

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058763.D
 Acq On : 14 Oct 2019 20:36
 Operator : JC/SP
 Sample : K5292-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 15 03:16:20 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	377442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	636978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	246141	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	302335	57.22	ug/l	0.00
Spiked Amount			Recovery	=	114.44%	
35) Dibromofluoromethane	7.65	113	525	0.13	ug/l	0.07
Spiked Amount			Recovery	=	0.26%	
50) Toluene-d8	10.08	98	788219	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.41	95	264239	44.37	ug/l	0.00
Spiked Amount			Recovery	=	88.74%	

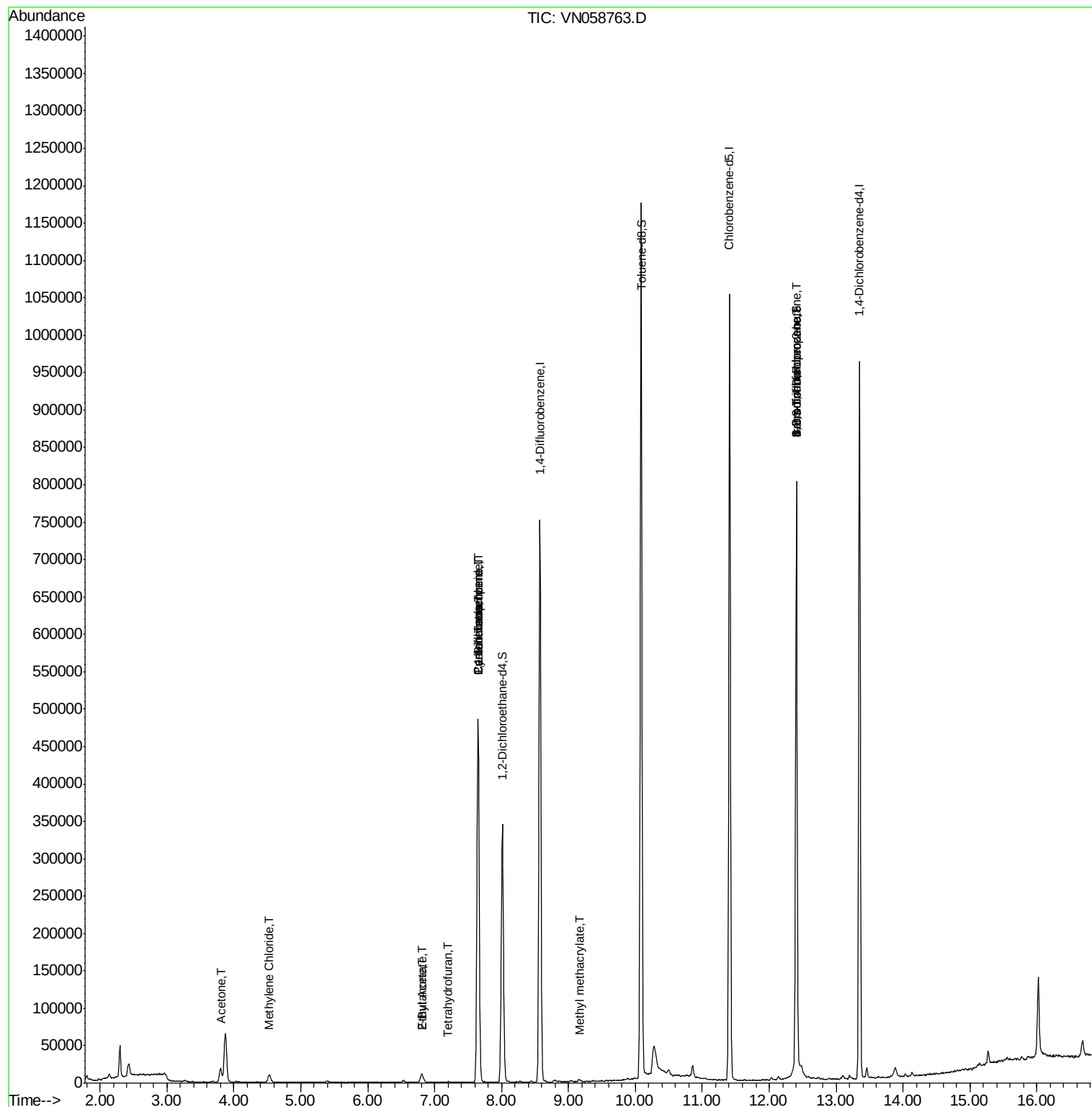
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	32435	14.827	ug/l	94
20) Methylene Chloride	4.53	84	7960	1.741	ug/l #	93
25) 2-Butanone	6.82	43	5794	1.832	ug/l	95
29) Tetrahydrofuran	7.21	42	647	0.317	ug/l #	43
31) Cyclohexane	7.65	56	9079	1.171	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	31830	4.942	ug/l #	50
37) Ethyl Acetate	6.82	43	5794	0.890	ug/l #	80
38) Carbon Tetrachloride	7.65	117	37594	5.989	ug/l #	17
48) Methyl methacrylate	9.16	41	1298	0.258	ug/l #	43
71) Bromoform	12.41	173	1628	0.509	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	142346	26.362	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	142346	70.614	ug/l #	11

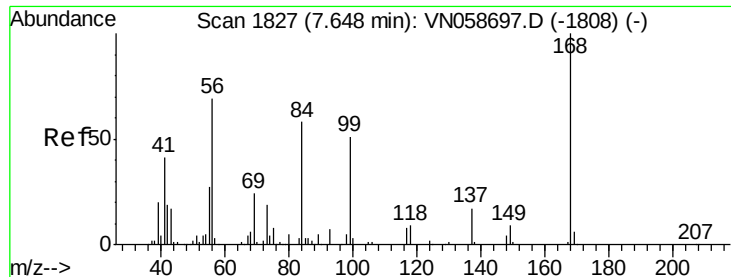
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058763.D

Acq: 14 Oct 2019 20:36

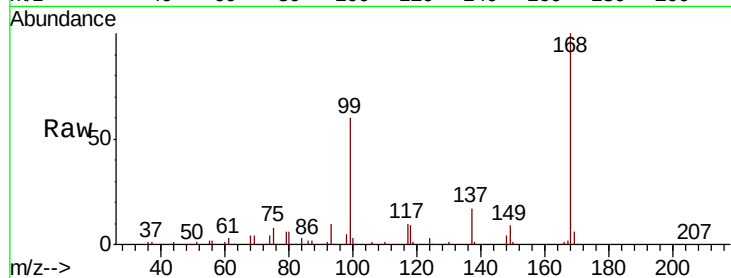
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 377442

