

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058756.D
 Acq On : 14 Oct 2019 18:01
 Operator : JC/SP
 Sample : K5359-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 15 03:14:09 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	383530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	651748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	587636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	232873	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	296590	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	
35) Dibromofluoromethane	7.57	113	207602	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
50) Toluene-d8	10.09	98	766772	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
62) 4-Bromofluorobenzene	12.41	95	252199	41.39	ug/l	0.00
Spiked Amount			Recovery	=	82.78%	

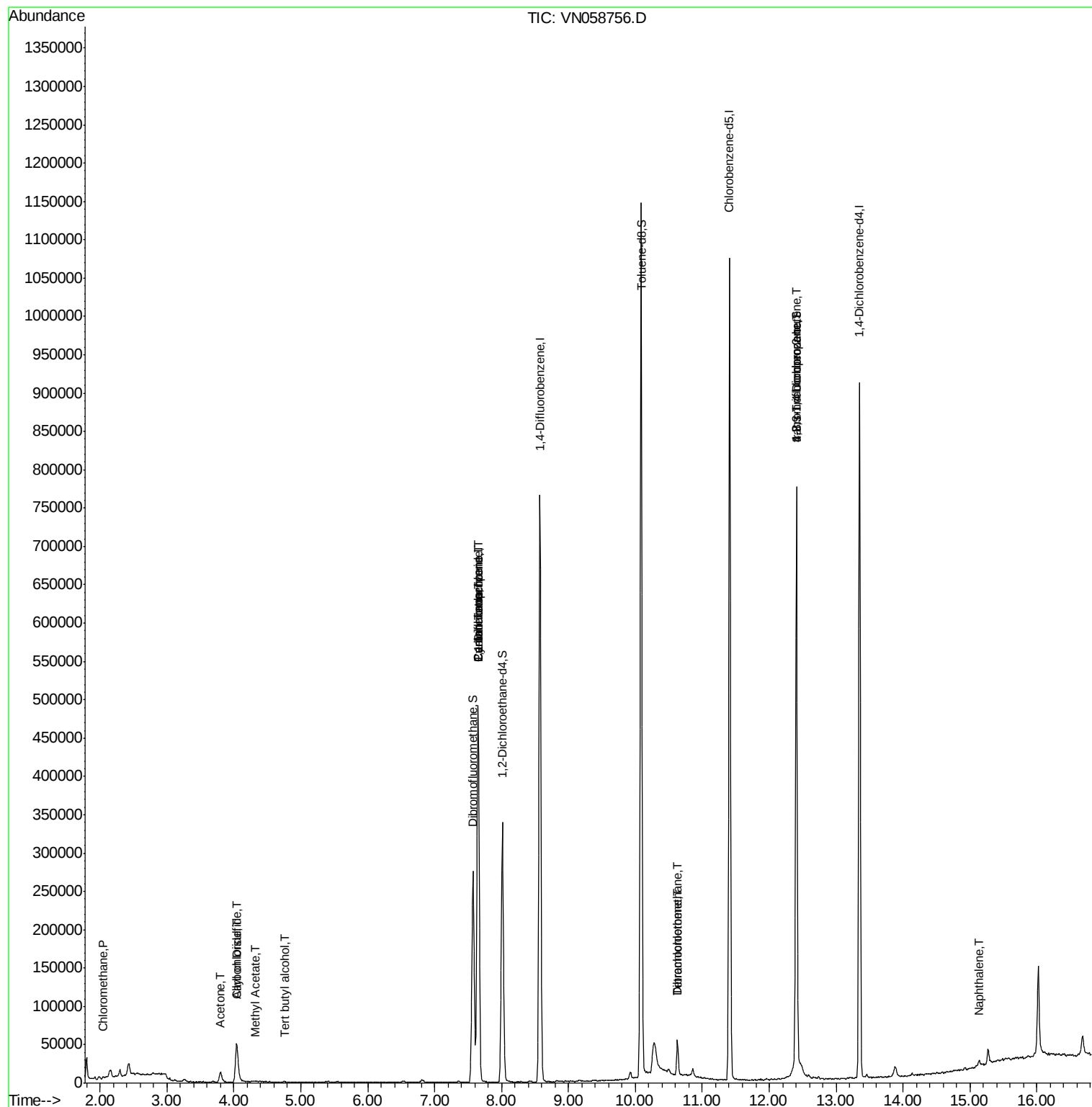
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1675	0.295	ug/l #	73
11) Tert butyl alcohol	4.75	59	1252	1.440	ug/l #	72
14) Allyl chloride	4.05	41	8986	1.209	ug/l	96
16) Acetone	3.80	43	23558	10.598	ug/l	99
17) Carbon Disulfide	4.03	76	3182	0.270	ug/l #	75
18) Methyl Acetate	4.31	43	1249	0.222	ug/l #	54
31) Cyclohexane	7.64	56	8719	1.107	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	31715	4.813	ug/l #	50
38) Carbon Tetrachloride	7.65	117	37616	5.857	ug/l #	18
60) Dibromochloromethane	10.63	129	9345	1.912	ug/l #	11
64) Tetrachloroethene	10.63	164	9724	2.365	ug/l	95
76) 1,2,3-Trichloropropane	12.41	75	137186	26.854	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	137186	71.932	ug/l #	11
95) Naphthalene	15.14	128	3229	0.250	ug/l	98

