

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058712.D
 Acq On : 11 Oct 2019 19:17
 Operator : JC/SP
 Sample : K5349-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 00:13:19 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	433726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	693709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	608760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	247146	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	305998	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
35) Dibromofluoromethane	7.57	113	222999	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
50) Toluene-d8	10.08	98	867963	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.41	95	284966	43.94	ug/l	0.00
Spiked Amount			Recovery	=	87.88%	

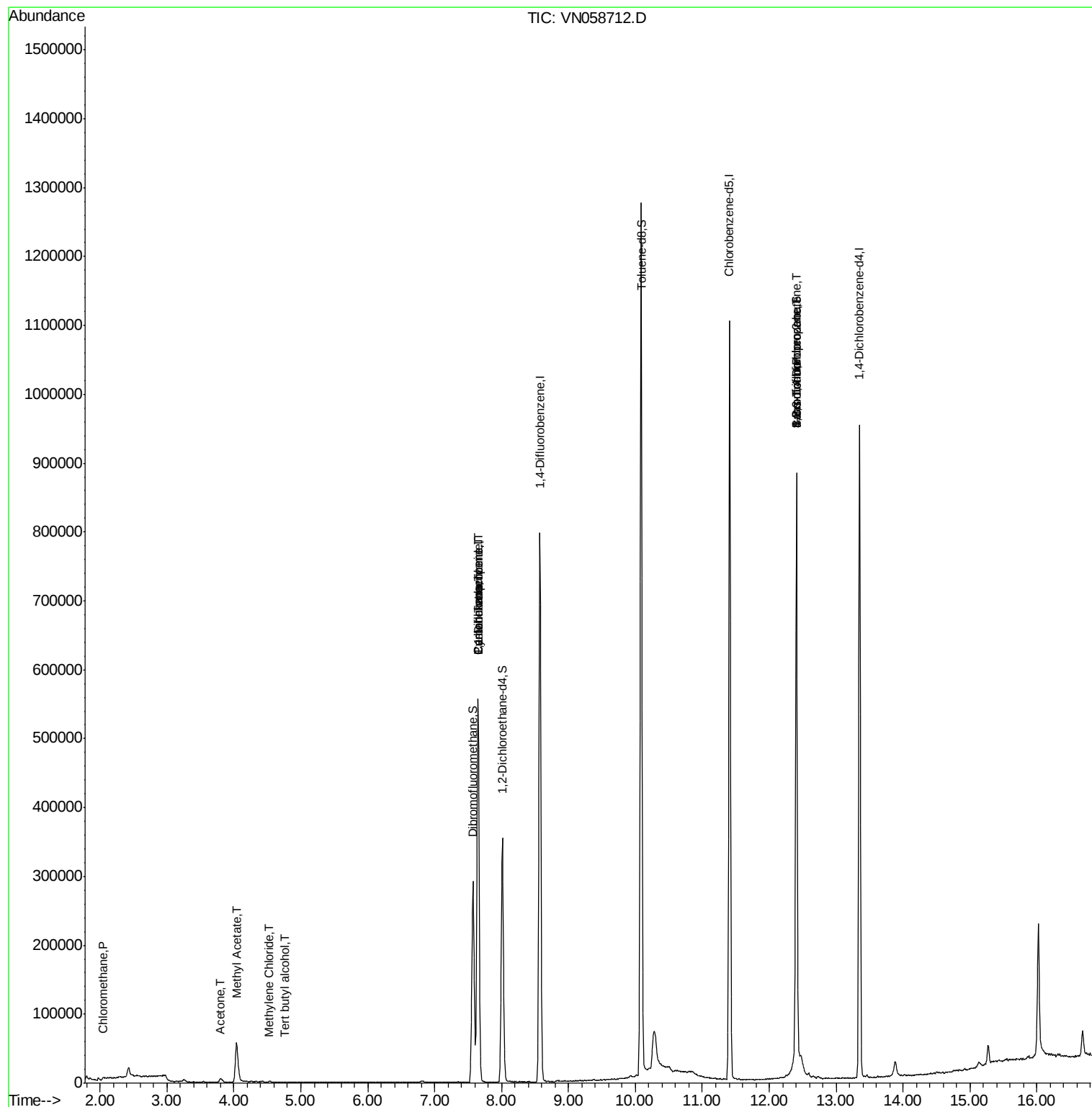
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1548	0.241	ug/l	93
11) Tert butyl alcohol	4.76	59	512	0.521	ug/l #	72
16) Acetone	3.80	43	9636	3.833	ug/l	99
18) Methyl Acetate	4.04	43	21819	3.422	ug/l #	54
20) Methylene Chloride	4.53	84	1058	0.201	ug/l #	92
31) Cyclohexane	7.65	56	10600	1.190	ug/l #	22
36) 1,1-Dichloropropene	7.65	75	36033	5.137	ug/l #	51
38) Carbon Tetrachloride	7.65	117	42860	6.270	ug/l #	17
71) Bromoform	12.41	173	1479	0.441	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	153084	28.235	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	153084	75.633	ug/l #	11

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

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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: VN058712.D

Acq: 11 Oct 2019 19:17

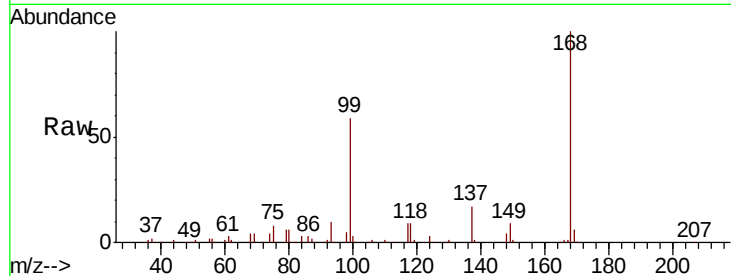
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 433726

Ion Ratio Lower Upper

168 100

99 58.5 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

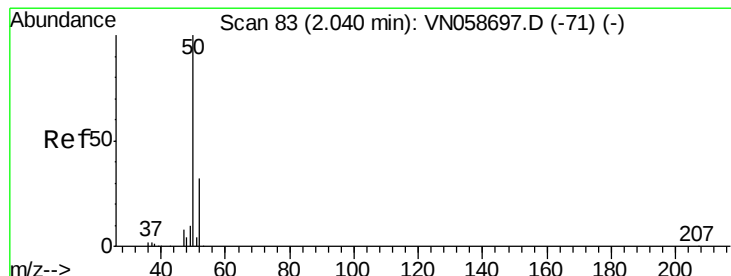
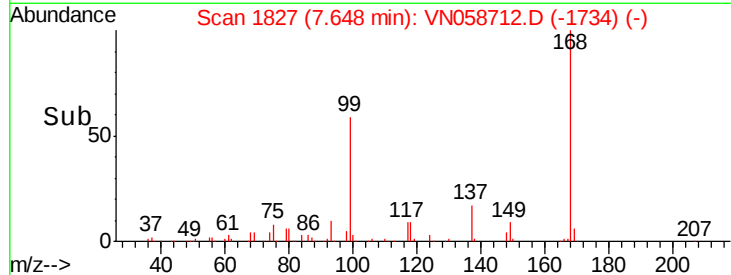
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.241 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058712.D

