

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058808.D
 Acq On : 16 Oct 2019 17:39
 Operator : JC/SP
 Sample : K5396-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 17 01:34:55 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	386989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	613180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	537118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	198065	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	290039	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	
35) Dibromofluoromethane	7.58	113	205445	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	
50) Toluene-d8	10.09	98	777026	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.41	95	247279	43.13	ug/l	0.00
Spiked Amount			Recovery	=	86.26%	

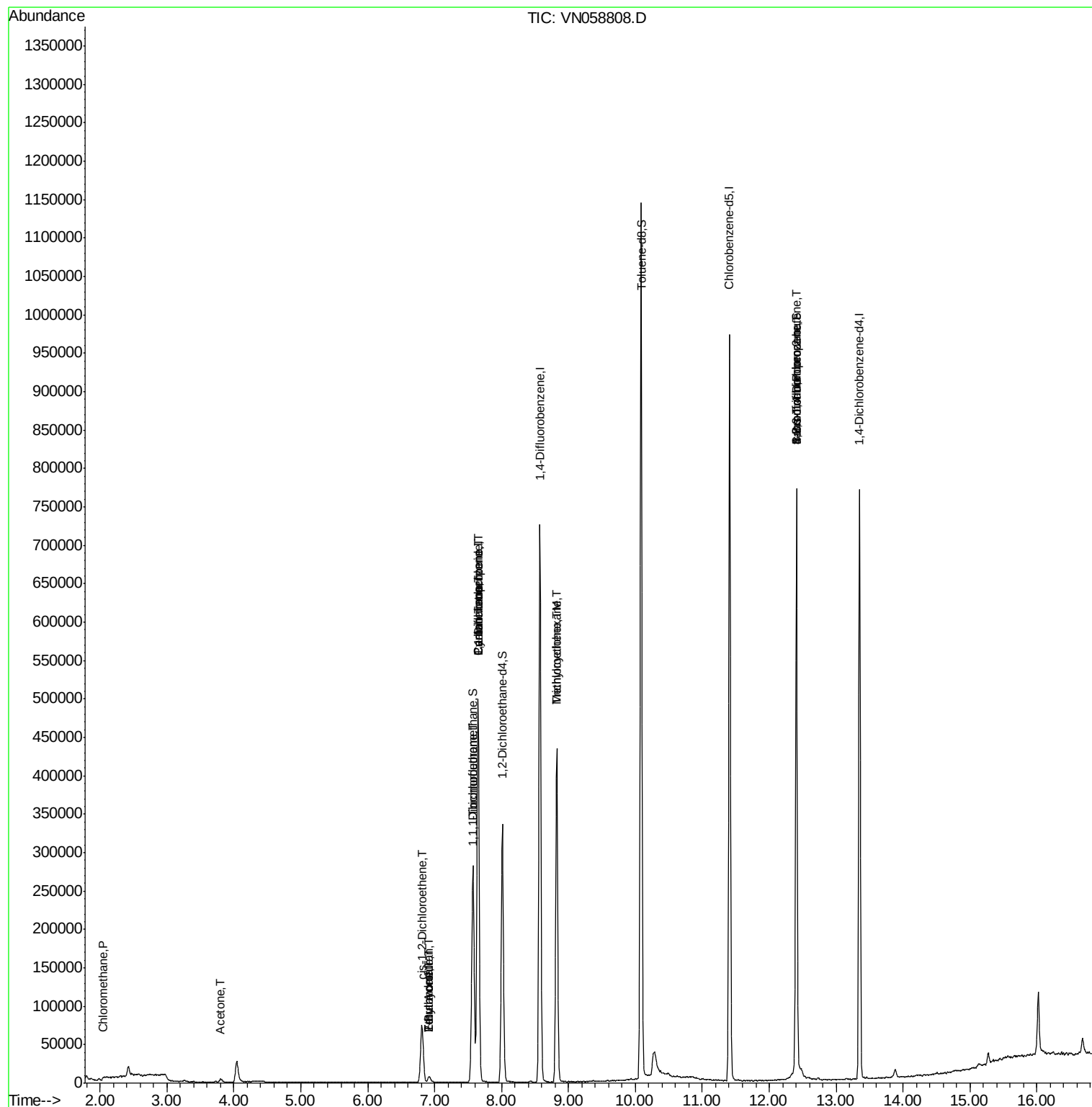
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1360	0.237	ug/l	100
16) Acetone	3.80	43	7699	3.433	ug/l	94
25) 2-Butanone	6.91	43	14000	4.318	ug/l #	50
27) cis-1,2-Dichloroethene	6.81	96	49124	10.133	ug/l	85
29) Tetrahydrofuran	6.92	42	875	0.418	ug/l #	35
31) Cyclohexane	7.65	56	9278	1.168	ug/l #	11
32) 1,1,1-Trichloroethane	7.55	97	18562	2.608	ug/l	99
36) 1,1-Dichloropropene	7.65	75	33158	5.348	ug/l #	45
37) Ethyl Acetate	6.91	43	14000	2.233	ug/l #	76
38) Carbon Tetrachloride	7.65	117	38844	6.429	ug/l #	18
39) Methylcyclohexane	8.83	83	2140	0.297	ug/l #	1
44) Trichloroethene	8.82	130	151886	34.350	ug/l	98
71) Bromoform	12.40	173	769	0.260	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	131914	30.360	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	131914	81.323	ug/l #	11

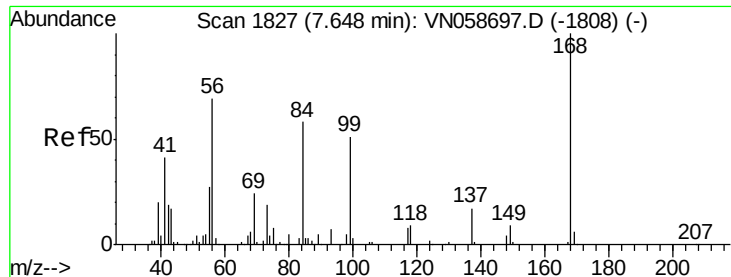
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058808.D

Acq: 16 Oct 2019 17:39

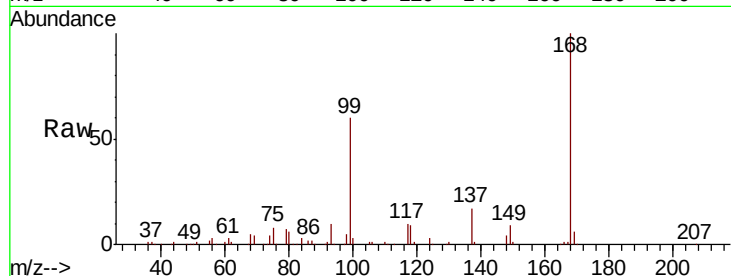
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 386989

Ion Ratio Lower Upper

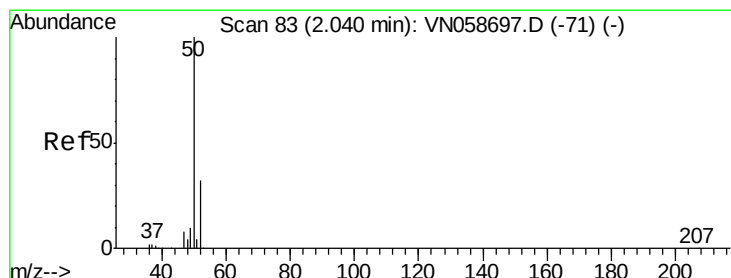
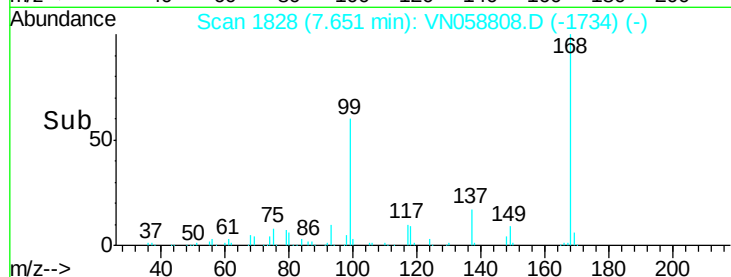
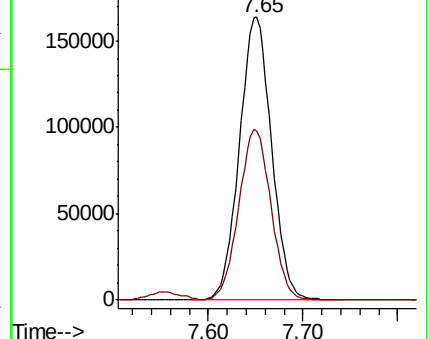
168 100

