

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058810.D
 Acq On : 16 Oct 2019 18:24
 Operator : JC/SP
 Sample : K5399-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 17 01:35:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	386044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	619669	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	548607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	208503	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	297272	55.00	ug/l	0.00
Spiked Amount			Recovery	=	110.00%	
35) Dibromofluoromethane	7.57	113	209953	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	
50) Toluene-d8	10.08	98	792637	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.41	95	253416	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	

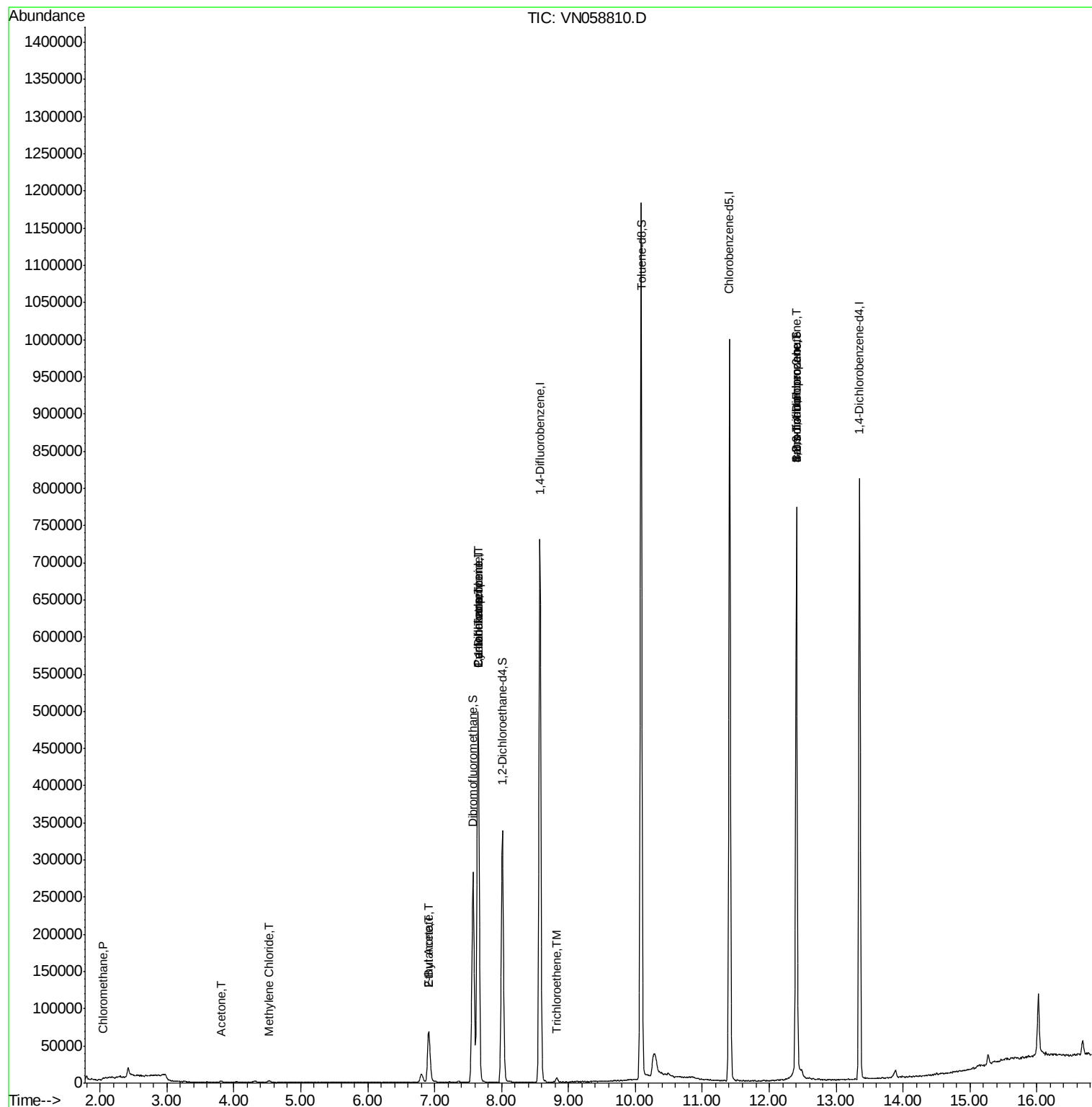
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1352	0.236	ug/l #	79
16) Acetone	3.80	43	3006	1.343	ug/l #	82
20) Methylene Chloride	4.53	84	1622	0.347	ug/l #	77
25) 2-Butanone	6.91	43	117076	36.202	ug/l #	50
31) Cyclohexane	7.65	56	9588	1.209	ug/l #	9
36) 1,1-Dichloropropene	7.65	75	33724	5.383	ug/l #	51
37) Ethyl Acetate	6.91	43	117076	18.477	ug/l	99
38) Carbon Tetrachloride	7.65	117	39849	6.526	ug/l #	16
44) Trichloroethene	8.82	130	1950	0.436	ug/l	72
71) Bromoform	12.41	173	1600	0.530	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	136427	29.826	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	136427	79.895	ug/l #	11

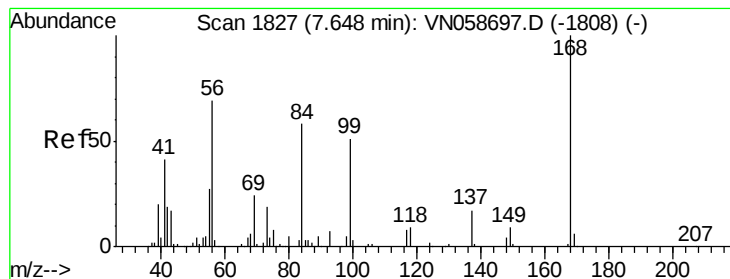
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101619\
Data File : VN058810.D
Acq On : 16 Oct 2019 18:24
Operator : JC/SP
Sample : K5399-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 17 01:35:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

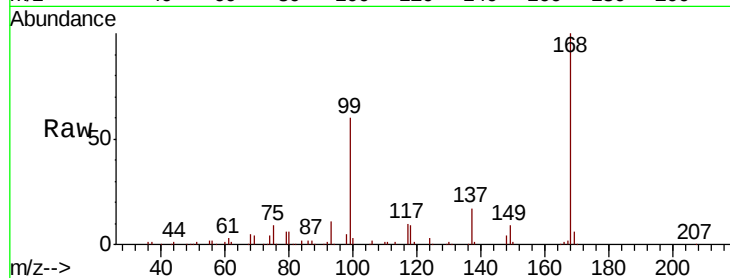
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 386044

