

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058737.D
 Acq On : 12 Oct 2019 5:12
 Operator : JC/SP
 Sample : K5292-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 05:50:48 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	405100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	642721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	577663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	239142	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	297874	52.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.04%		
35) Dibromofluoromethane	7.57	113	109982	27.70	ug/l	0.00
Spiked Amount 50.000			Recovery =	55.40%		
50) Toluene-d8	10.08	98	813497	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.48%		
62) 4-Bromofluorobenzene	12.40	95	272050	45.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.54%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	29231	12.450	ug/l	97
18) Methyl Acetate	4.30	43	5871	0.986	ug/l #	57
20) Methylene Chloride	4.53	84	11904	2.426	ug/l	99
25) 2-Butanone	6.82	43	6158	1.815	ug/l #	86
31) Cyclohexane	7.65	56	9494	1.141	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	34187	5.261	ug/l #	50
37) Ethyl Acetate	6.82	43	6158	0.937	ug/l #	71
38) Carbon Tetrachloride	7.65	117	41857	6.609	ug/l #	17
71) Bromoform	12.41	173	1944	0.611	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	145532	27.740	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	145532	74.308	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

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Instrument :

MSVOA_N

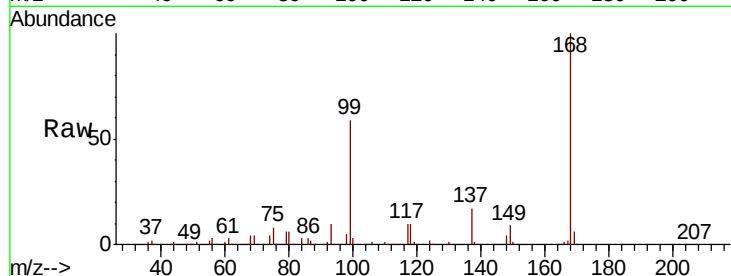
ClientSampleId :

Tot Ion:168 Resp: 405100

Ion Ratio Lower Upper

168 100

99 59.4 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VN058697.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058697.D (-1808) (-)

7.65

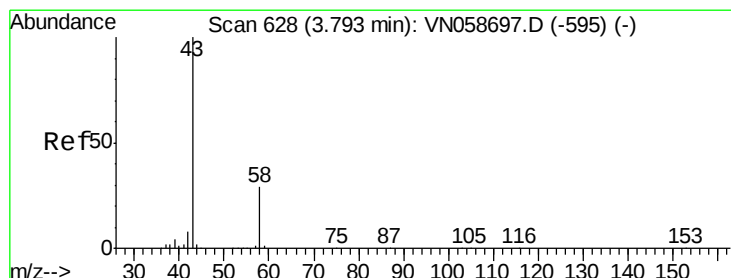
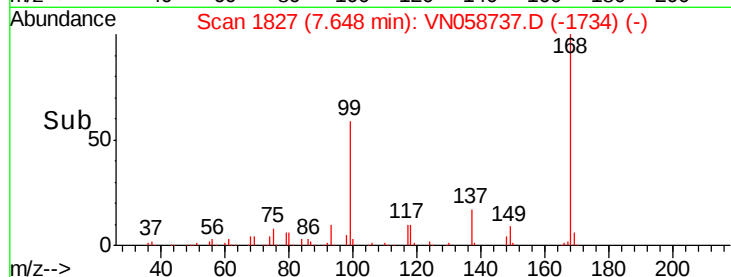
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 12.450 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058737.D

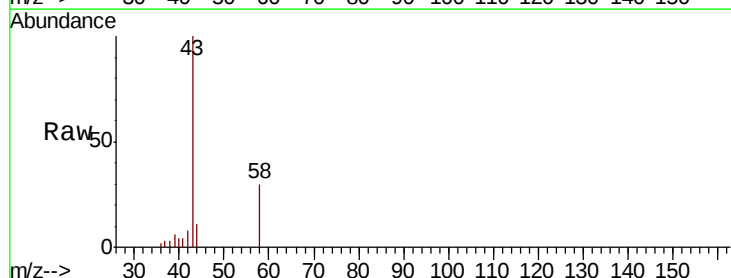
Acq: 12 Oct 2019 5:12

Tgt Ion: 43 Resp: 29231

Ion Ratio Lower Upper

43 100

58 30.5 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-595) (-)

3.80

12000

10000

8000

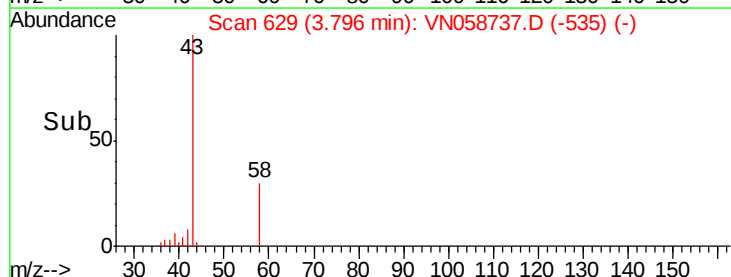
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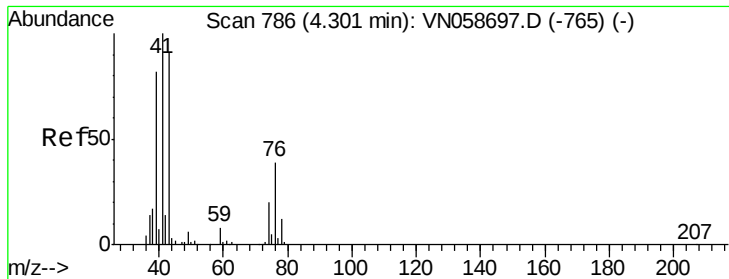
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2000