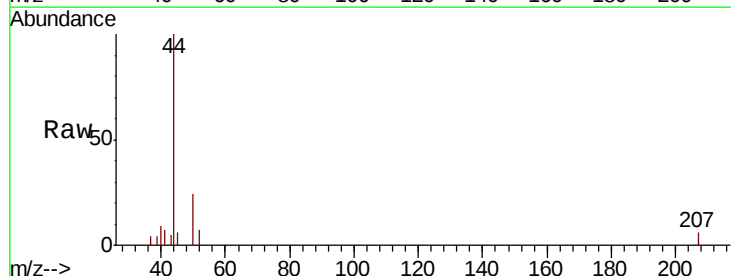
Acq: 11 Oct 2019 19:17

Tgt Ion: 50 Resp: 1548

Ion Ratio Lower Upper

50 100

52 28.5 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1200

1000

800

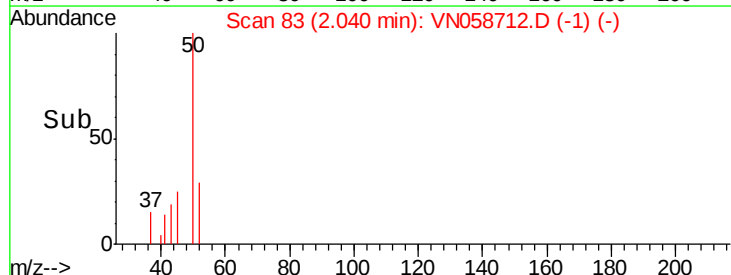
600

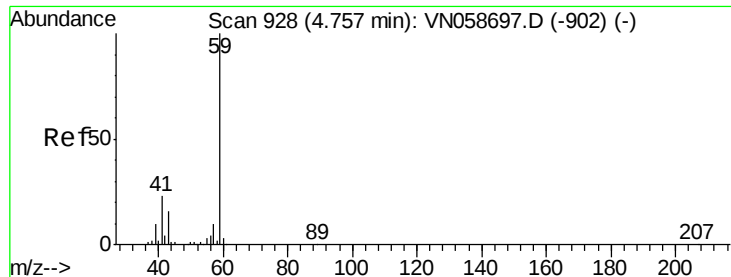
400

200

0

Time-->



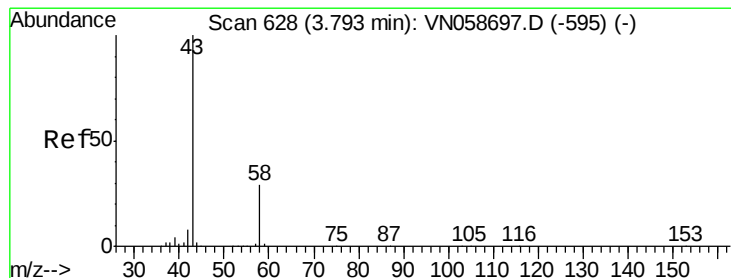
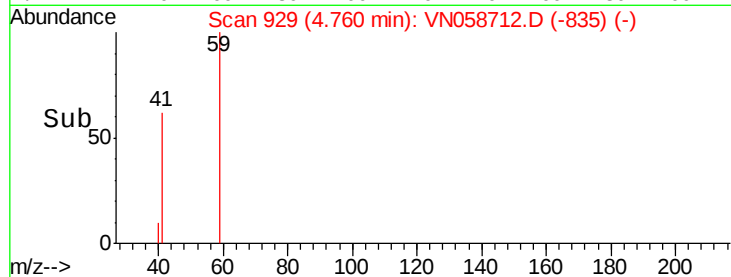
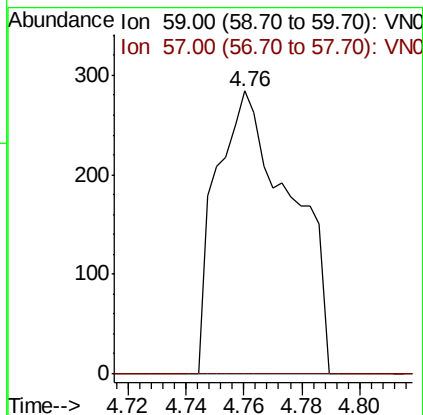
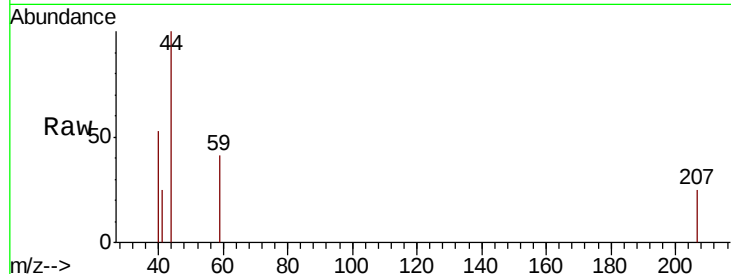


#11

Tert butyl alcohol
 Concen: 0.521 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058712.D
 Acq: 11 Oct 2019 19:17

Instrument :
 MSVOA_N
 ClientSampleId :

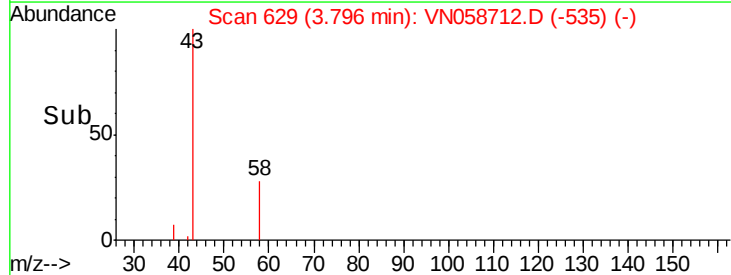
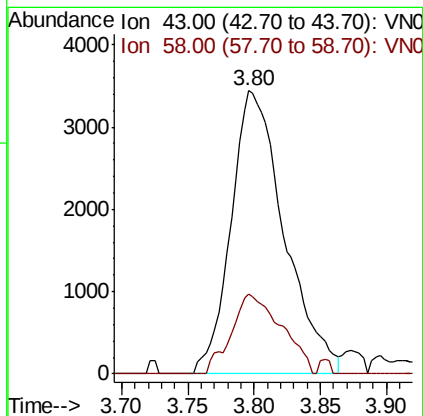
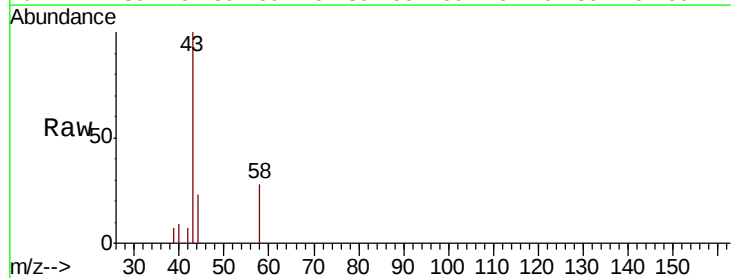
Tot Ion: 59 Resp: 512
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