Ion Ratio Lower Upper

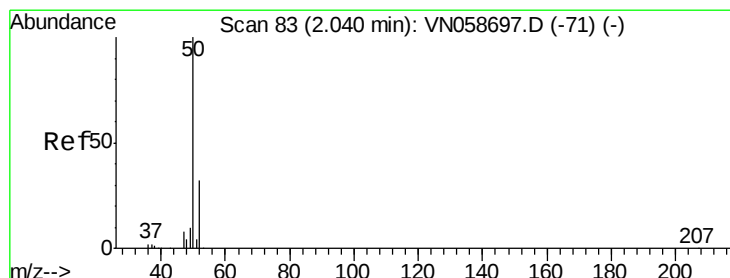
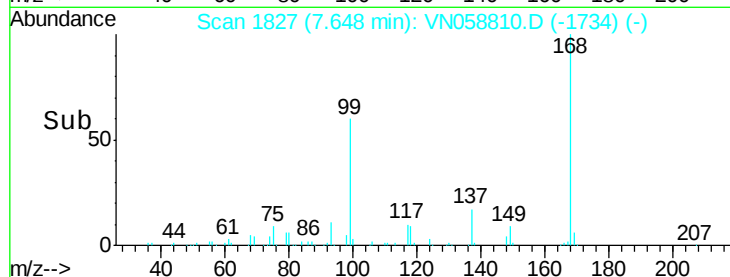
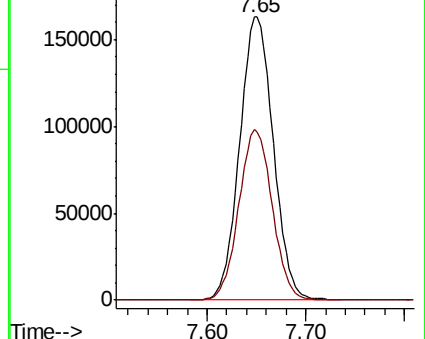
168 100

99 60.2 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.236 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058810.D

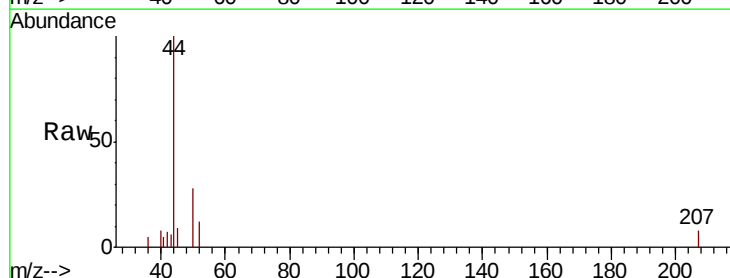
Acq: 16 Oct 2019 18:24

Tgt Ion: 50 Resp: 1352

Ion Ratio Lower Upper

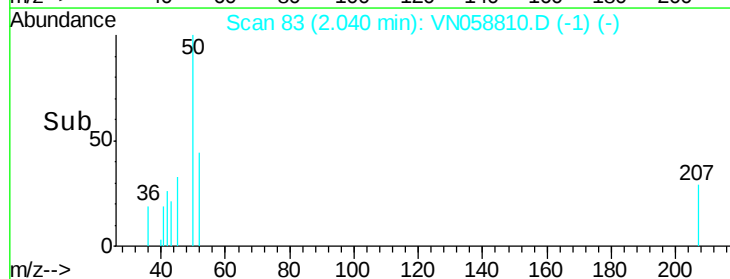
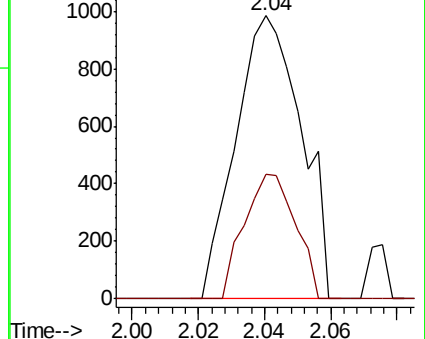
50 100

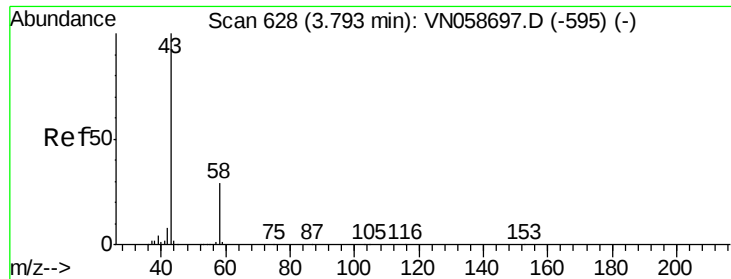
52 44.2 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

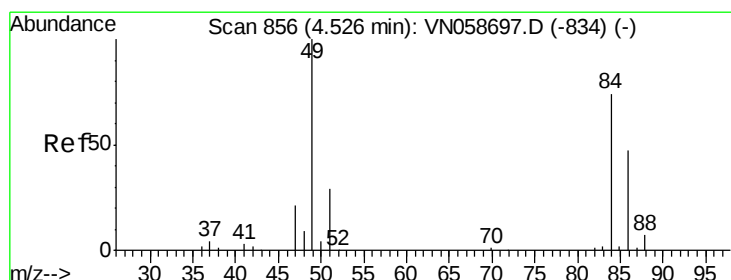
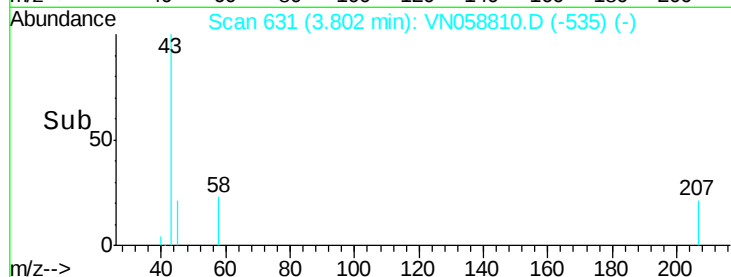
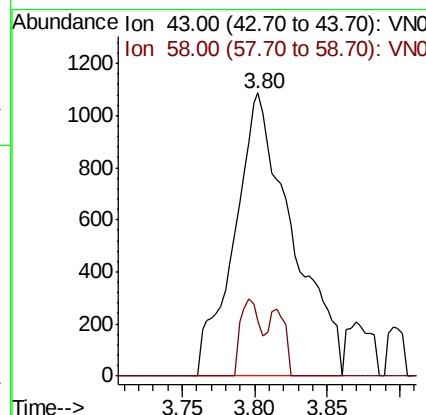
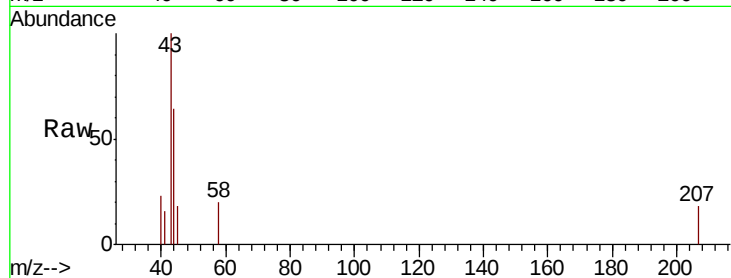




#16
Acetone
Concen: 1.343 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN058810.D
Acq: 16 Oct 2019 18:24