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): VN

7.65

150000

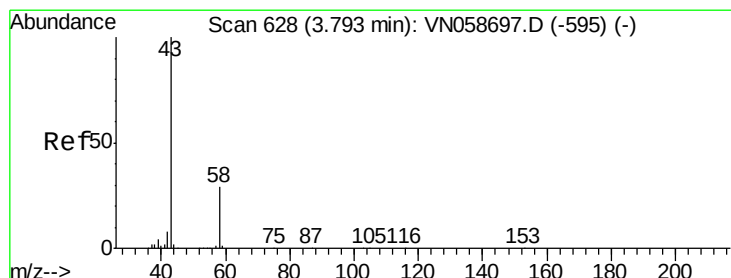
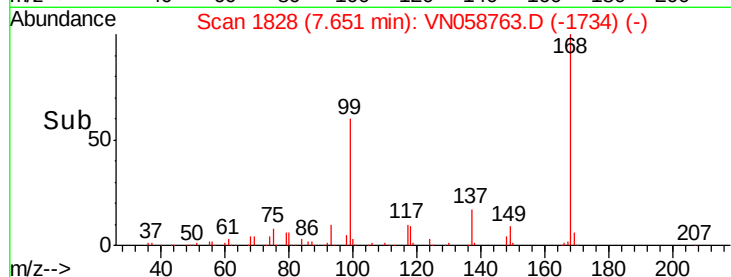
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#16

Acetone

Concen: 14.827 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058763.D

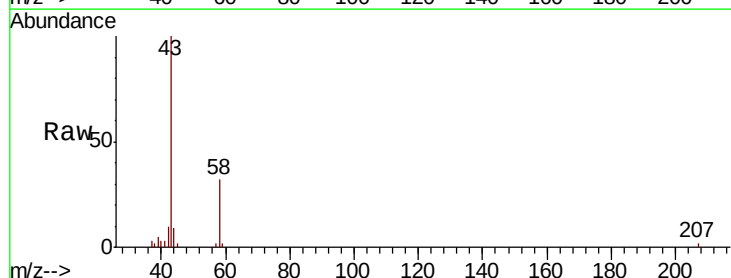
Acq: 14 Oct 2019 20:36

Tgt Ion: 43 Resp: 32435

Ion Ratio Lower Upper

43 100

58 32.3 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

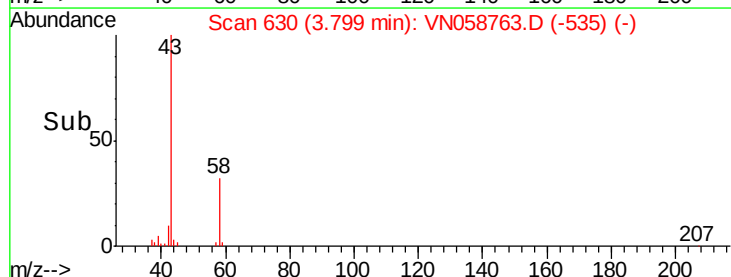
10000

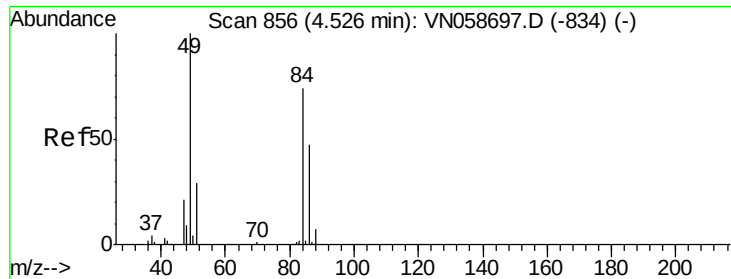
5000

0

3.70 3.80 3.90

Time-->

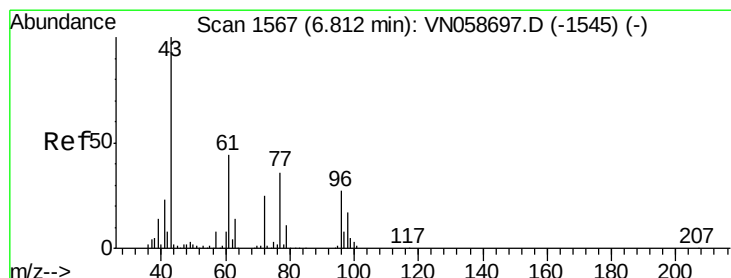
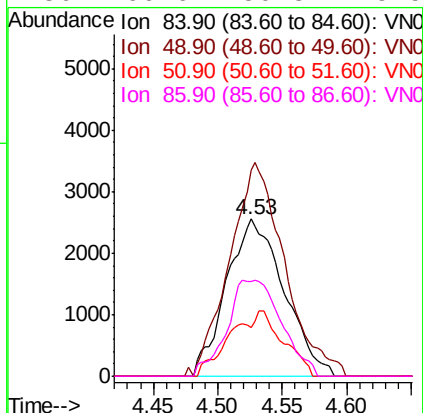
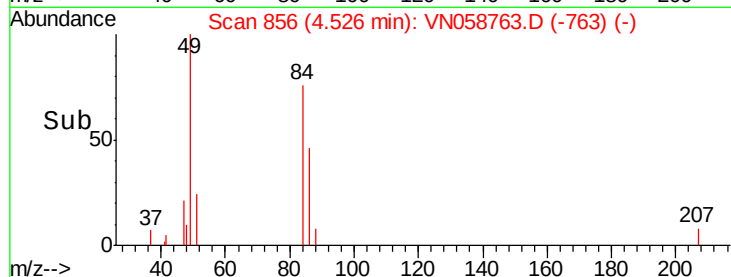
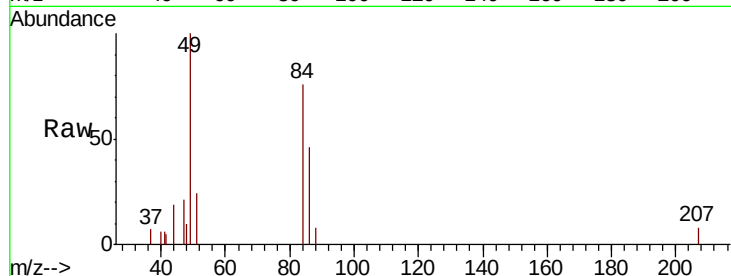




#20
Methvlene Chloride
Concen: 1.741 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058763.D
Acq: 14 Oct 2019 20:36

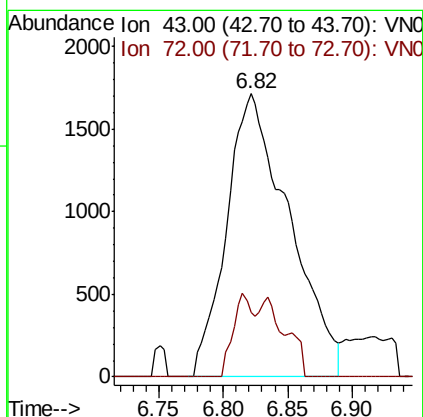
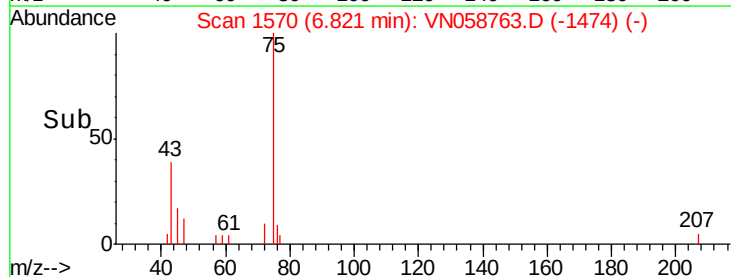
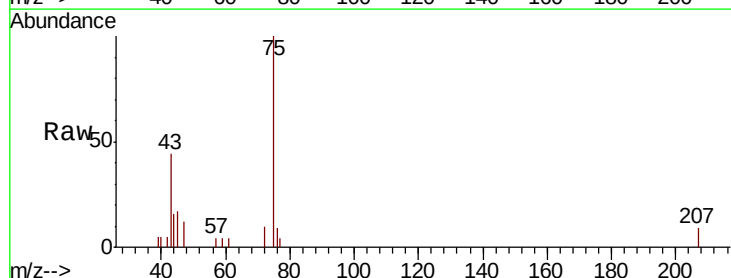
Instrument :
MSVOA_N
ClientSampled :

