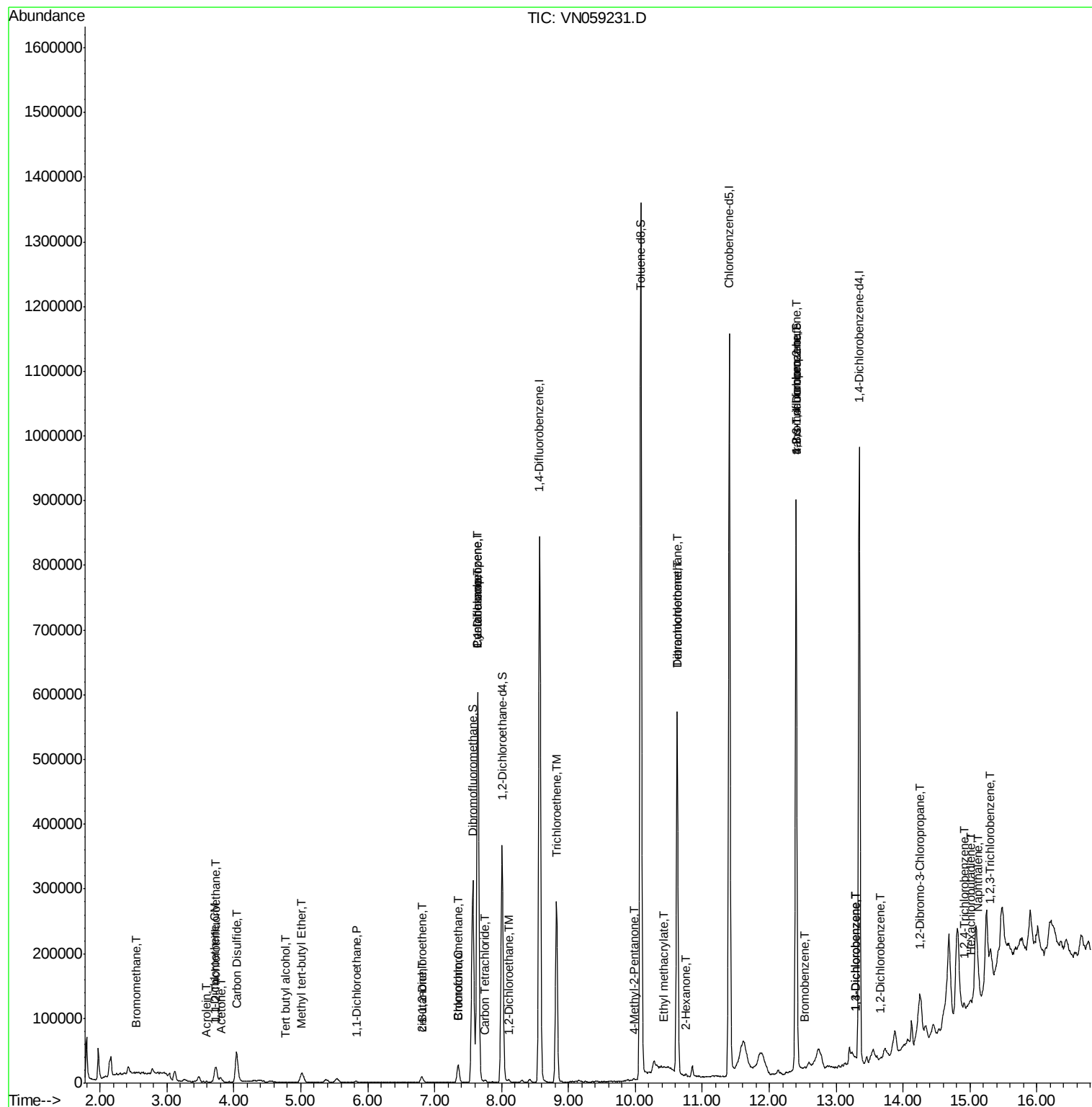
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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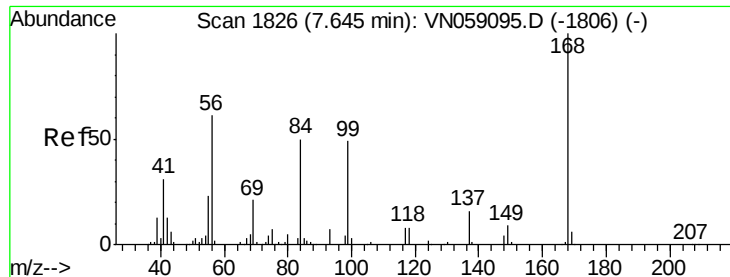
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

Instrument :

MSVOA_N

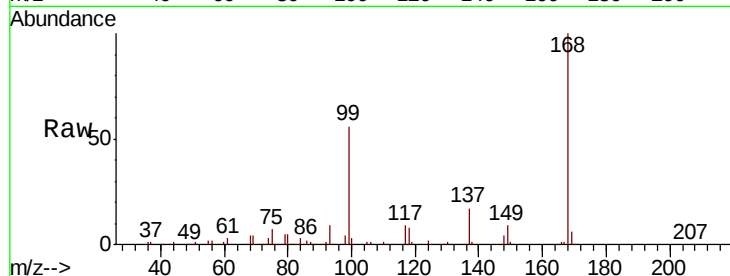
ClientSampleId :

Tot Ion:168 Resp: 499247

Ion Ratio Lower Upper

168 100

99 55.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059095.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN059095.D (-1806) (-)

7.64

250000

200000

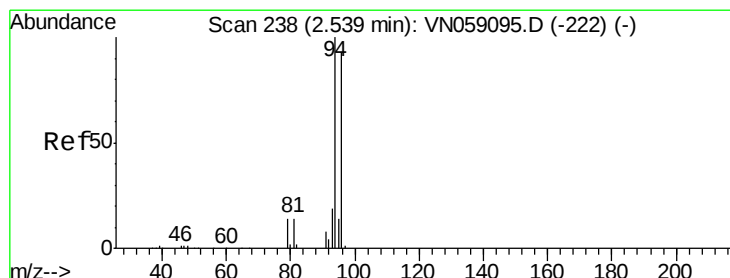
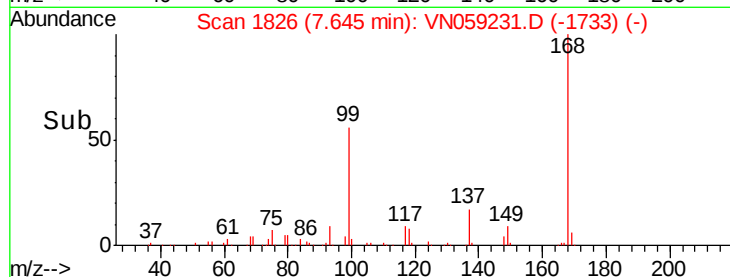
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.225 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059231.D

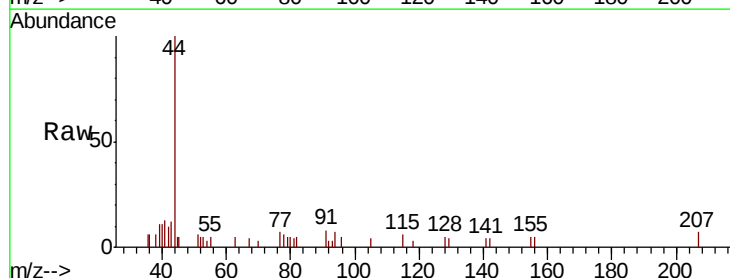
Acq: 14 Nov 2019 14:15

Tgt Ion: 94 Resp: 860

Ion Ratio Lower Upper

94 100

96 67.5 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VN059095.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN059095.D (-222) (-)

2.55

400

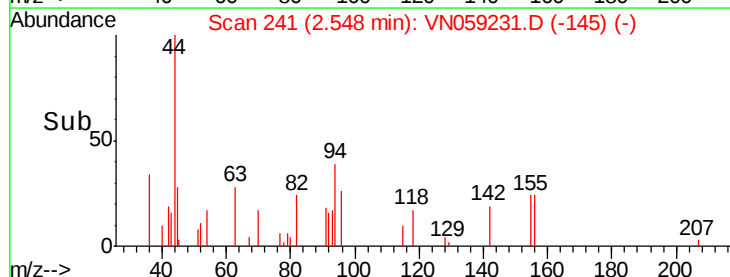
300

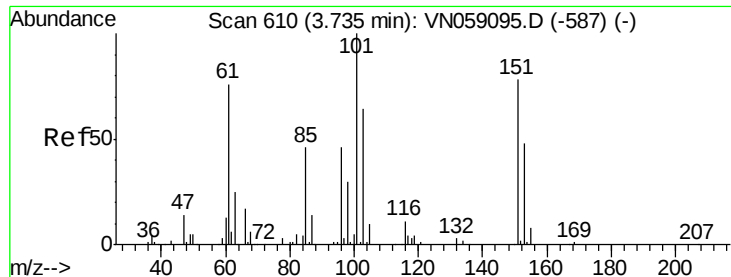
200

100

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.452 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampled :

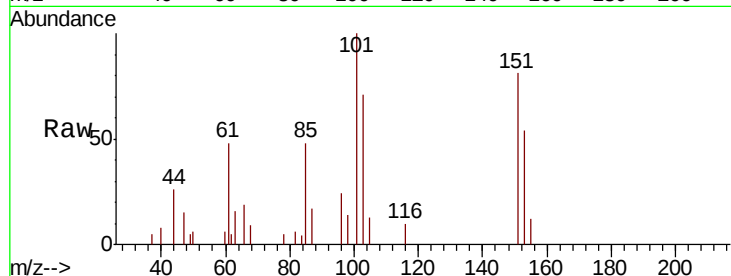
Tot Ion:101 Resp: 11725

Ion Ratio Lower Upper

101 100

85 45.4 35.5 53.3

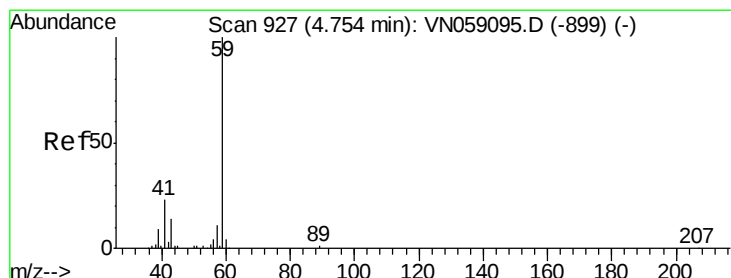
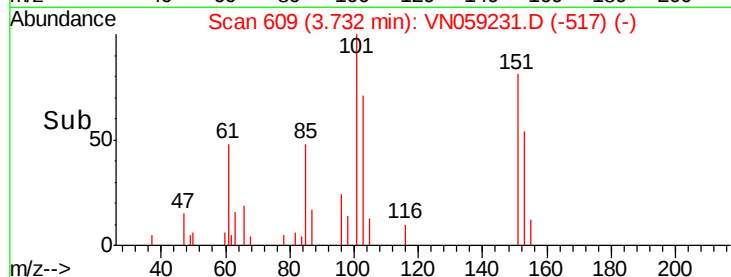
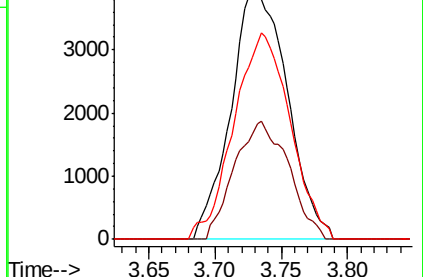
151 82.6 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.235 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.01 min

Lab File: VN059231.D

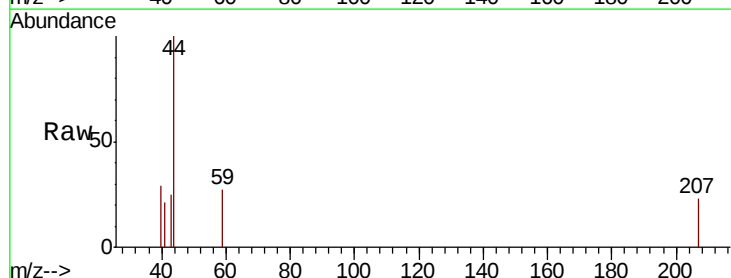
Acq: 14 Nov 2019 14:15

Tgt Ion: 59 Resp: 275

Ion Ratio Lower Upper

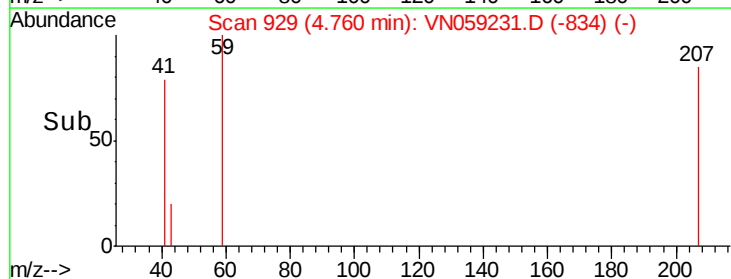
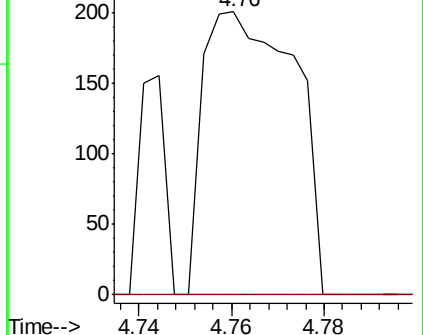
59 100

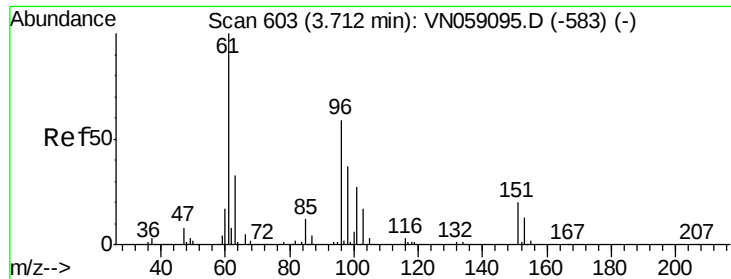
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