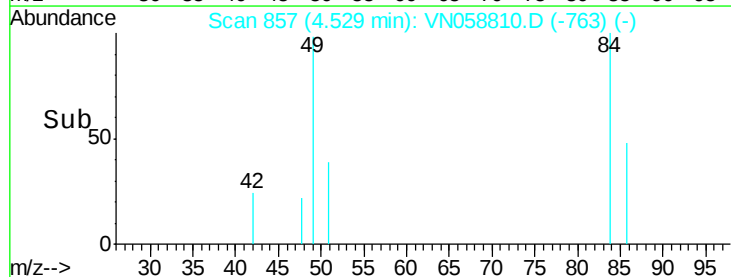
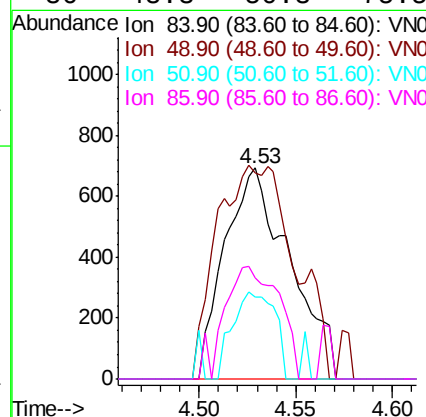
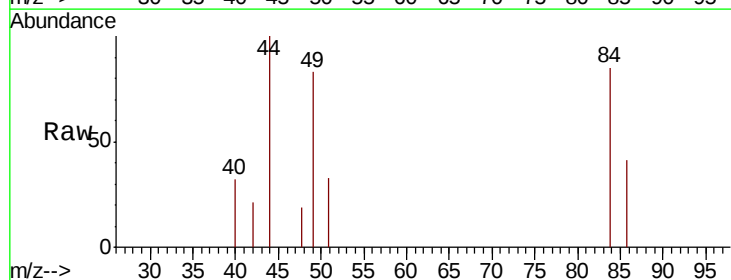
Instrument :
MSVOA_N
ClientSampleId :

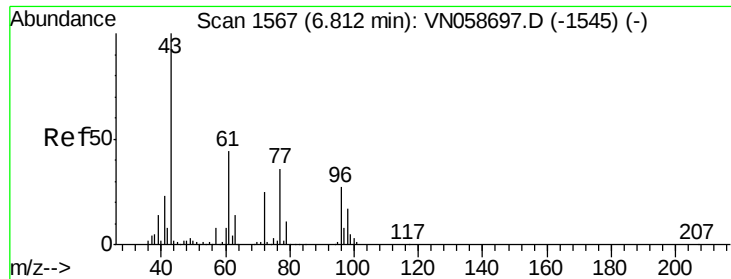
Tot Ion: 43 Resp: 3006
Ion Ratio Lower Upper
43 100
58 19.6 23.3 34.9#



#20
Methylene Chloride
Concen: 0.347 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058810.D
Acq: 16 Oct 2019 18:24

Tgt Ion: 84 Resp: 1622
Ion Ratio Lower Upper
84 100
49 97.8 107.6 161.4#
51 39.0 31.4 47.0
86 48.3 50.3 75.5#





#25

2-Butanone

Concen: 36.202 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.10 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

Instrument :

MSVOA_N

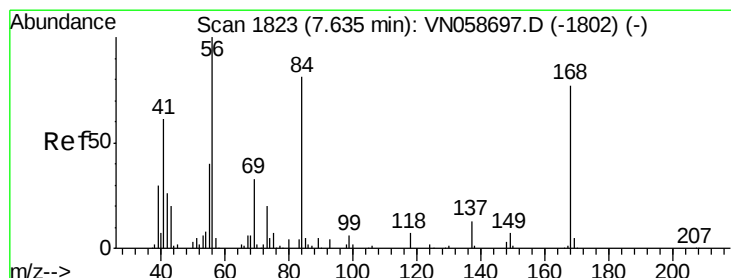
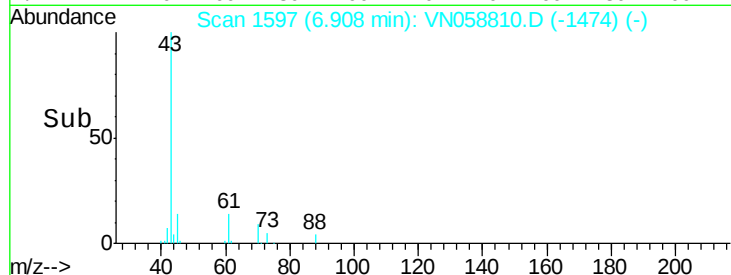
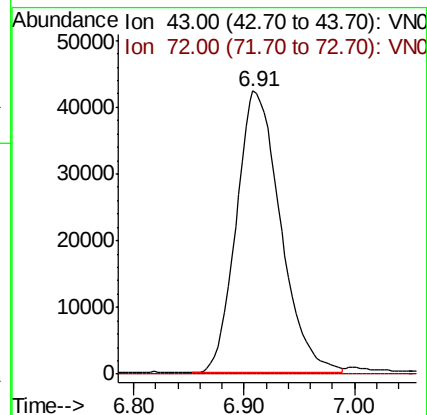
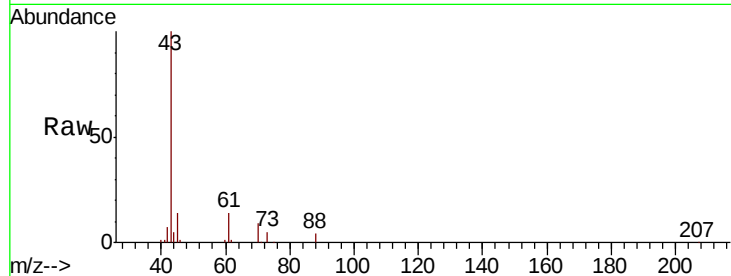
ClientSampleId :

Tot Ion: 43 Resp: 117076

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.2#



#31

Cyclohexane

Concen: 1.209 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

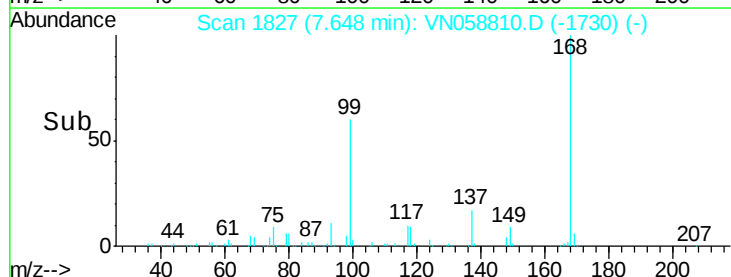
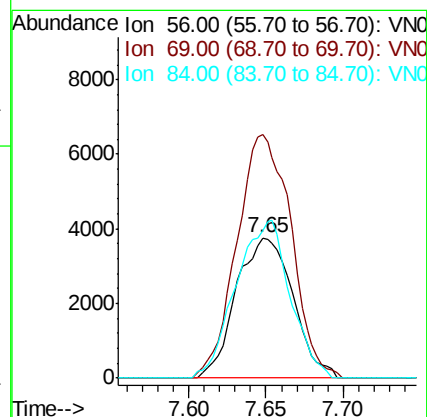
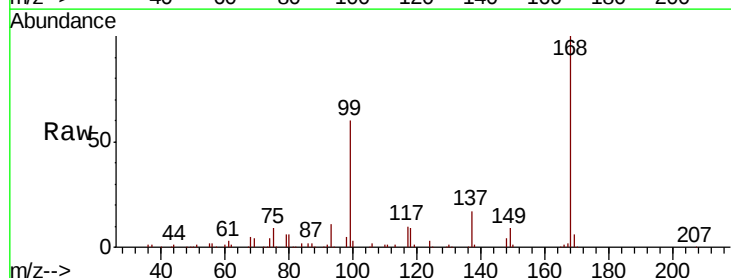
Tgt Ion: 56 Resp: 9588