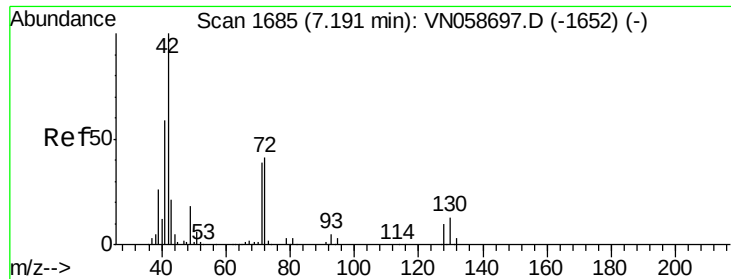
Tot Ion: 84 Resp: 7960
Ion Ratio Lower Upper
84 100
49 125.3 107.6 161.4
51 30.9 31.4 47.0#
86 60.6 50.3 75.5



#25
2-Butanone
Concen: 1.832 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN058763.D
Acq: 14 Oct 2019 20:36

Tgt Ion: 43 Resp: 5794
Ion Ratio Lower Upper
43 100
72 22.9 20.2 30.2

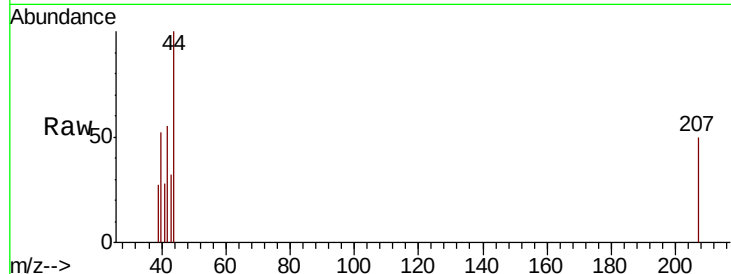




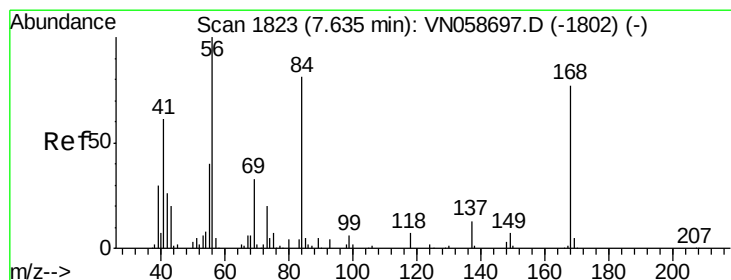
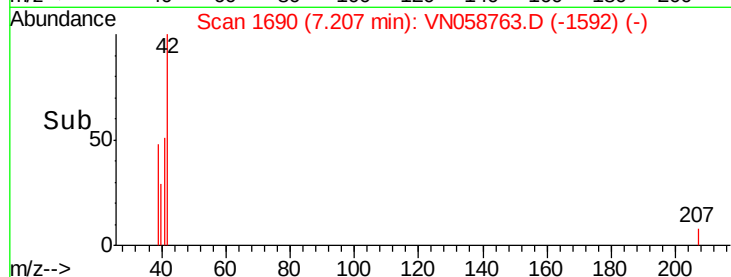
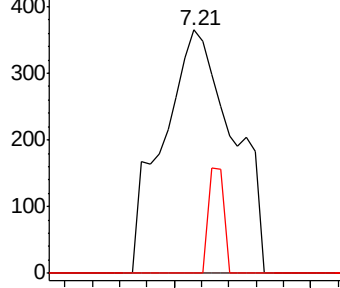
#29
Tetrahydrofuran
Concen: 0.317 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.02 min
Lab File: VN058763.D
Acq: 14 Oct 2019 20:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 647
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 9.4 31.1 46.7#

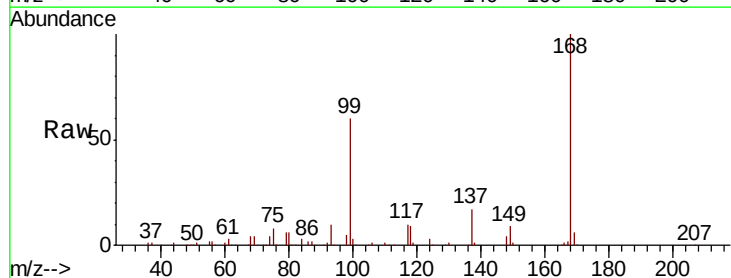


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

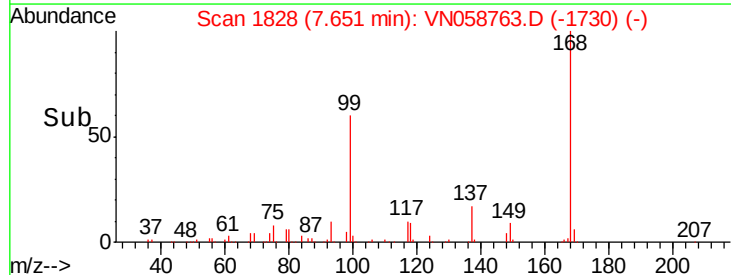
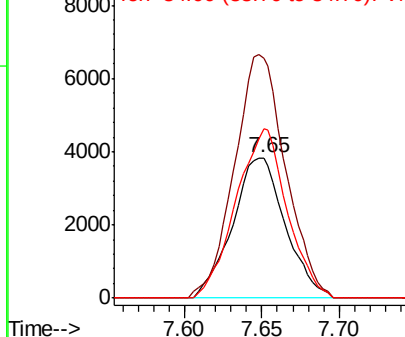


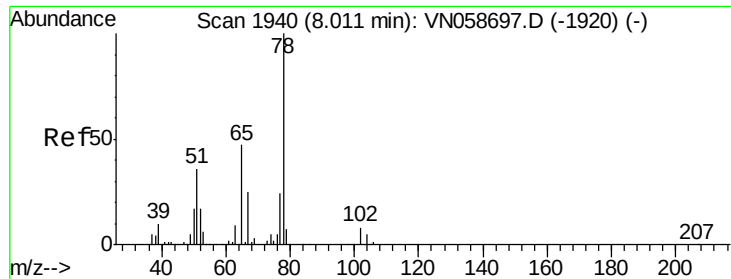
#31
Cyclohexane
Concen: 1.171 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.02 min
Lab File: VN058763.D
Acq: 14 Oct 2019 20:36

Tgt Ion: 56 Resp: 9079
Ion Ratio Lower Upper
56 100
69 170.9 26.2 39.4#
84 121.2 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