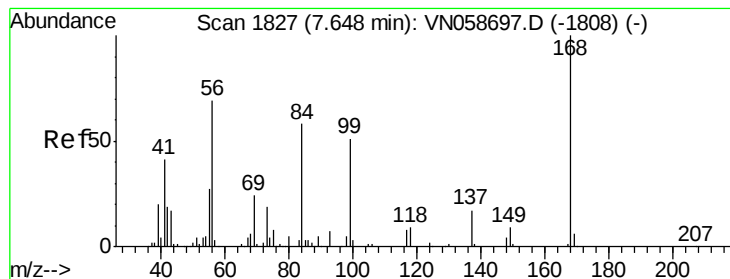
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058756.D

Acq: 14 Oct 2019 18:01

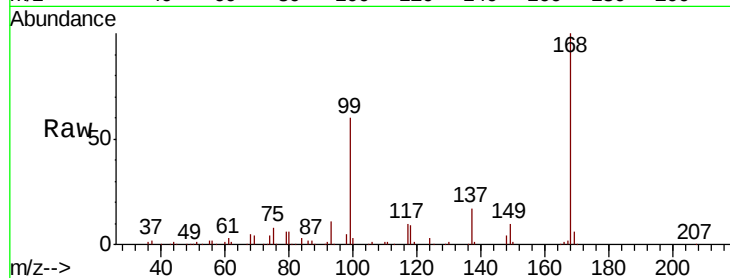
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 383530

Ion Ratio Lower Upper

168 100

99 60.3 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

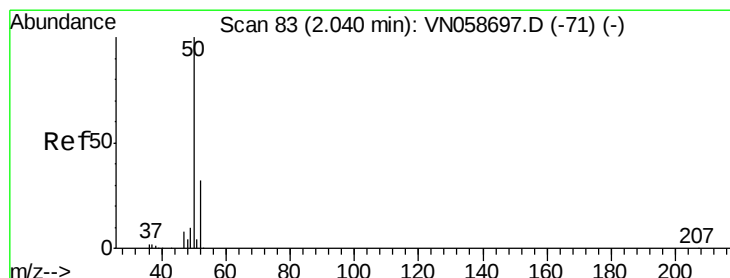
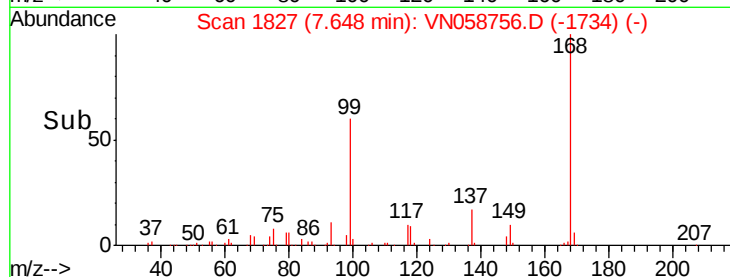
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.295 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058756.D