99 59.9 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: 0.237 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058808.D

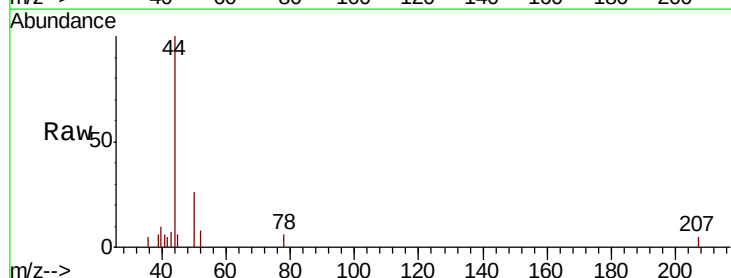
Acq: 16 Oct 2019 17:39

Tgt Ion: 50 Resp: 1360

Ion Ratio Lower Upper

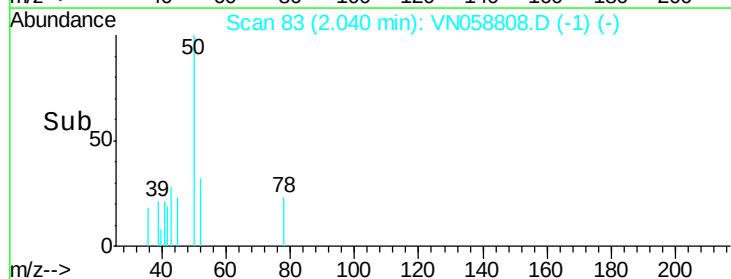
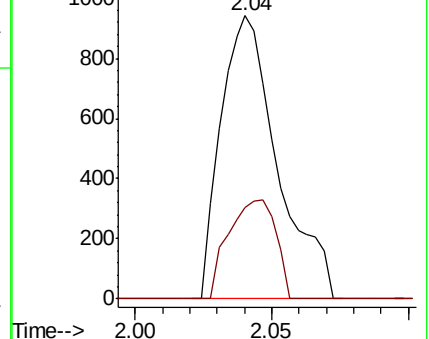
50 100

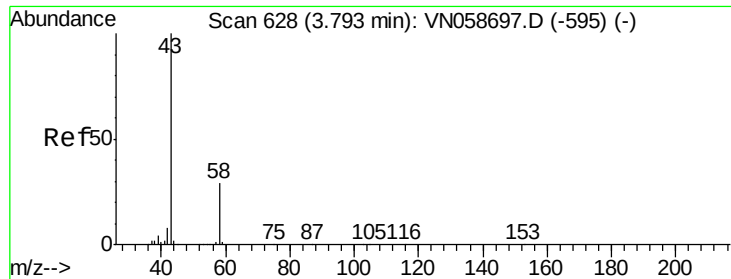
52 32.4 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

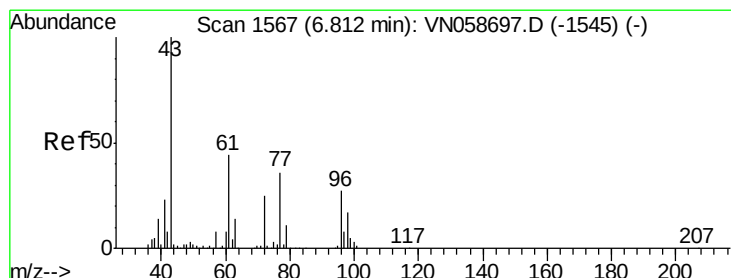
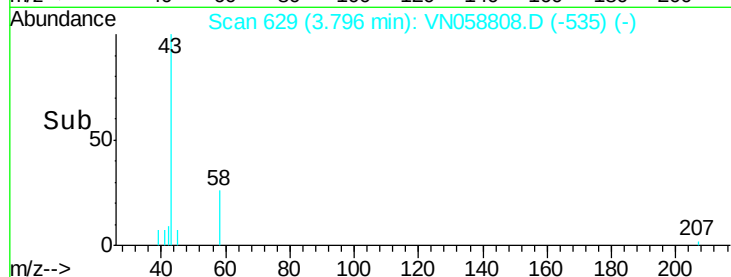
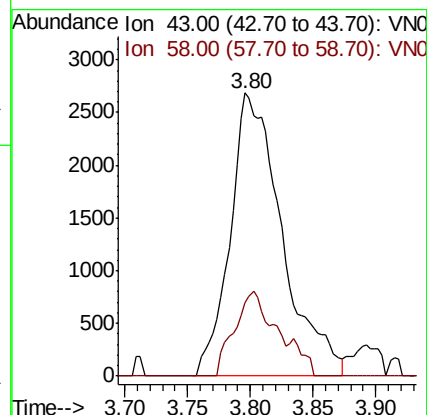
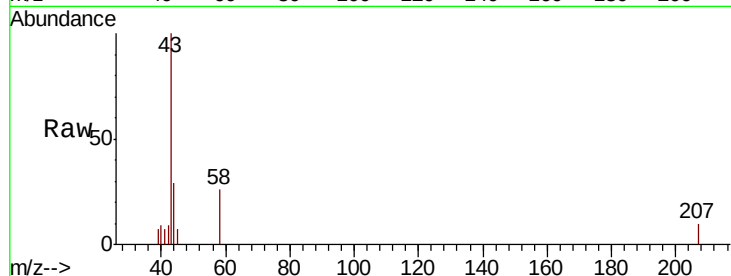




#16
Acetone
Concen: 3.433 ug/l
RT: 3.80 min Scan# 629
Delta R.T. 0.00 min
Lab File: VN058808.D
Acq: 16 Oct 2019 17:39

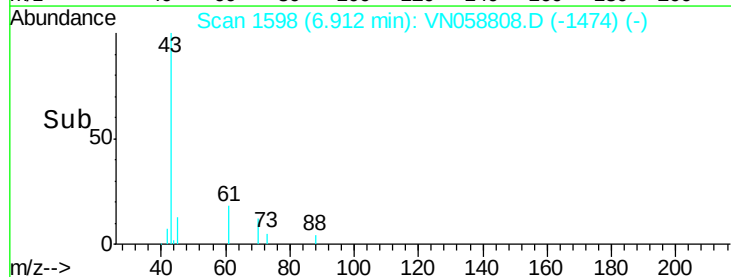
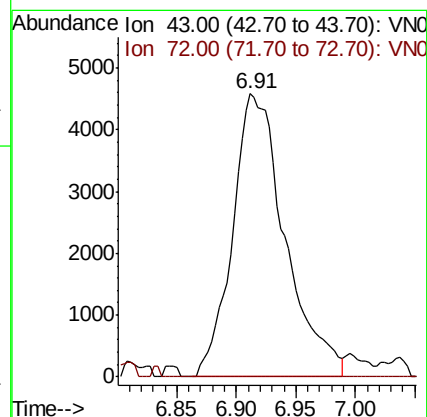
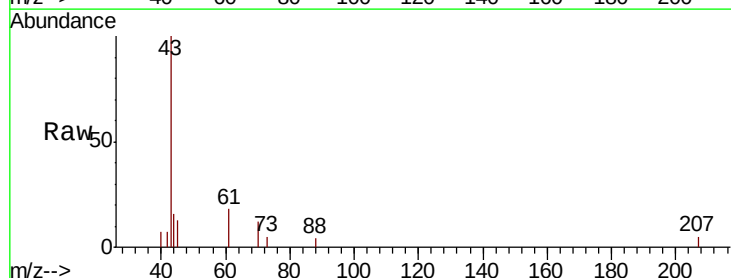
Instrument :
MSVOA_N
ClientSampled :

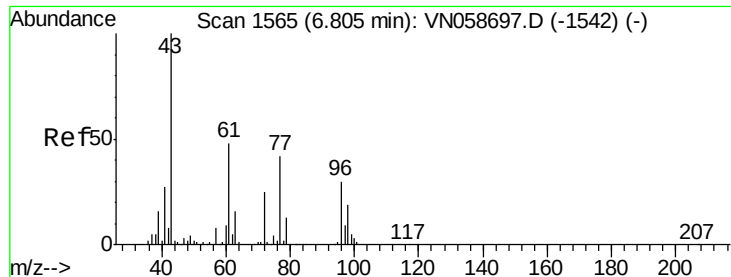
Tot Ion: 43 Resp: 7699
Ion Ratio Lower Upper
43 100
58 26.0 23.3 34.9



#25
2-Butanone
Concen: 4.318 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.10 min
Lab File: VN058808.D
Acq: 16 Oct 2019 17:39