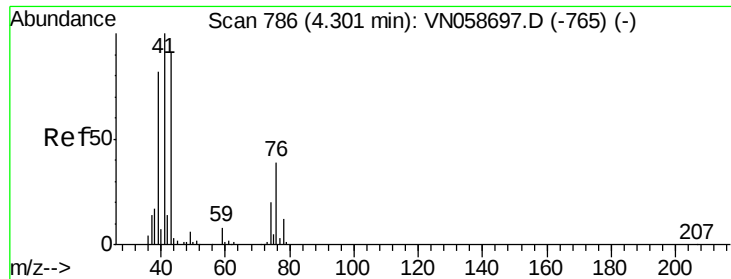


#16

Acetone
 Concen: 3.833 ug/l
 RT: 3.80 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN058712.D
 Acq: 11 Oct 2019 19:17

Tgt Ion: 43 Resp: 9636
 Ion Ratio Lower Upper
 43 100
 58 28.4 23.3 34.9

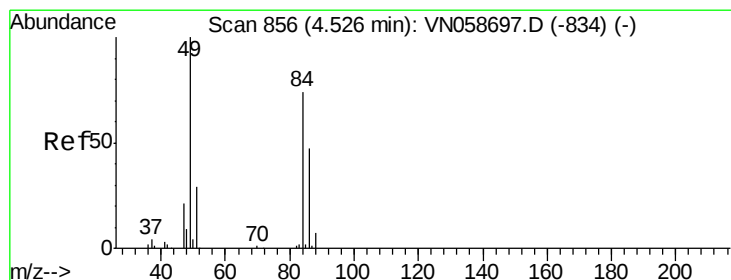
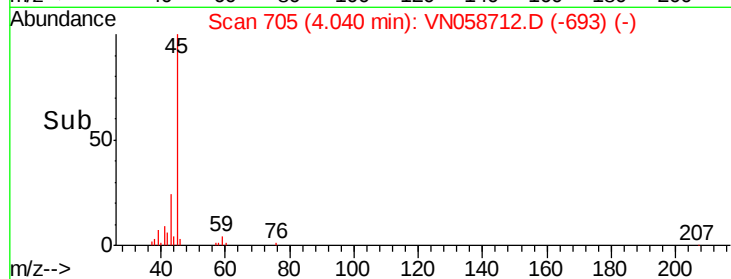
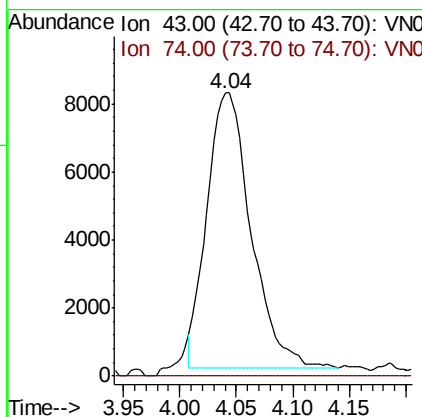
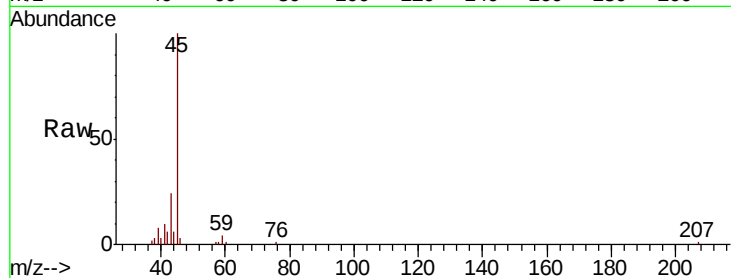




#18
Methvl Acetate
Concen: 3.422 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.26 min
Lab File: VN058712.D
Acq: 11 Oct 2019 19:17

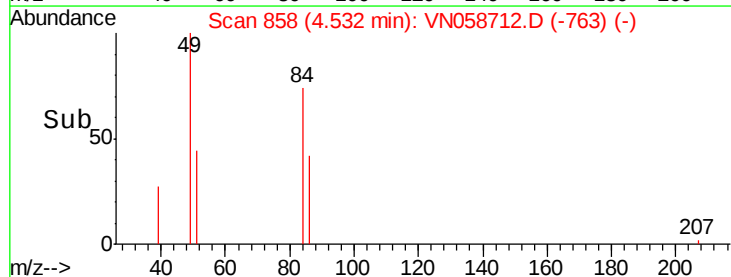
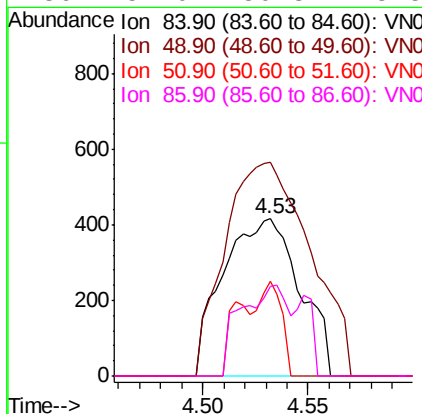
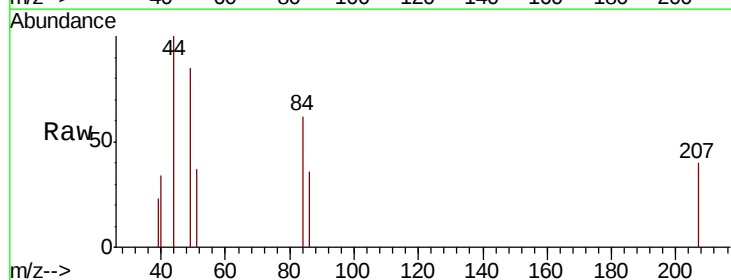
Instrument :
MSVOA_N
ClientSampleId :

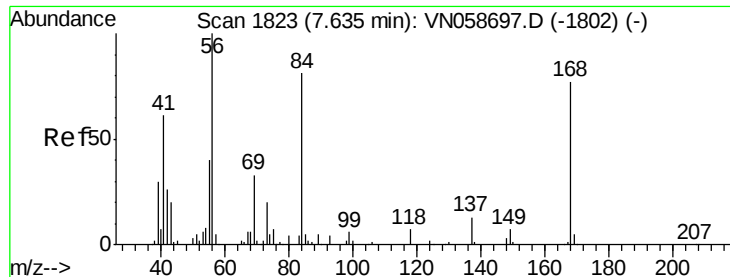
Tot Ion: 43 Resp: 21819
Ion Ratio Lower Upper
43 100
74 0.0 17.2 25.8#