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Time-->

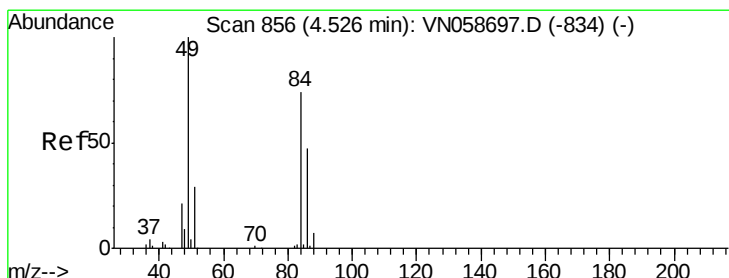
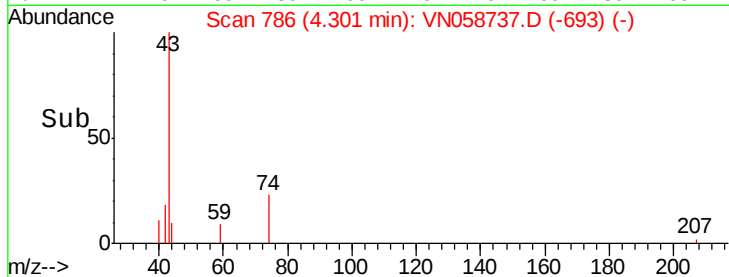
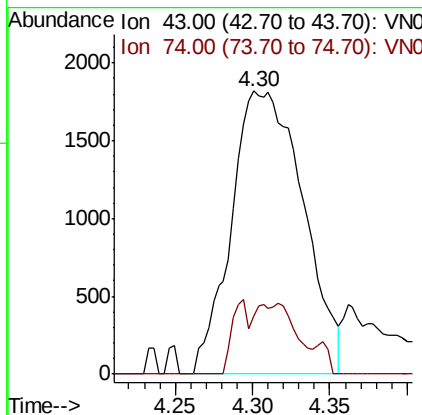
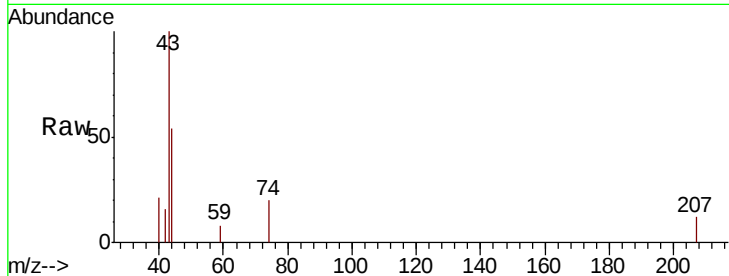




#18
Methyl Acetate
Concen: 0.986 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058737.D
Acq: 12 Oct 2019 5:12

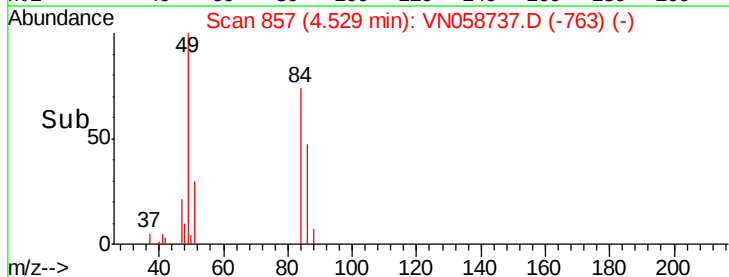
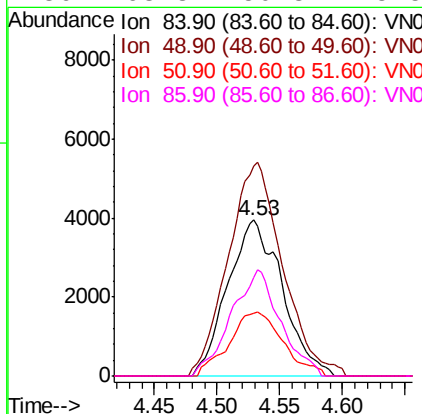
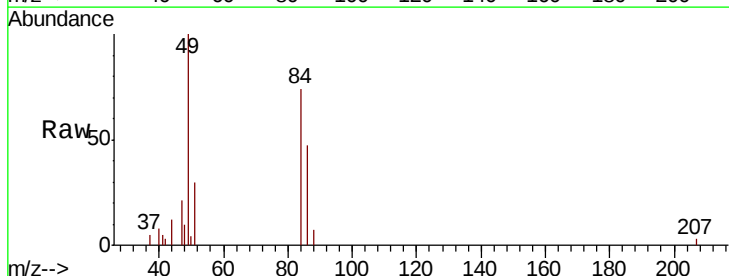
Instrument :
MSVOA_N
ClientSampled :

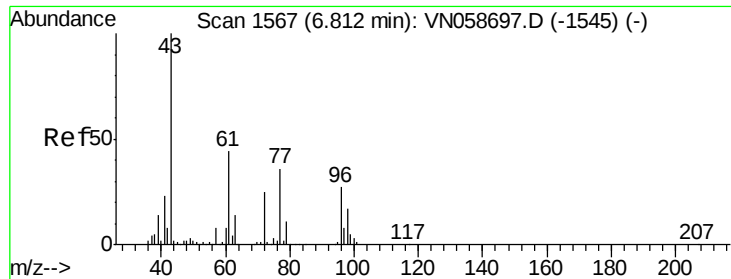
Tot Ion: 43 Resp: 5871
Ion Ratio Lower Upper
43 100
74 1.0 17.2 25.8#



#20
Methylene Chloride
Concen: 2.426 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058737.D
Acq: 12 Oct 2019 5:12

Tgt Ion: 84 Resp: 11904
Ion Ratio Lower Upper
84 100
49 135.0 107.6 161.4
51 40.5 31.4 47.0
86 63.3 50.3 75.5