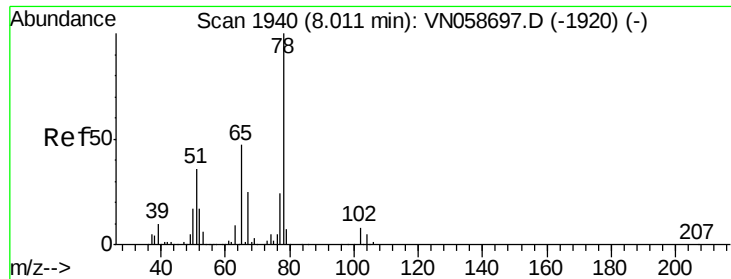
Ion Ratio Lower Upper

56 100

69 173.3 26.2 39.4#

84 105.1 64.9 97.3#





#33

1,2-Dichloroethane-d4

Concen: 55.004 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

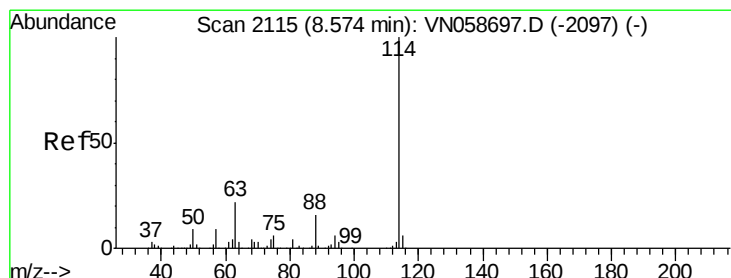
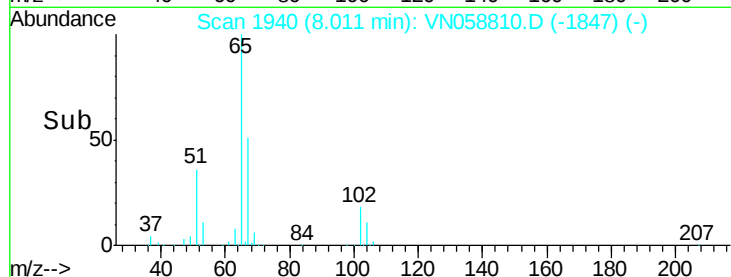
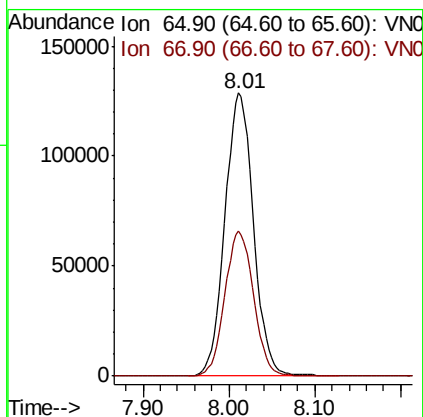
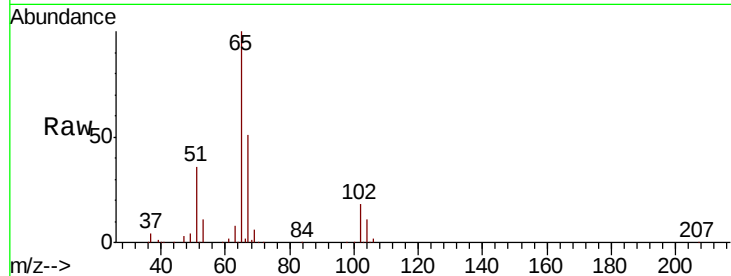
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 297272

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

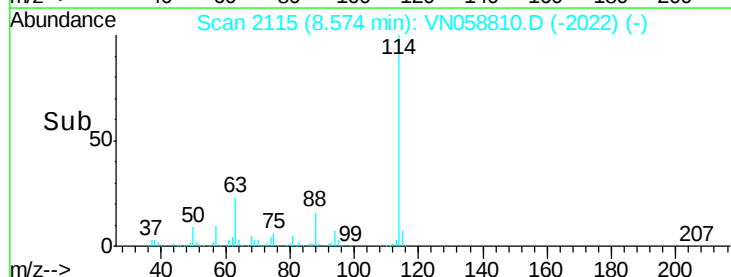
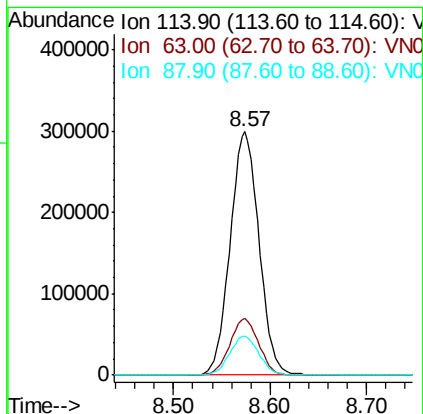
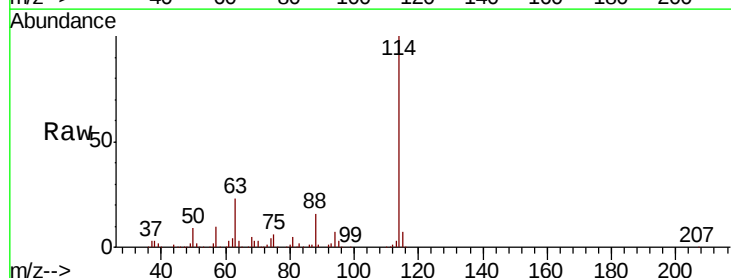
Tgt Ion: 114 Resp: 619669