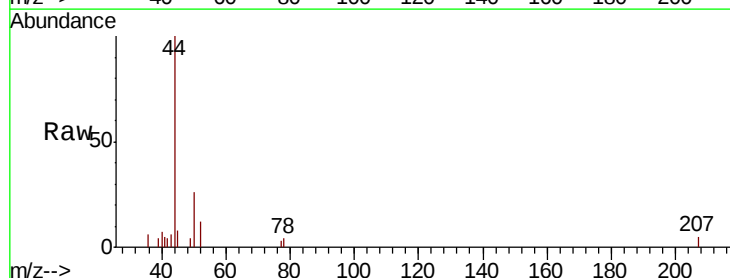
Acq: 14 Oct 2019 18:01

Tgt Ion: 50 Resp: 1675

Ion Ratio Lower Upper

50 100

52 47.1 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

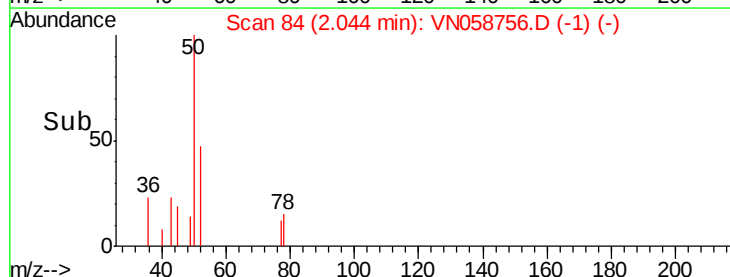
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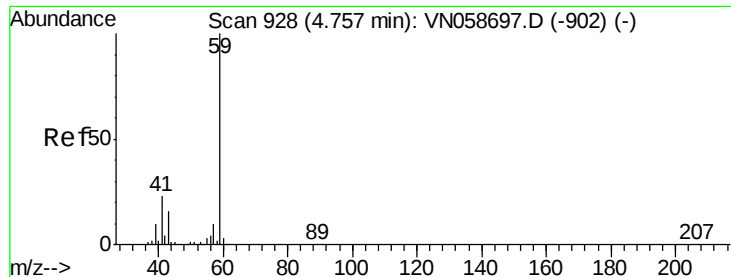
500

0

2.00 2.05

Time-->

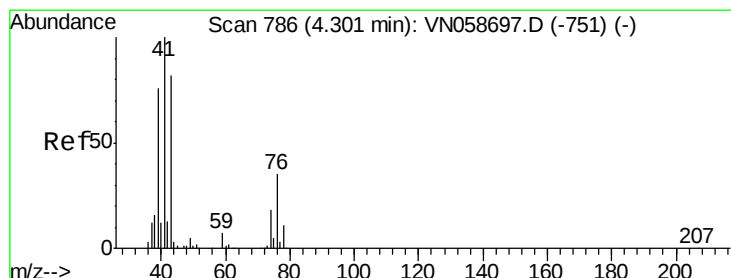
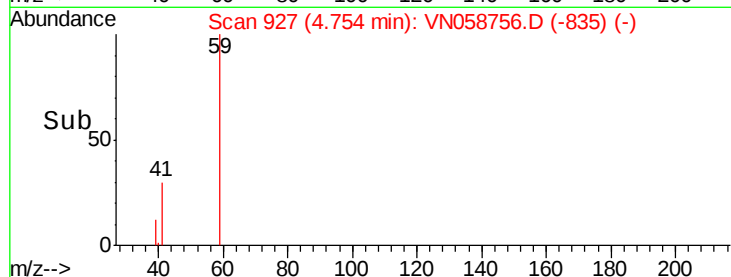
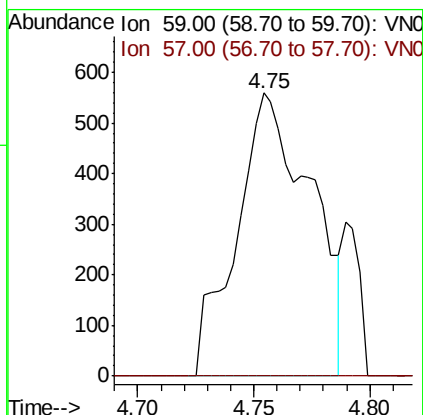
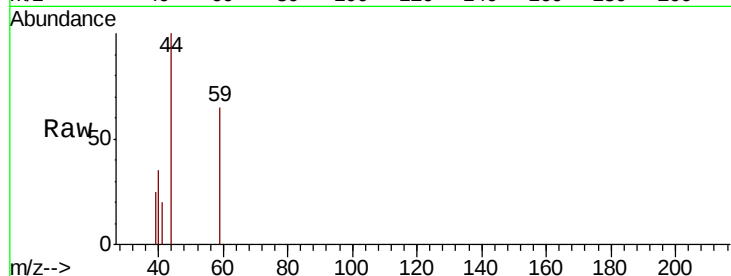




#11
Tert butyl alcohol
Concen: 1.440 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

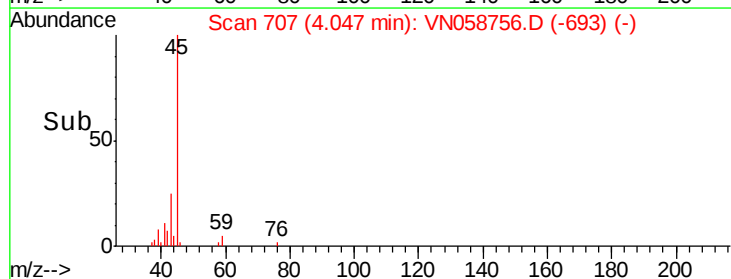
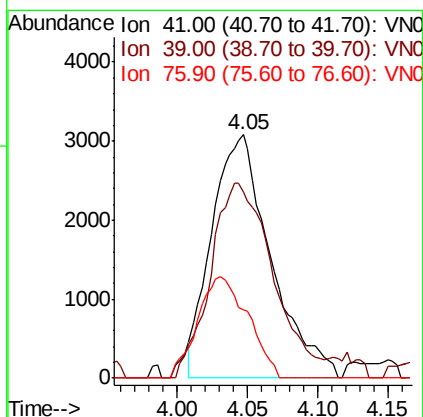
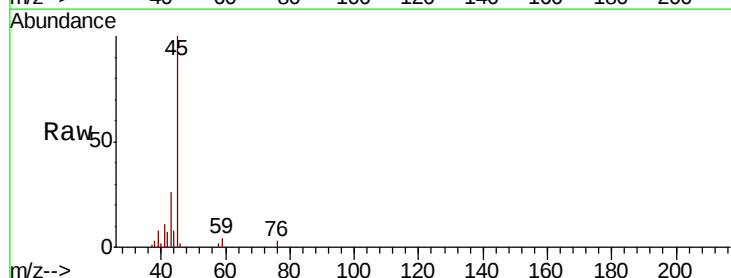
Instrument :
MSVOA_N
ClientSampled :