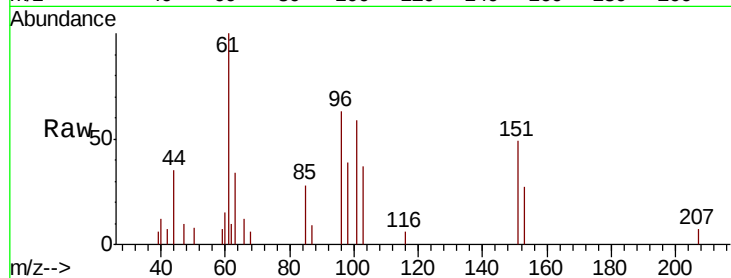




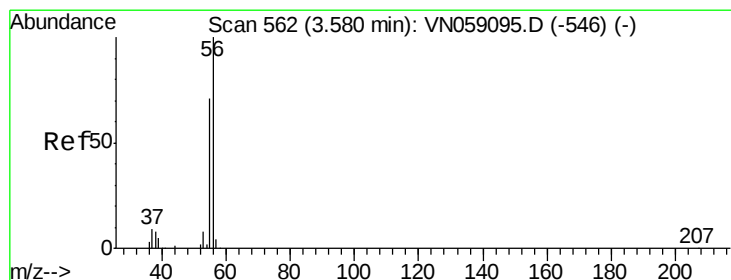
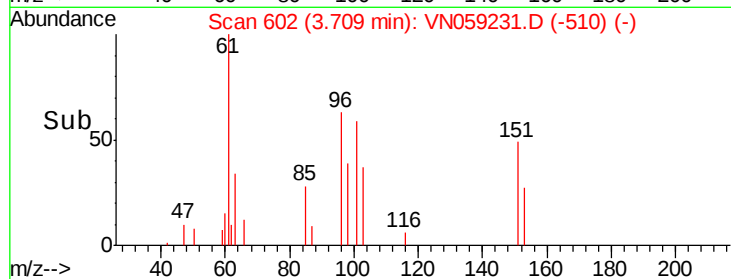
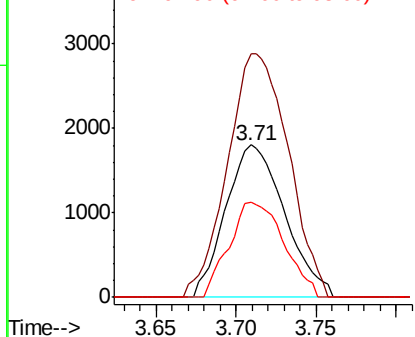
#12
 1,1-Dichloroethene
 Concen: 0.979 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN059231.D
 Acq: 14 Nov 2019 14:15

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 96 Resp: 4559
 Ion Ratio Lower Upper
 96 100
 61 160.0 136.5 204.7
 98 62.5 50.2 75.4

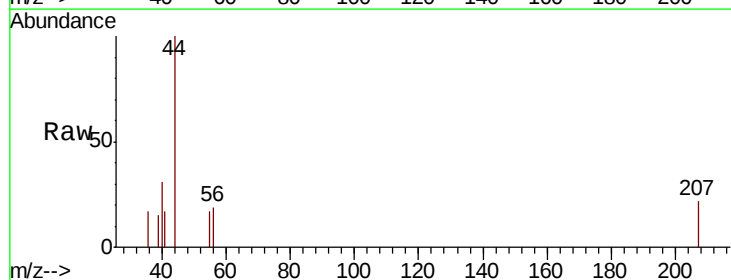


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

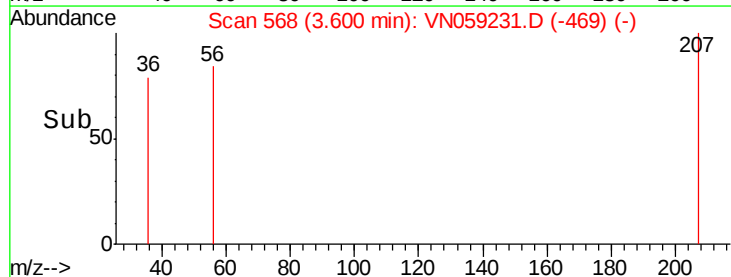
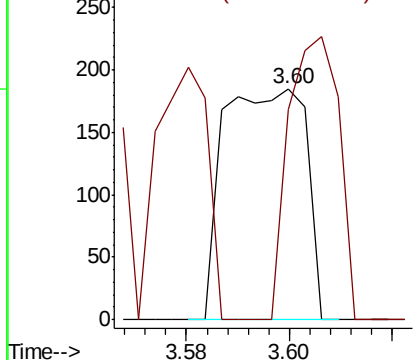


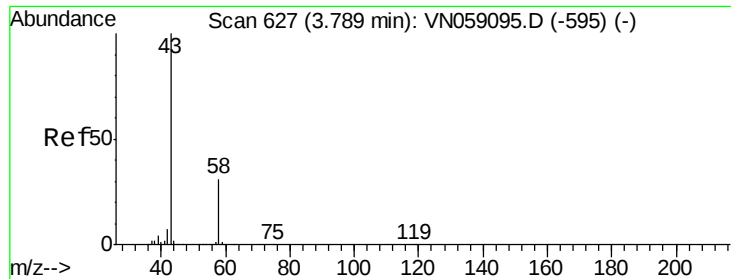
#13
 Acrolein
 Concen: 0.337 ug/l
 RT: 3.60 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: VN059231.D
 Acq: 14 Nov 2019 14:15

Tgt Ion: 56 Resp: 203
 Ion Ratio Lower Upper
 56 100
 55 74.9 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0
 Ion 55.00 (54.70 to 55.70): VN0

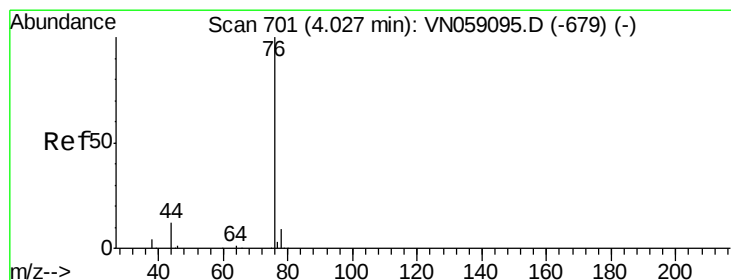
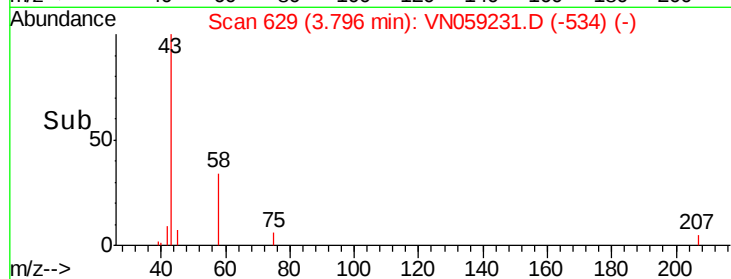
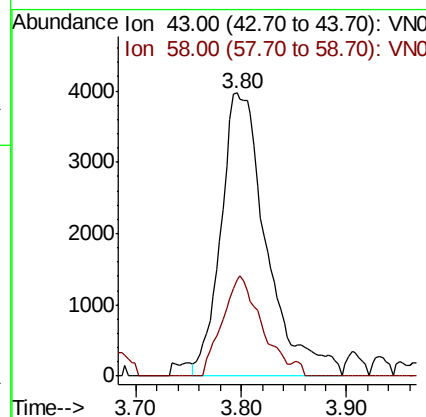
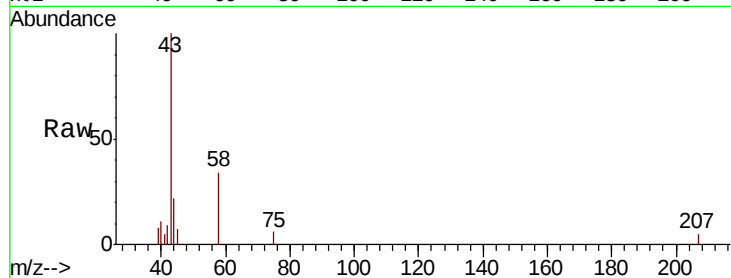




#16
Acetone
Concen: 3.750 ug/l
RT: 3.80 min Scan# 629
Delta R.T. 0.01 min
Lab File: VN059231.D
Acq: 14 Nov 2019 14:15

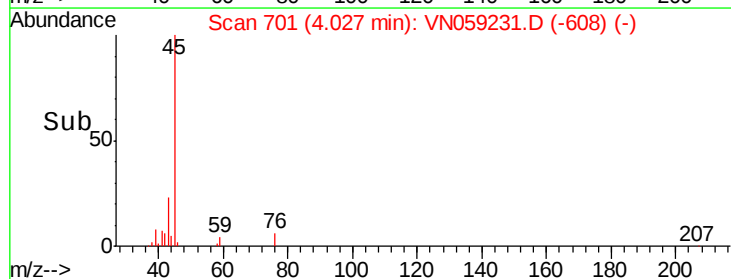
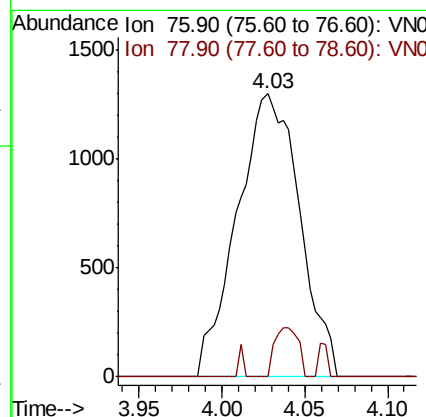
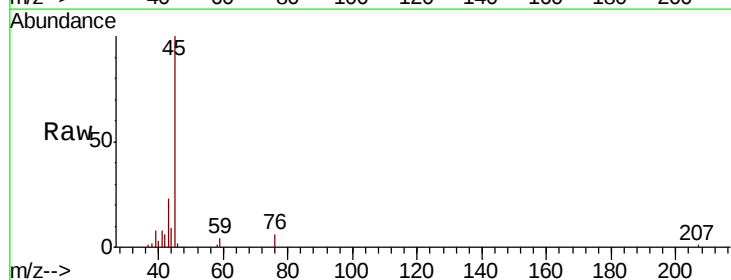
Instrument :
MSVOA_N
ClientSampled :

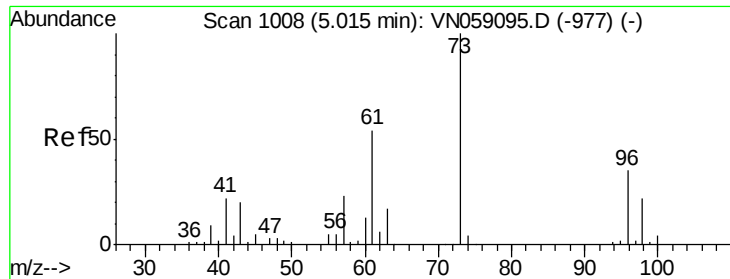
Tot Ion: 43 Resp: 11969
Ion Ratio Lower Upper
43 100
58 34.1 24.9 37.3



#17
Carbon Disulfide
Concen: 0.235 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059231.D
Acq: 14 Nov 2019 14:15

Tgt Ion: 76 Resp: 3400
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

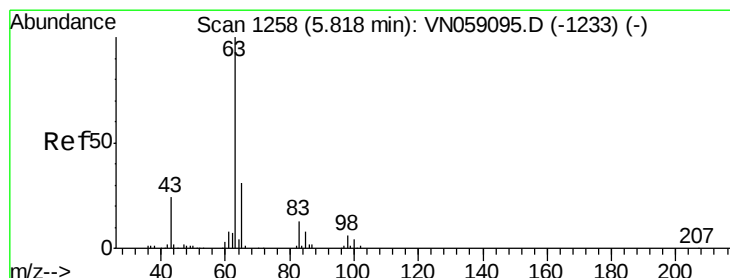
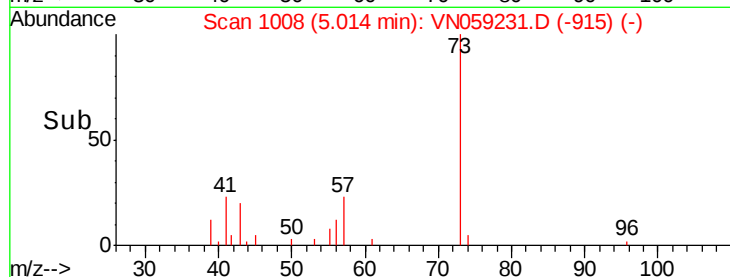
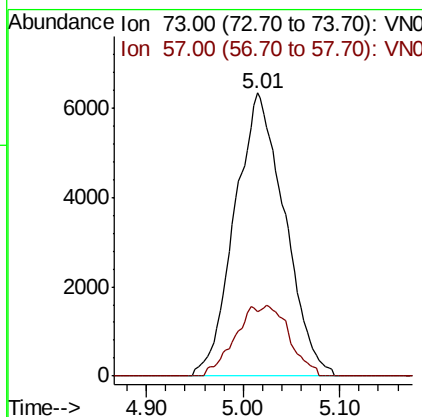
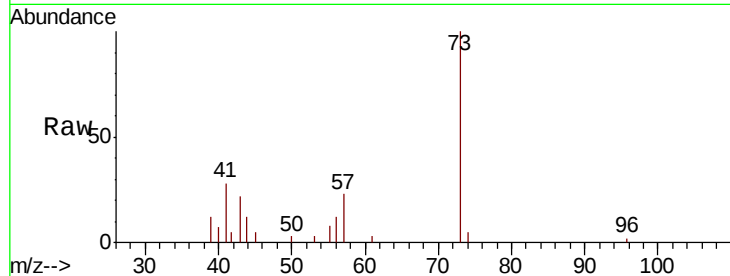




#19
Methvl tert-butvl Ether
Concen: 1.413 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059231.D
Acq: 14 Nov 2019 14:15