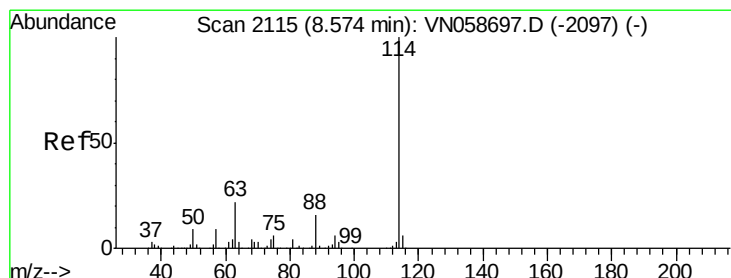
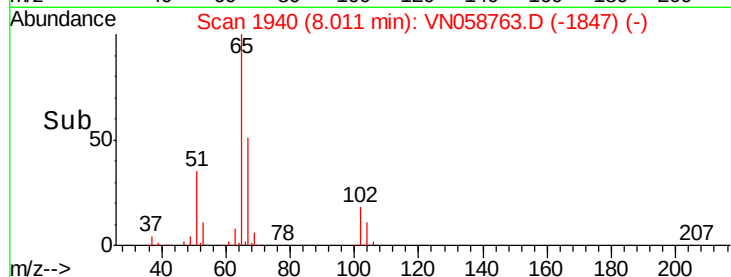
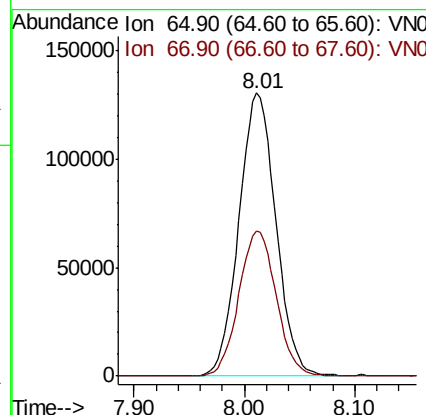
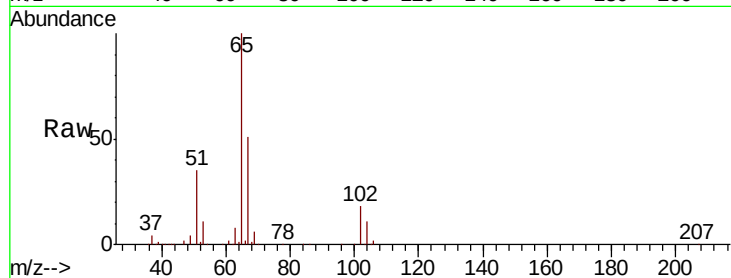




#33
 1,2-Dichloroethane-d4
 Concen: 57.216 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058763.D
 Acq: 14 Oct 2019 20:36

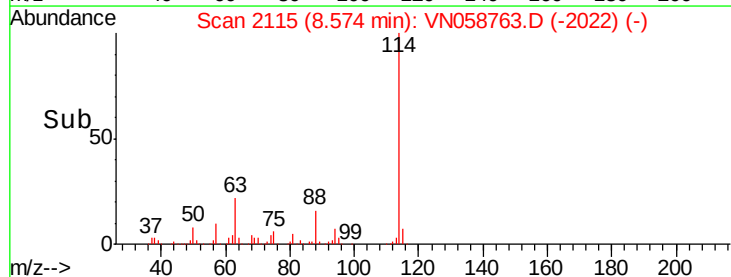
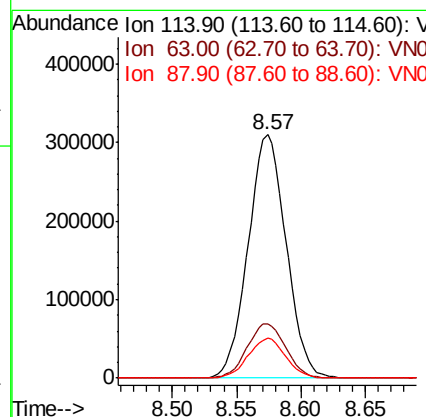
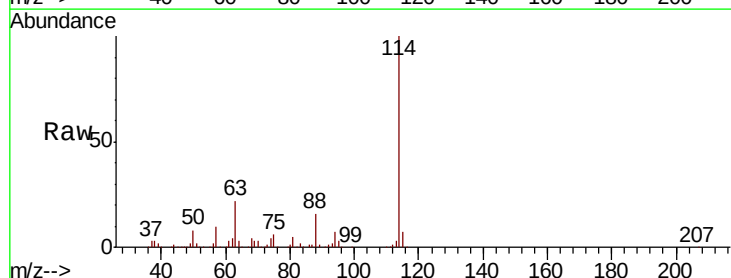
Instrument :
 MSVOA_N
 ClientSampled :

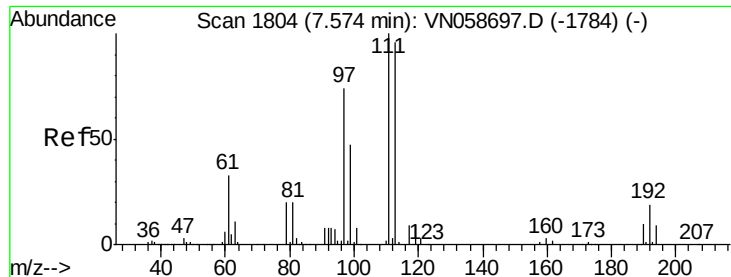
Tot Ion: 65 Resp: 302335
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058763.D
 Acq: 14 Oct 2019 20:36

Tgt Ion: 114 Resp: 636978
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 16.3 0.0 32.0

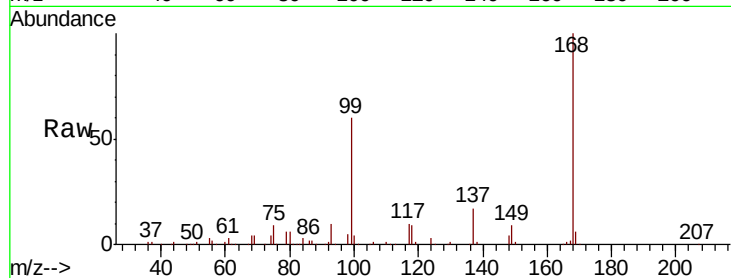




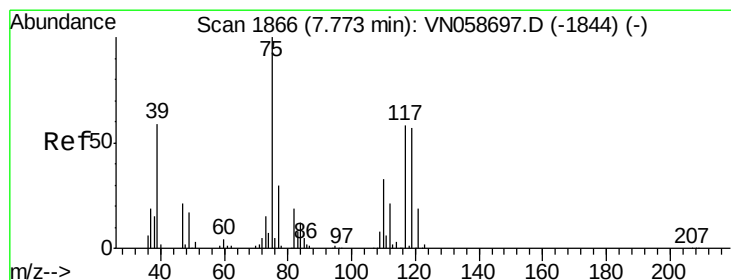
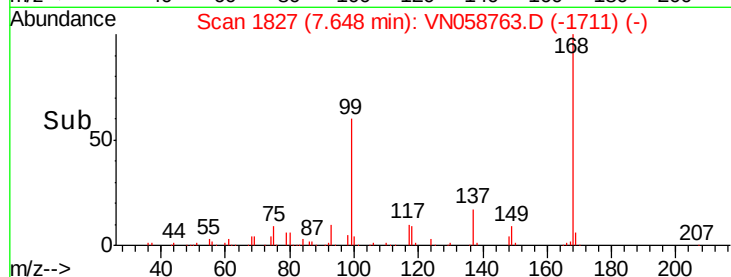
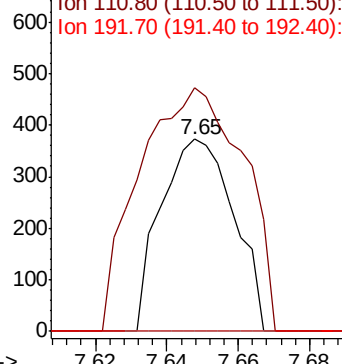
#35
Dibromofluoromethane
Concen: 0.133 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.07 min
Lab File: VN058763.D
Acq: 14 Oct 2019 20:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:113 Resp: 525
Ion Ratio Lower Upper
113 100
111 181.1 82.3 123.5#
192 0.0 15.0 22.6#