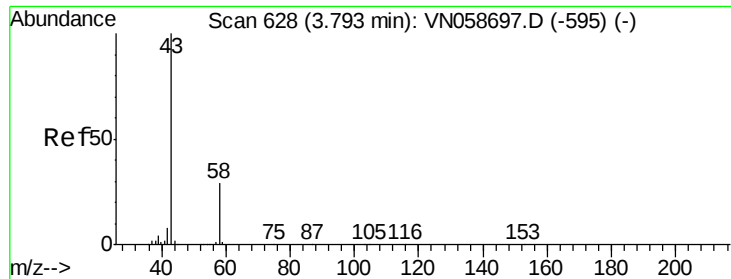
Tot Ion: 59 Resp: 1252
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#14
Allyl chloride
Concen: 1.209 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.25 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

Tgt Ion: 41 Resp: 8986
Ion Ratio Lower Upper
41 100
39 67.8 57.2 85.8
76 33.0 25.0 37.6





#16

Acetone

Concen: 10.598 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058756.D

Acq: 14 Oct 2019 18:01

Instrument :

MSVOA_N

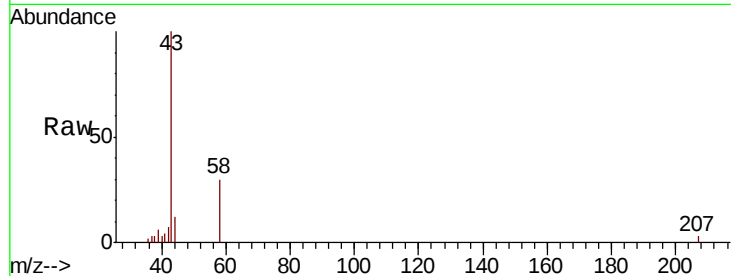
ClientSampleId :

Tot Ion: 43 Resp: 23558

Ion Ratio Lower Upper

43 100

58 29.7 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

8000

6000

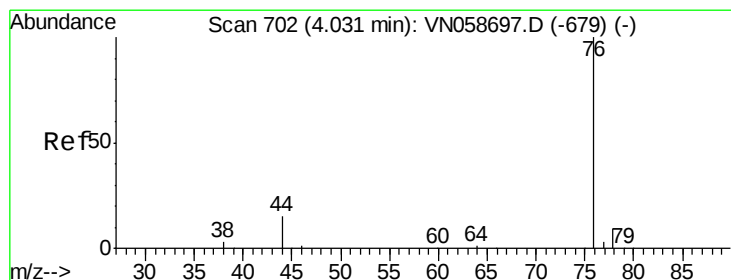
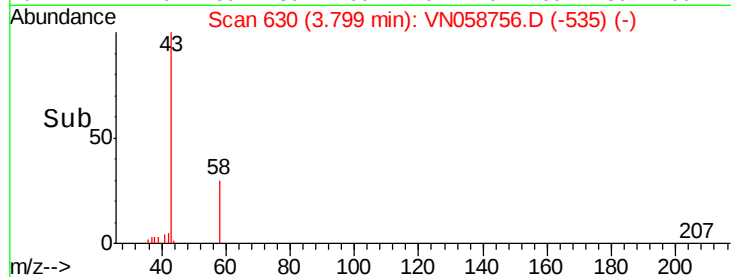
4000

2000

0

3.70 3.75 3.80 3.85 3.90

Time-->



#17

Carbon Disulfide

Concen: 0.270 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058756.D

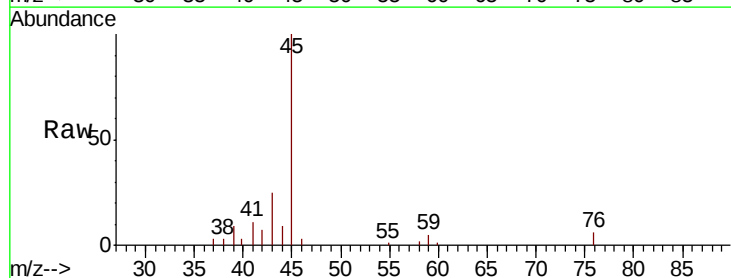
Acq: 14 Oct 2019 18:01

Tgt Ion: 76 Resp: 3182

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN058697.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN058697.D (-679) (-)