Tgt Ion: 43 Resp: 14000
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#





#27

cis-1,2-Dichloroethene

Concen: 10.133 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058808.D

Acq: 16 Oct 2019 17:39

Instrument :
MSVOA_N
ClientSampled :

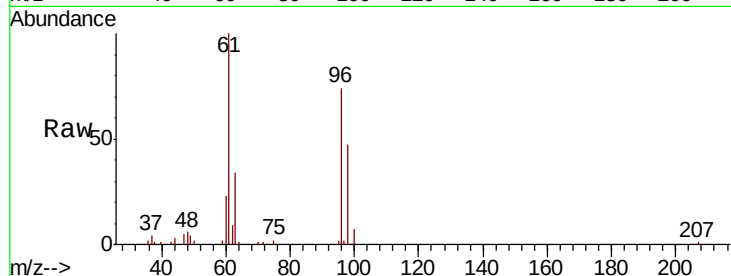
Tot Ion: 96 Resp: 49124

Ion Ratio Lower Upper

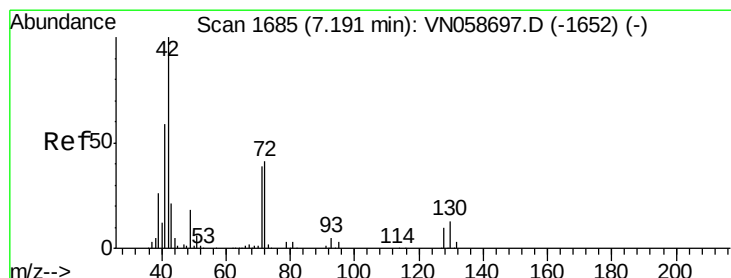
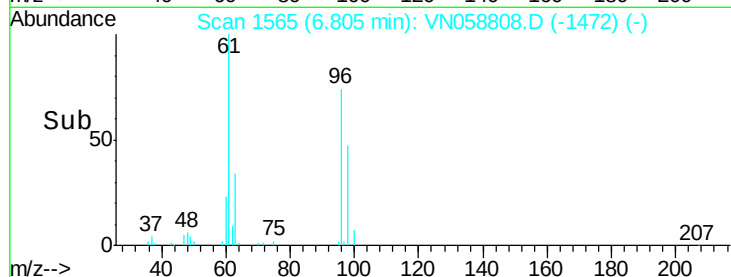
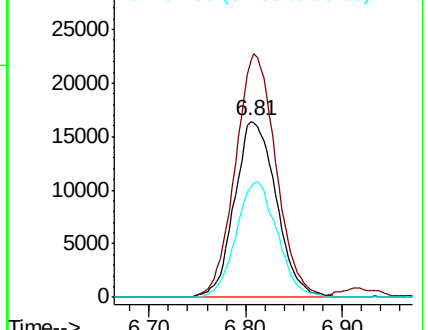
96 100

61 135.2 0.0 324.8

98 64.6 0.0 129.2



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



#29

Tetrahydrofuran

Concen: 0.418 ug/l

RT: 6.92 min Scan# 1601

Delta R.T. -0.27 min

Lab File: VN058808.D

Acq: 16 Oct 2019 17:39

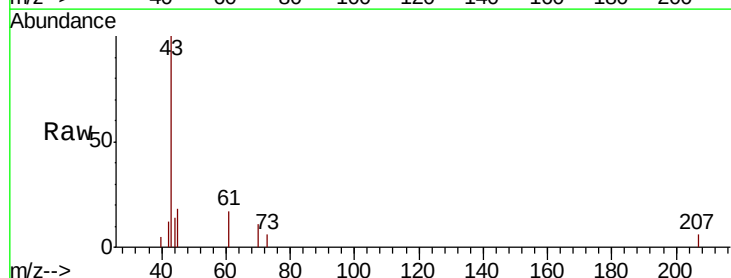
Tgt Ion: 42 Resp: 875

Ion Ratio Lower Upper

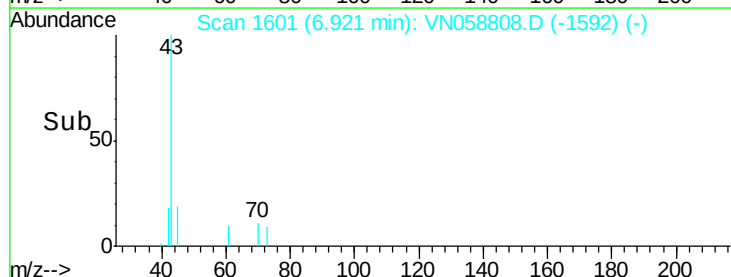
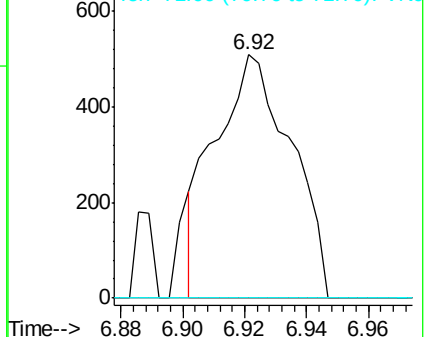
42 100

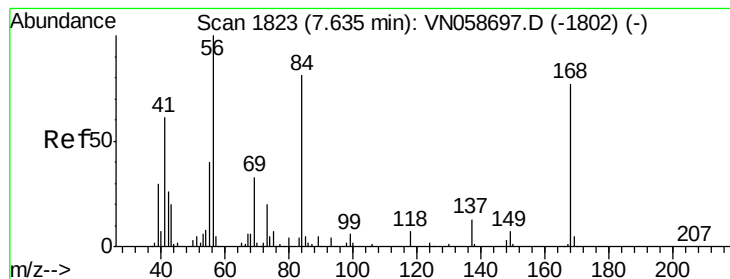
72 0.0 32.8 49.2#

71 0.0 31.1 46.7#



Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO





#31

Cyclohexane

Concen: 1.168 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.02 min

Lab File: VN058808.D

Acq: 16 Oct 2019 17:39

Instrument :
MSVOA_N
ClientSampled :

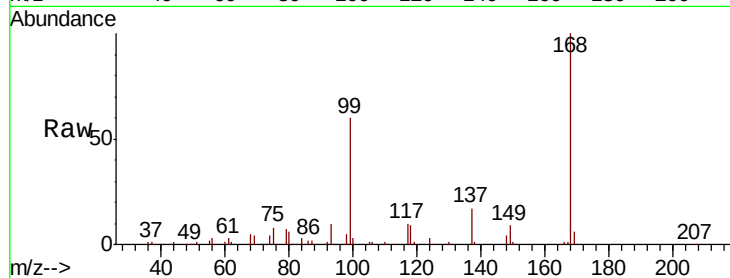
Tot Ion: 56 Resp: 9278

Ion Ratio Lower Upper

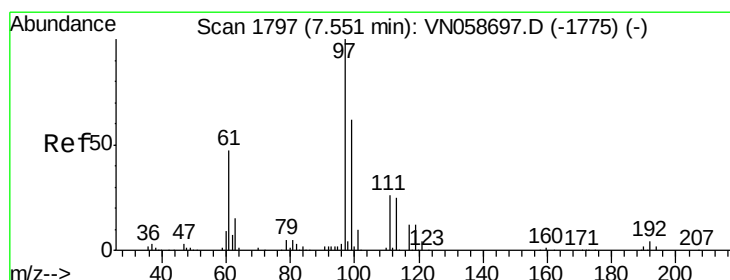
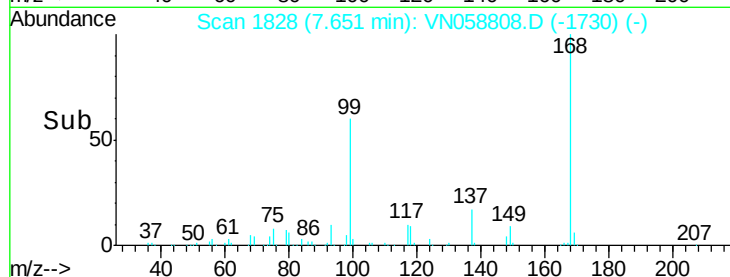
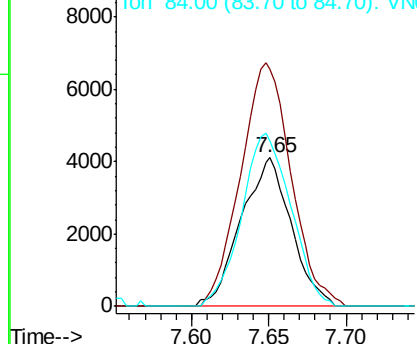
56 100

69 159.5 26.2 39.4#

84 111.4 64.9 97.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 2.608 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058808.D