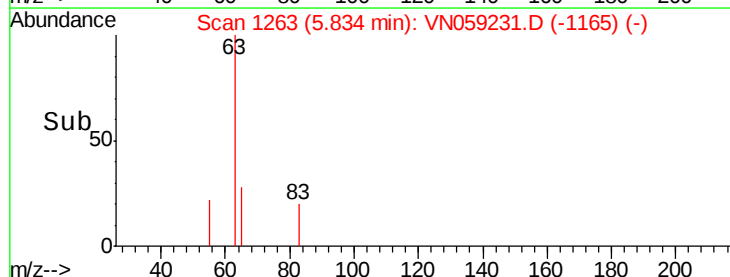
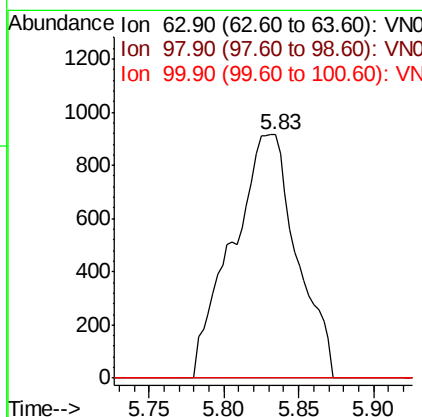
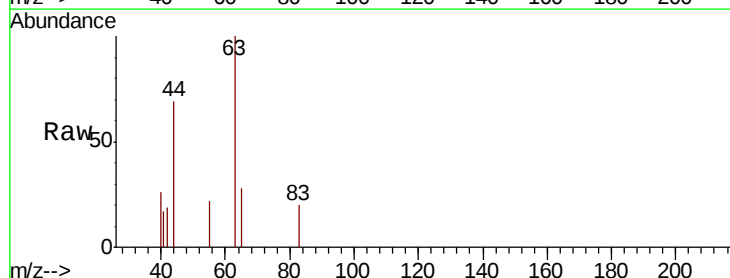
Instrument :
MSVOA_N
ClientSampled :

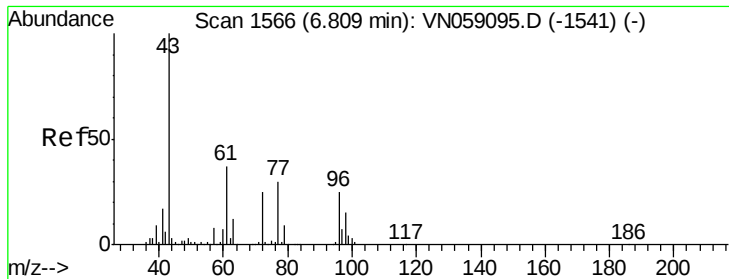
Tot Ion: 73 Resp: 22653
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6



#24
1,1-Dichloroethane
Concen: 0.273 ug/l
RT: 5.83 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VN059231.D
Acq: 14 Nov 2019 14:15

Tgt Ion: 63 Resp: 2752
Ion Ratio Lower Upper
63 100
98 0.0 2.8 8.4#
100 0.0 1.9 5.7#





#25

2-Butanone

Concen: 0.448 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.02 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

Instrument :

MSVOA_N

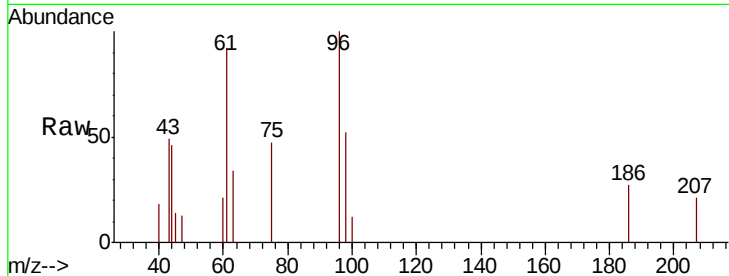
ClientSampled :

Tot Ion: 43 Resp: 1886

Ion Ratio Lower Upper

43 100

72 0.0 20.3 30.5#

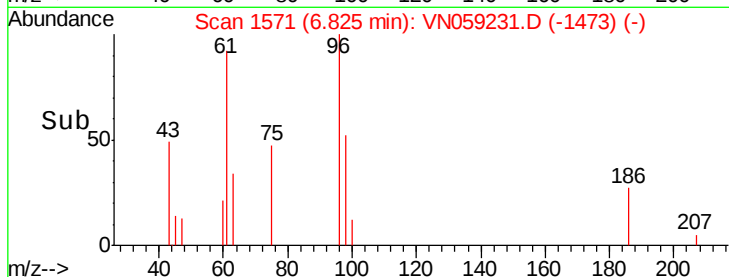


Abundance Ion 43.00 (42.70 to 43.70): VN0

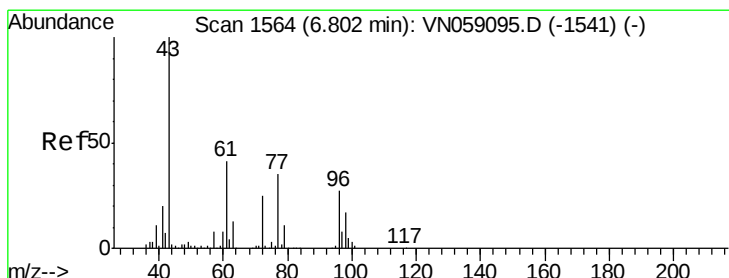
Ion 72.00 (71.70 to 72.70): VN0

6.82

6.85



Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.480 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

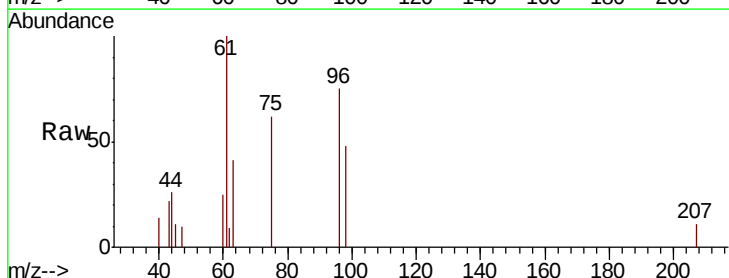
Tgt Ion: 96 Resp: 2786

Ion Ratio Lower Upper

96 100

61 217.0 0.0 311.6

98 105.8 0.0 129.8



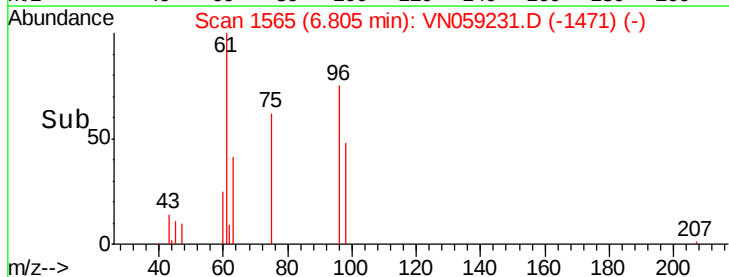
Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

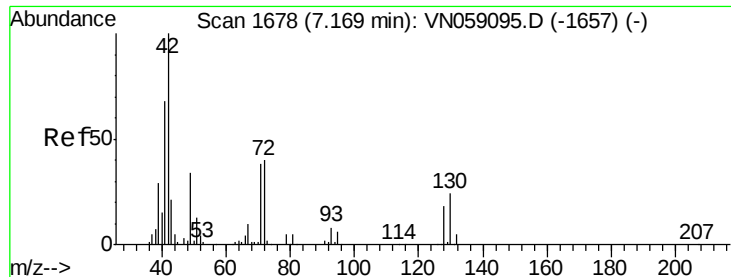
Ion 97.90 (97.60 to 98.60): VN0

6.81

6.82



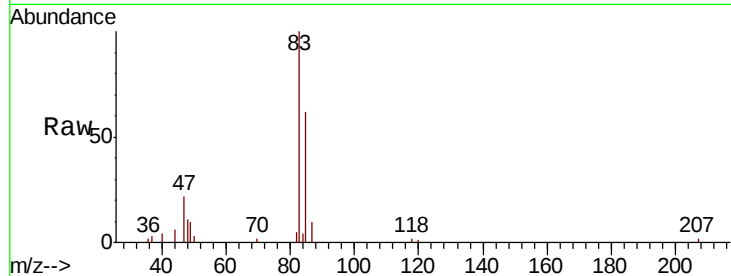
Time-->



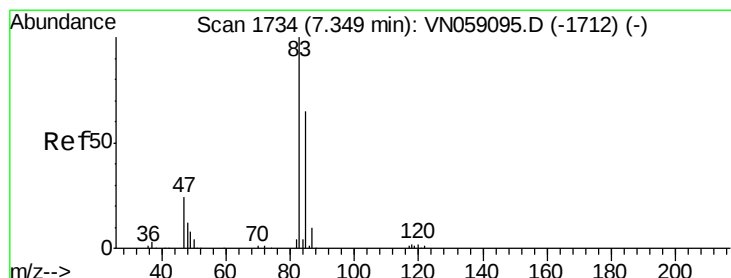
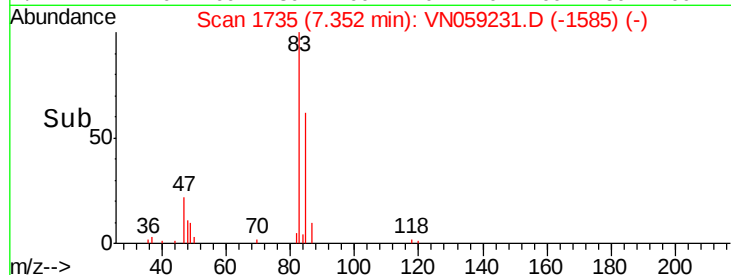
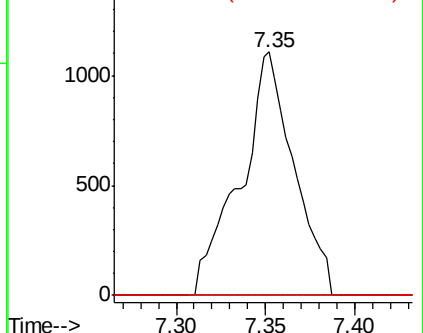
#28
Bromochloromethane
Concen: 0.767 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.18 min
Lab File: VN059231.D
Acq: 14 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 49 Resp: 2329
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 55.6 83.4#

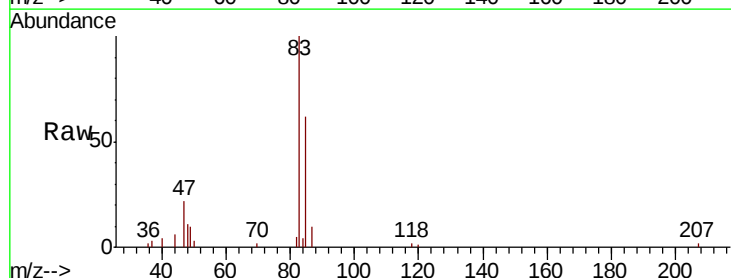


Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

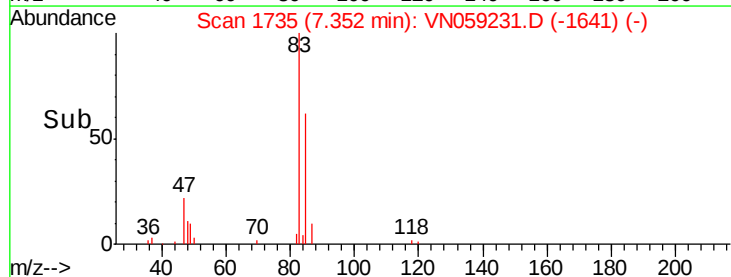
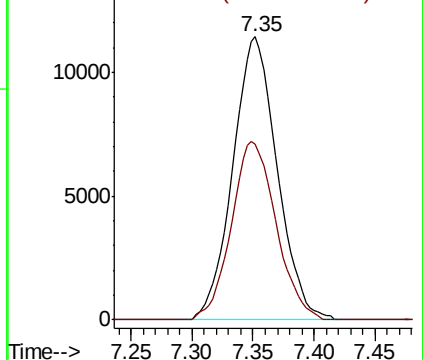


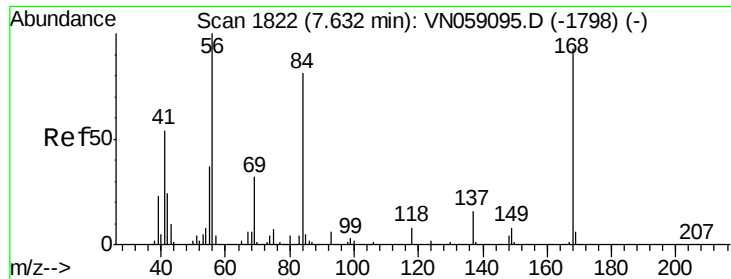
#30
Chloroform
Concen: 2.978 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059231.D
Acq: 14 Nov 2019 14:15

Tgt Ion: 83 Resp: 28827
Ion Ratio Lower Upper
83 100
85 61.9 51.8 77.8



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

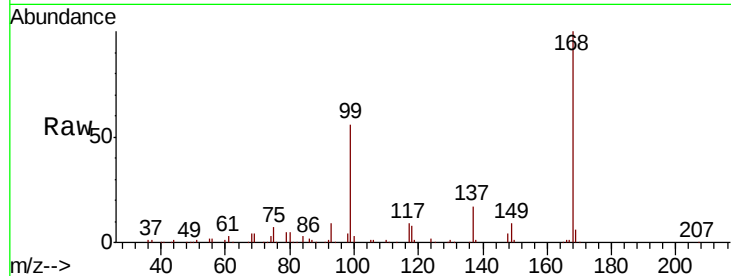




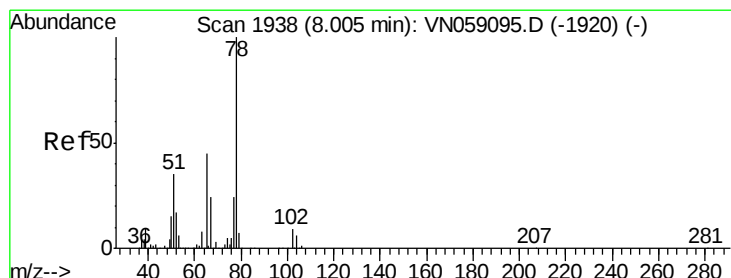
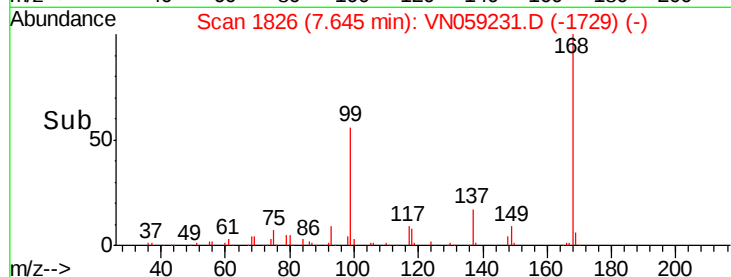
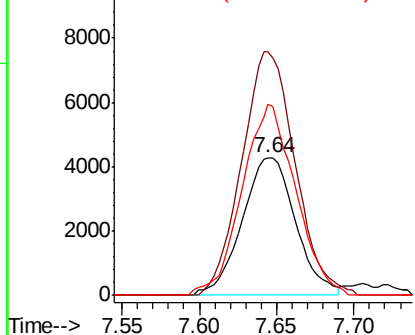
#31
Cyclohexane
Concen: 1.078 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059231.D
Acq: 14 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 10300
Ion Ratio Lower Upper
56 100
69 176.6 25.8 38.8#
84 138.2 65.0 97.4#