#20
Methylene Chloride
Concen: 0.201 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058712.D
Acq: 11 Oct 2019 19:17

Tgt Ion: 84 Resp: 1058
Ion Ratio Lower Upper
84 100
49 135.8 107.6 161.4
51 60.1 31.4 47.0#
86 57.0 50.3 75.5

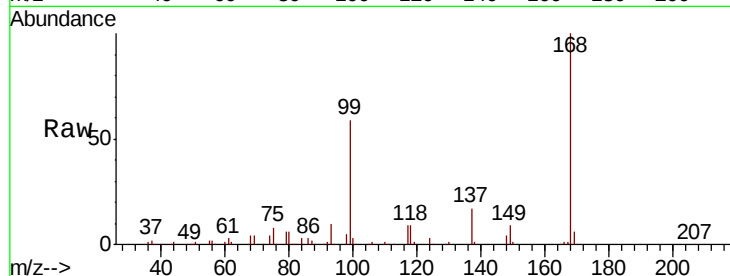




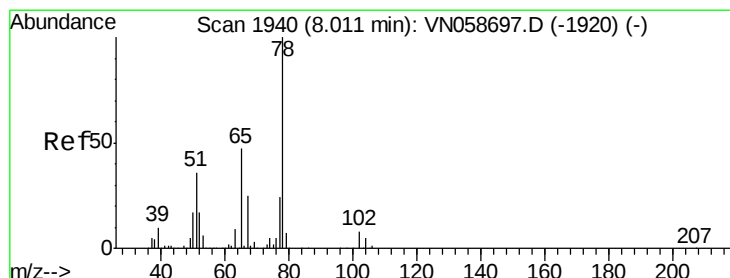
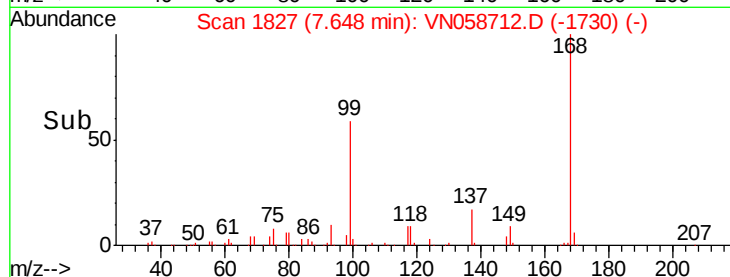
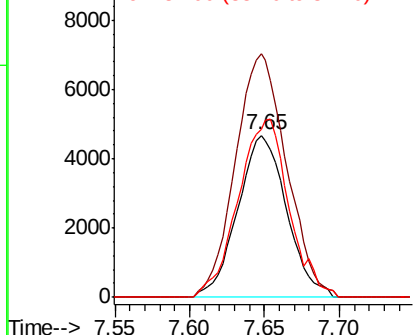
#31
Cyclohexane
Concen: 1.190 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058712.D
Acq: 11 Oct 2019 19:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 10600
Ion Ratio Lower Upper
56 100
69 150.6 26.2 39.4#
84 103.8 64.9 97.3#

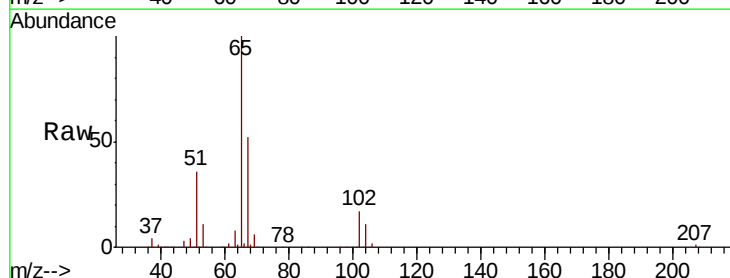


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

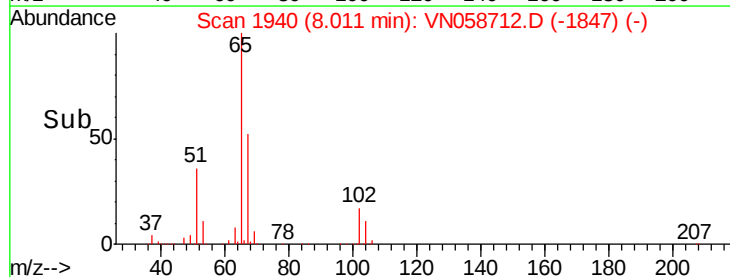
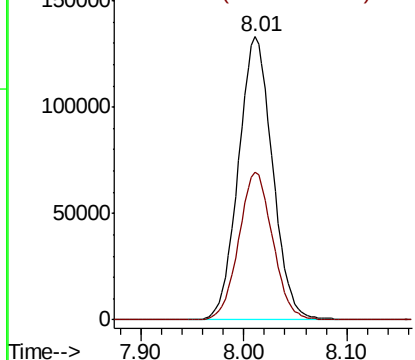


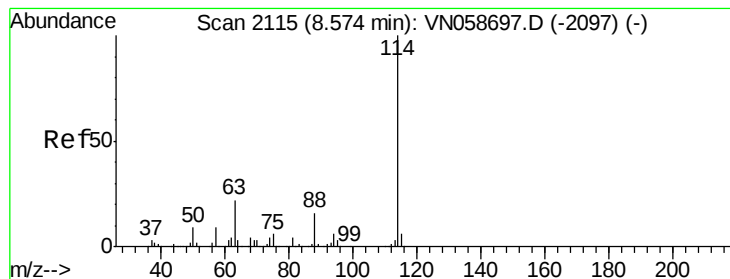
#33
1,2-Dichloroethane-d4
Concen: 50.394 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. -0.00 min
Lab File: VN058712.D
Acq: 11 Oct 2019 19:17

Tgt Ion: 65 Resp: 305998
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058712.D