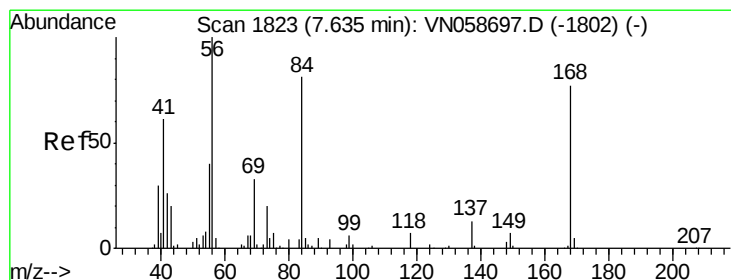
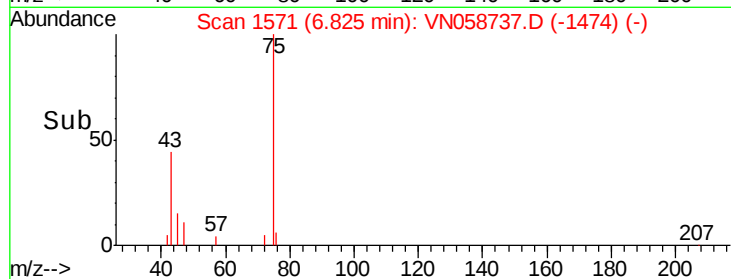
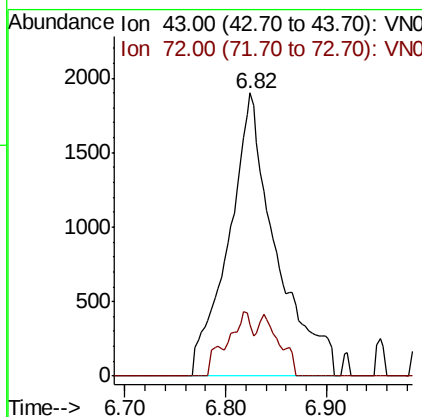
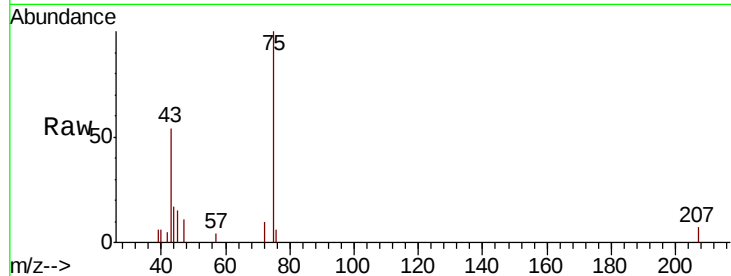




#25
2-Butanone
Concen: 1.815 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN058737.D
Acq: 12 Oct 2019 5:12

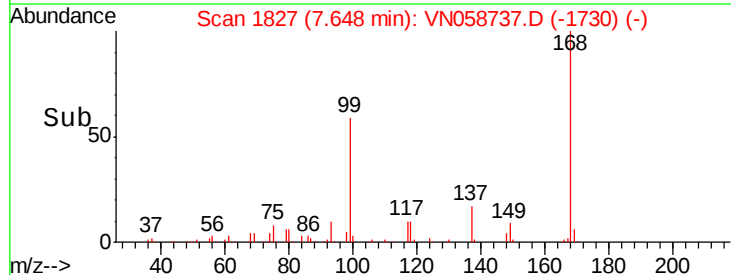
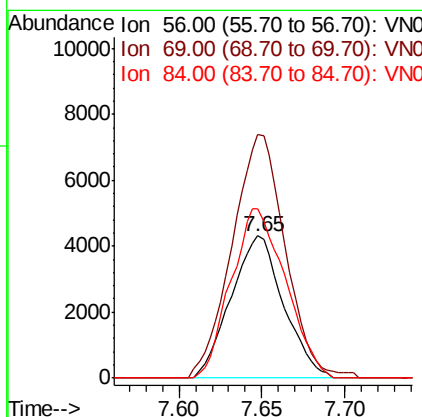
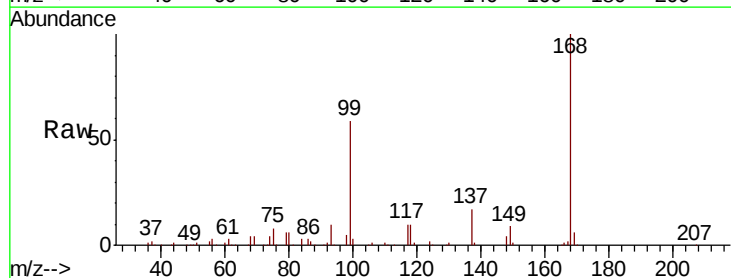
Instrument :
MSVOA_N
ClientSampleId :

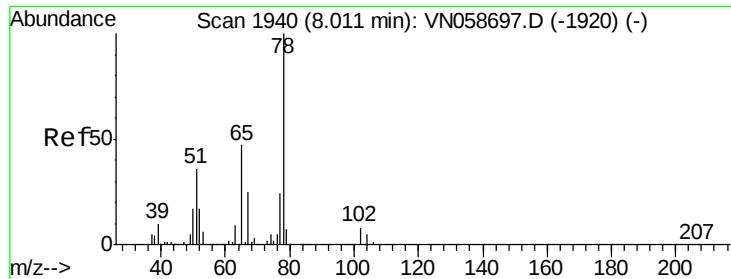
Tot Ion: 43 Resp: 6158
Ion Ratio Lower Upper
43 100
72 18.1 20.2 30.2#



#31
Cyclohexane
Concen: 1.141 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058737.D
Acq: 12 Oct 2019 5:12

Tgt Ion: 56 Resp: 9494
Ion Ratio Lower Upper
56 100
69 171.5 26.2 39.4#
84 119.0 64.9 97.3#

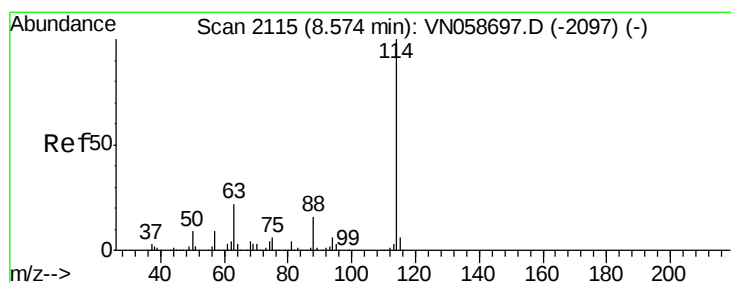
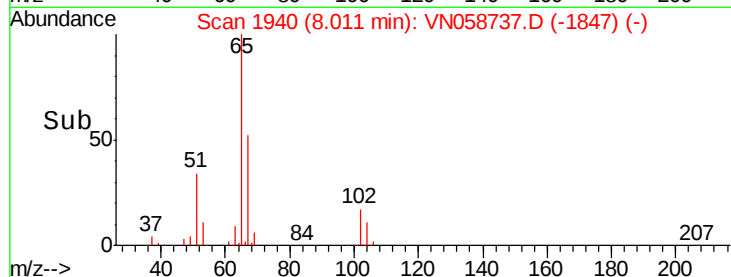
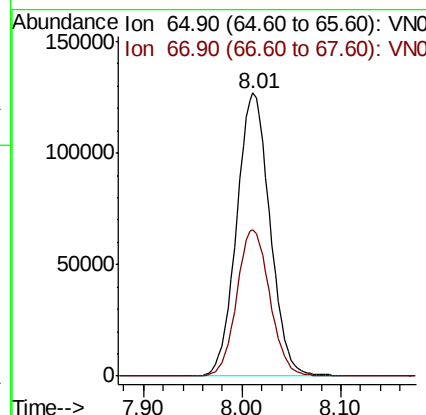
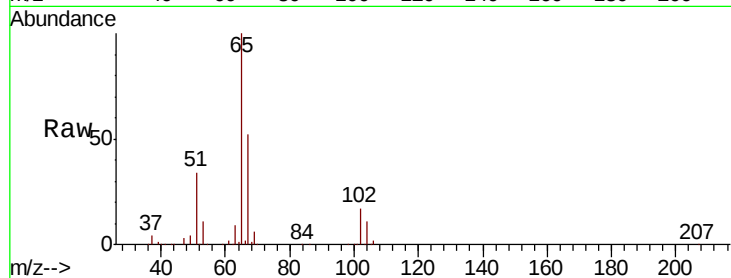