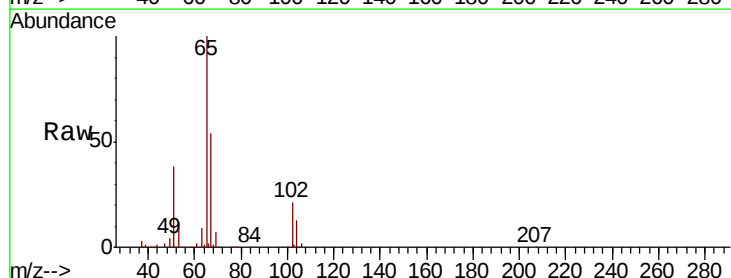


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

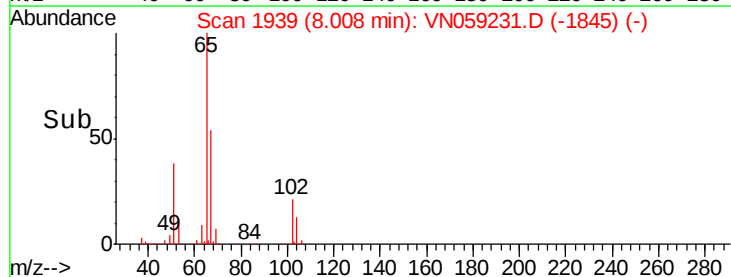
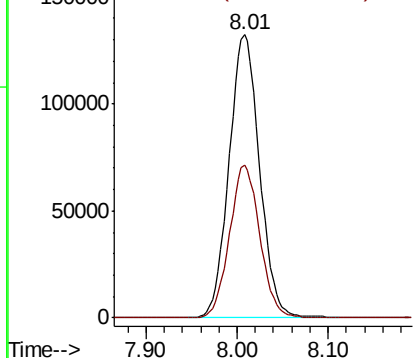


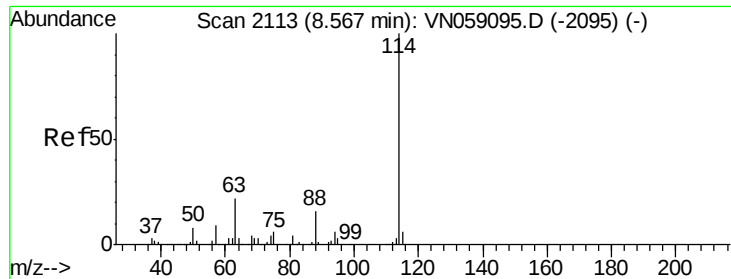
#33
1,2-Dichloroethane-d4
Concen: 50.277 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059231.D
Acq: 14 Nov 2019 14:15

Tgt Ion: 65 Resp: 308553
Ion Ratio Lower Upper
65 100
67 53.7 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :

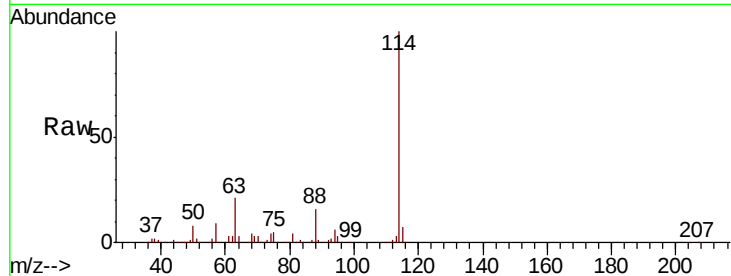
Tot Ion:114 Resp: 771454

Ion Ratio Lower Upper

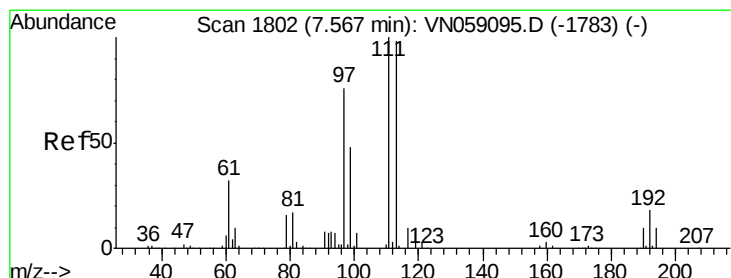
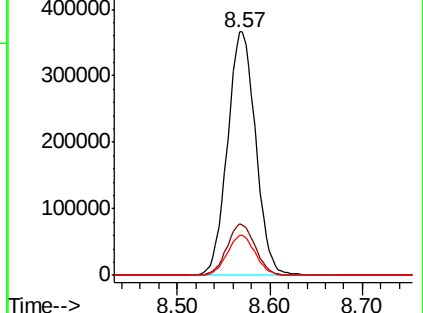
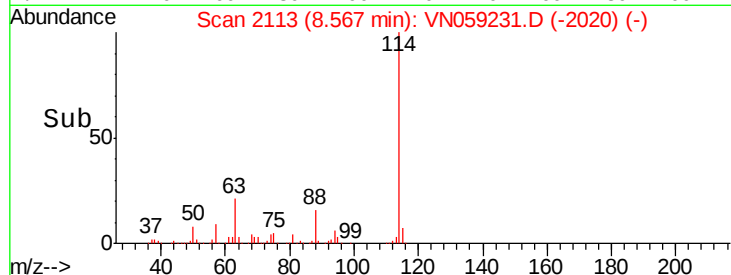
114 100

63 21.0 0.0 43.4

88 16.4 0.0 32.2



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: 53.229 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

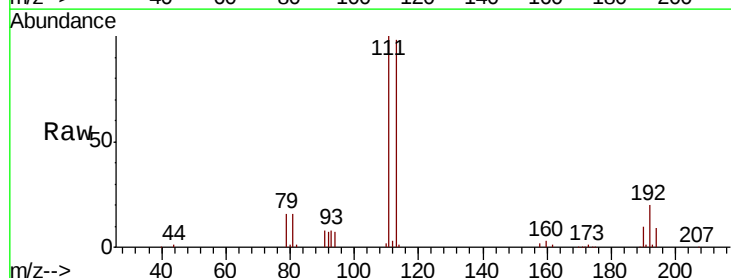
Tgt Ion:113 Resp: 245189

Ion Ratio Lower Upper

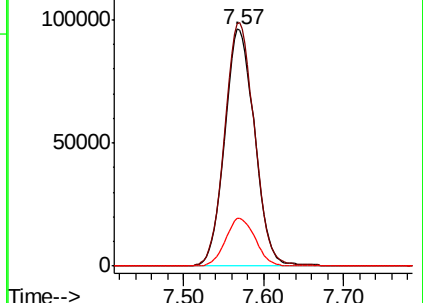
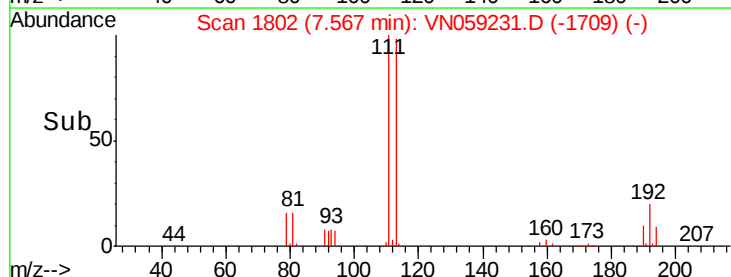
113 100

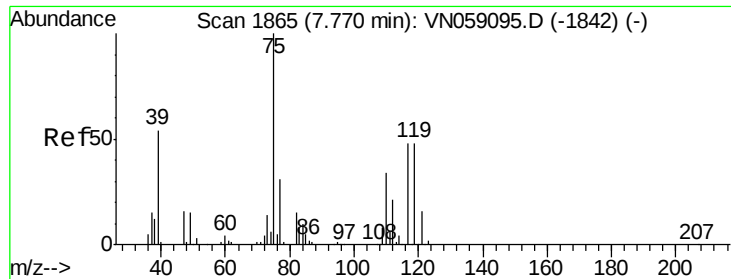
111 102.3 82.8 124.2

192 20.0 16.1 24.1



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

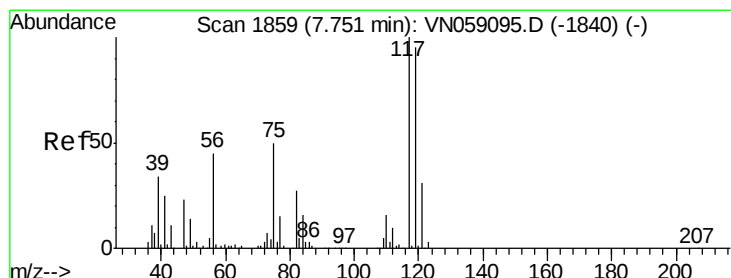
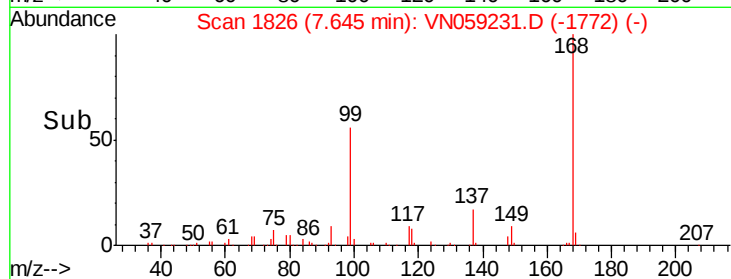
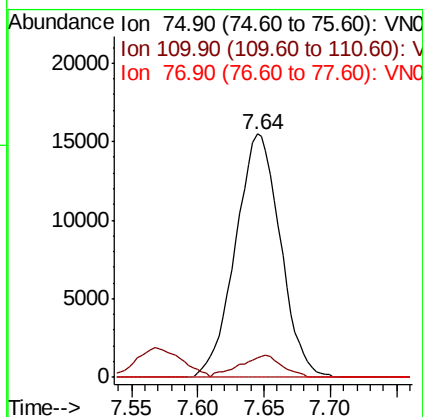
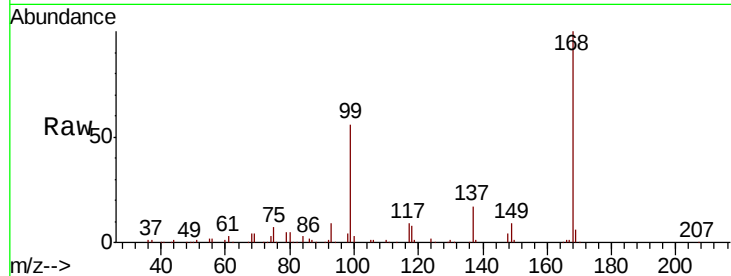




#36
 1,1-Dichloropropene
 Concen: 5.047 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059231.D
 Acq: 14 Nov 2019 14:15

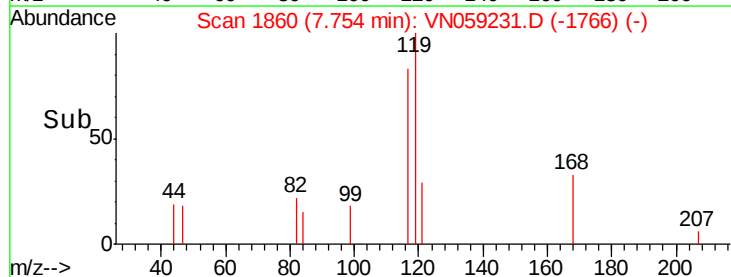
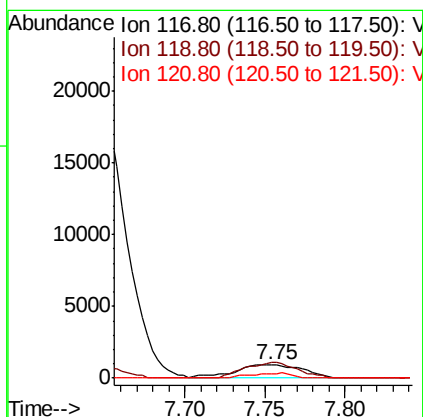
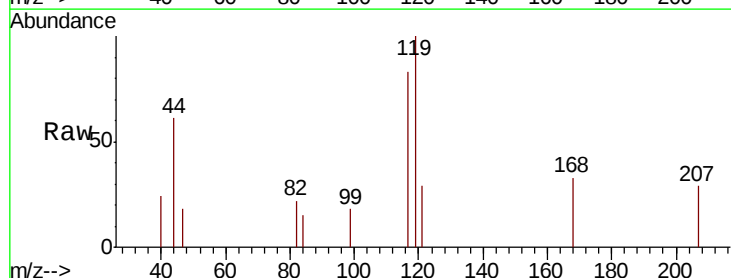
Instrument :
 MSVOA_N
 ClientSampled :

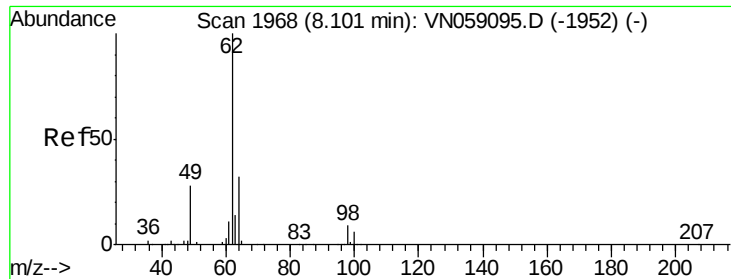
Tot Ion: 75 Resp: 36396
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.1 51.2#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 0.377 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN059231.D
 Acq: 14 Nov 2019 14:15