Acq: 11 Oct 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

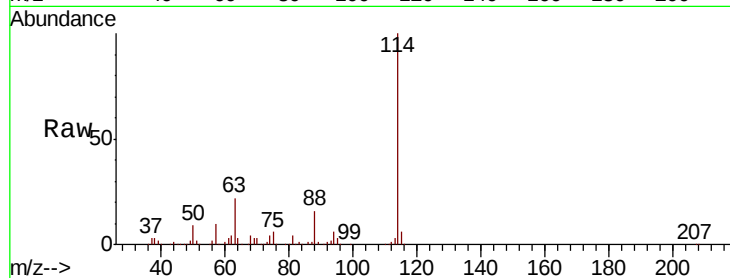
Tot Ion:114 Resp: 693709

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.8

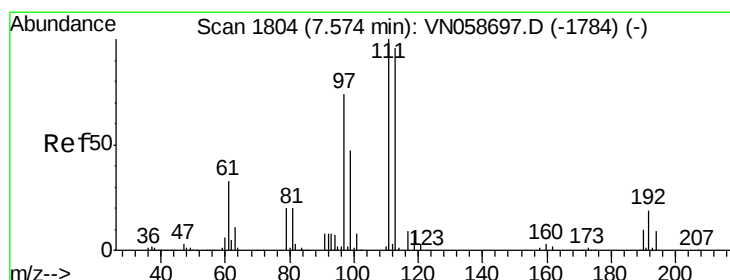
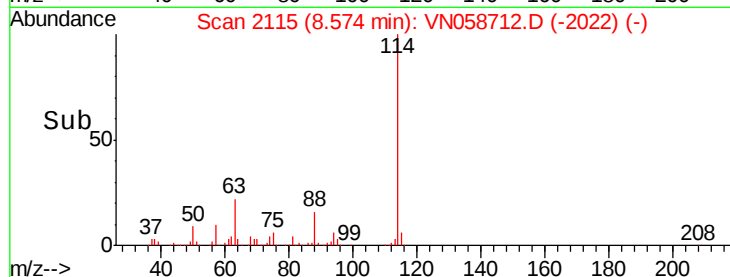
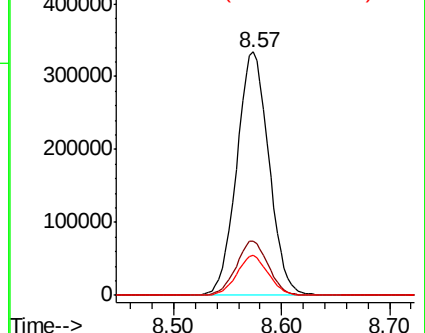
88 16.3 0.0 32.0



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: 52.043 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058712.D

Acq: 11 Oct 2019 19:17

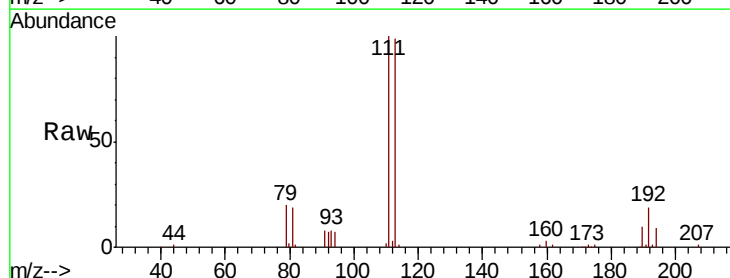
Tgt Ion:113 Resp: 222999

Ion Ratio Lower Upper

113 100

111 101.0 82.3 123.5

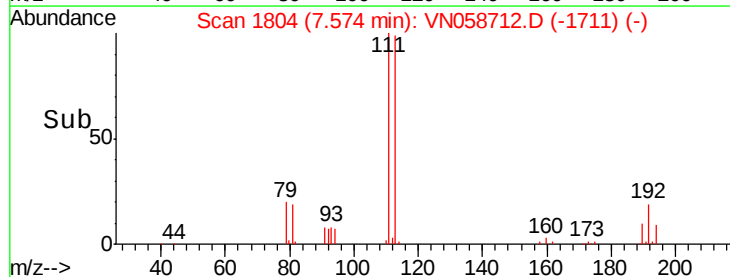
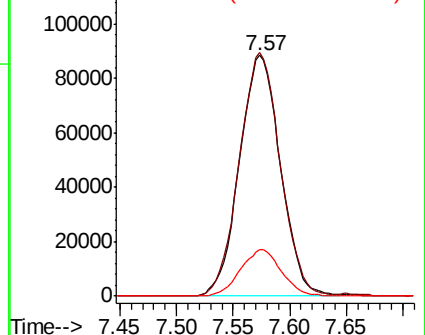
192 19.2 15.0 22.6

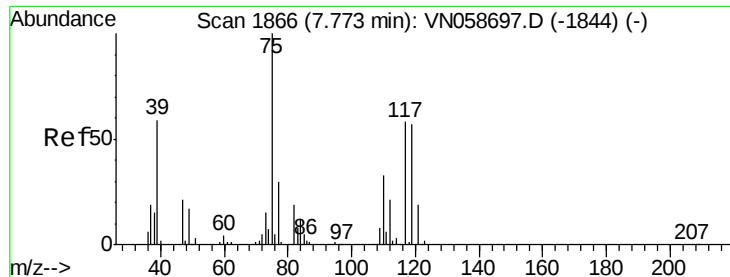


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

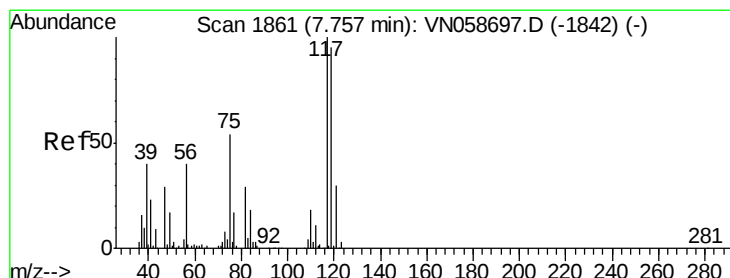
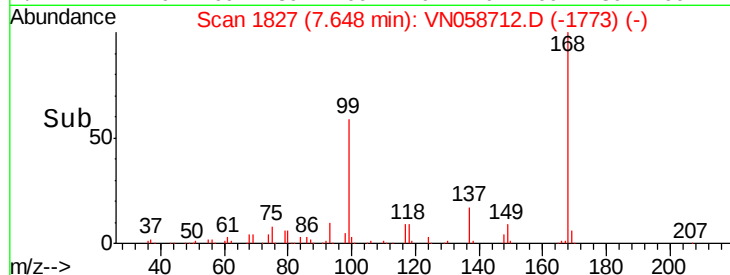
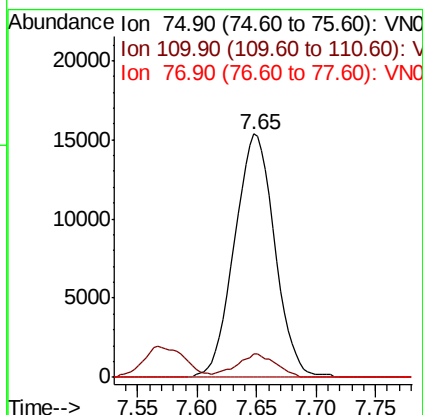
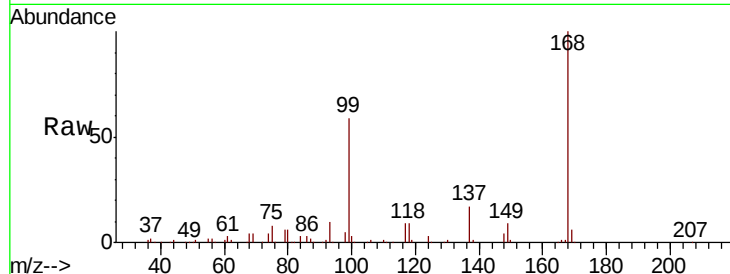