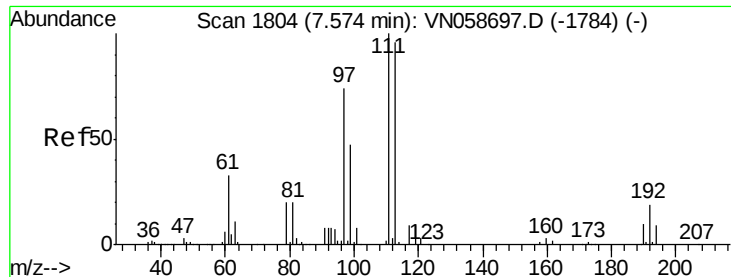
Ion Ratio Lower Upper

114 100

63 23.1 0.0 43.8

88 16.1 0.0 32.0

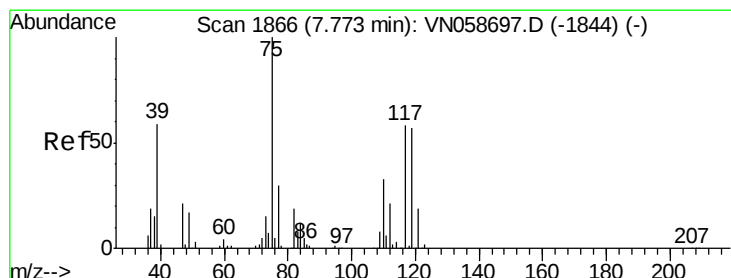
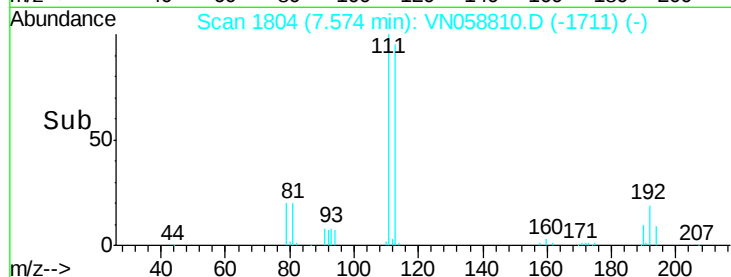
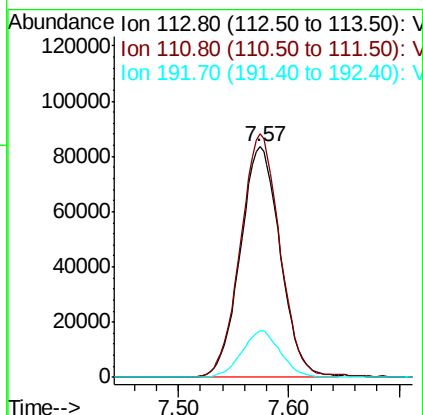
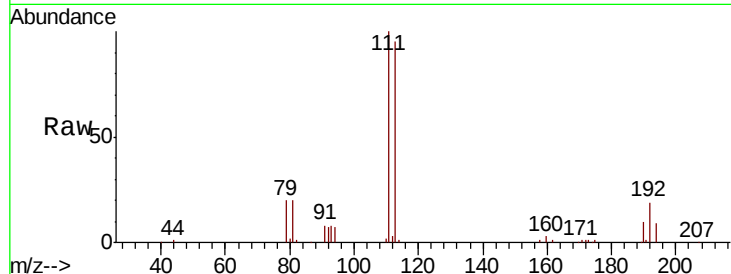




#35
 Dibromofluoromethane
 Concen: 54.853 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058810.D
 Acq: 16 Oct 2019 18:24

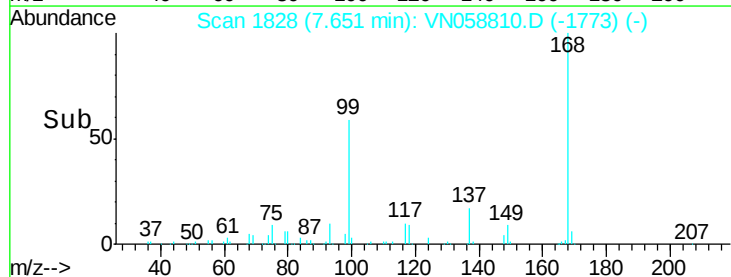
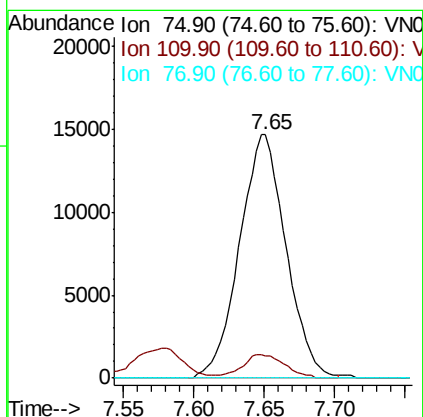
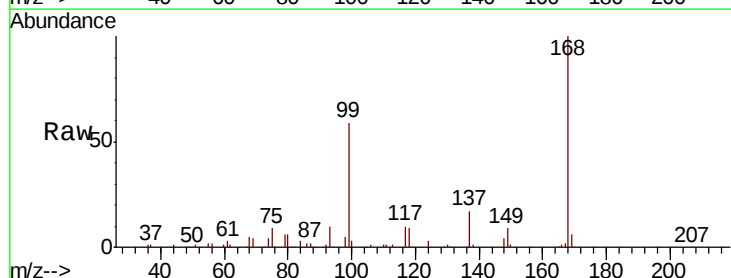
Instrument :
 MSVOA_N
 ClientSampleId :

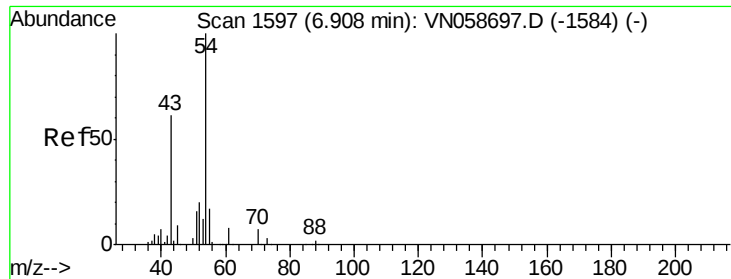
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.3	123.5
192	19.5	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 5.383 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.12 min
 Lab File: VN058810.D
 Acq: 16 Oct 2019 18:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.6	49.8#
77	0.0	24.6	37.0#

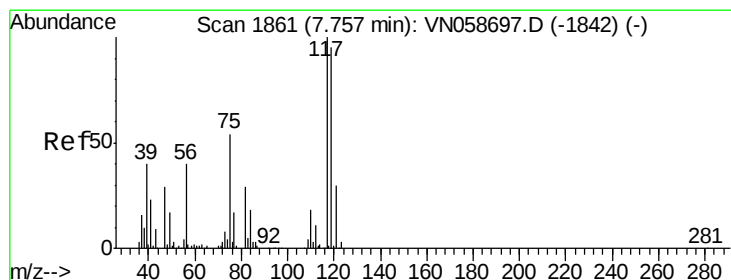
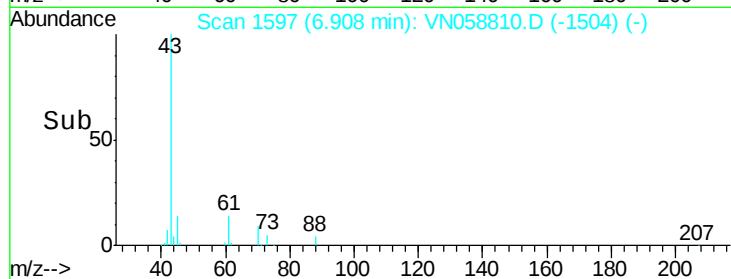
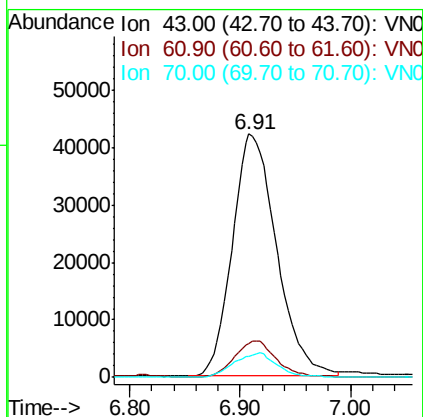
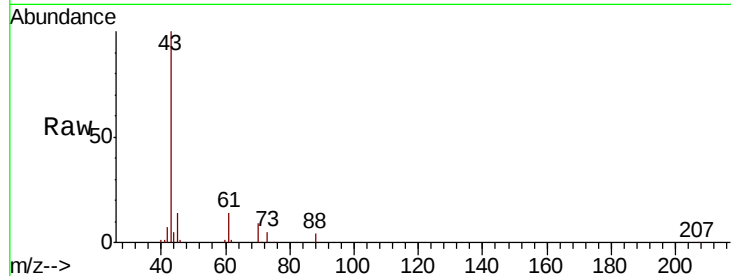




#37
Ethyl Acetate
Concen: 18.477 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058810.D
Acq: 16 Oct 2019 18:24