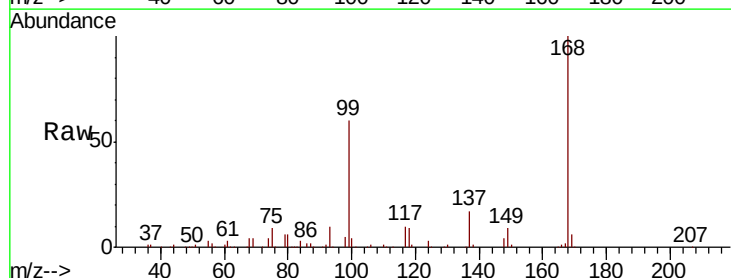


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

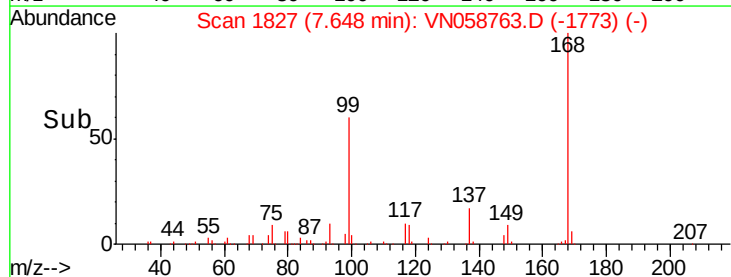
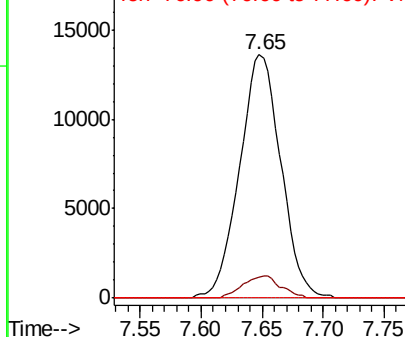


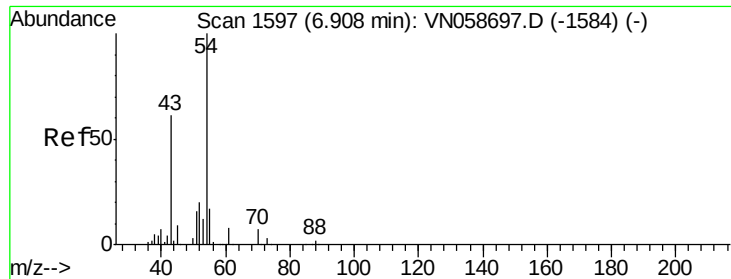
#36
1,1-Dichloropropene
Concen: 4.942 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.13 min
Lab File: VN058763.D
Acq: 14 Oct 2019 20:36

Tgt Ion: 75 Resp: 31830
Ion Ratio Lower Upper
75 100
110 8.3 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: 0.890 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.09 min

Lab File: VN058763.D

Acq: 14 Oct 2019 20:36

Instrument :

MSVOA_N

ClientSampleId :

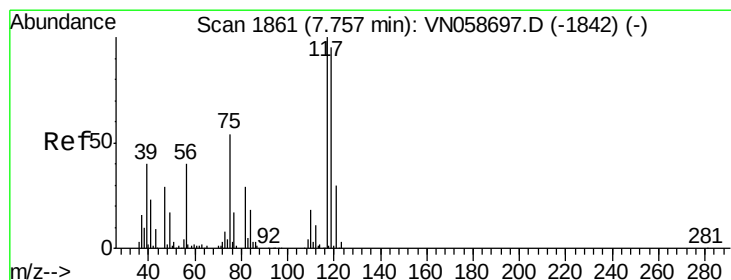
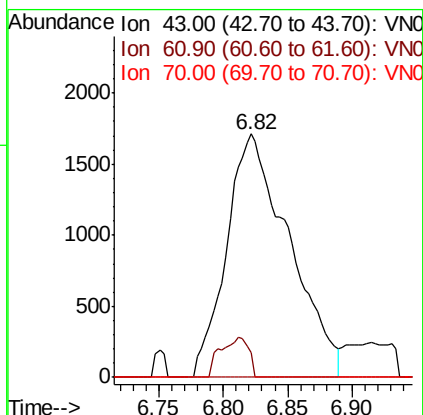
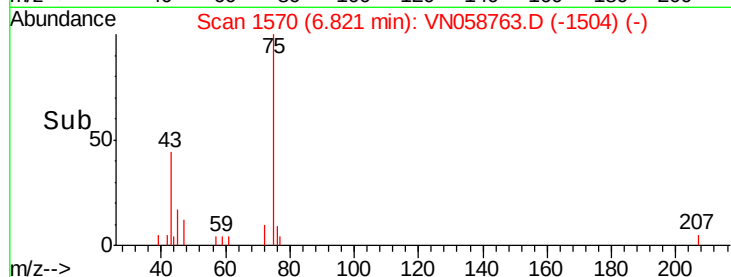
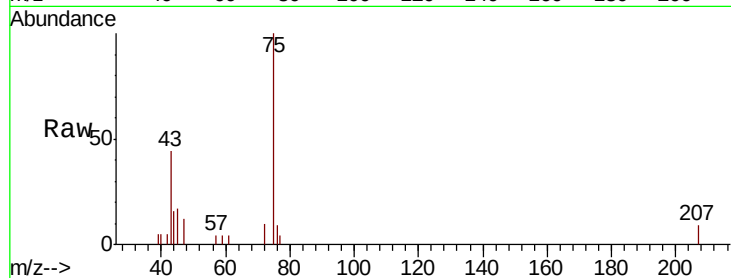
Tot Ion: 43 Resp: 5794