4.03

1500

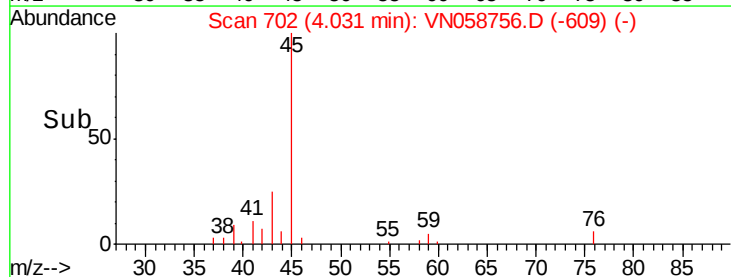
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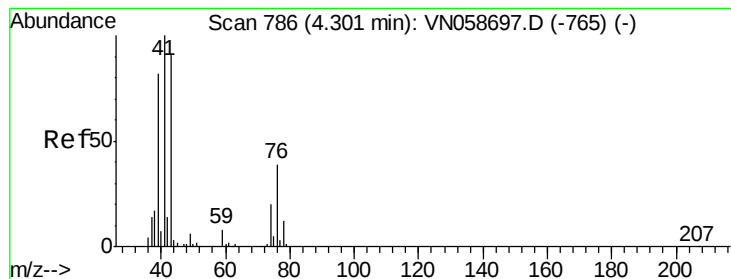
500

0

4.00 4.05 4.10

Time-->





#18

Methyl Acetate

Concen: 0.222 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN058756.D

Acq: 14 Oct 2019 18:01

Instrument :

MSVOA_N

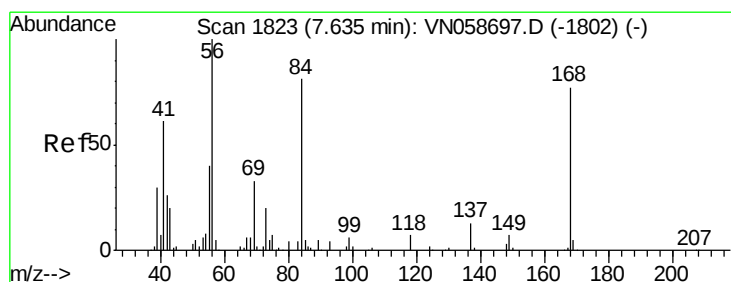
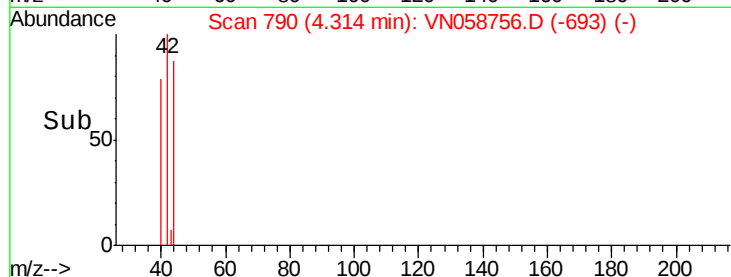
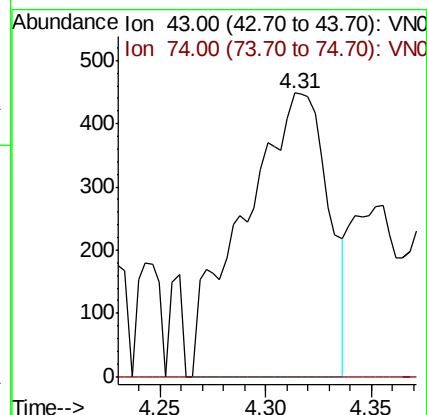
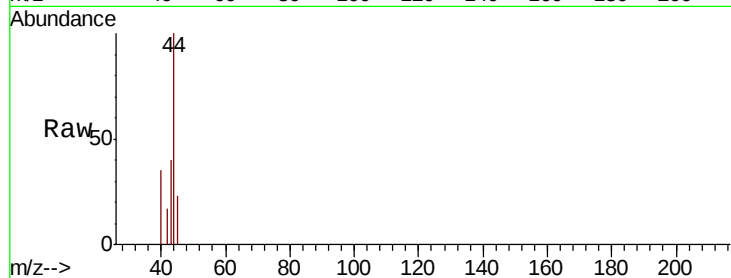
ClientSampled :