#33
 1,2-Dichloroethane-d4
 Concen: 52.523 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058737.D
 Acq: 12 Oct 2019 5:12

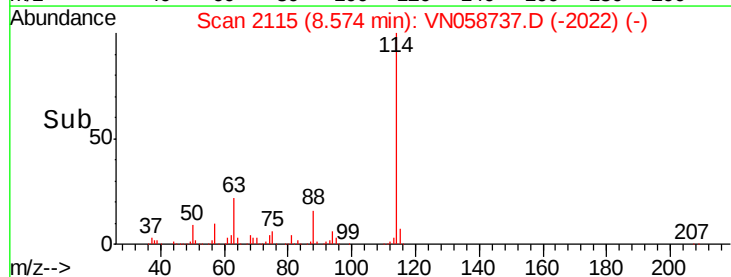
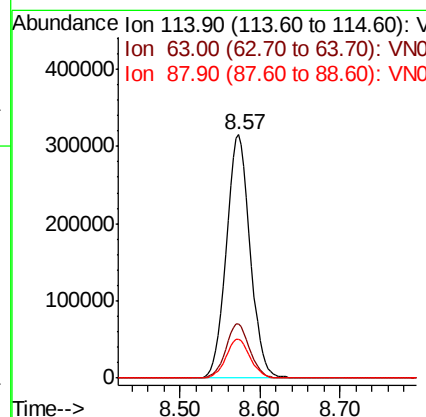
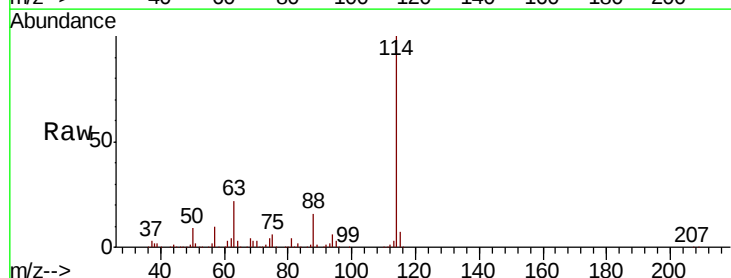
Instrument :
 MSVOA_N
 ClientSampled :

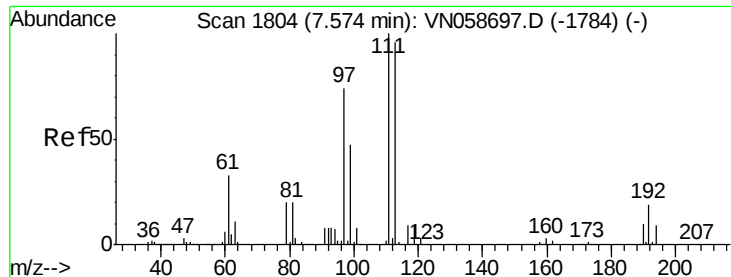
Tot Ion: 65 Resp: 297874
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058737.D
 Acq: 12 Oct 2019 5:12

Tgt Ion: 114 Resp: 642721
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 16.1 0.0 32.0

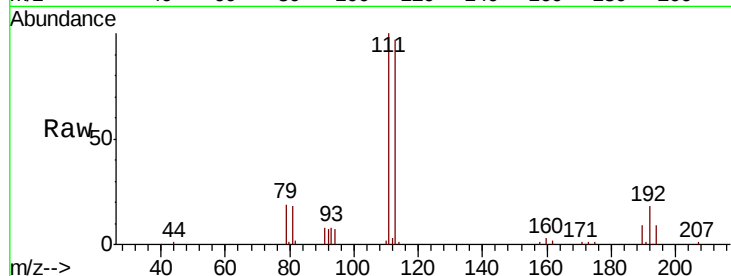




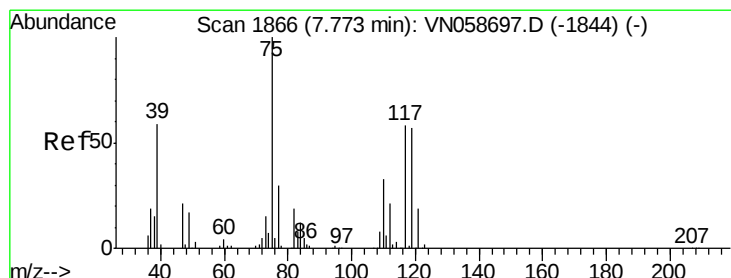
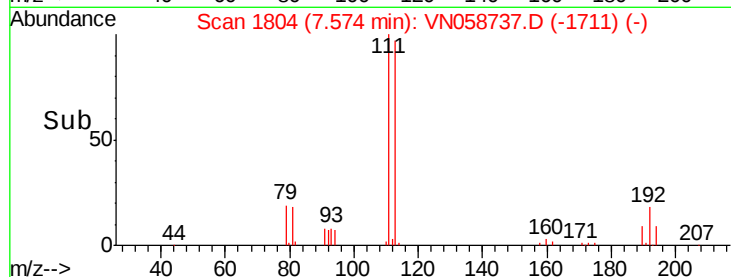
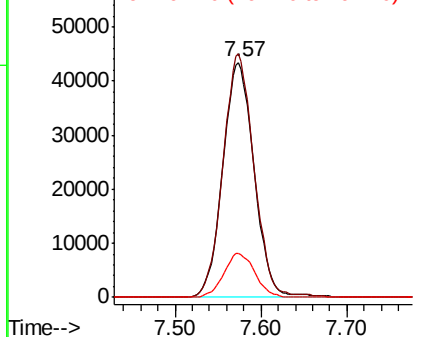
#35
 Dibromofluoromethane
 Concen: 27.704 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058737.D
 Acq: 12 Oct 2019 5:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.3	123.5
192	18.4	15.0	22.6