Ion Ratio Lower Upper

43 100

61 7.3 11.3 16.9#

70 0.0 7.2 10.8#



#38

Carbon Tetrachloride

Concen: 5.989 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058763.D

Acq: 14 Oct 2019 20:36

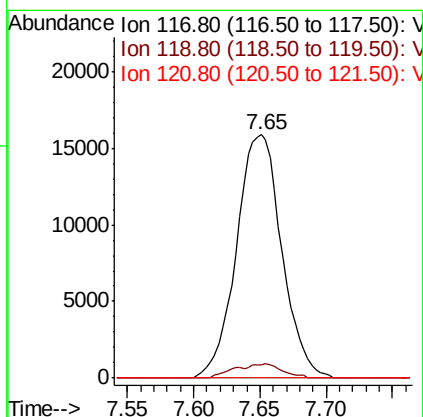
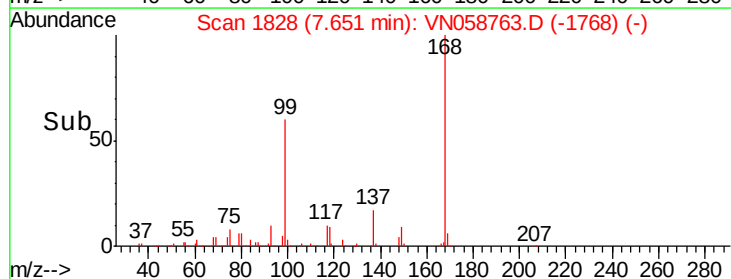
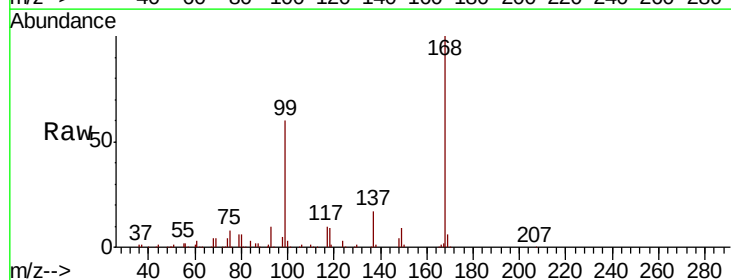
Tgt Ion: 117 Resp: 37594

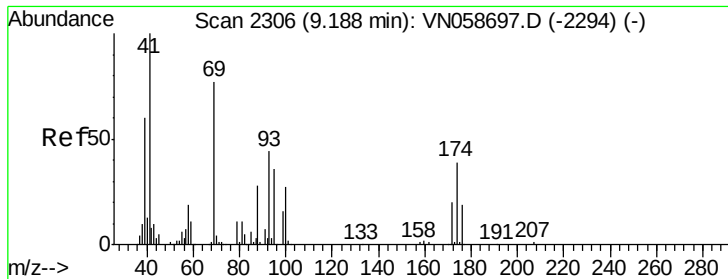
Ion Ratio Lower Upper

117 100

119 5.6 75.7 113.5#

121 0.0 23.9 35.9#

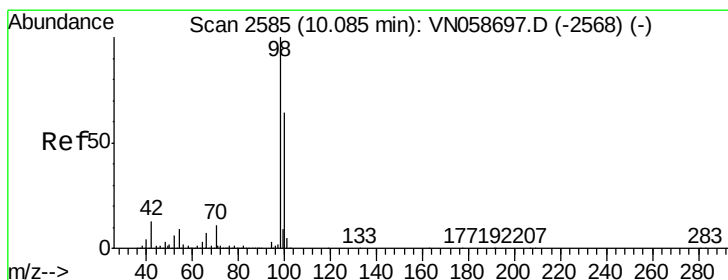
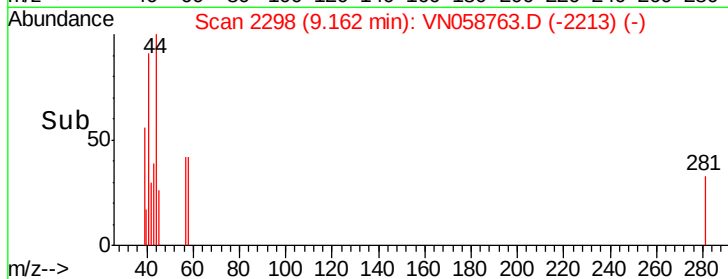
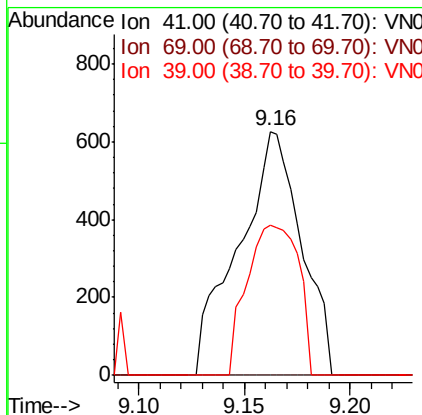
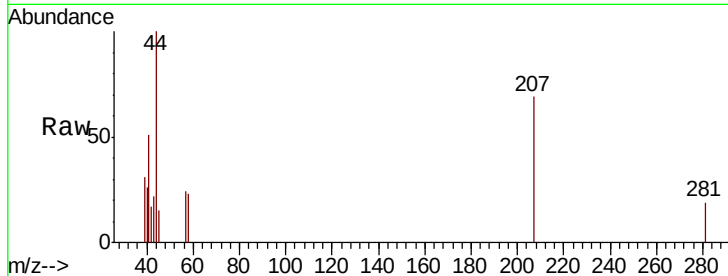




#48
Methvl methacrylate
Concen: 0.258 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.03 min
Lab File: VN058763.D
Acq: 14 Oct 2019 20:36

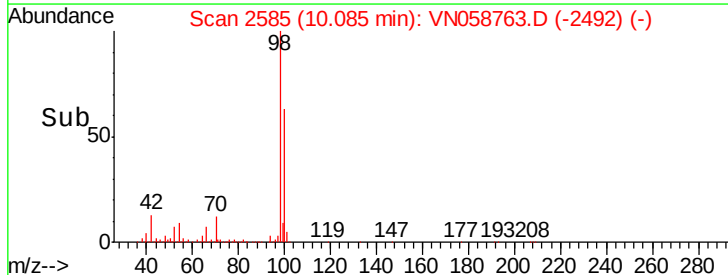
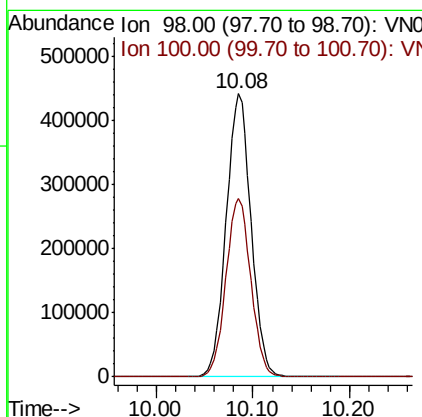
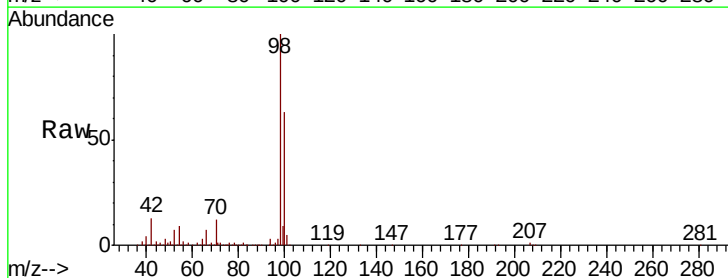
Instrument :
MSVOA_N
ClientSampleId :

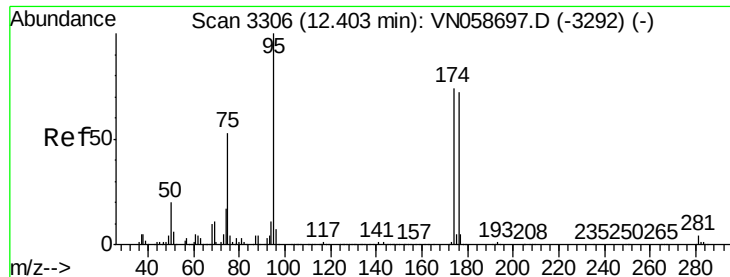
Tot Ion: 41 Resp: 1298
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.2#
39 50.5 48.9 73.3