Tgt Ion: 117 Resp: 2708
 Ion Ratio Lower Upper
 117 100
 119 121.2 75.6 113.4#
 121 35.5 24.6 36.8





#42

1,2-Dichloroethane

Concen: 0.467 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. 0.01 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

Instrument :

MSVOA_N

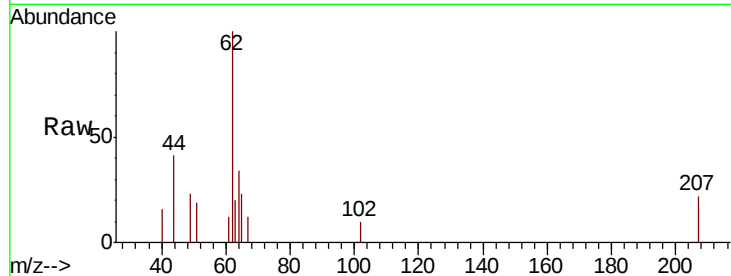
ClientSampled :

Tot Ion: 62 Resp: 3478

Ion Ratio Lower Upper

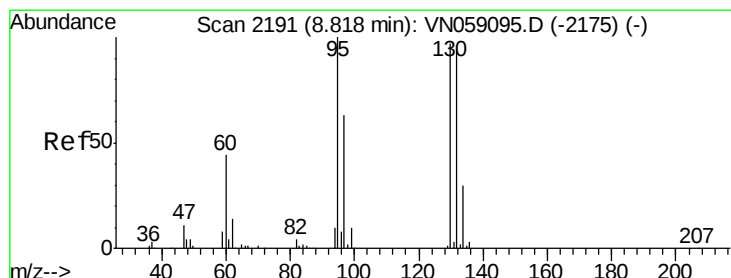
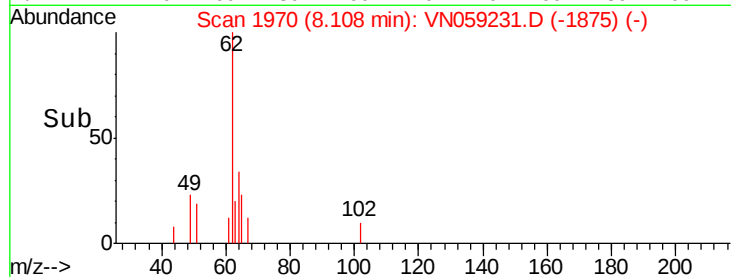
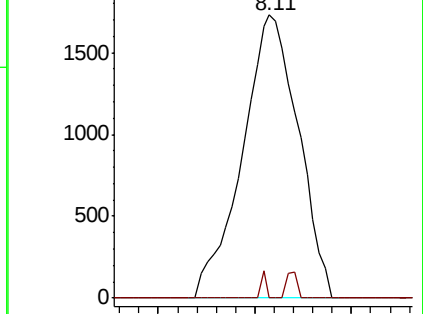
62 100

98 0.9 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VN059231.D (-1952) (-)

Ion 97.90 (97.60 to 98.60): VN059231.D (-1952) (-)



#44

Trichloroethene

Concen: 19.595 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059231.D

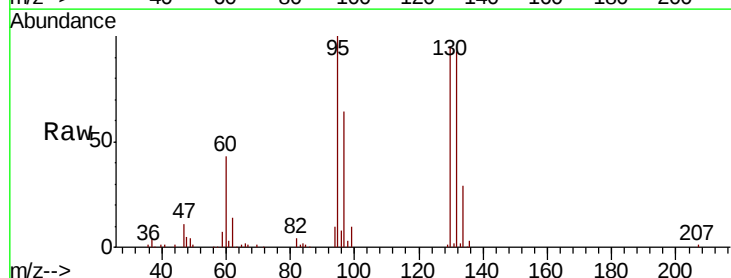
Acq: 14 Nov 2019 14:15

Tgt Ion:130 Resp: 104596

Ion Ratio Lower Upper

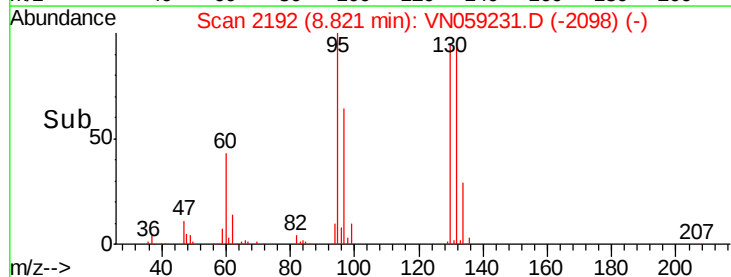
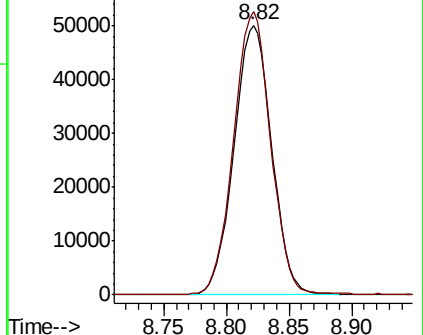
130 100

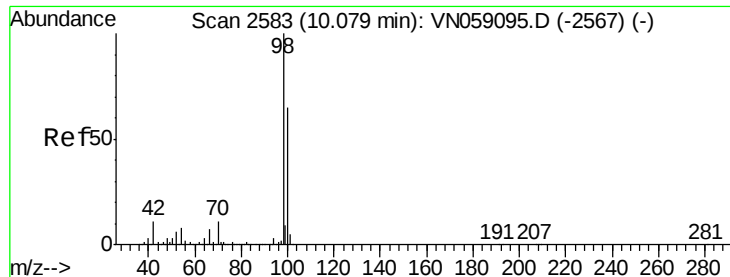
95 105.1 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059231.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059231.D (-2175) (-)

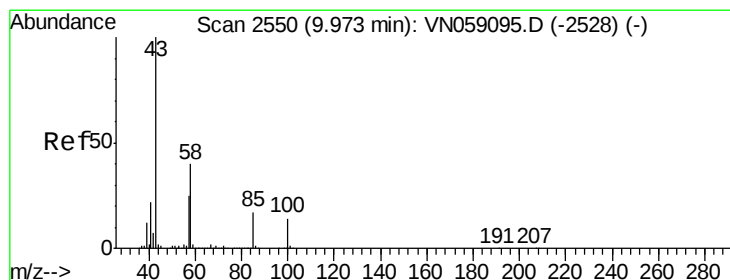
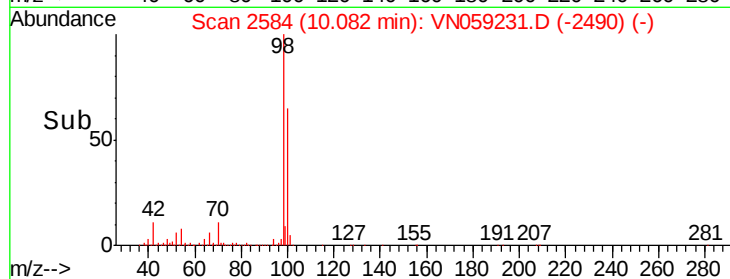
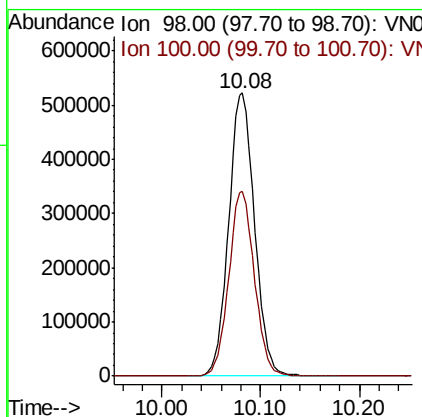
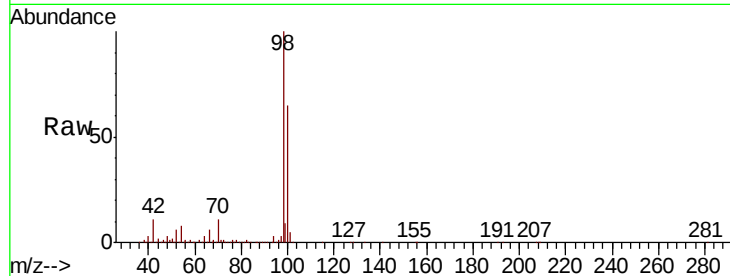




#50
Toluene-d8
Concen: 52.900 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059231.D
Acq: 14 Nov 2019 14:15

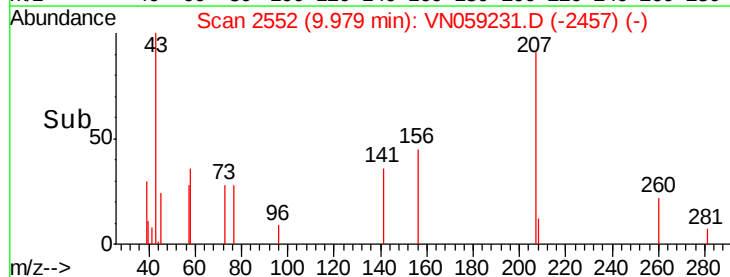
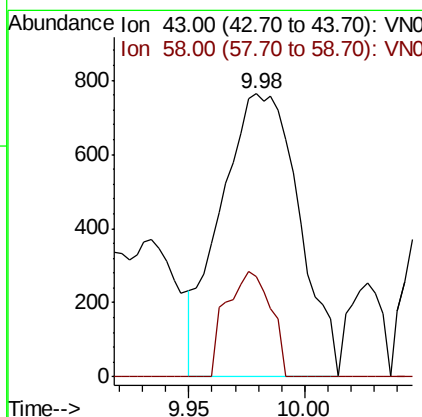
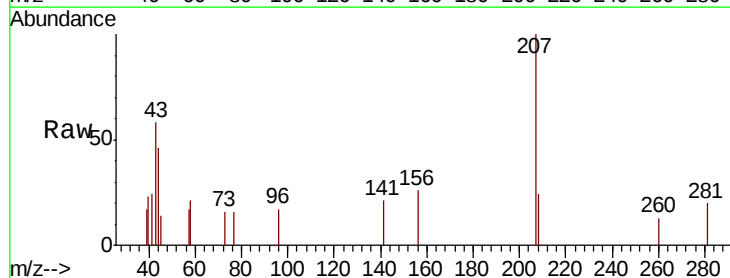
Instrument :
MSVOA_N
ClientSampled :

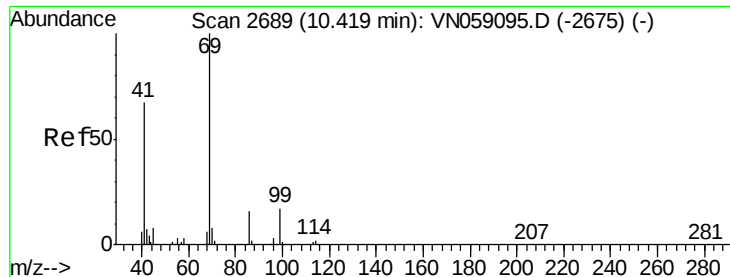
Tot Ion: 98 Resp: 959807
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.247 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.01 min
Lab File: VN059231.D
Acq: 14 Nov 2019 14:15

Tgt Ion: 43 Resp: 1785
Ion Ratio Lower Upper
43 100
58 21.3 31.5 47.3#





#56

Ethyl methacrylate

Concen: 1.897 ug/l

RT: 10.41 min Scan# 2686

Delta R.T. -0.01 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampled :

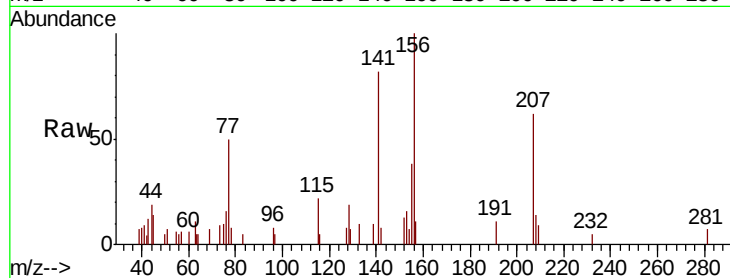
Tot Ion: 69 Resp: 221

Ion Ratio Lower Upper

69 100

41 41.2 53.6 80.4#

39 36.7 26.2 39.4



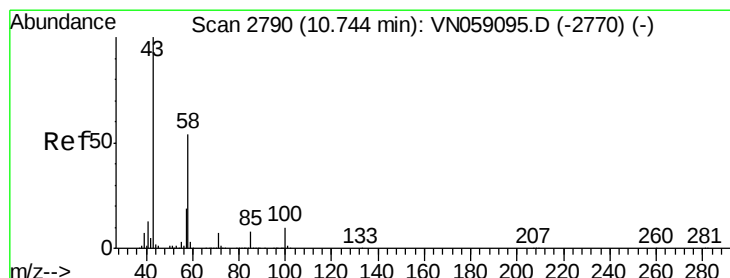
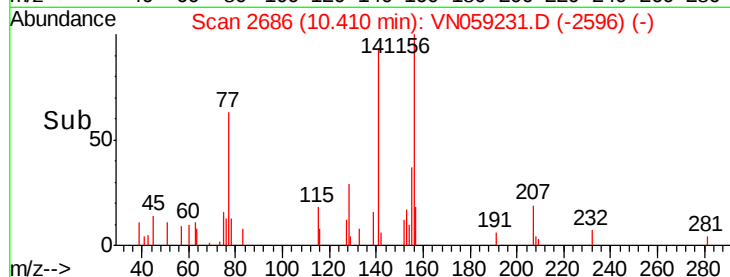
Abundance Ion 69.00 (68.70 to 69.70): VN059231.D (-2675) (-)

Ion 41.00 (40.70 to 41.70): VN059231.D (-2675) (-)

Ion 39.00 (38.70 to 39.70): VN059231.D (-2675) (-)