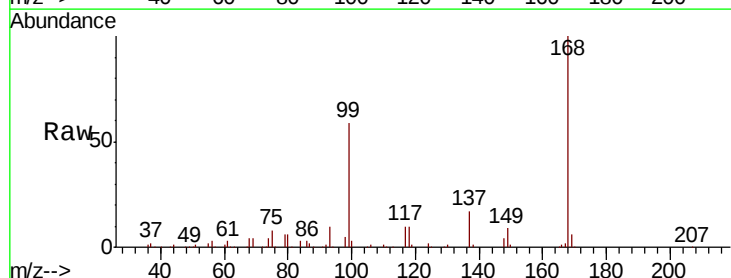


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

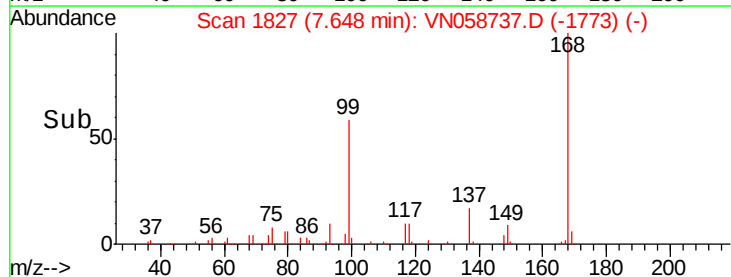
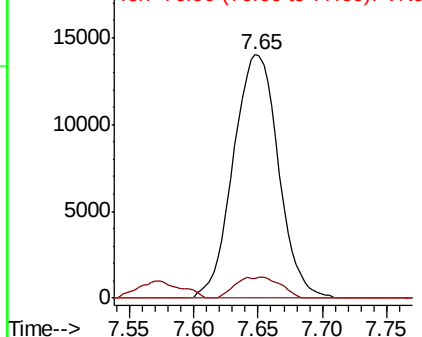


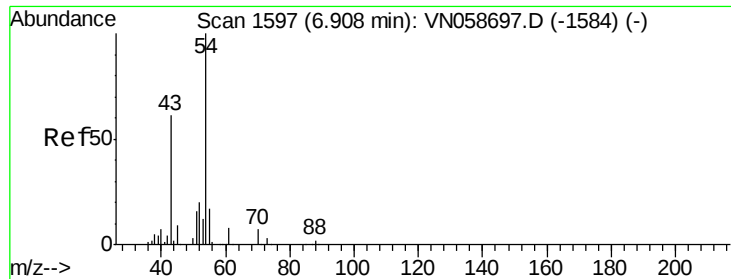
#36
 1,1-Dichloropropene
 Concen: 5.261 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058737.D
 Acq: 12 Oct 2019 5:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.6	49.8#
77	0.0	24.6	37.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

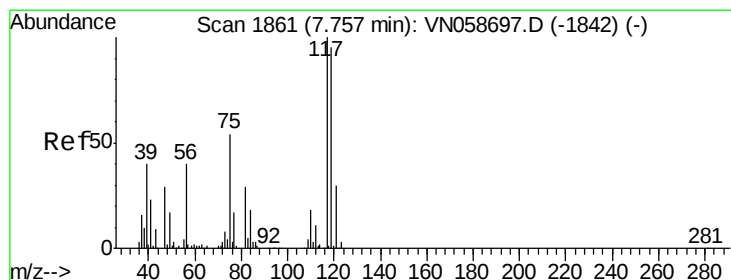
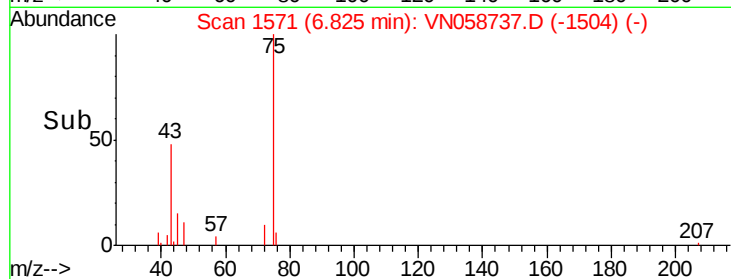
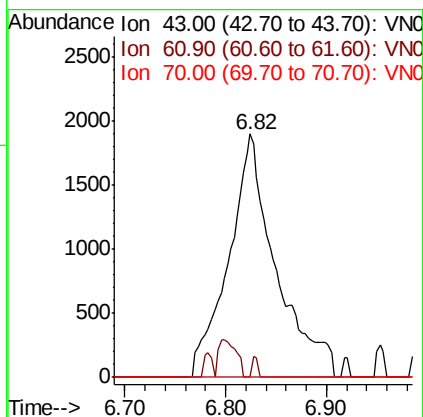
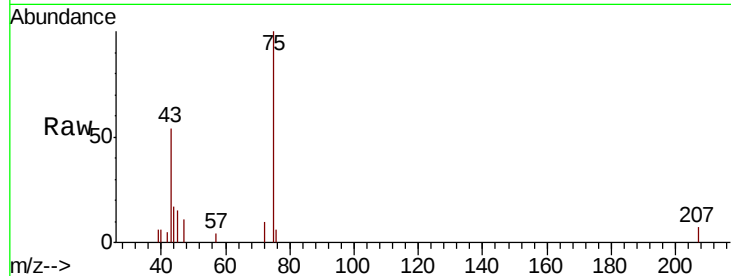




#37
Ethyl Acetate
Concen: 0.937 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.08 min
Lab File: VN058737.D
Acq: 12 Oct 2019 5:12