#50
Toluene-d8
Concen: 50.098 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058763.D
Acq: 14 Oct 2019 20:36

Tgt Ion: 98 Resp: 788219
Ion Ratio Lower Upper
98 100
100 63.0 51.1 76.7

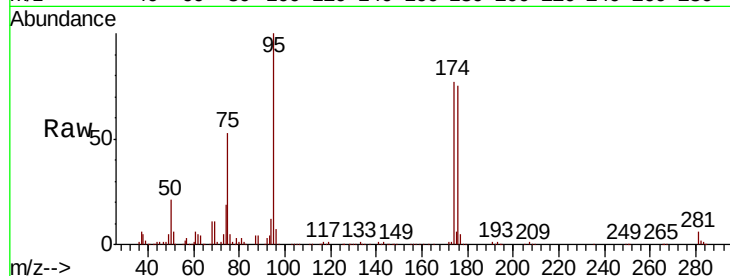




#62
4-Bromofluorobenzene
Concen: 44.369 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058763.D
Acq: 14 Oct 2019 20:36

Instrument :
MSVOA_N
ClientSampleId :

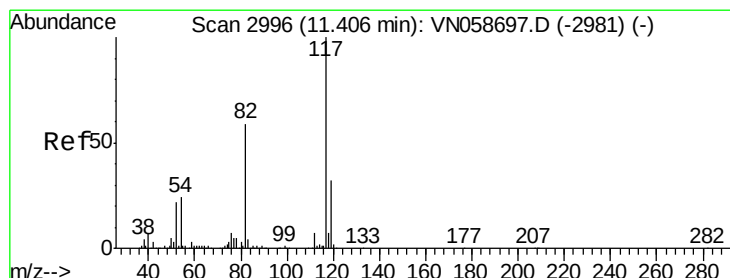
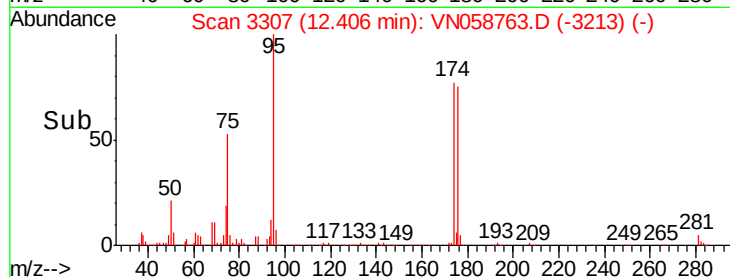
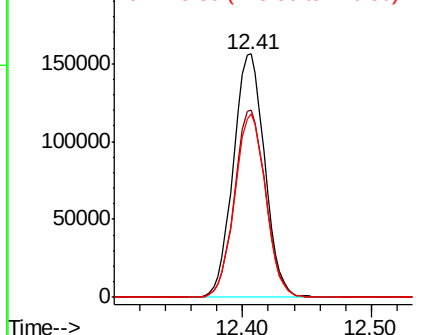
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	150.4
176	74.3	0.0	146.8



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

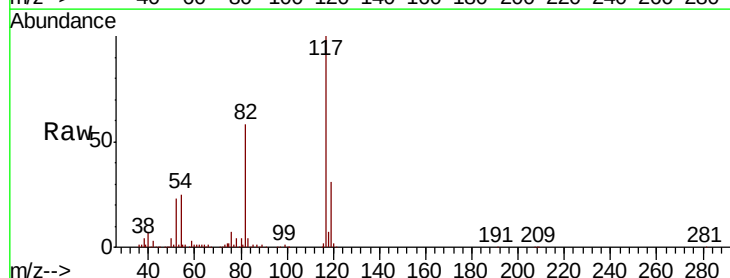
Ion 173.80 (173.50 to 174.50): VN058697.D (-3292) (-)

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: VN058763.D
Acq: 14 Oct 2019 20:36

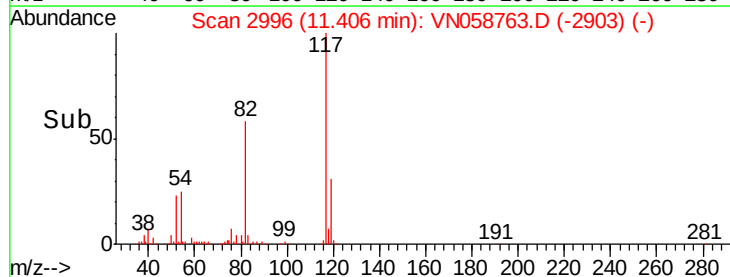
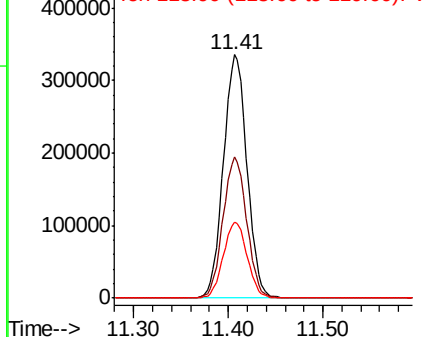
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.0	70.4
119	31.0	25.4	38.2

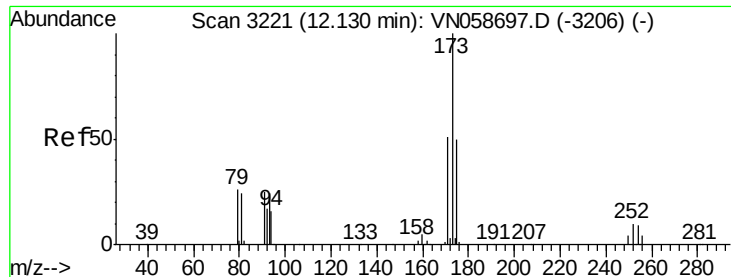


Abundance Ion 116.90 (116.60 to 117.60): VN058697.D (-2981) (-)

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: 0.509 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058763.D

Acq: 14 Oct 2019 20:36

Instrument :

MSVOA_N

ClientSampleId :