10.41

Time-->



#59

2-Hexanone

Concen: 0.301 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN059231.D

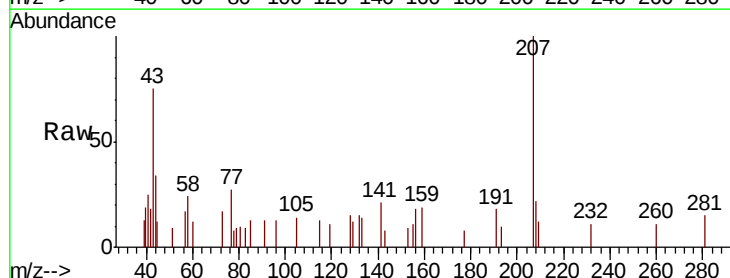
Acq: 14 Nov 2019 14:15

Tgt Ion: 43 Resp: 1670

Ion Ratio Lower Upper

43 100

58 56.6 27.3 81.8

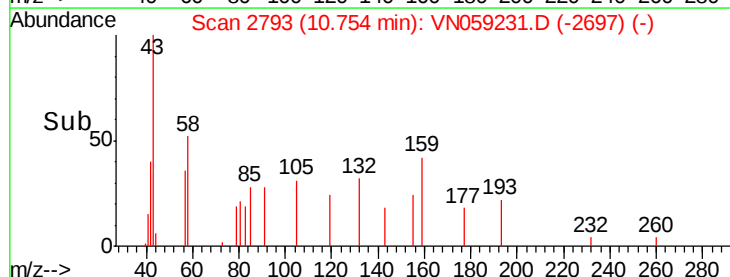


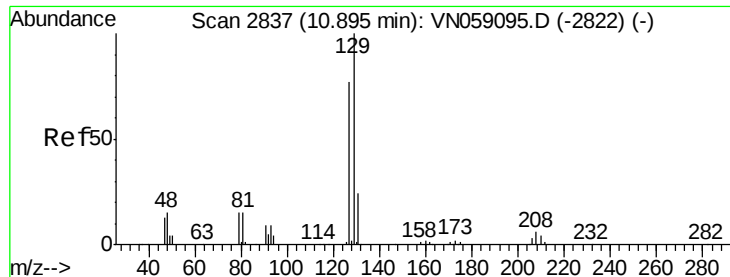
Abundance Ion 43.00 (42.70 to 43.70): VN059231.D (-2697) (-)

Ion 58.00 (57.70 to 58.70): VN059231.D (-2697) (-)

10.75

Time-->





#60

Dibromochloromethane

Concen: 21.899 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.27 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

Instrument :

MSVOA_N

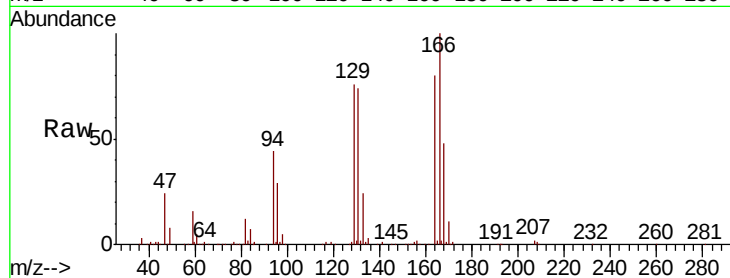
ClientSampleId :

Tot Ion:129 Resp: 121954

Ion Ratio Lower Upper

129 100

127 0.4 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

80000

60000

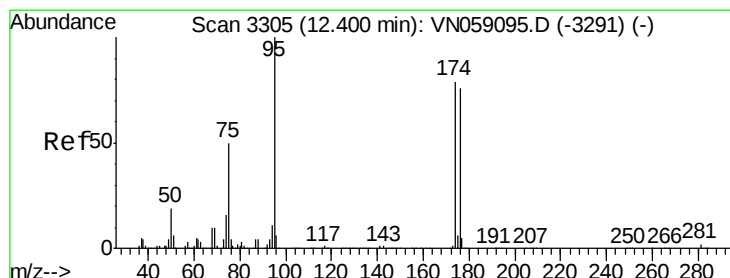
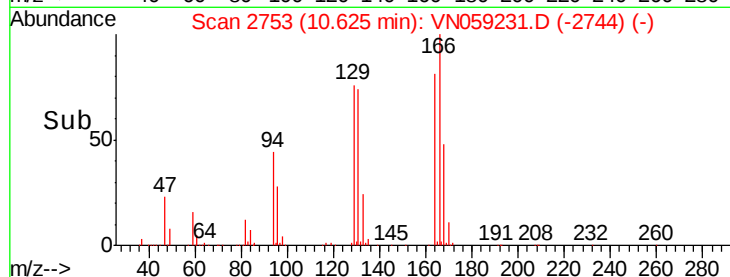
40000

20000

0

10.60 10.65 10.70

Time-->



#62

4-Bromofluorobenzene

Concen: 48.820 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

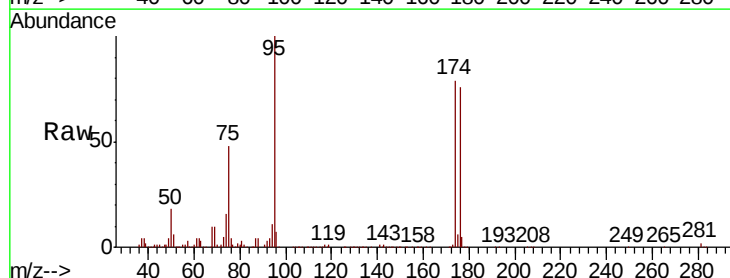
Tgt Ion: 95 Resp: 319382

Ion Ratio Lower Upper

95 100

174 78.8 0.0 158.2

176 76.0 0.0 151.8



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

250000

200000

150000

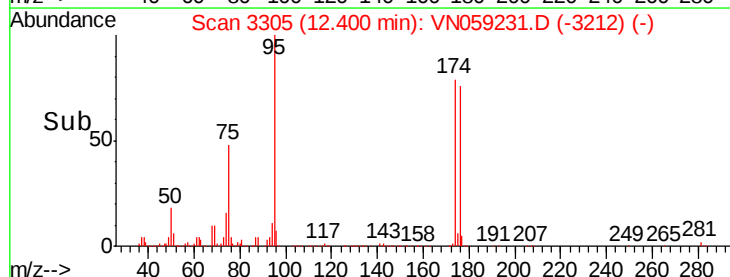
100000

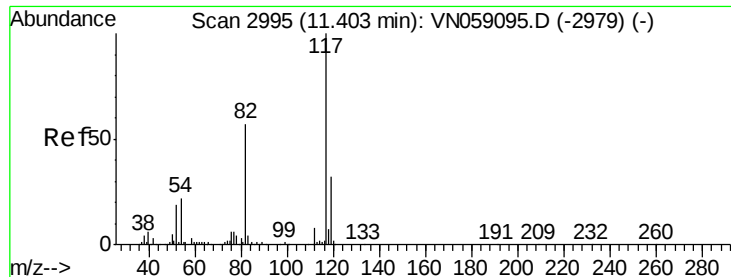
50000

0

12.30 12.40 12.50

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampled :

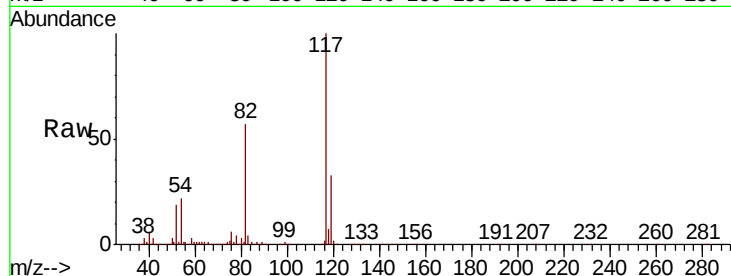
Tot Ion:117 Resp: 680585

Ion Ratio Lower Upper

117 100

82 57.4 45.8 68.8

119 32.7 25.8 38.6

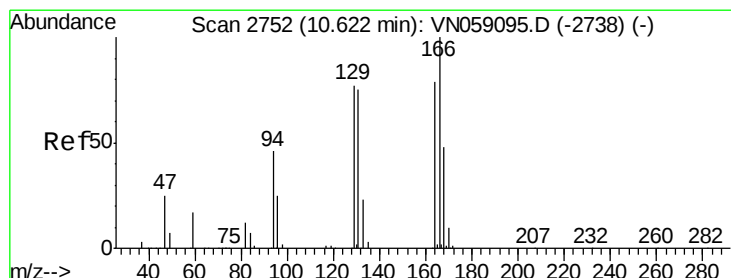
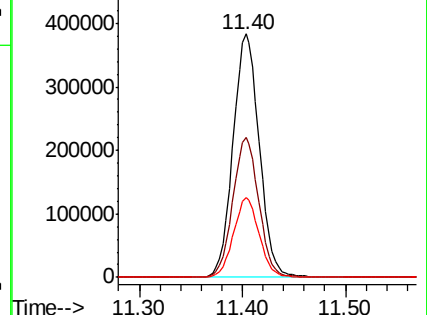
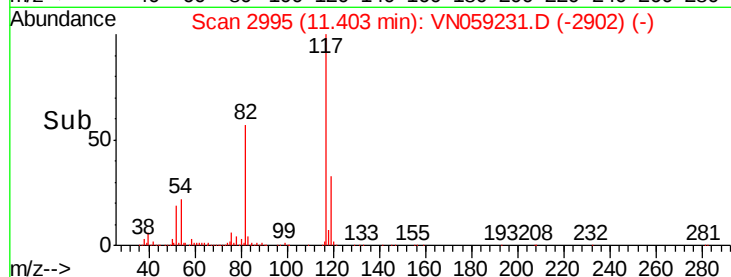


Abundance

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: 29.361 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

Tgt Ion:164 Resp: 135877

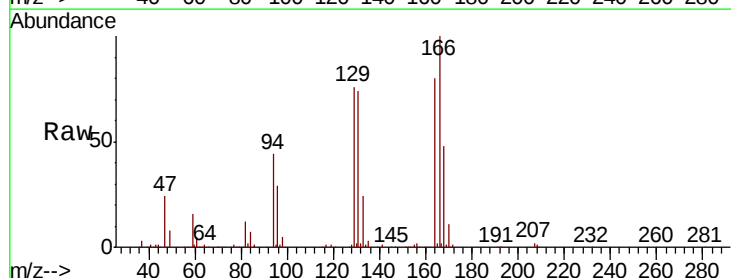
Ion Ratio Lower Upper

164 100

166 124.6 101.5 152.3

129 94.5 78.3 117.5

131 92.1 75.9 113.9



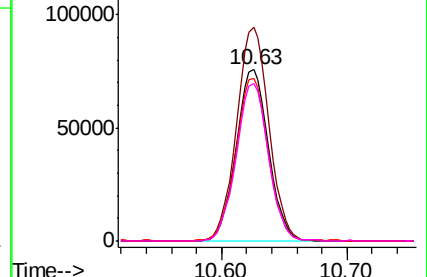
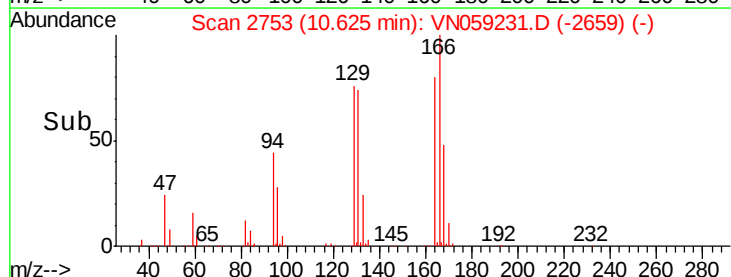
Abundance

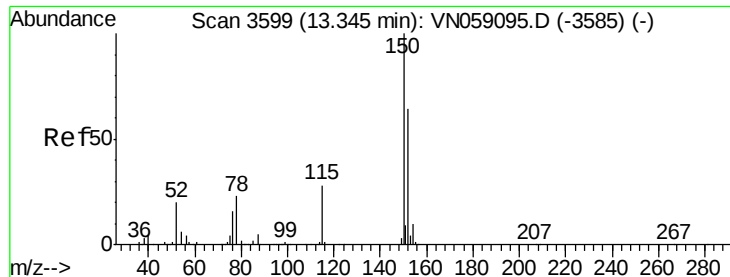
Ion 163.80 (163.50 to 164.50): V

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



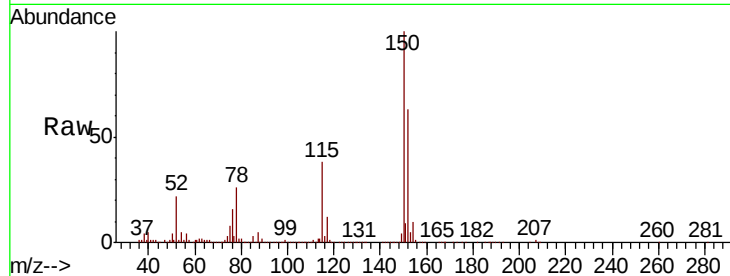


#72

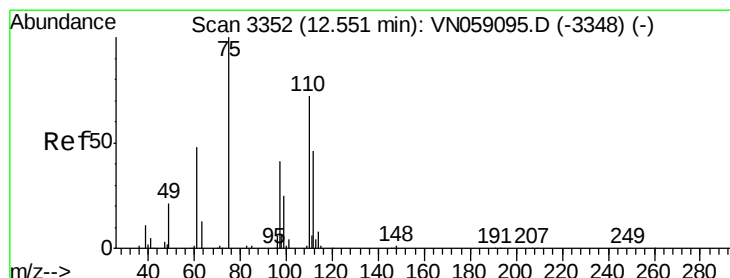
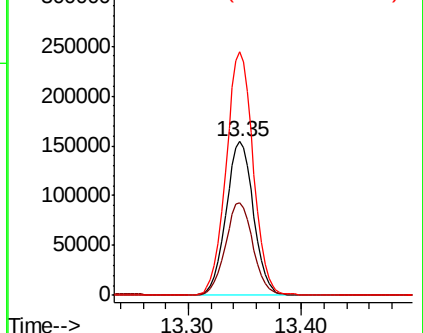
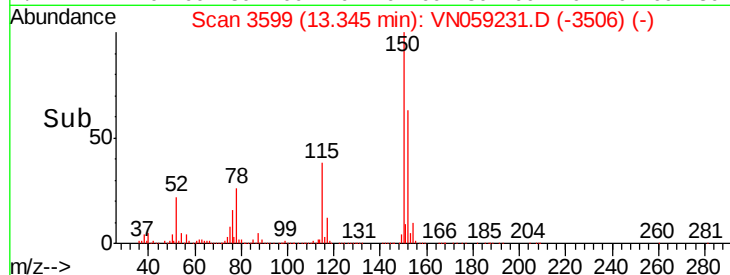
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059231.D
Acq: 14 Nov 2019 14:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 258081
Ion Ratio Lower Upper
152 100
115 60.0 29.4 88.2
150 158.0 0.0 345.8