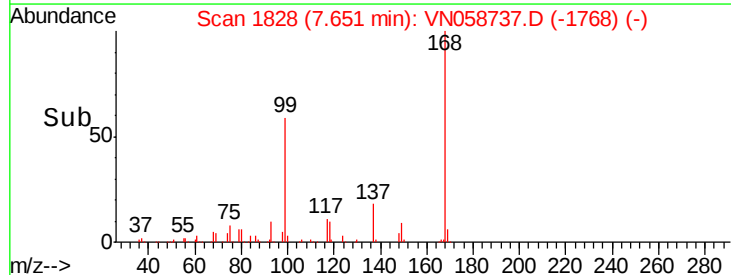
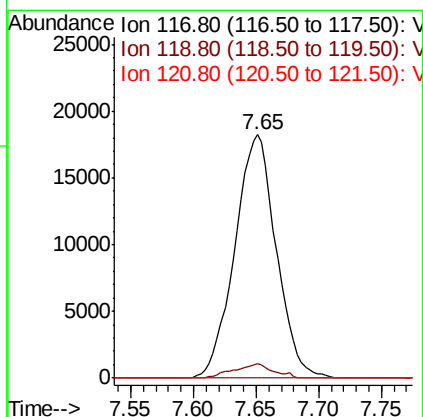
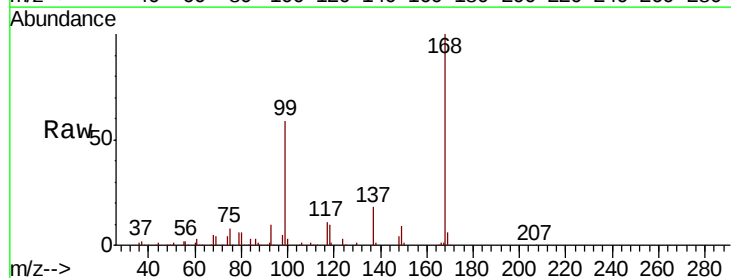
Instrument :
MSVOA_N
ClientSampleId :

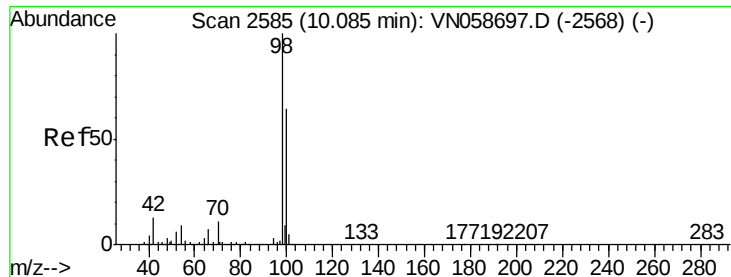
Tot Ion: 43 Resp: 6158
Ion Ratio Lower Upper
43 100
61 1.0 11.3 16.9#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 6.609 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN058737.D
Acq: 12 Oct 2019 5:12

Tgt Ion: 117 Resp: 41857
Ion Ratio Lower Upper
117 100
119 5.9 75.7 113.5#
121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 51.243 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058737.D

Acq: 12 Oct 2019 5:12

Instrument :

MSVOA_N

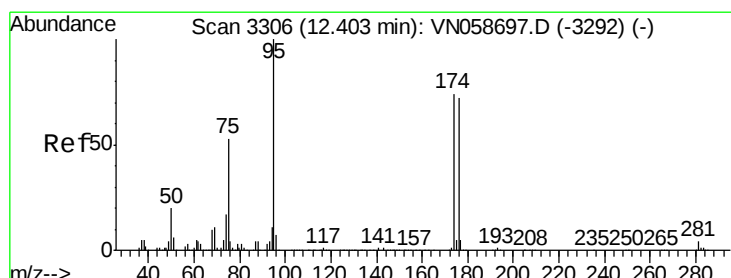
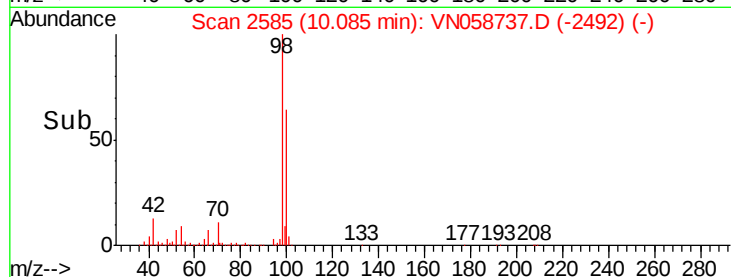
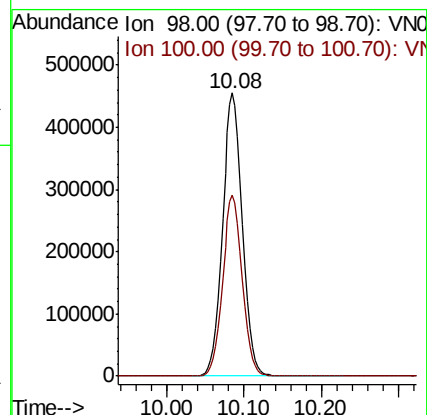
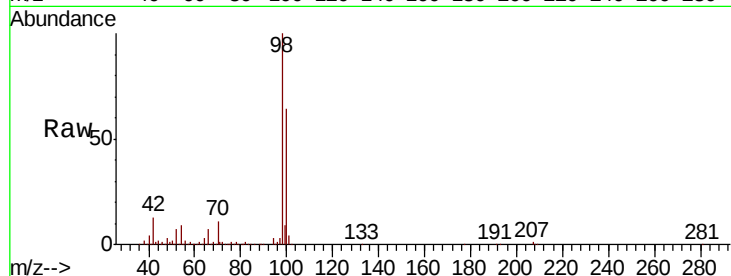
ClientSampled :

Tot Ion: 98 Resp: 813497

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 45.272 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058737.D

Acq: 12 Oct 2019 5:12

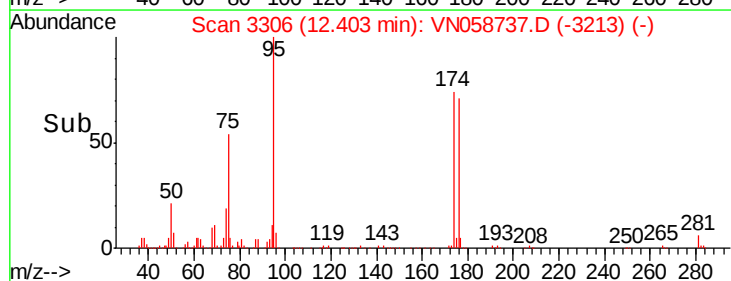
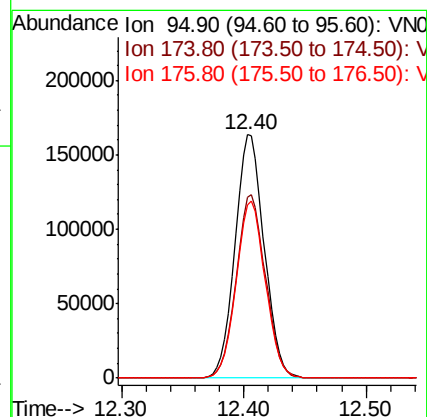
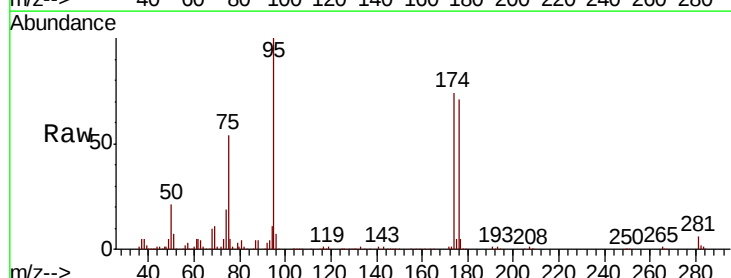
Tgt Ion: 95 Resp: 272050