Acq: 16 Oct 2019 17:39

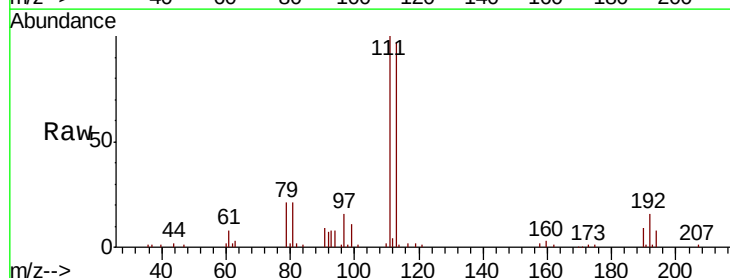
Tgt Ion: 97 Resp: 18562

Ion Ratio Lower Upper

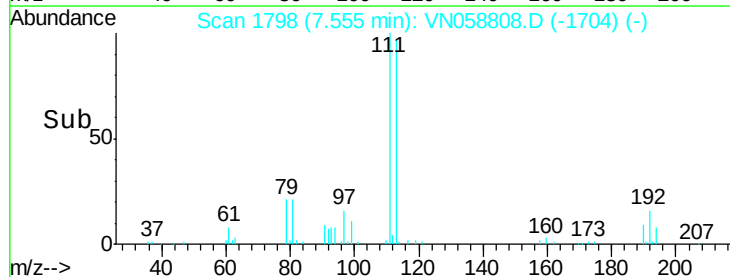
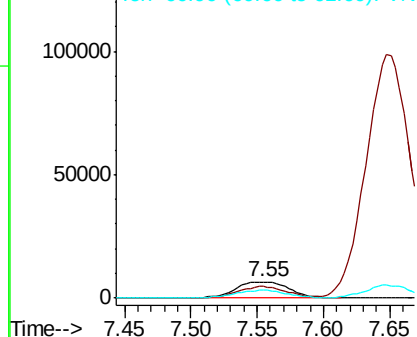
97 100

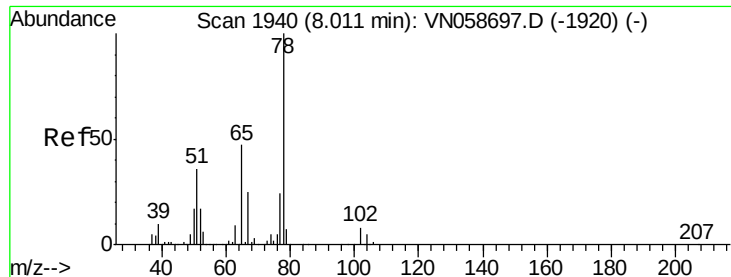
99 64.3 50.8 76.2

61 48.4 38.1 57.1



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

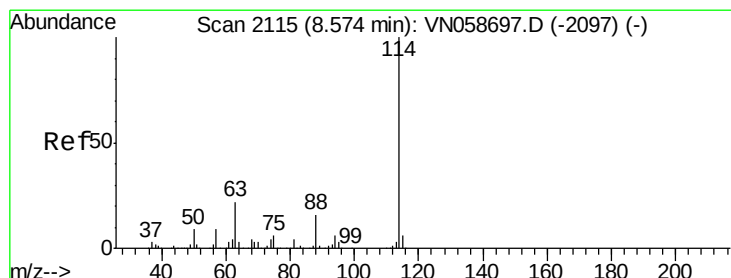
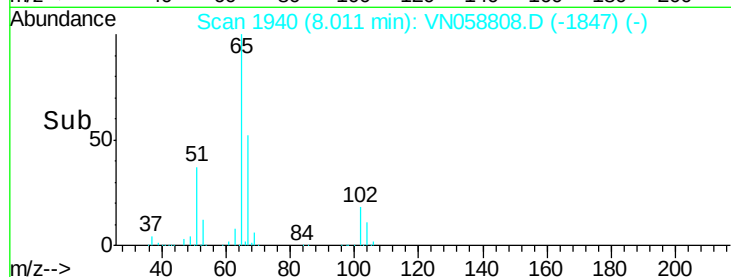
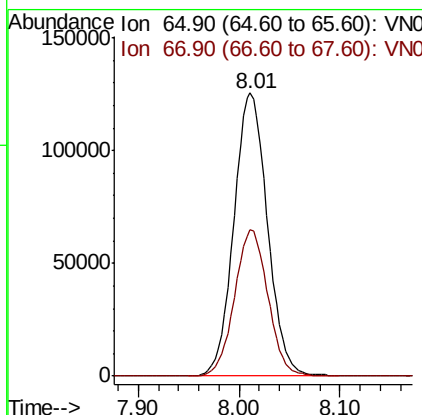
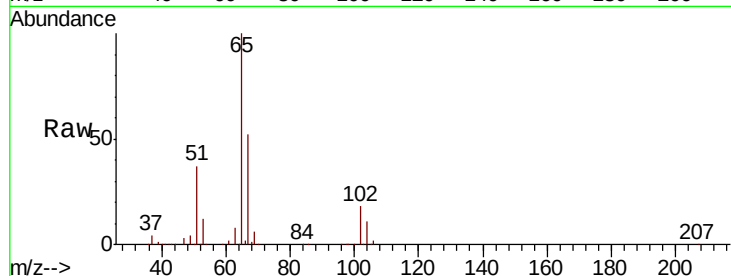




#33
 1,2-Dichloroethane-d4
 Concen: 53.535 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058808.D
 Acq: 16 Oct 2019 17:39

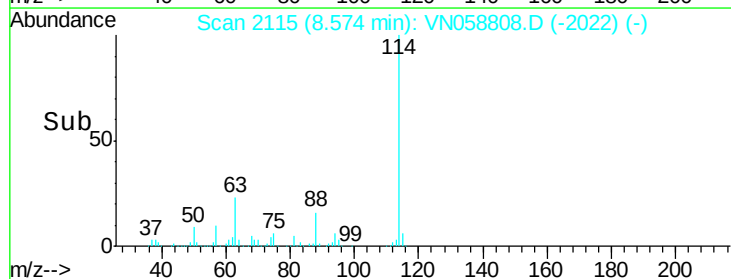
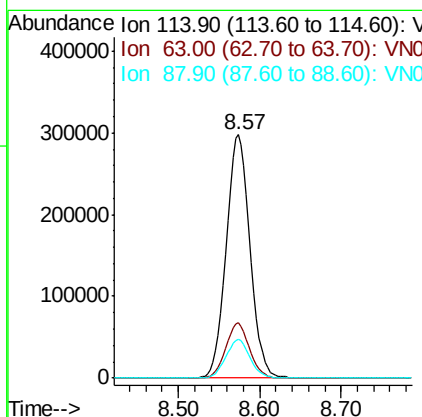
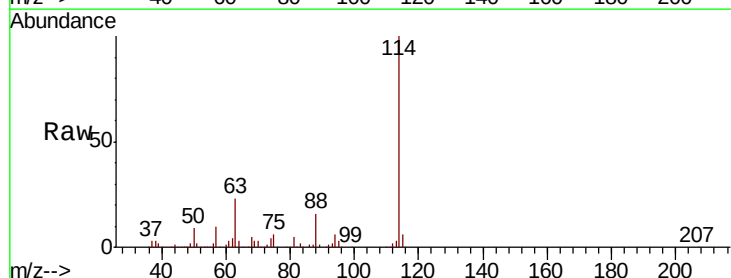
Instrument :
 MSVOA_N
 ClientSampled :

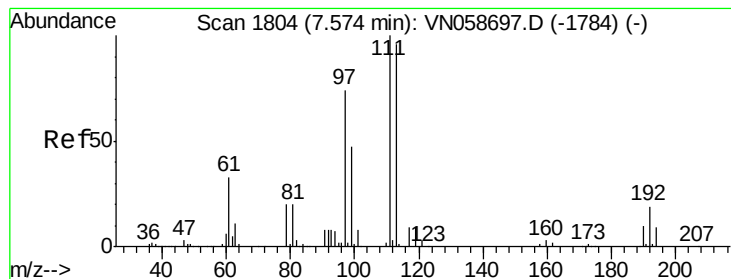
Tot Ion: 65 Resp: 290039
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058808.D
 Acq: 16 Oct 2019 17:39

Tgt Ion: 114 Resp: 613180
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.8
 88 16.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 54.243 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058808.D

Acq: 16 Oct 2019 17:39

Instrument :
MSVOA_N
ClientSampled :