Tot Ion: 43 Resp: 1249

Ion Ratio Lower Upper

43 100

74 0.0 17.2 25.8#



#31

Cyclohexane

Concen: 1.107 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058756.D

Acq: 14 Oct 2019 18:01

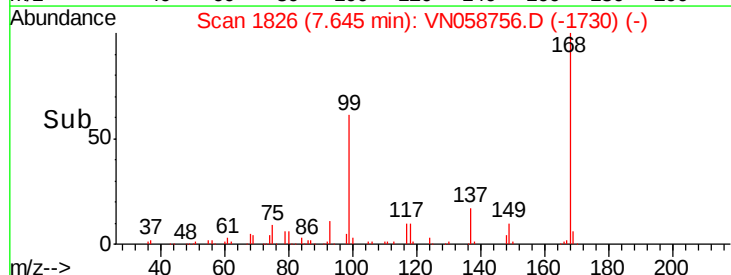
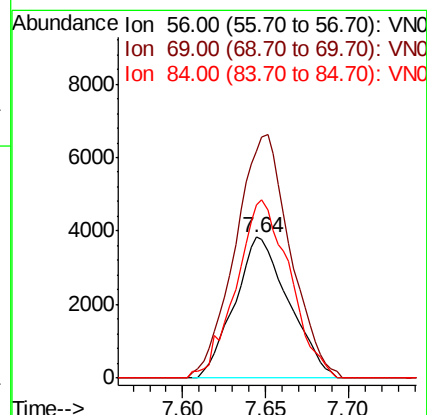
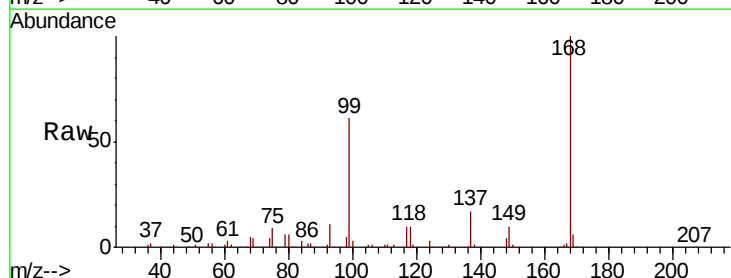
Tgt Ion: 56 Resp: 8719

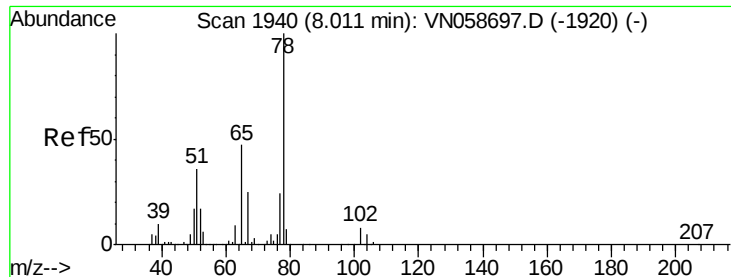
Ion Ratio Lower Upper

56 100

69 161.4 26.2 39.4#

84 122.9 64.9 97.3#

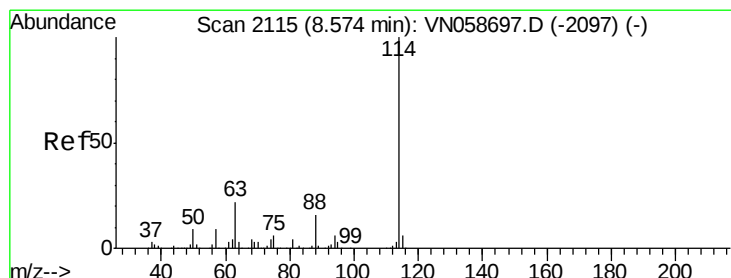
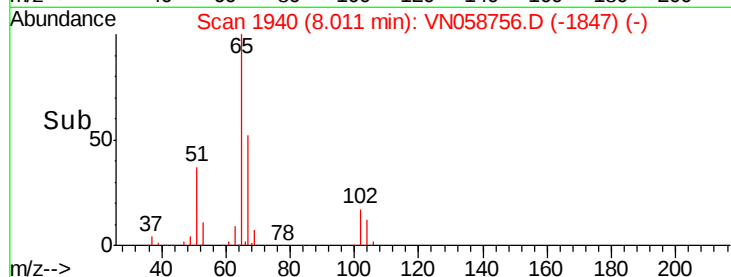
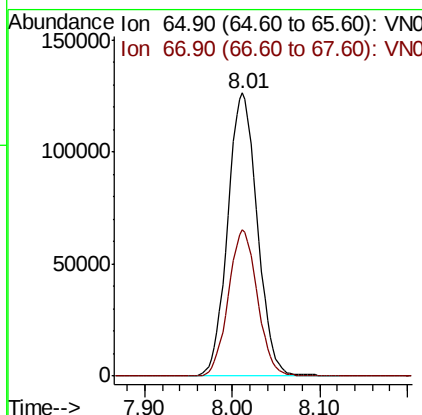
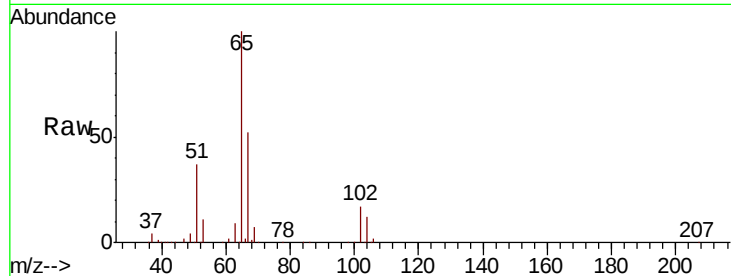