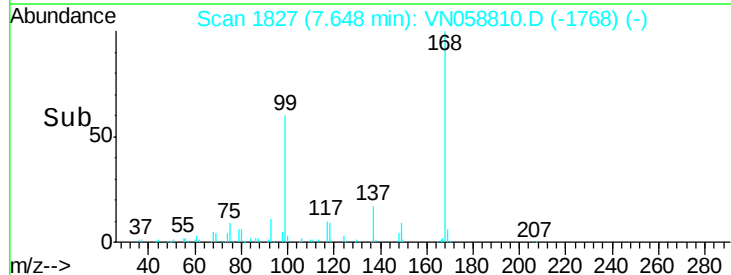
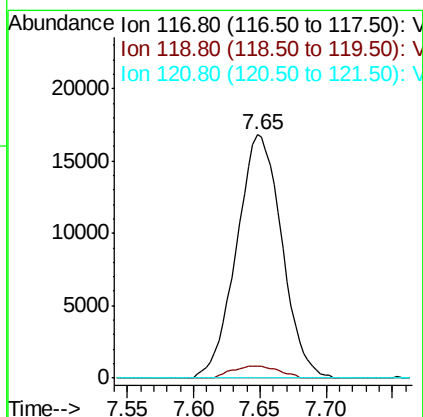
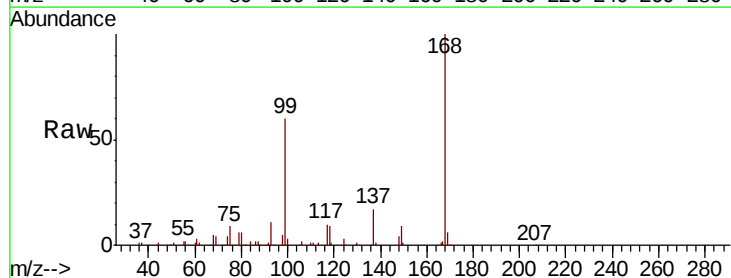
Instrument :
MSVOA_N
ClientSampled :

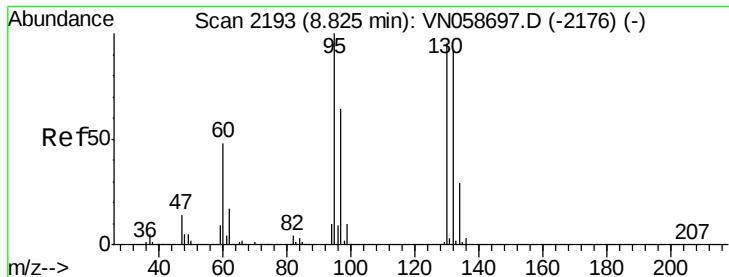
Tot Ion: 43 Resp: 117076
Ion Ratio Lower Upper
43 100
61 14.4 11.3 16.9
70 9.9 7.2 10.8



#38
Carbon Tetrachloride
Concen: 6.526 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058810.D
Acq: 16 Oct 2019 18:24

Tgt Ion: 117 Resp: 39849
Ion Ratio Lower Upper
117 100
119 5.0 75.7 113.5#
121 0.0 23.9 35.9#





#44

Trichloroethene

Concen: 0.436 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

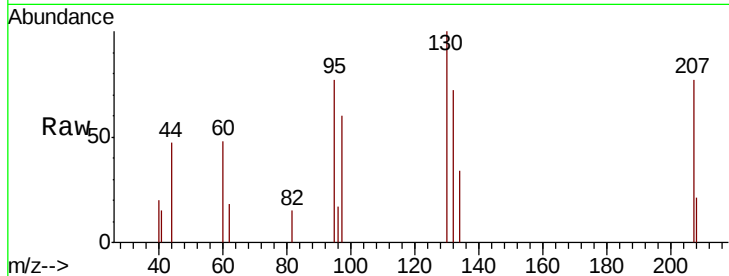
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:130 Resp: 1950

Ion Ratio Lower Upper

130 100

95 76.8 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.82

1000

800

600

400

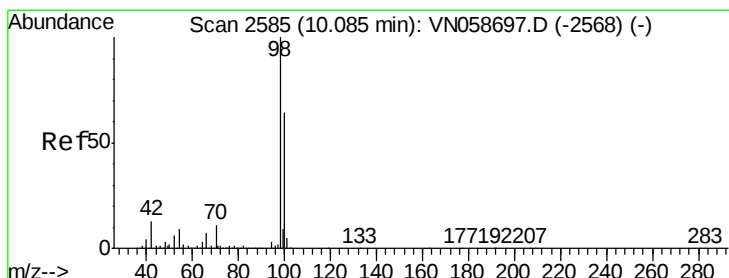
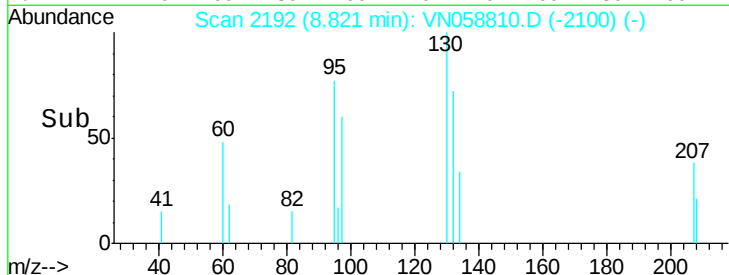
200