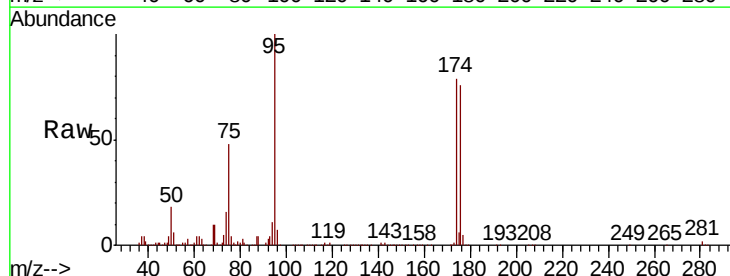
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



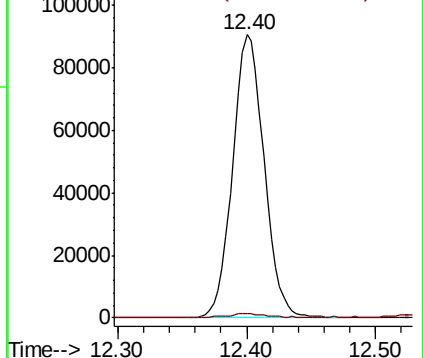
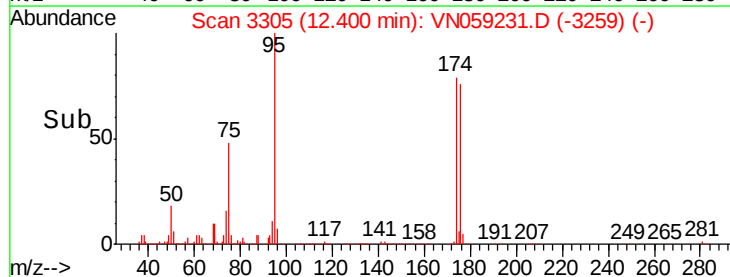
#76

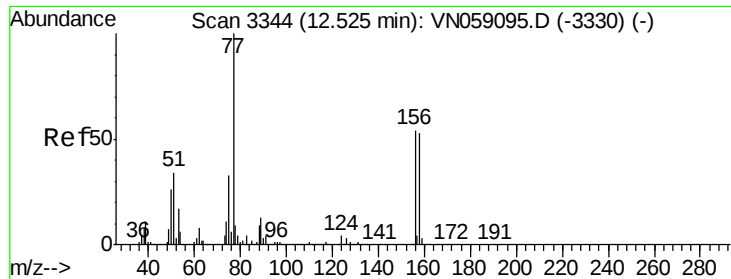
1,2,3-Trichloropropane
Concen: 26.176 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN059231.D
Acq: 14 Nov 2019 14:15

Tgt Ion: 75 Resp: 153798
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



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





#77

Bromobenzene

Concen: 0.403 ug/l

RT: 12.54 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

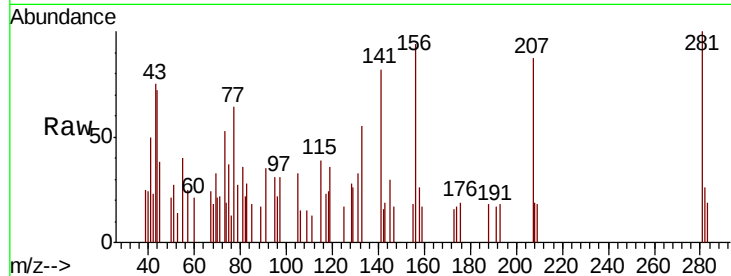
Tot Ion:156 Resp: 1903

Ion Ratio Lower Upper

156 100

77 62.0 112.8 338.3#

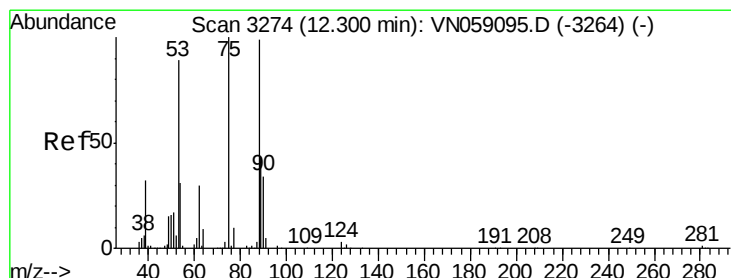
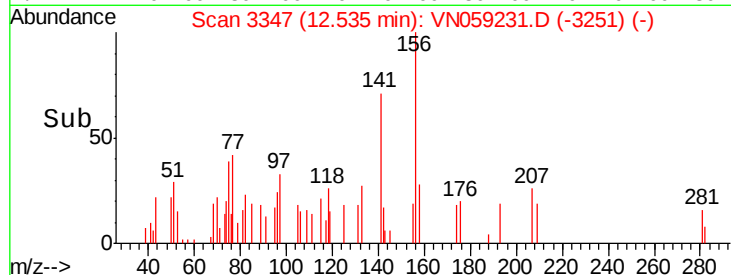
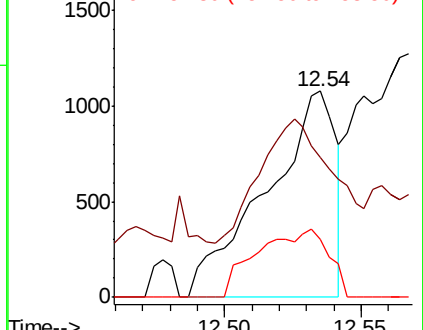
158 33.9 48.4 145.3#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 69.137 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

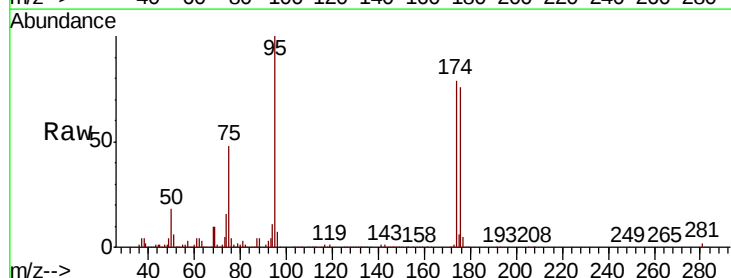
Tgt Ion: 75 Resp: 153798

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

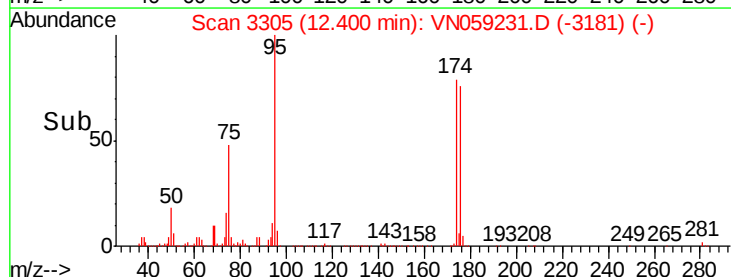
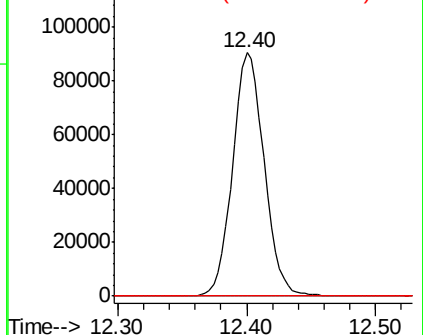
89 0.0 35.8 53.8#

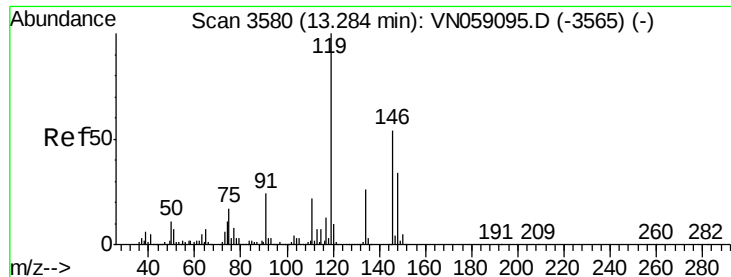


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#87

1,3-Dichlorobenzene

Concen: 0.215 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampled :

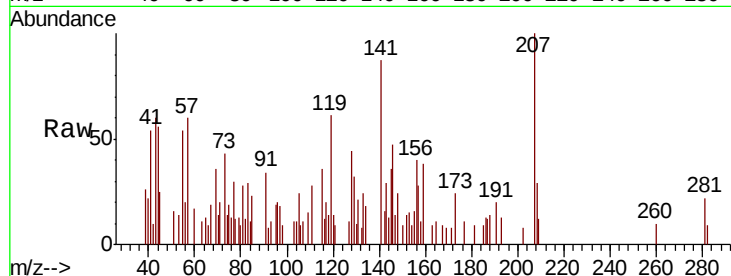
Tot Ion:146 Resp: 1740

Ion Ratio Lower Upper

146 100

111 32.6 20.4 61.3

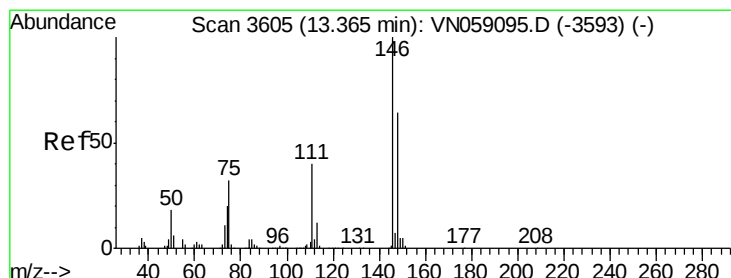
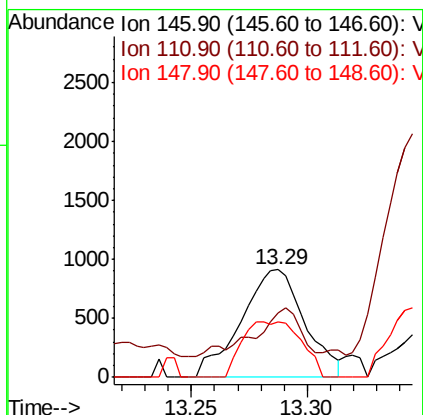
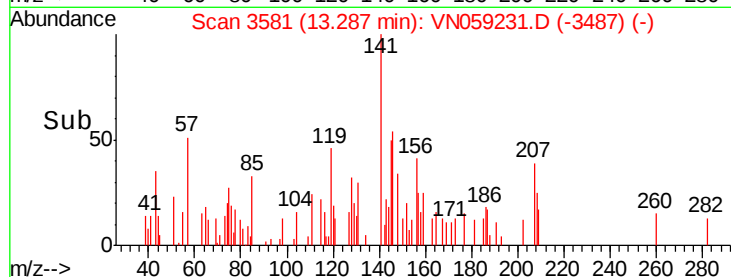
148 47.5 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 0.215 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.08 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

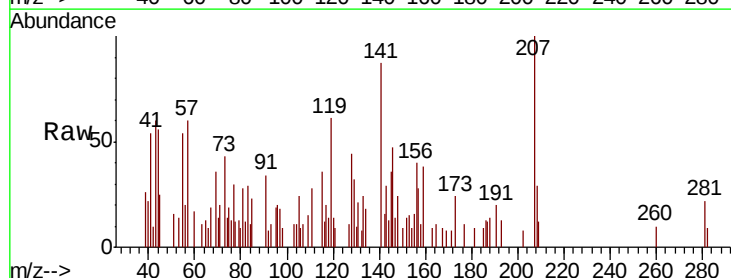
Tgt Ion:146 Resp: 1740

Ion Ratio Lower Upper

146 100

111 32.6 20.3 60.9

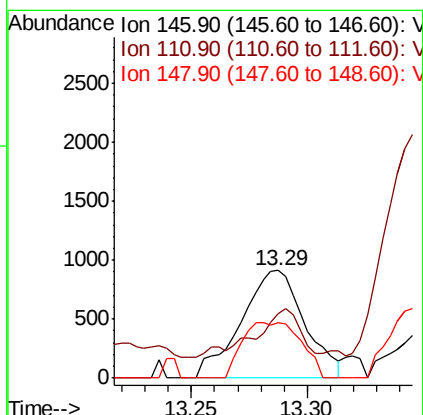
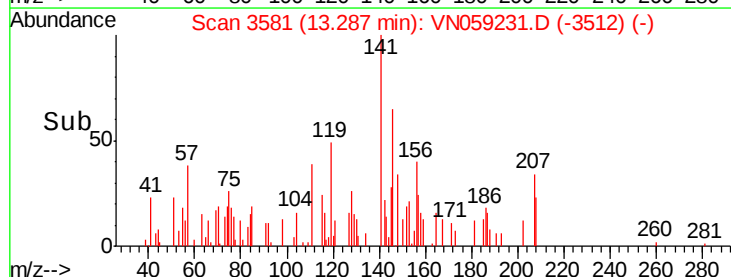
148 47.5 31.9 95.7

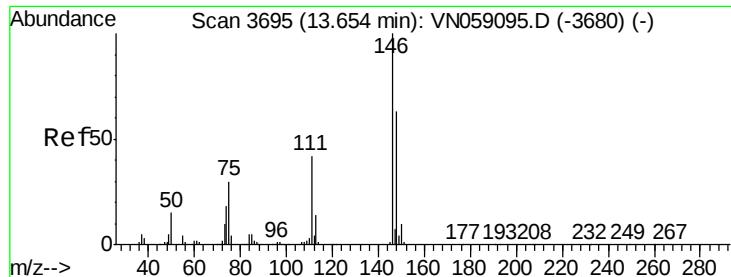


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 0.209 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059231.D

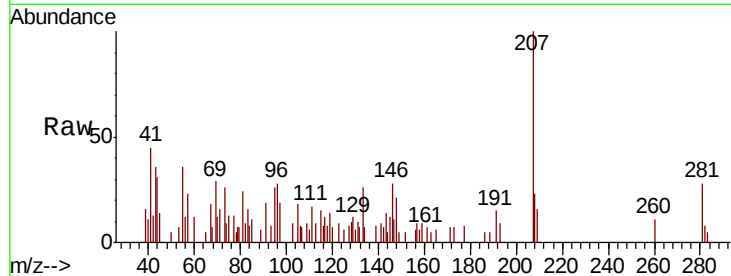
Acq: 14 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	1658
Ion	Ratio	Lower	Upper
146	100		
111	6.2	21.2	63.6#
148	64.3	31.6	94.7