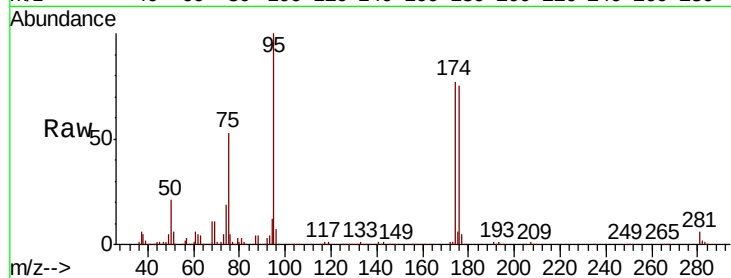
Tot Ion:173 Resp: 1628

Ion Ratio Lower Upper

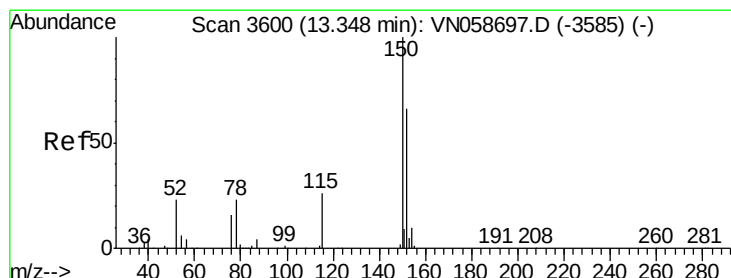
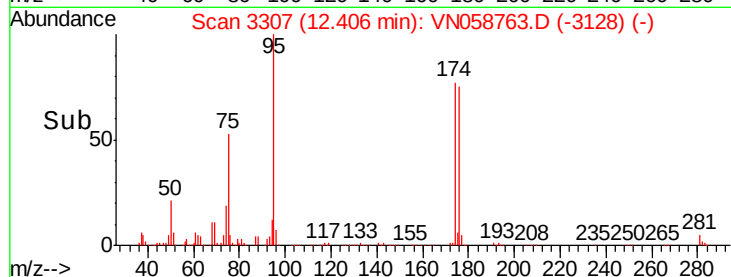
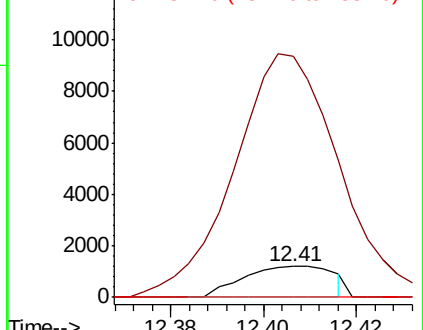
173 100

175 807.6 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: VN058763.D

Acq: 14 Oct 2019 20:36

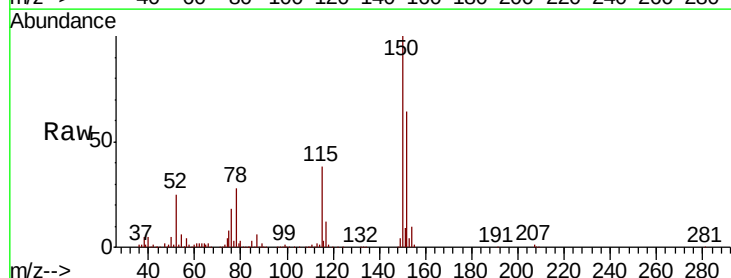
Tgt Ion:152 Resp: 246141

Ion Ratio Lower Upper

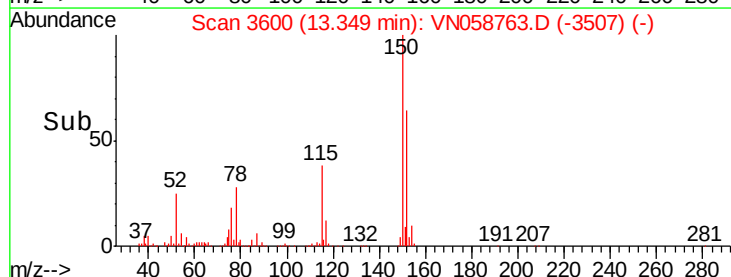
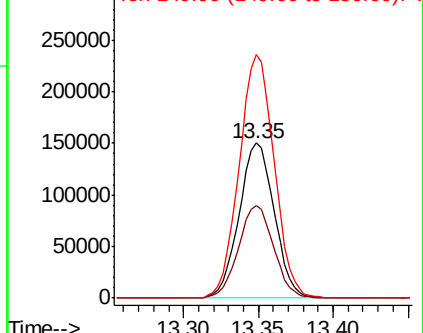
152 100

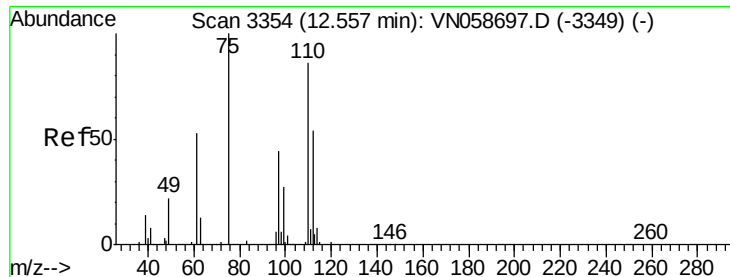
115 59.8 30.4 91.2

150 156.3 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

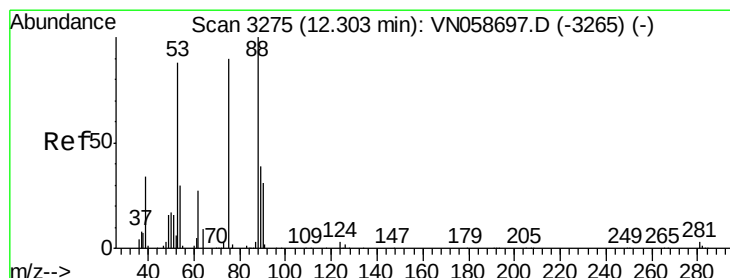
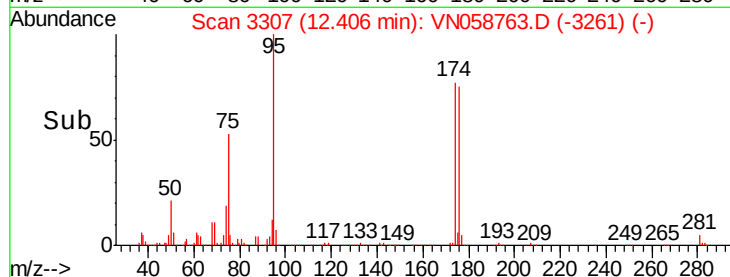
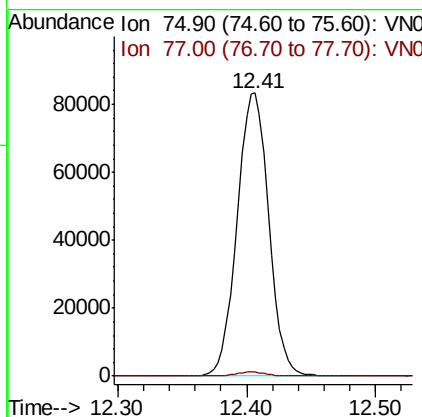
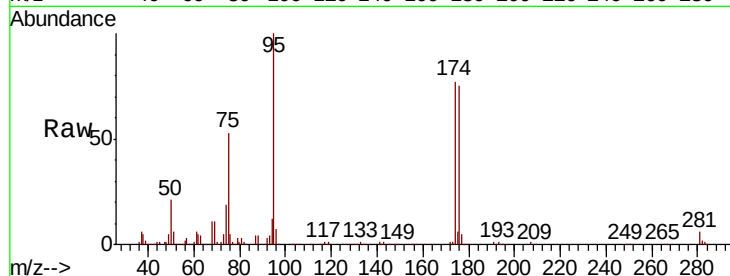




#76
 1,2,3-Trichloropropane
 Concen: 26.362 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN058763.D
 Acq: 14 Oct 2019 20:36

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 142346
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.614 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN058763.D
 Acq: 14 Oct 2019 20:36

Tgt Ion: 75 Resp: 142346
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.4 117.6#
 89 0.1 34.9 52.3#