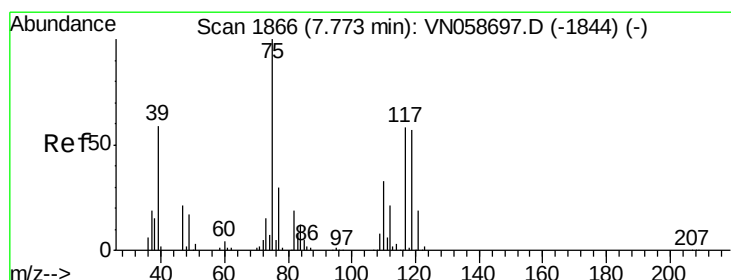
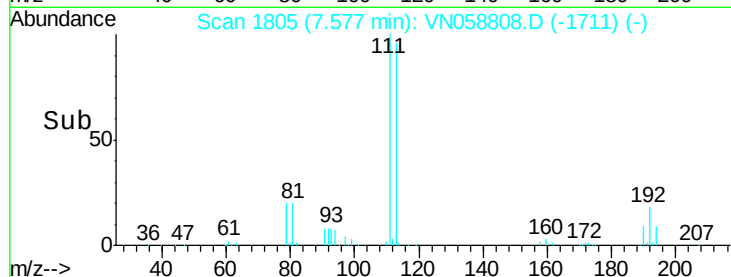
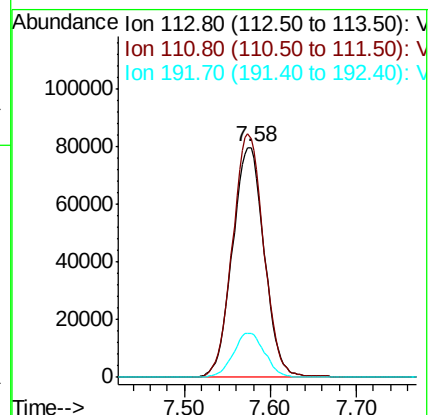
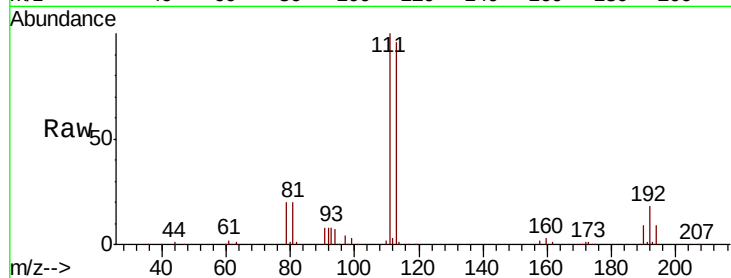
Tot Ion:113 Resp: 205445

Ion Ratio Lower Upper

113 100

111 103.3 82.3 123.5

192 18.9 15.0 22.6



#36

1,1-Dichloropropene

Concen: 5.348 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.13 min

Lab File: VN058808.D

Acq: 16 Oct 2019 17:39

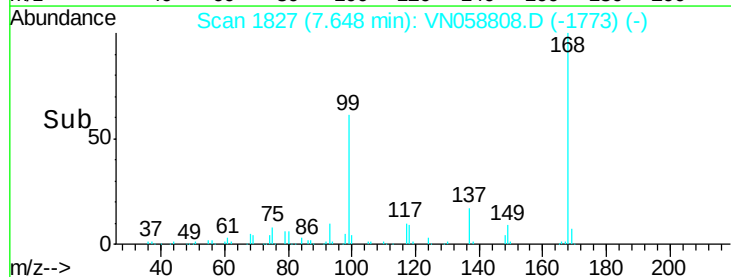
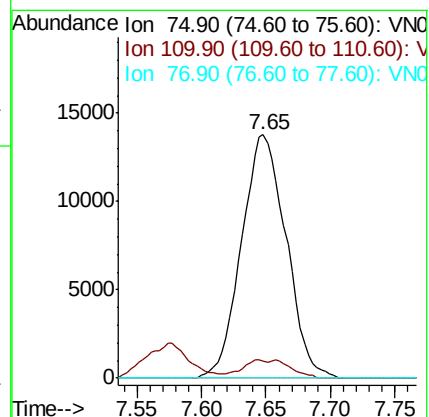
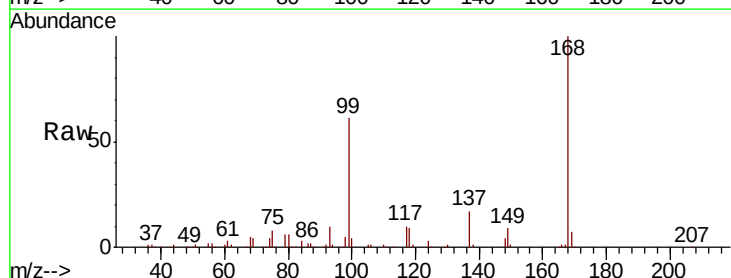
Tgt Ion: 75 Resp: 33158

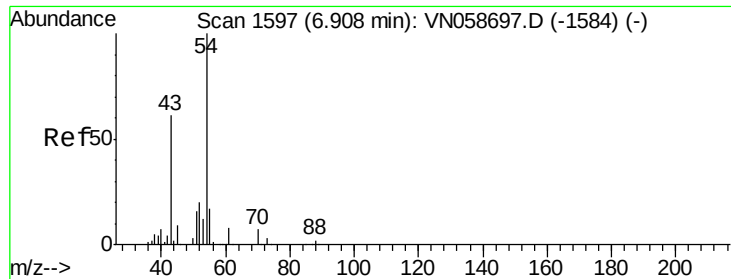
Ion Ratio Lower Upper

75 100

110 2.8 16.6 49.8#

77 0.0 24.6 37.0#

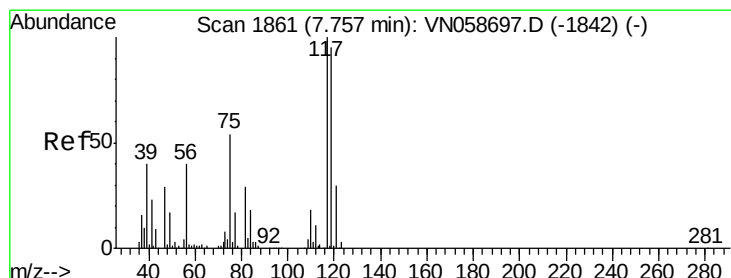
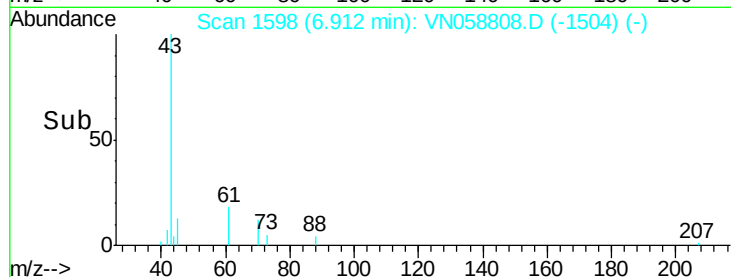
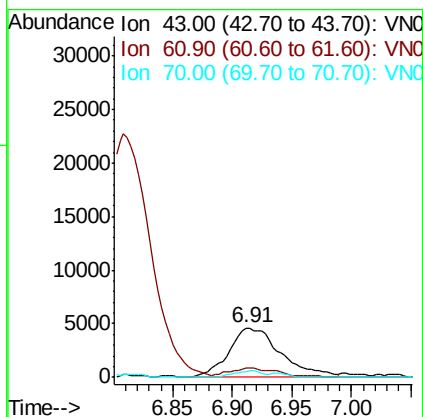
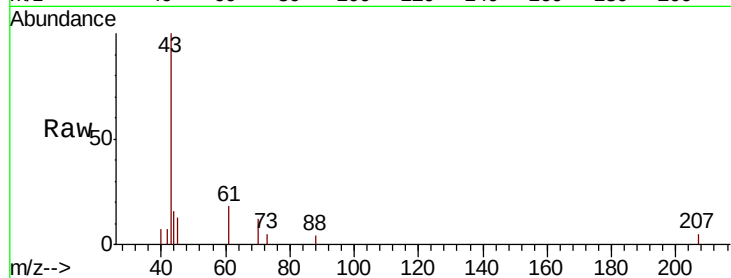




#37
Ethyl Acetate
Concen: 2.233 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058808.D
Acq: 16 Oct 2019 17:39