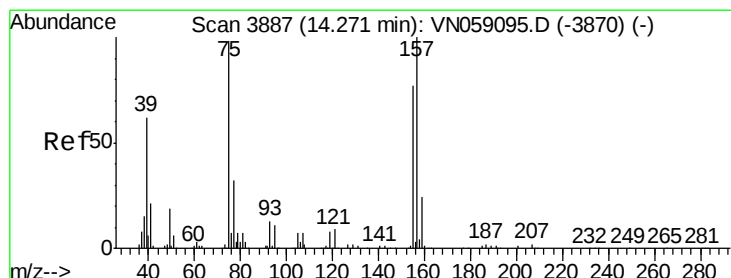
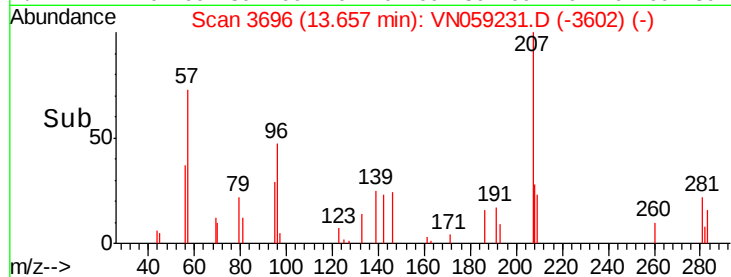
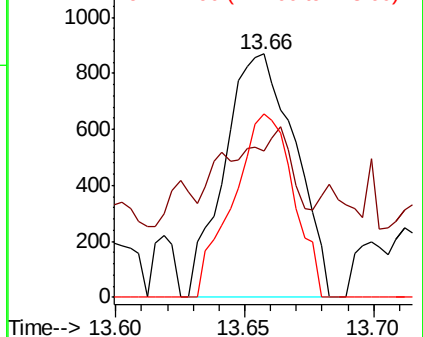


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.769 ug/l

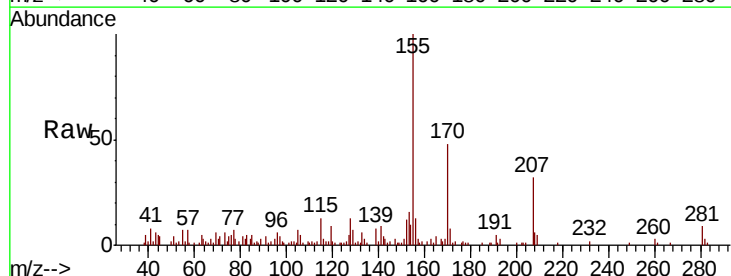
RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

Tgt Ion:	75	Resp:	948
Ion	Ratio	Lower	Upper
75	100		
155	10220.8	40.2	120.6#
157	101.1	51.8	155.5

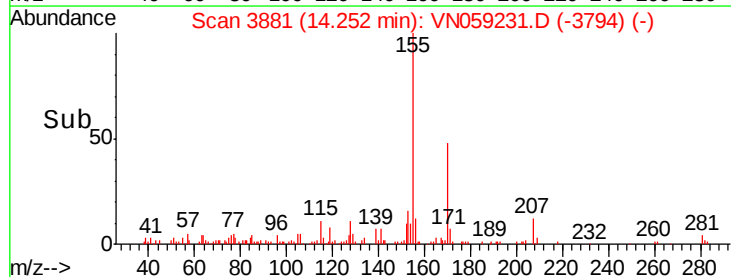
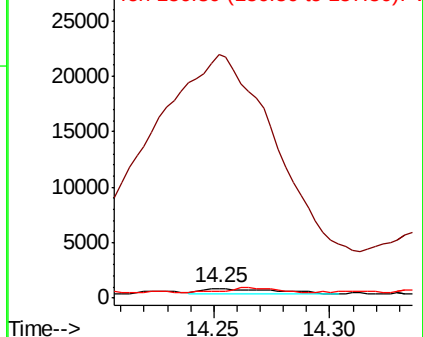


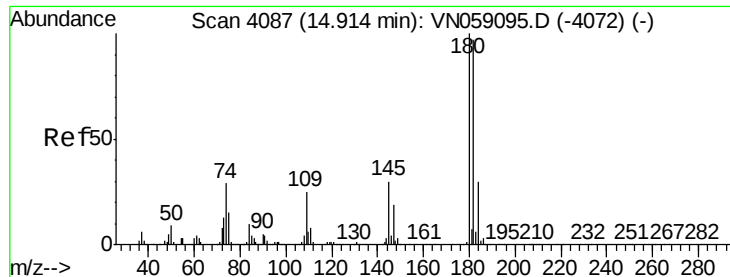
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

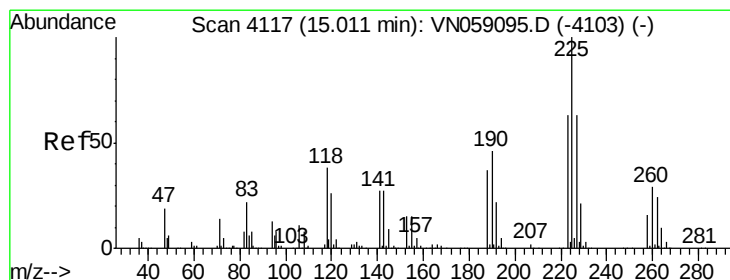
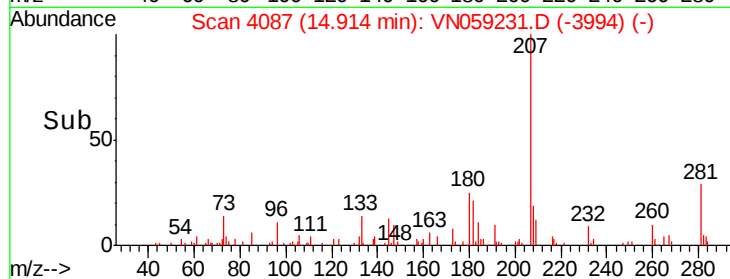
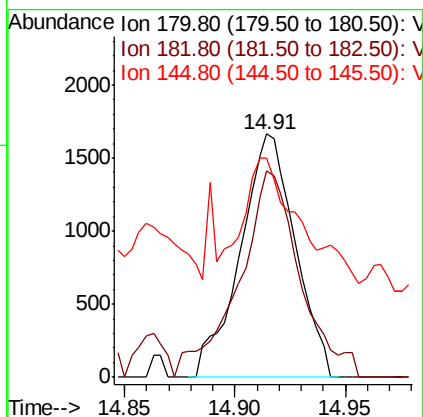
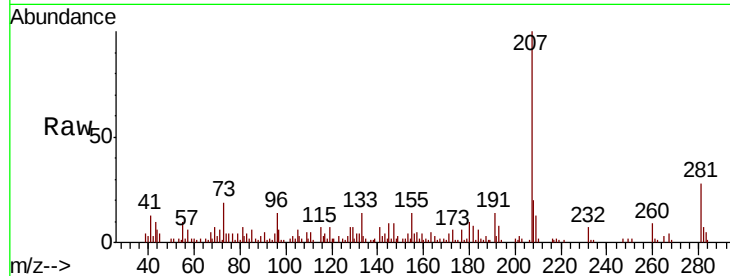




#93
 1,2,4-Trichlorobenzene
 Concen: 3.607 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059231.D
 Acq: 14 Nov 2019 14:15

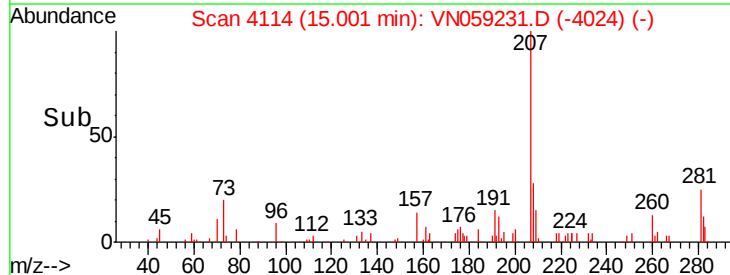
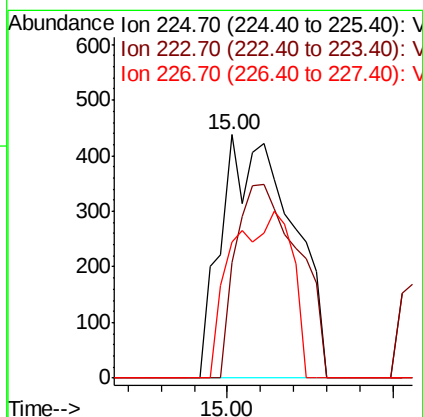
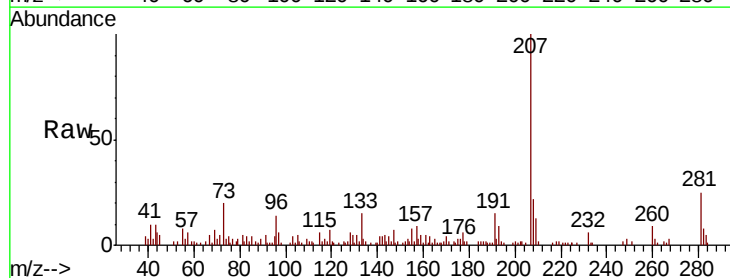
Instrument :
 MSVOA_N
 ClientSampleId :

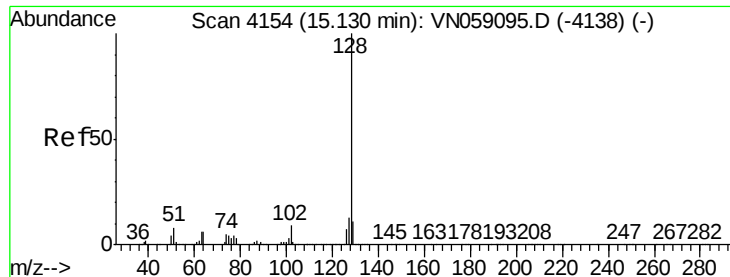
Tot Ion:180 Resp: 2878
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.1 144.3
 145 51.0 15.1 45.3#



#94
 Hexachlorobutadiene
 Concen: 0.237 ug/l
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.01 min
 Lab File: VN059231.D
 Acq: 14 Nov 2019 14:15

Tgt Ion:225 Resp: 648
 Ion Ratio Lower Upper
 225 100
 223 70.8 31.3 93.9
 227 58.5 31.5 94.5





#95

Naphthalene

Concen: 3.918 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

Instrument :

MSVOA_N

ClientSampled :

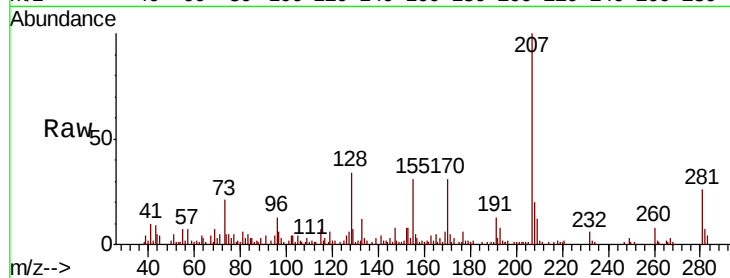
Tot Ion:128 Resp: 12437

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

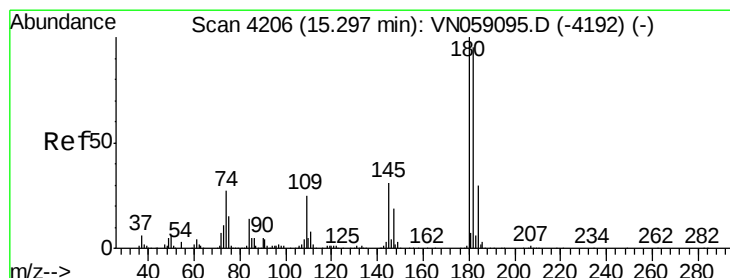
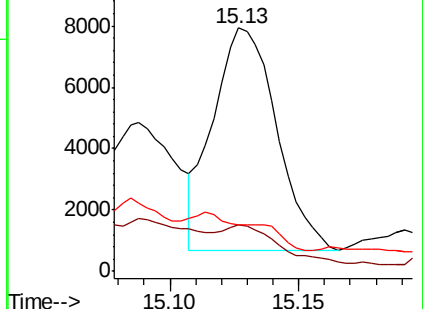
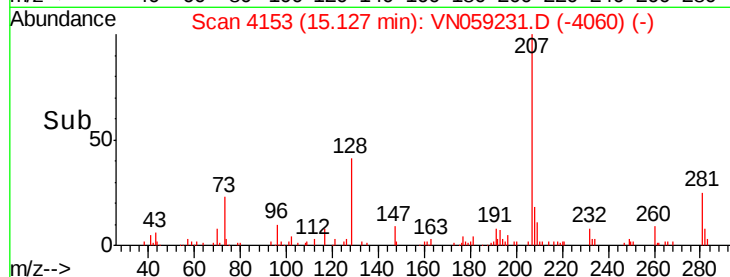
129 0.0 8.6 12.8#



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: 0.690 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059231.D

Acq: 14 Nov 2019 14:15

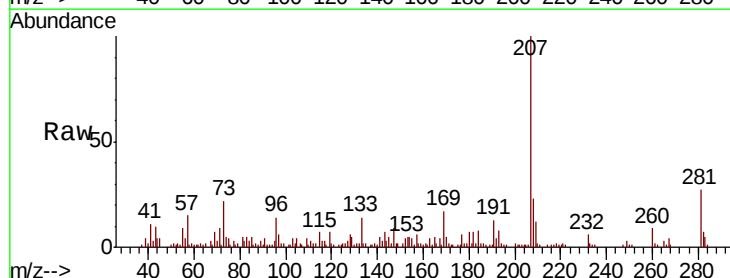
Tgt Ion:180 Resp: 3073

Ion Ratio Lower Upper

180 100

182 187.0 47.3 141.8#

145 34.7 15.8 47.3



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