#36
 1,1-Dichloropropene
 Concen: 5.137 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058712.D
 Acq: 11 Oct 2019 19:17

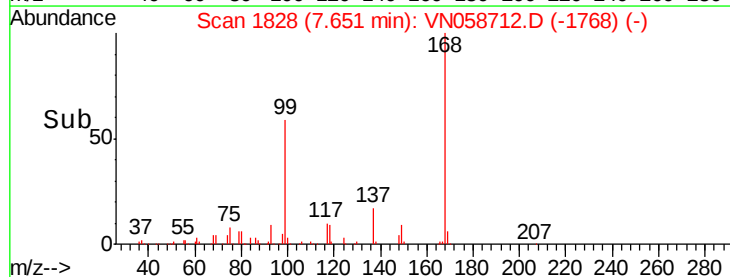
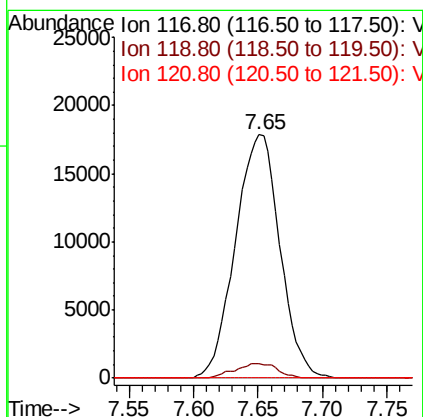
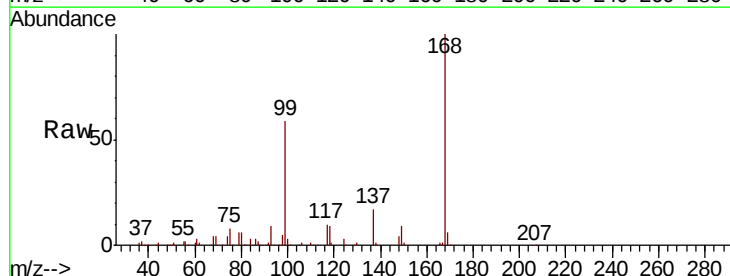
Instrument :
 MSVOA_N
 ClientSampleId :

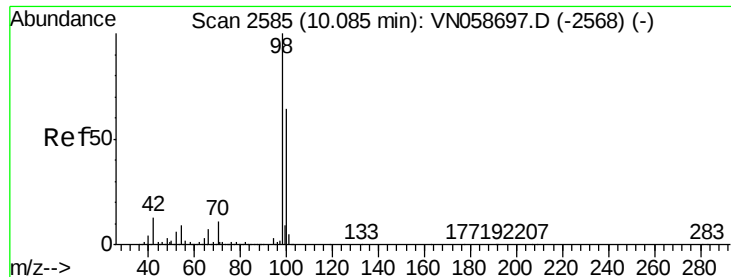
Tot Ion	75	Resp	36033
Ion Ratio	100	Lower	Upper
75	100		
110	9.4	16.6	49.8#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.270 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058712.D
 Acq: 11 Oct 2019 19:17

Tgt Ion	117	Resp	42860
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.7	75.7	113.5#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 50.655 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058712.D

Acq: 11 Oct 2019 19:17

Instrument :

MSVOA_N

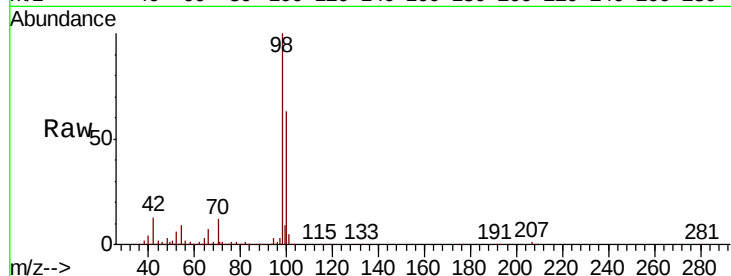
ClientSampled :

Tot Ion: 98 Resp: 867963

Ion Ratio Lower Upper

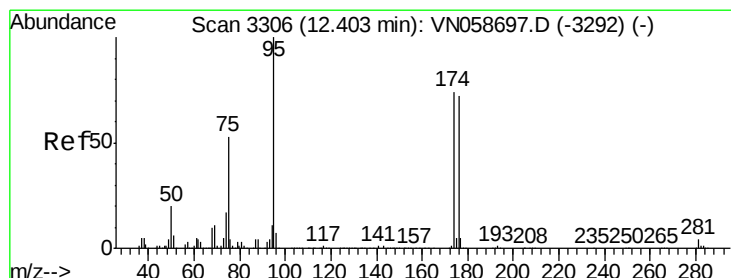
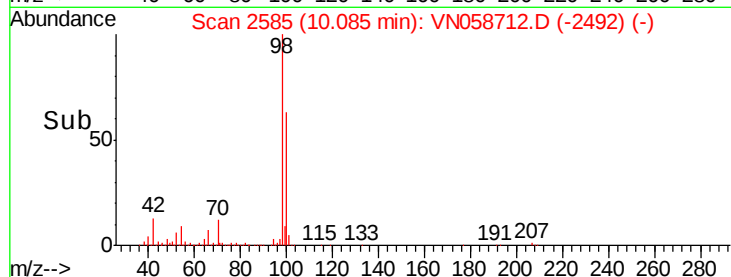
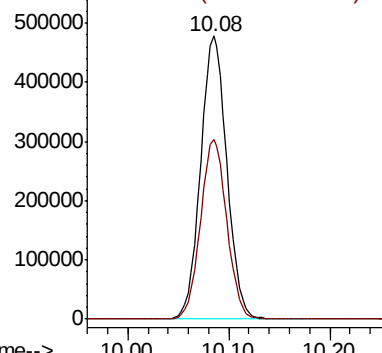
98 100

100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 43.936 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058712.D