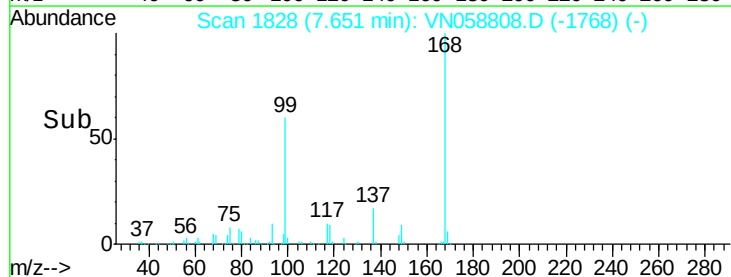
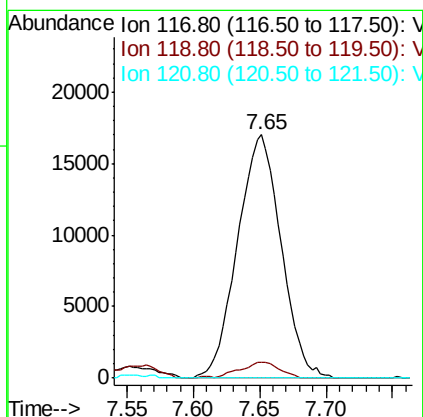
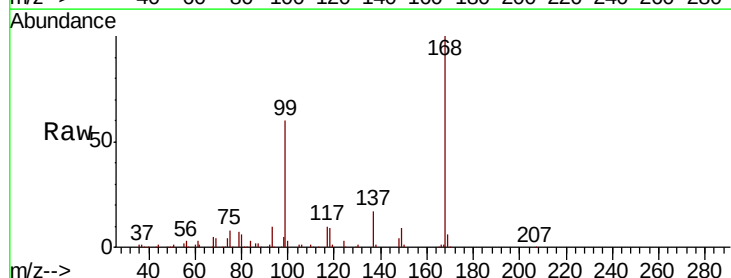
Instrument :
MSVOA_N
ClientSampleId :

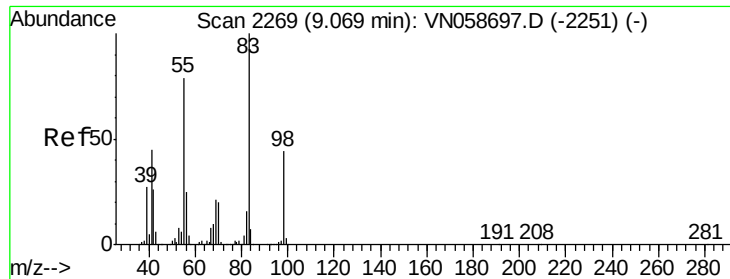
Tot Ion: 43 Resp: 14000
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 6.7 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 6.429 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN058808.D
Acq: 16 Oct 2019 17:39

Tgt Ion: 117 Resp: 38844
Ion Ratio Lower Upper
117 100
119 6.6 75.7 113.5#
121 0.0 23.9 35.9#

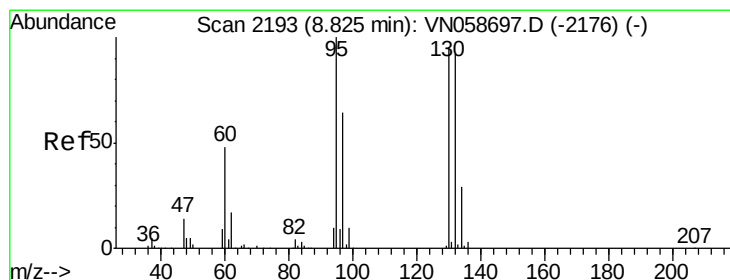
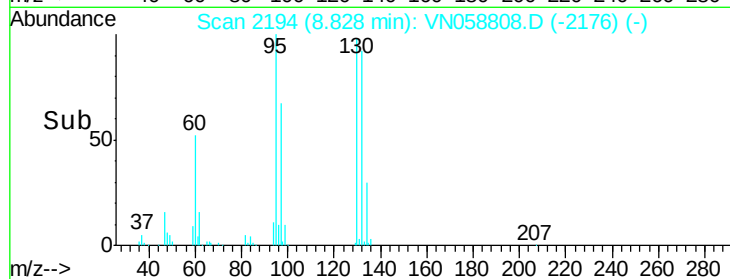
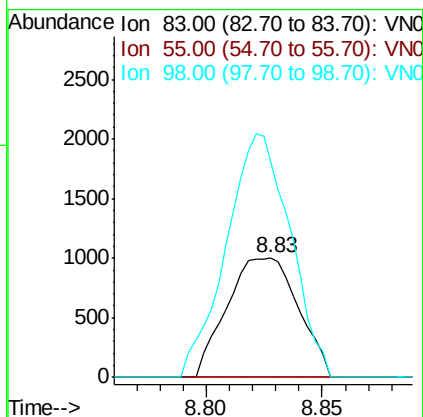
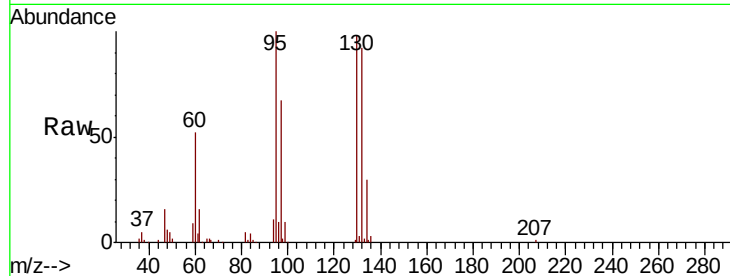




#39
Methylvlcyclohexane
Concen: 0.297 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. -0.24 min
Lab File: VN058808.D
Acq: 16 Oct 2019 17:39

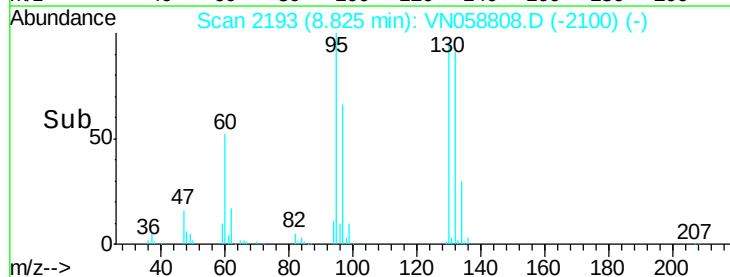
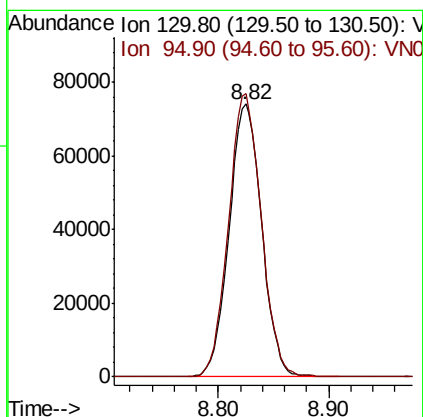
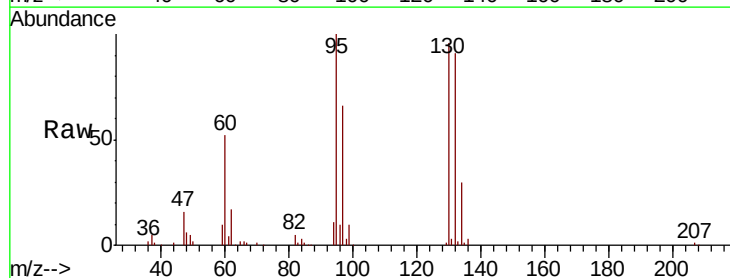
Instrument :
MSVOA_N
ClientSampled :

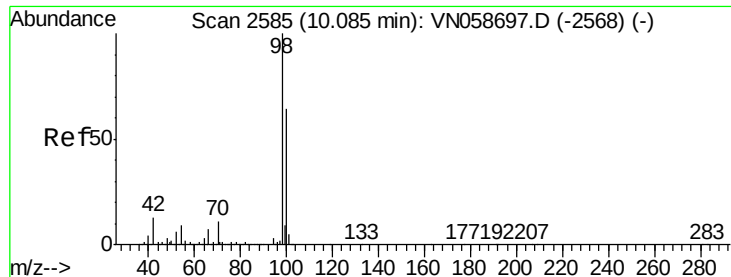
Tot Ion: 83 Resp: 2140
Ion Ratio Lower Upper
83 100
55 0.0 63.4 95.0#
98 180.9 35.1 52.7#



#44
Trichloroethene
Concen: 34.350 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058808.D
Acq: 16 Oct 2019 17:39

Tgt Ion:130 Resp: 151886
Ion Ratio Lower Upper
130 100
95 103.8 0.0 211.2





#50

Toluene-d8

Concen: 51.304 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058808.D

Acq: 16 Oct 2019 17:39

Instrument :