0

8.80

8.85

Time-->



#50

Toluene-d8

Concen: 51.786 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058810.D

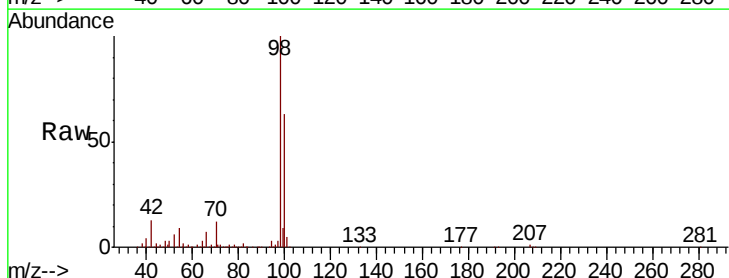
Acq: 16 Oct 2019 18:24

Tgt Ion: 98 Resp: 792637

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.08

500000

400000

300000

200000

100000

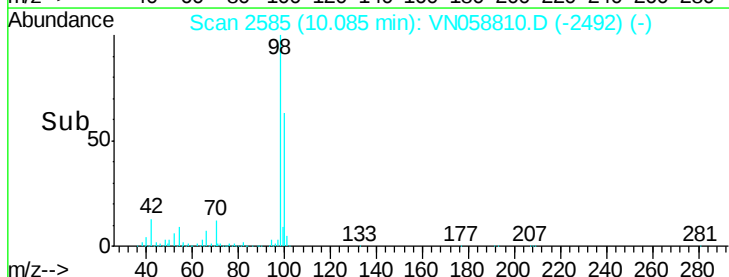
0

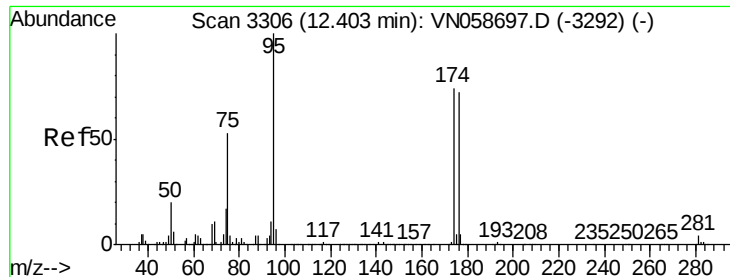
10.00

10.10

10.20

Time-->





#62

4-Bromofluorobenzene

Concen: 43.740 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

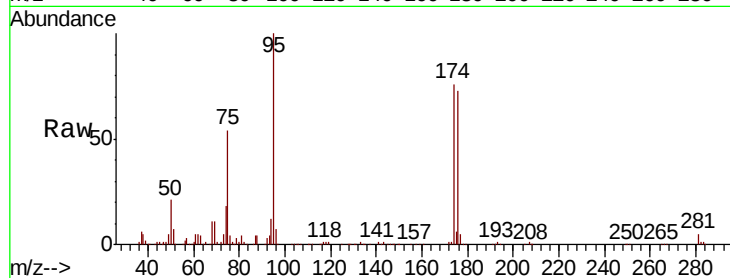
Tot Ion: 95 Resp: 253416

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.4

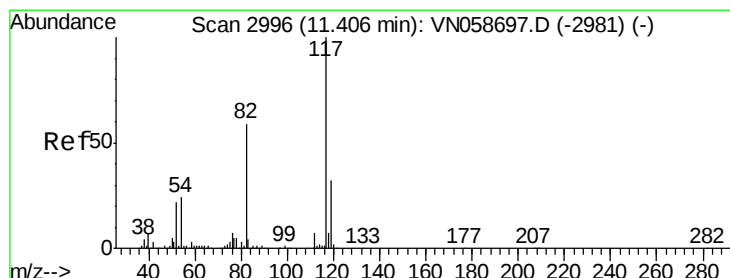
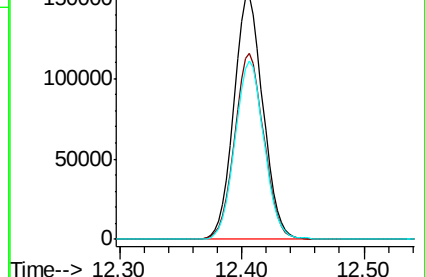
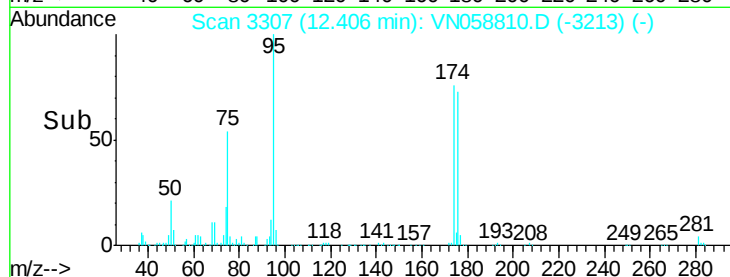
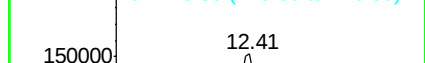
176 72.7 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN058697.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058697.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058697.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

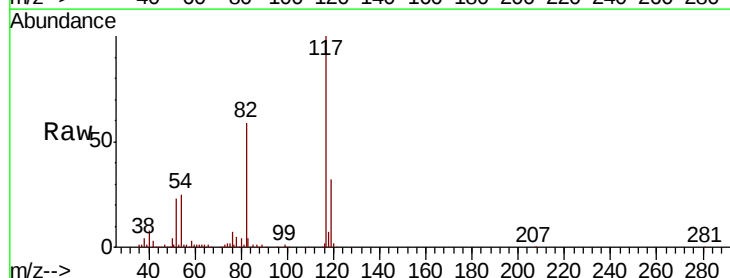
Tgt Ion: 117 Resp: 548607

Ion Ratio Lower Upper

117 100

82 58.6 47.0 70.4

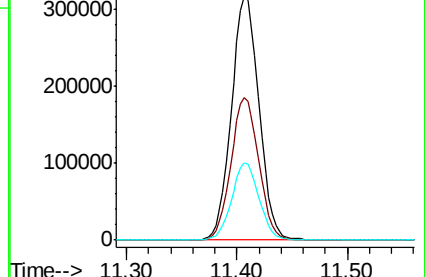
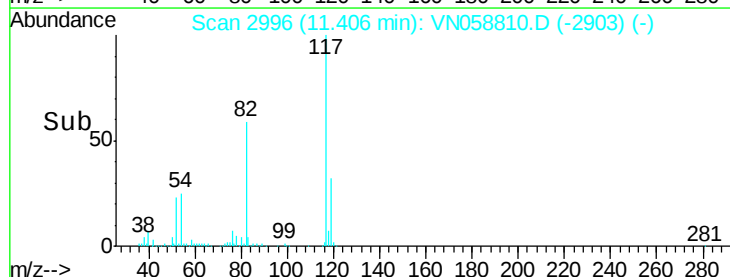
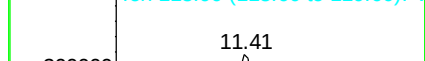
119 31.5 25.4 38.2

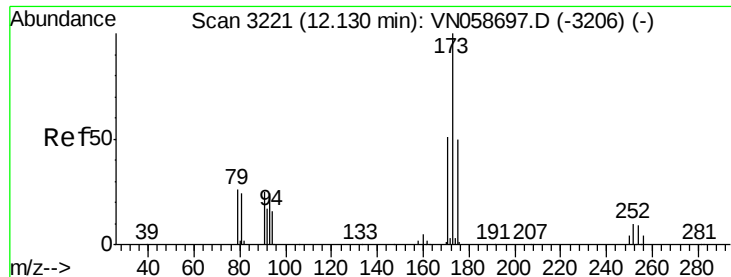


Abundance Ion 116.90 (116.60 to 117.60): VN058697.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058697.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058697.D (-2981) (-)





#71

Bromoform

Concen: 0.530 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

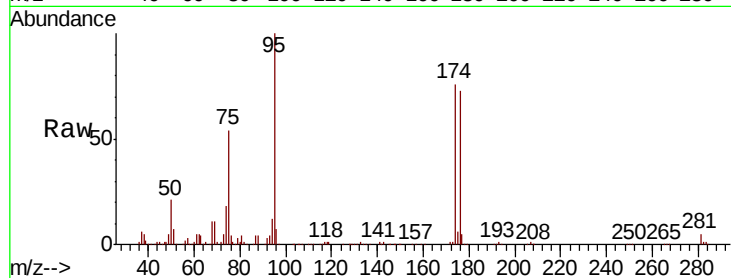
Tot Ion:173 Resp: 1600

Ion Ratio Lower Upper

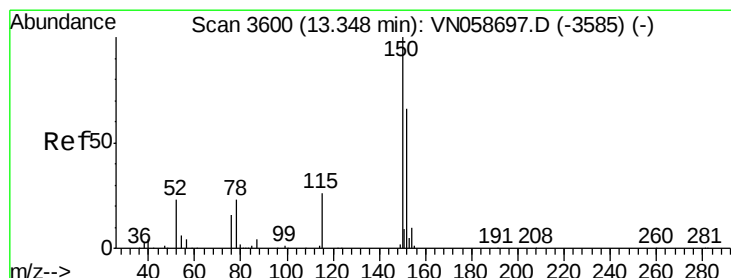
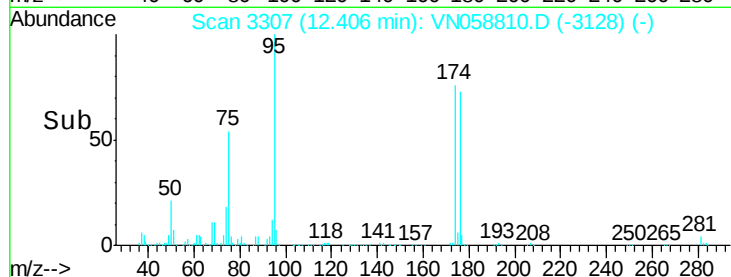
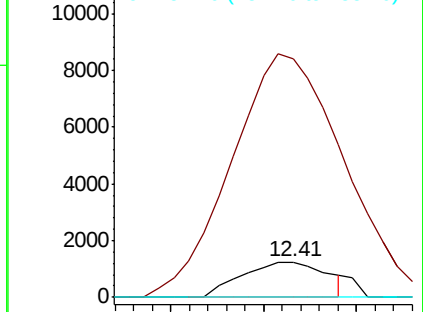
173 100