Acq: 11 Oct 2019 19:17

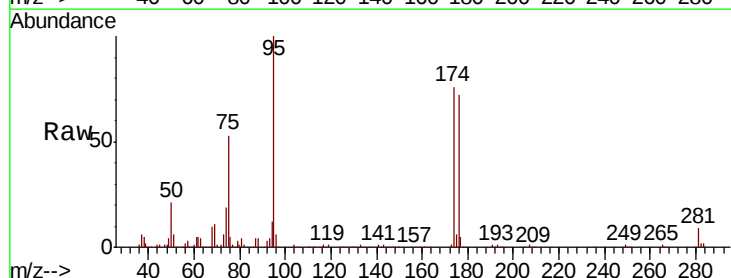
Tgt Ion: 95 Resp: 284966

Ion Ratio Lower Upper

95 100

174 77.1 0.0 150.4

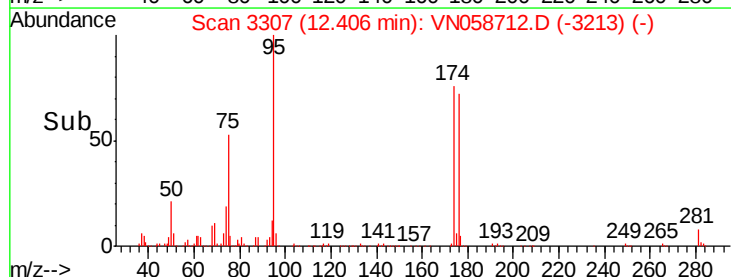
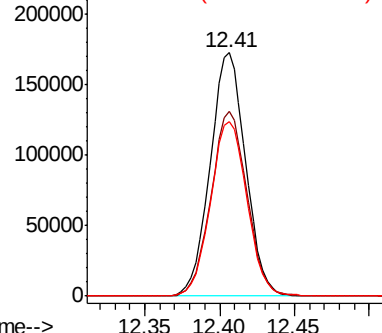
176 73.9 0.0 146.8

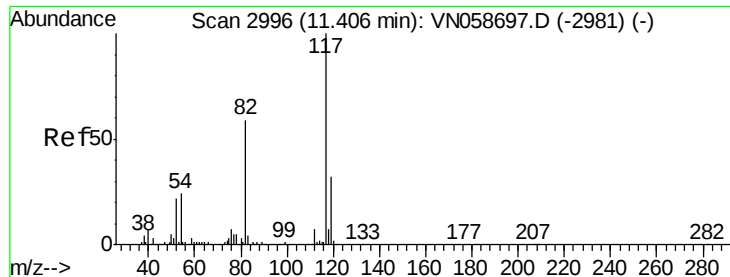


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058712.D

Acq: 11 Oct 2019 19:17

Instrument :

MSVOA_N

ClientSampled :

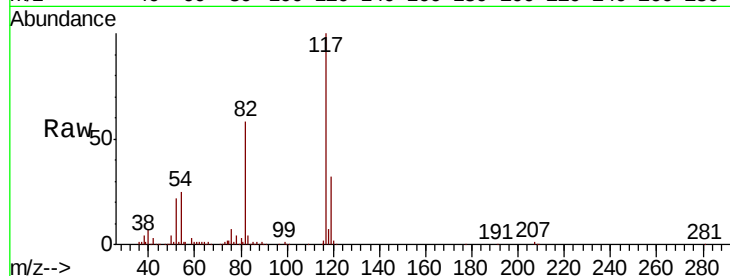
Tot Ion:117 Resp: 608760

Ion Ratio Lower Upper

117 100

82 57.7 47.0 70.4

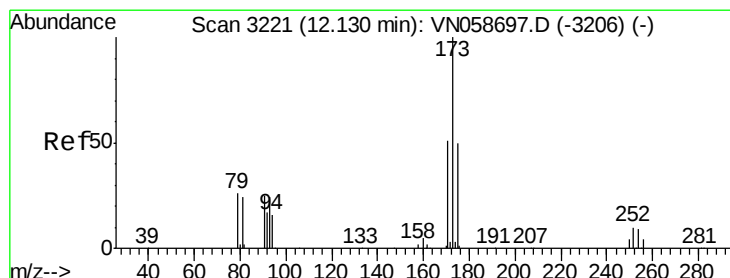
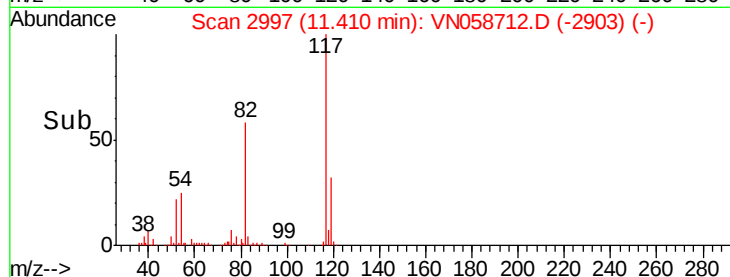
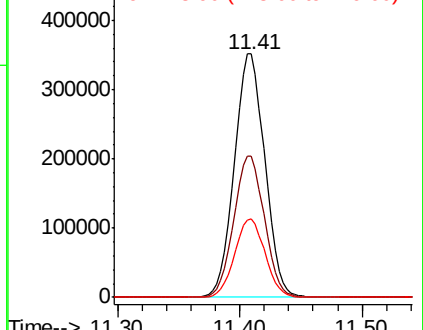
119 32.1 25.4 38.2



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: 0.441 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058712.D

Acq: 11 Oct 2019 19:17

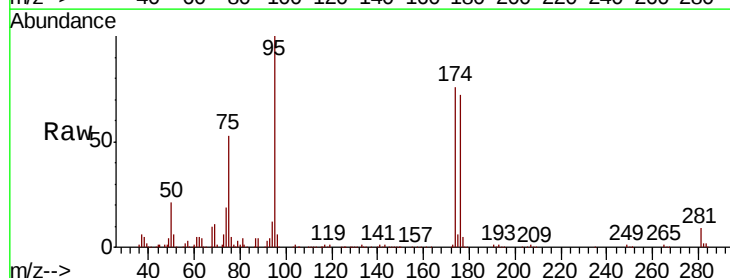
Tgt Ion:173 Resp: 1479

Ion Ratio Lower Upper

173 100

175 954.2 24.6 73.8#

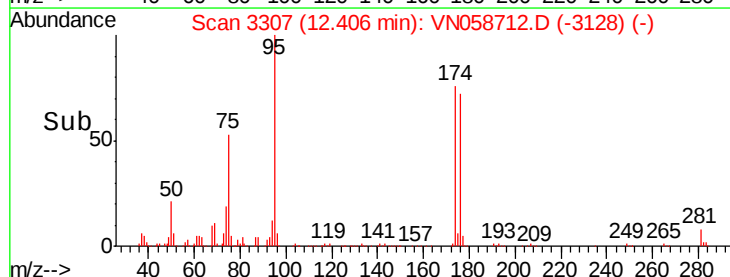
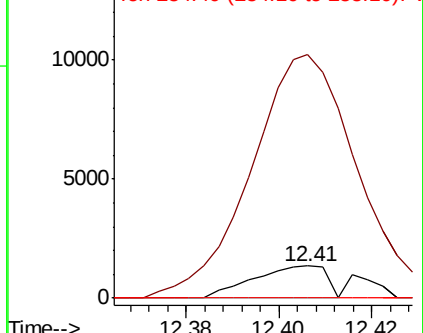
254 0.0 0.1 0.1#