MSVOA_N

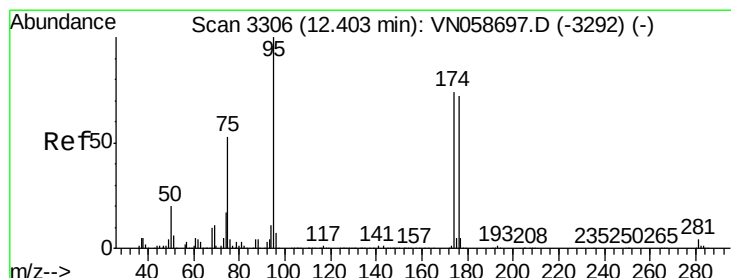
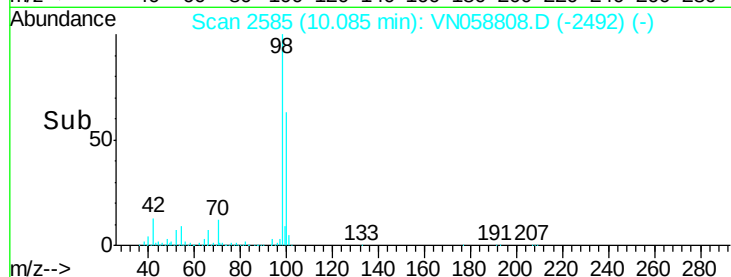
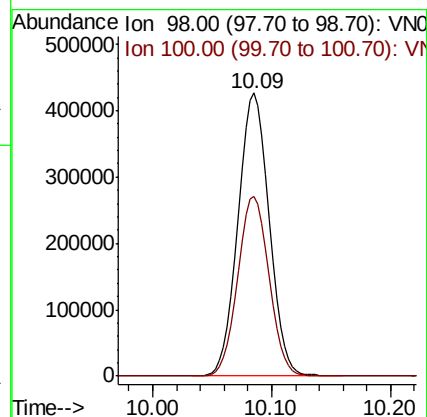
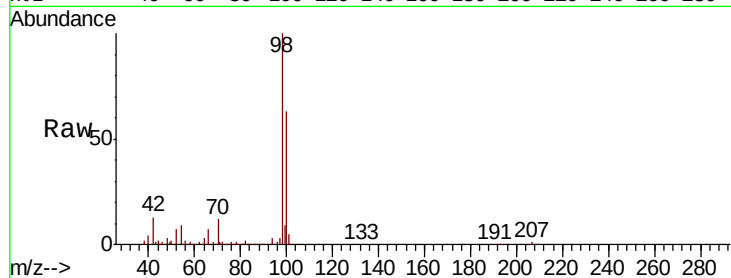
ClientSampled :

Tot Ion: 98 Resp: 777026

Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 43.132 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058808.D

Acq: 16 Oct 2019 17:39

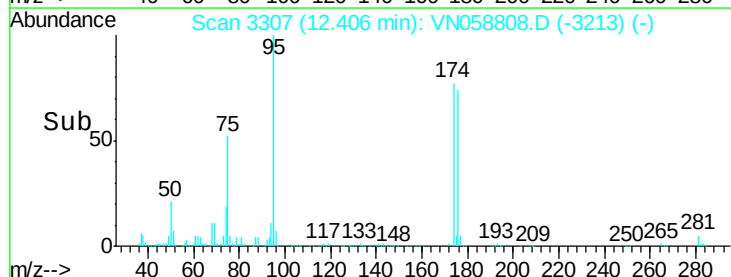
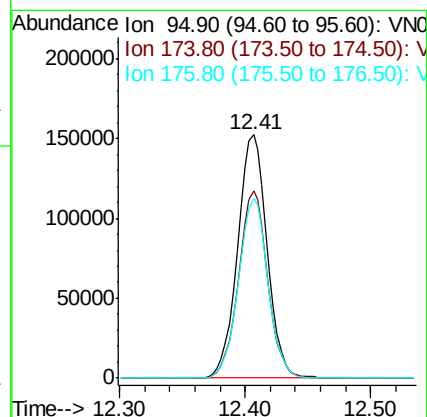
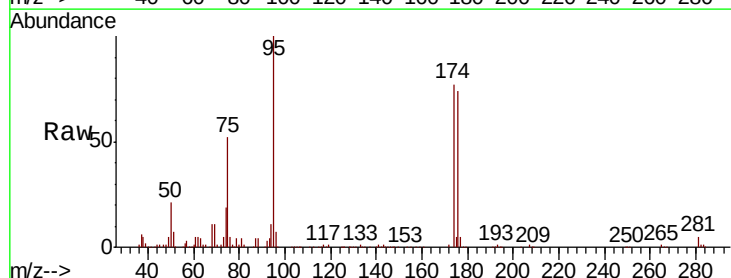
Tgt Ion: 95 Resp: 247279

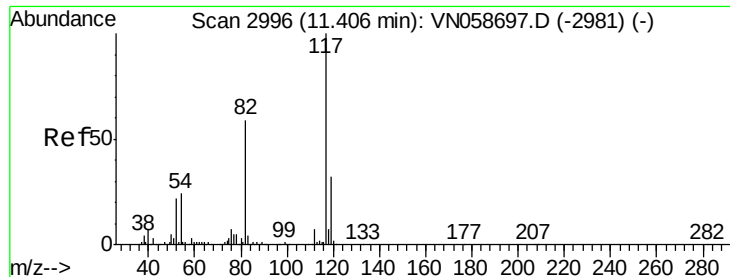
Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.4

176 74.0 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: VN058808.D

Acq: 16 Oct 2019 17:39

Instrument :

MSVOA_N

ClientSampled :

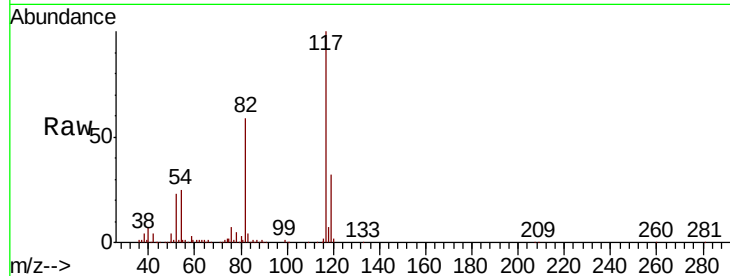
Tot Ion:117 Resp: 537118

Ion Ratio Lower Upper

117 100

82 58.6 47.0 70.4

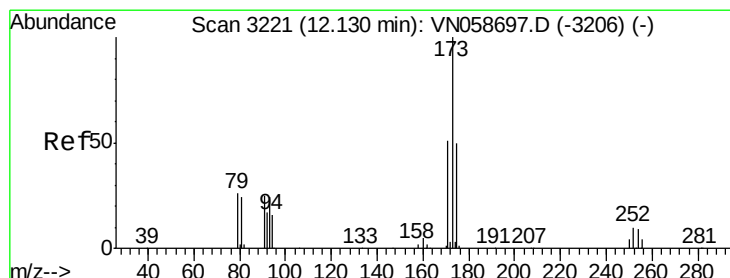
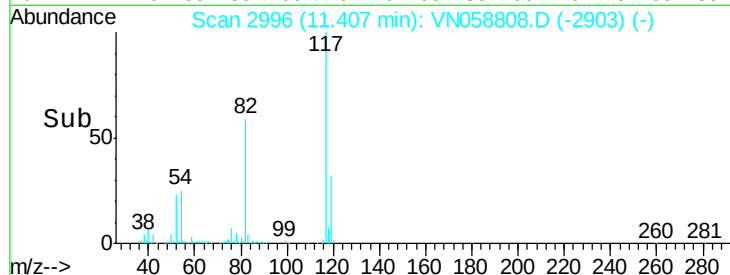
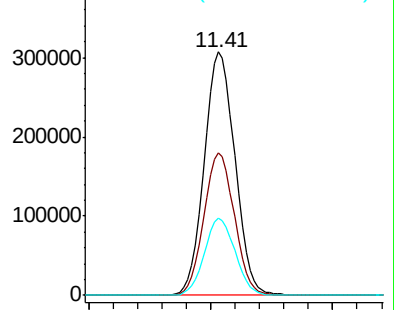
119 31.6 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.260 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN058808.D