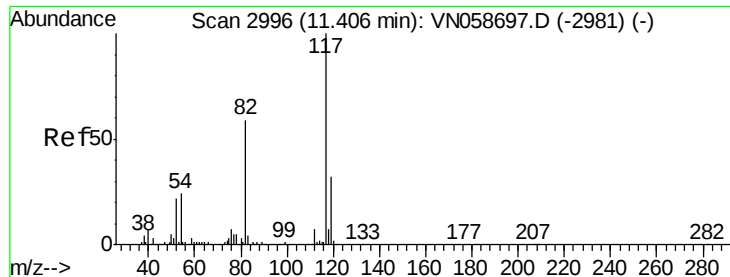
Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.4

176 72.8 0.0 146.8

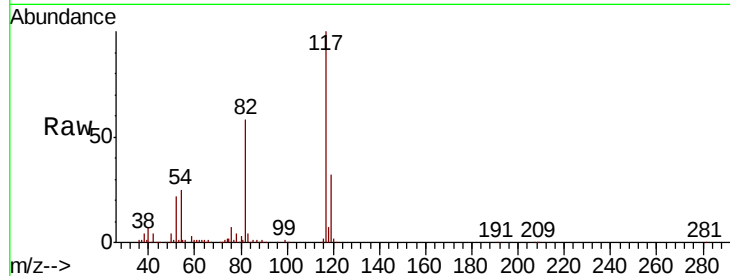




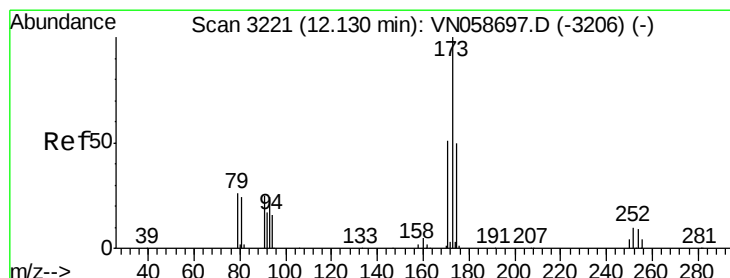
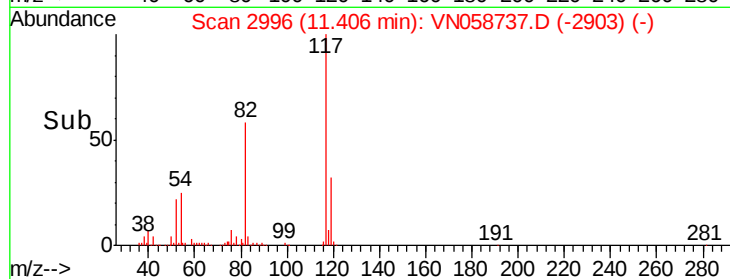
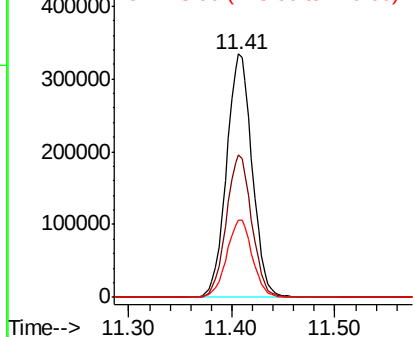
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058737.D
Acq: 12 Oct 2019 5:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 577663
Ion Ratio Lower Upper
117 100
82 58.5 47.0 70.4
119 31.9 25.4 38.2

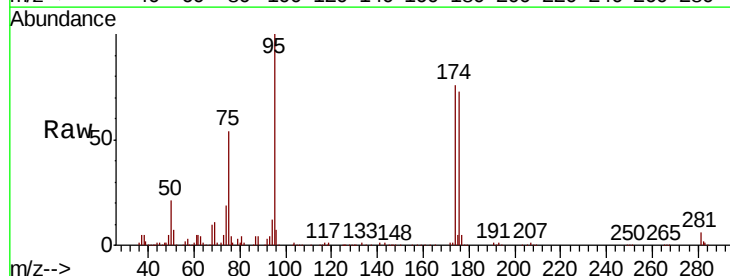


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

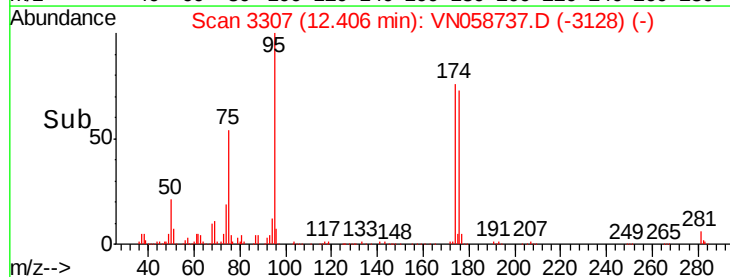
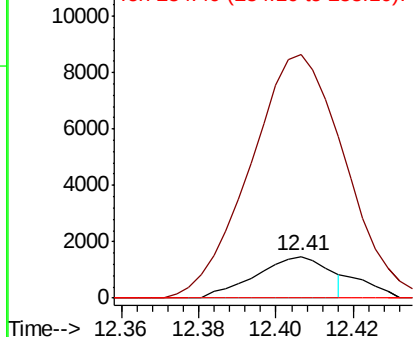