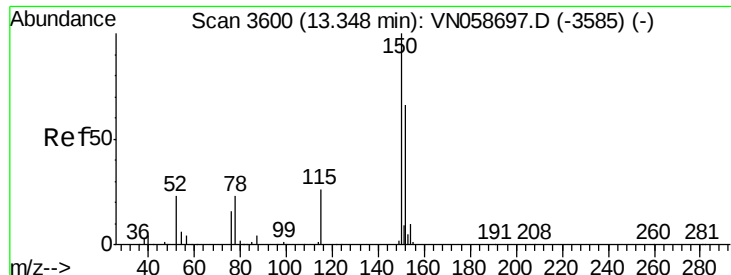


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058712.D

Acq: 11 Oct 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

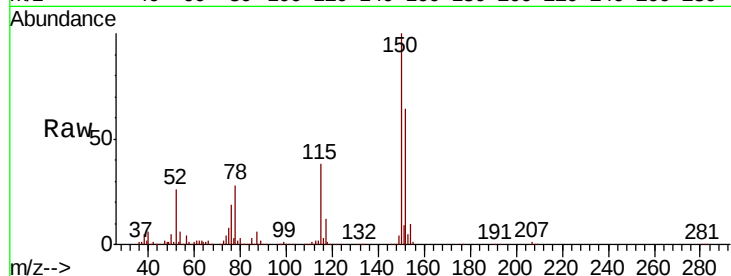
Tot Ion:152 Resp: 247146

Ion Ratio Lower Upper

152 100

115 59.8 30.4 91.2

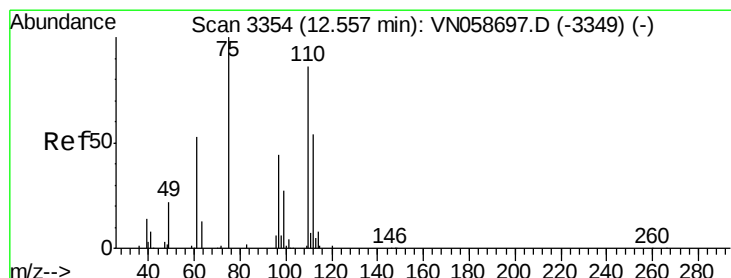
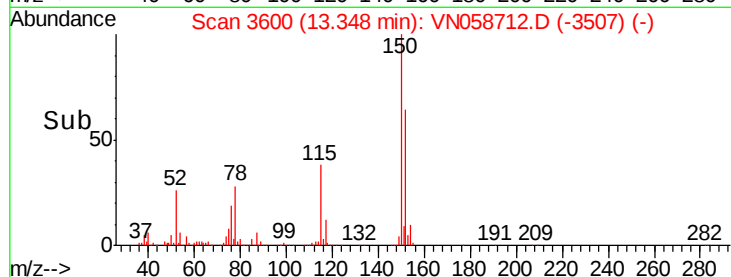
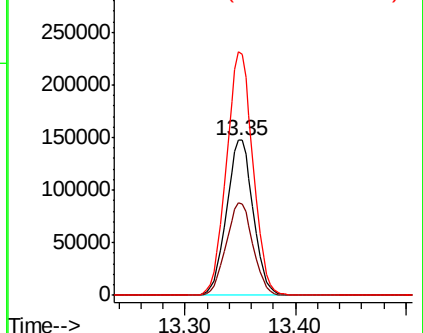
150 156.0 0.0 345.4



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: 28.235 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058712.D

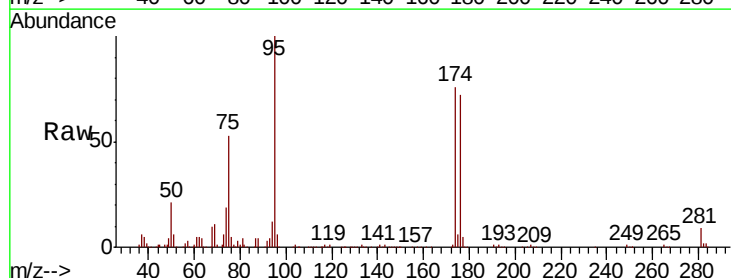
Acq: 11 Oct 2019 19:17

Tgt Ion: 75 Resp: 153084

Ion Ratio Lower Upper

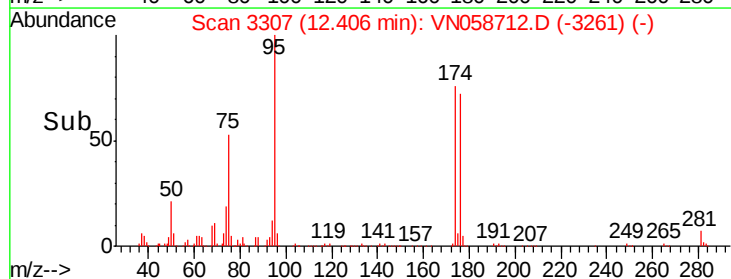
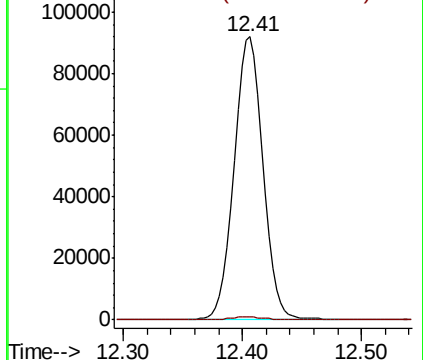
75 100

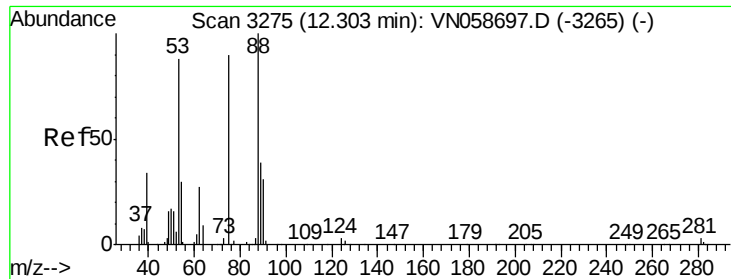
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 75.633 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058712.D

Acq: 11 Oct 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

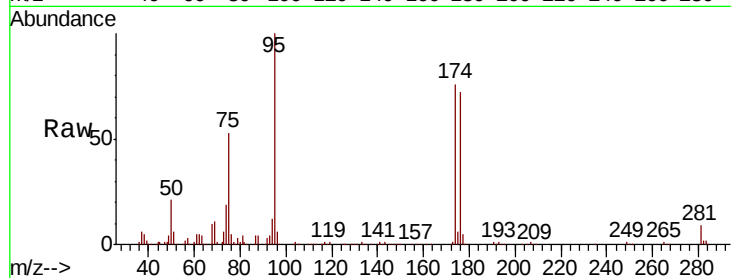
Tot Ion: 75 Resp: 153084

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

89 0.1 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