175 774.1 24.6 73.8#

254 0.0 0.1 0.1#



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: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

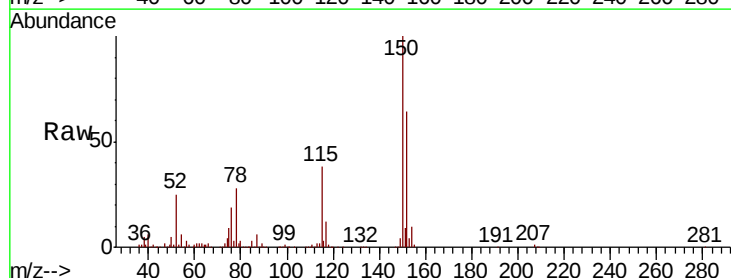
Tgt Ion:152 Resp: 208503

Ion Ratio Lower Upper

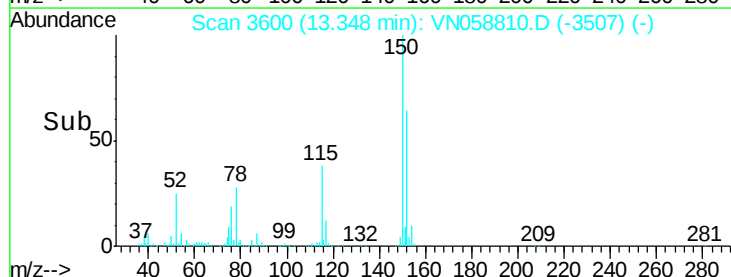
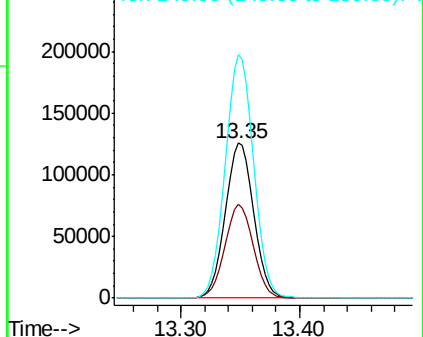
152 100

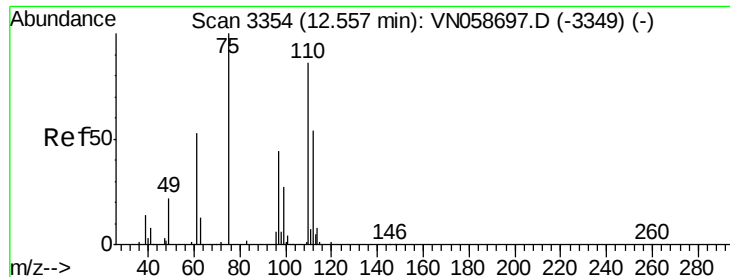
115 60.4 30.4 91.2

150 156.8 0.0 345.4



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: 29.826 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

Instrument :

MSVOA_N

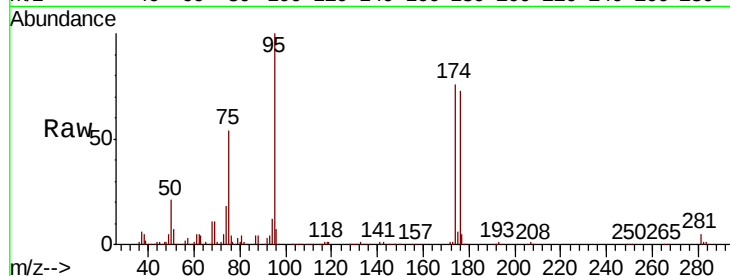
ClientSampleId :

Tot Ion: 75 Resp: 136427

Ion Ratio Lower Upper

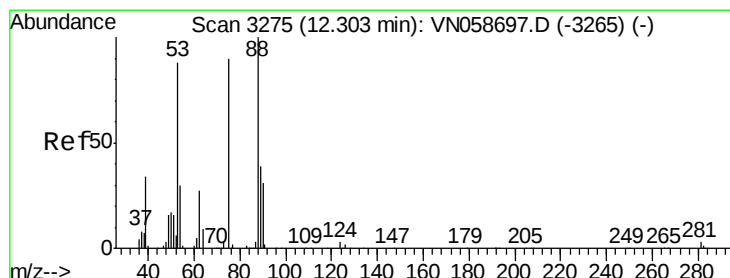
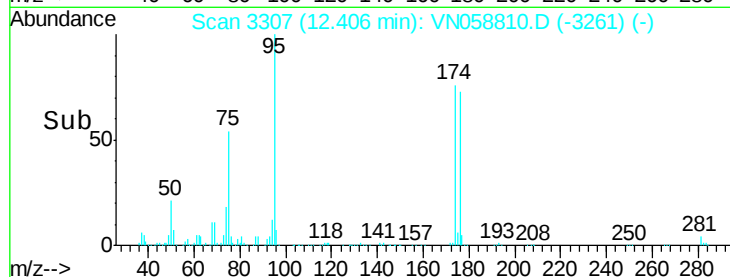
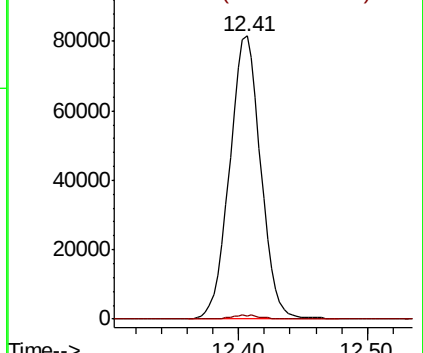
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 79.895 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

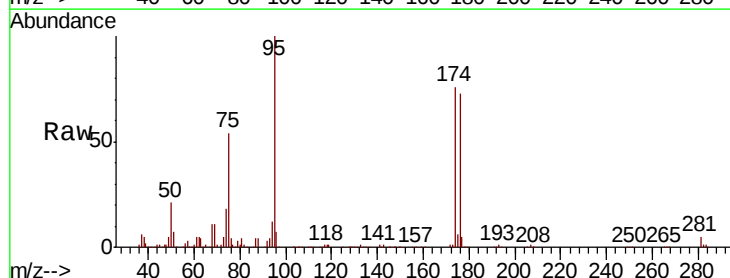
Tgt Ion: 75 Resp: 136427

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

89 0.0 34.9 52.3#



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