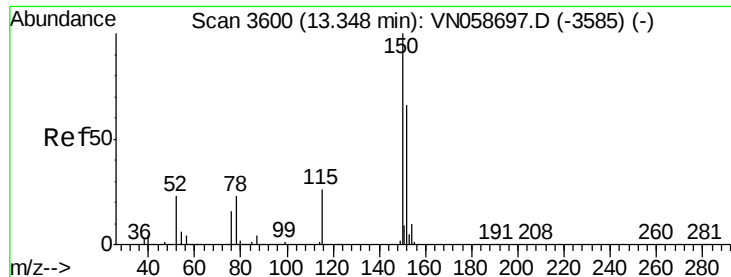
#71
Bromoform
Concen: 0.611 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058737.D
Acq: 12 Oct 2019 5:12

Tgt Ion:173 Resp: 1944
Ion Ratio Lower Upper
173 100
175 647.9 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: VN058737.D

Acq: 12 Oct 2019 5:12

Instrument :

MSVOA_N

ClientSampleId :

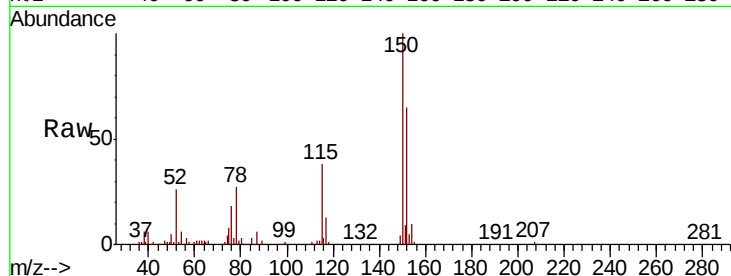
Tot Ion:152 Resp: 239142

Ion Ratio Lower Upper

152 100

115 60.3 30.4 91.2

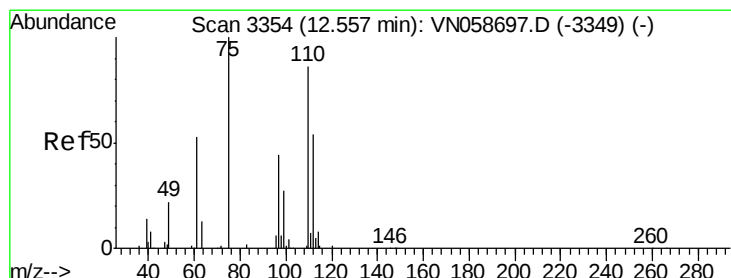
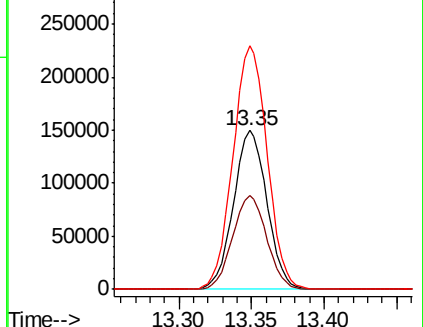
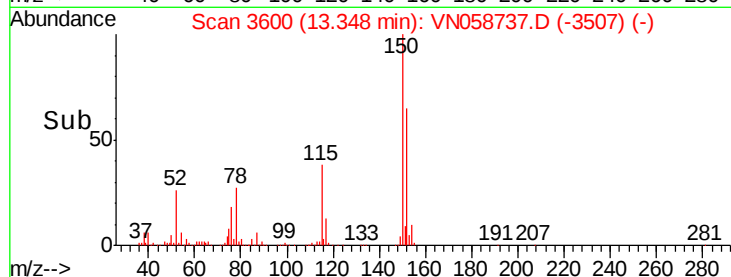
150 157.0 0.0 345.4



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: 27.740 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058737.D

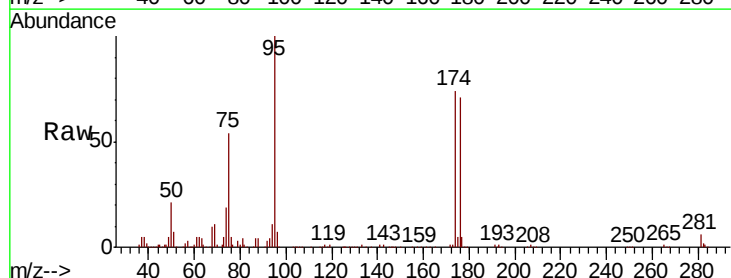
Acq: 12 Oct 2019 5:12

Tgt Ion: 75 Resp: 145532

Ion Ratio Lower Upper

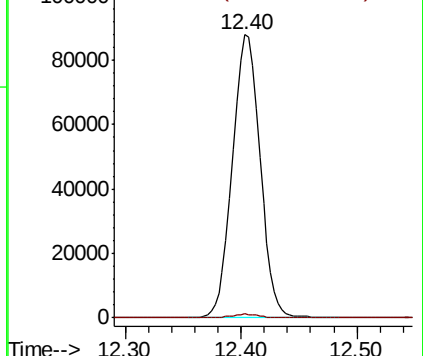
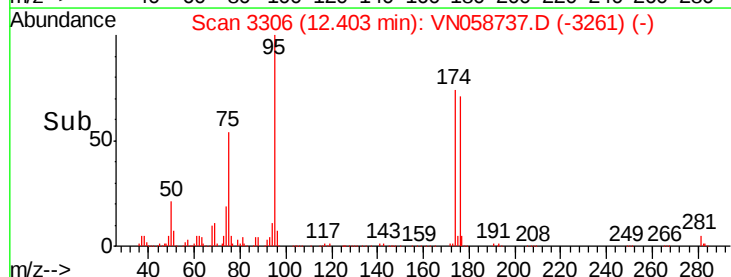
75 100

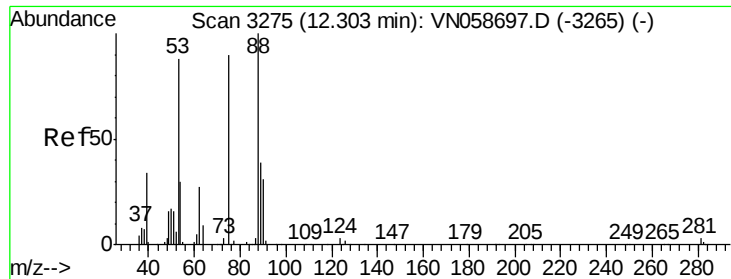
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 74.308 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058737.D

Acq: 12 Oct 2019 5:12

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 145532

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

89 0.1 34.9 52.3#