Acq: 16 Oct 2019 17:39

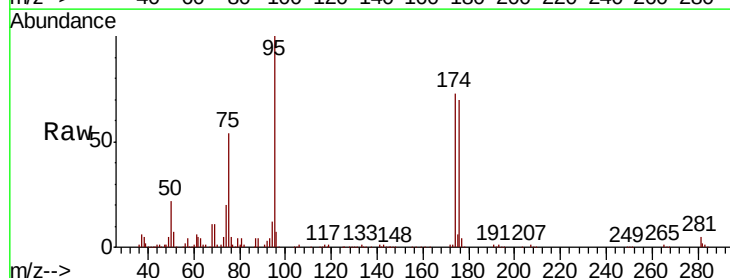
Tgt Ion:173 Resp: 769

Ion Ratio Lower Upper

173 100

175 1562.9 24.6 73.8#

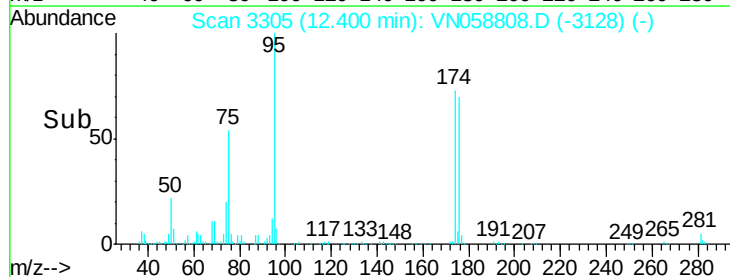
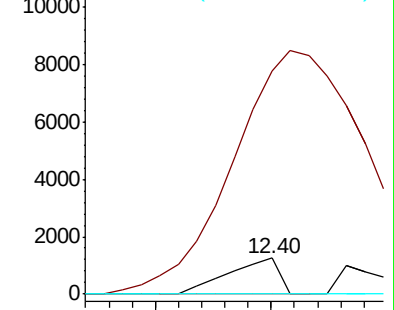
254 0.0 0.1 0.1#

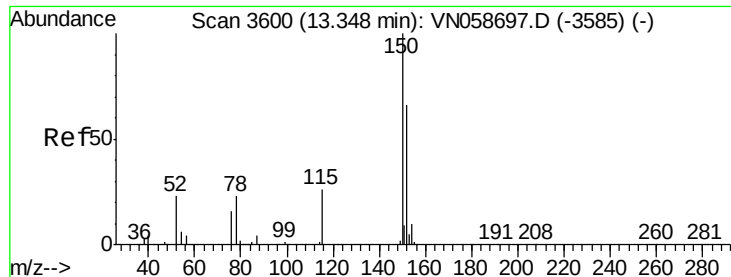


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058808.D

Acq: 16 Oct 2019 17:39

Instrument :

MSVOA_N

ClientSampled :

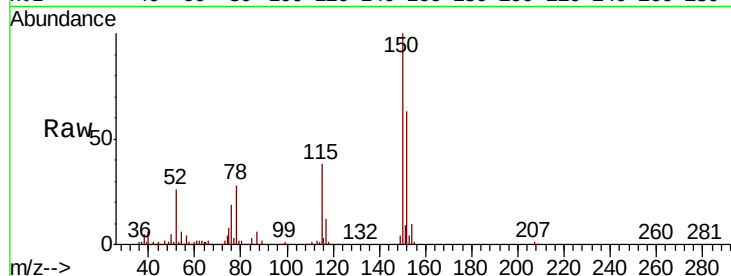
Tot Ion:152 Resp: 198065

Ion Ratio Lower Upper

152 100

115 59.8 30.4 91.2

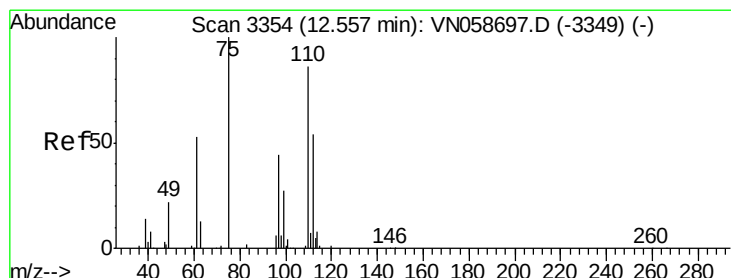
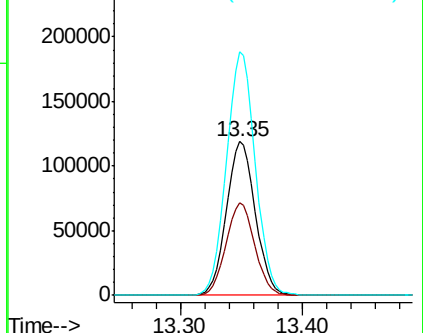
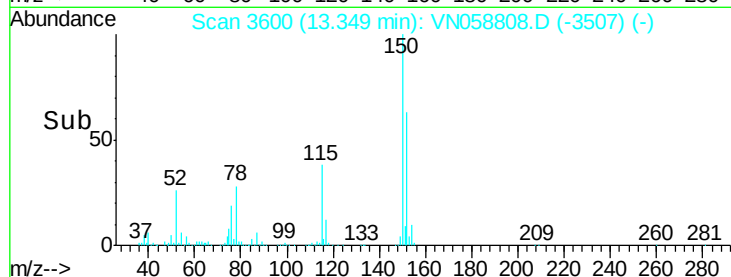
150 157.6 0.0 345.4



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: 30.360 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058808.D

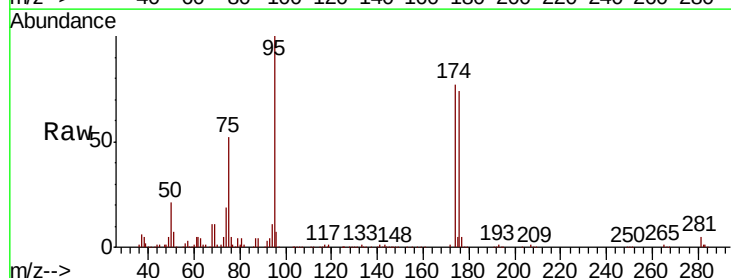
Acq: 16 Oct 2019 17:39

Tgt Ion: 75 Resp: 131914

Ion Ratio Lower Upper

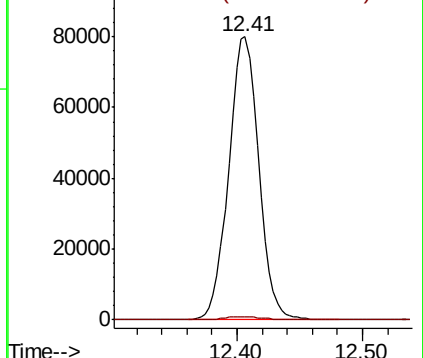
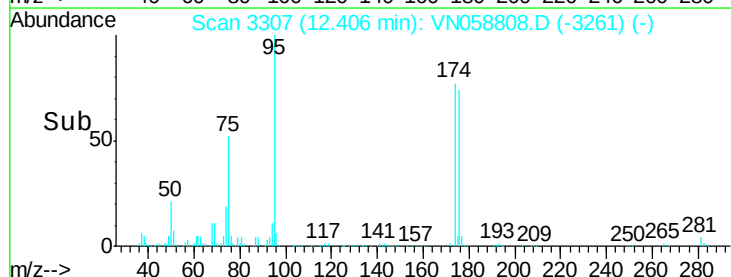
75 100

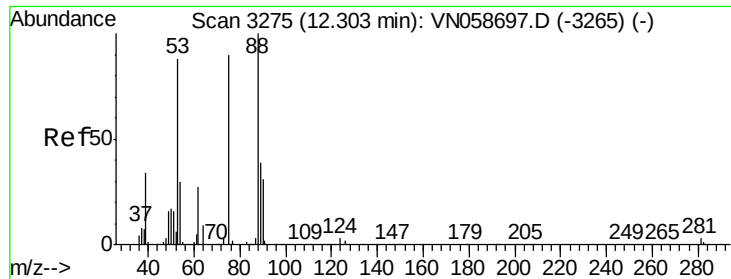
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

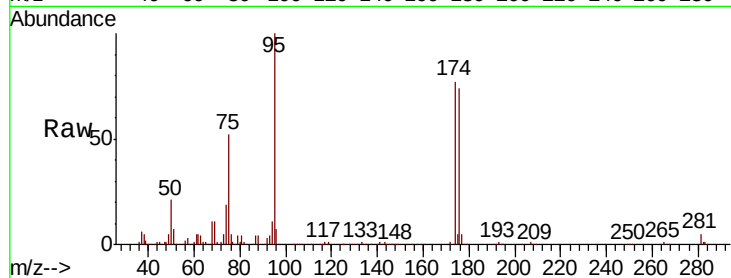




#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.323 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN058808.D
 Acq: 16 Oct 2019 17:39

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 131914
 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): VN0
 Ion 53.00 (52.70 to 53.70): VN0
 Ion 88.90 (88.60 to 89.60): VN0