#33
 1,2-Dichloroethane-d4
 Concen: 55.238 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058756.D
 Acq: 14 Oct 2019 18:01

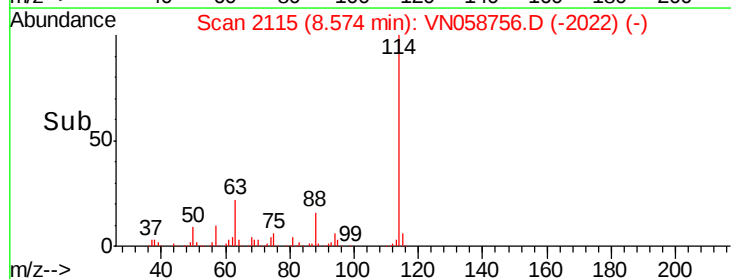
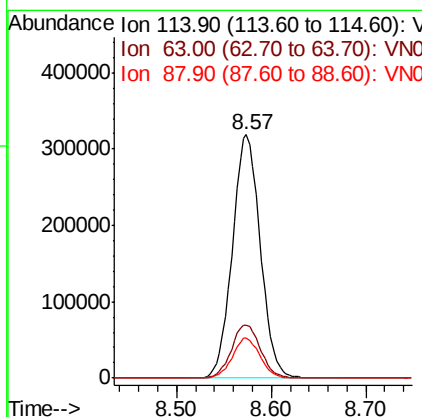
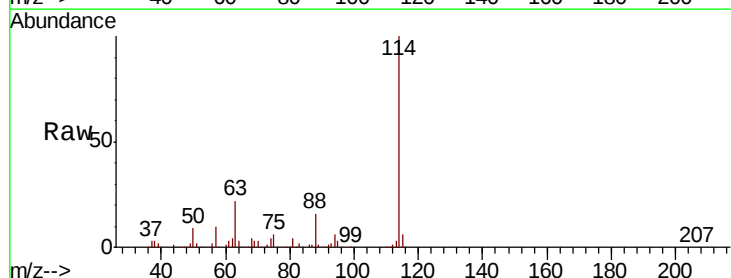
Instrument :
 MSVOA_N
 ClientSampled :

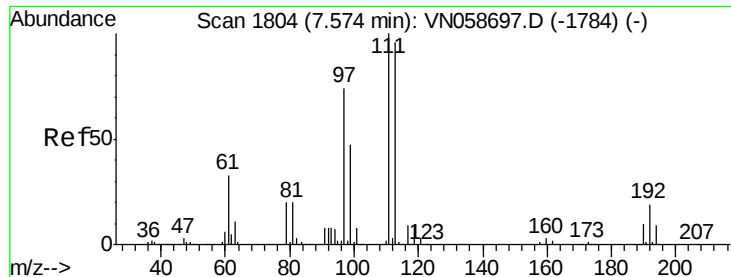
Tot Ion: 65 Resp: 296590
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058756.D
 Acq: 14 Oct 2019 18:01

Tgt Ion: 114 Resp: 651748
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.8
 88 16.4 0.0 32.0

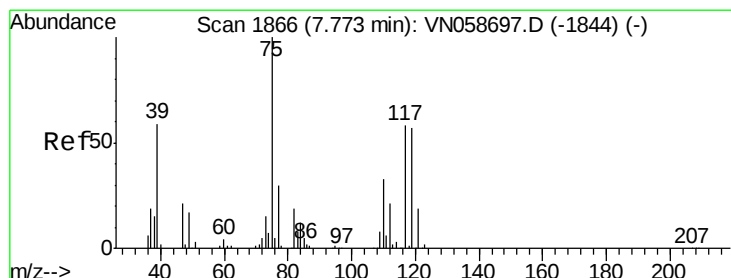
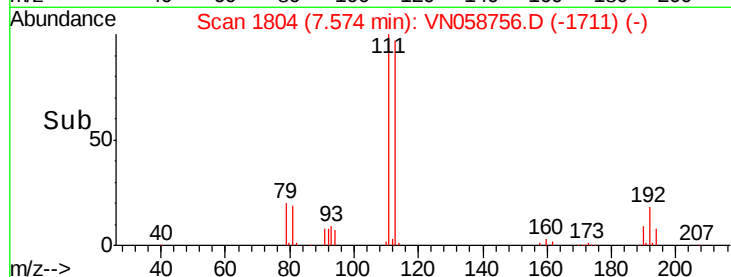
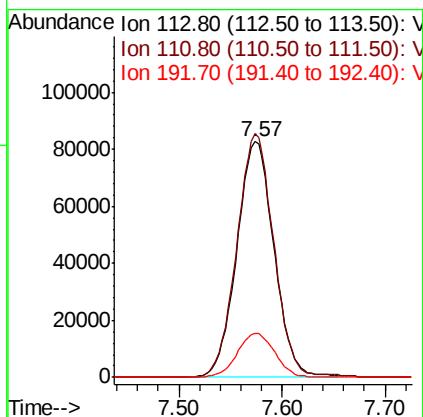
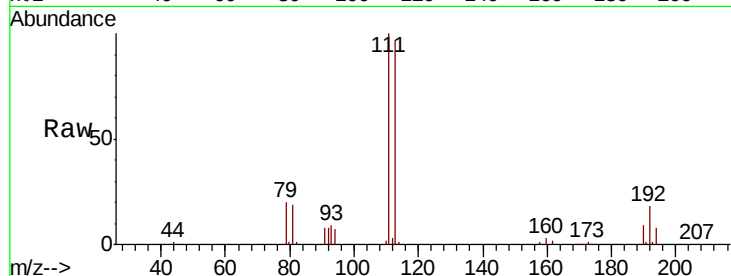




#35
 Dibromofluoromethane
 Concen: 51.569 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058756.D
 Acq: 14 Oct 2019 18:01

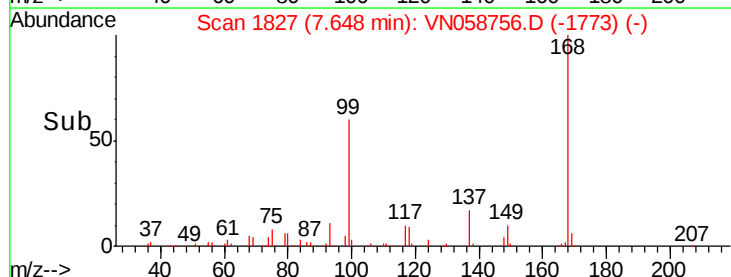
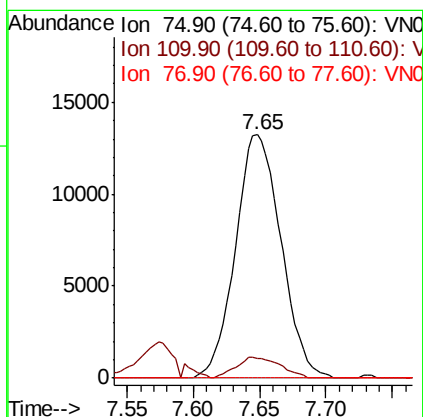
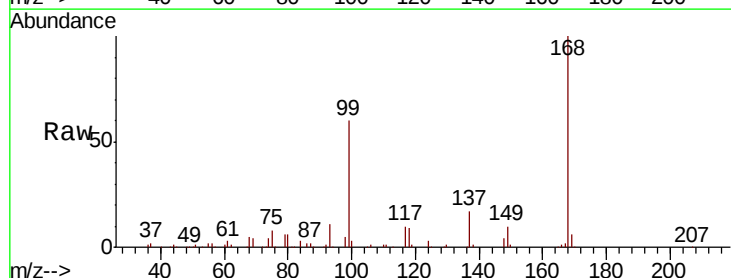
Instrument :
 MSVOA_N
 ClientSampled :

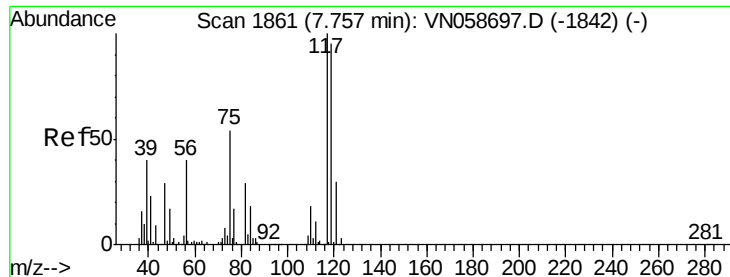
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.3	123.5
192	18.8	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 4.813 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058756.D
 Acq: 14 Oct 2019 18:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.6	49.8#
77	0.0	24.6	37.0#

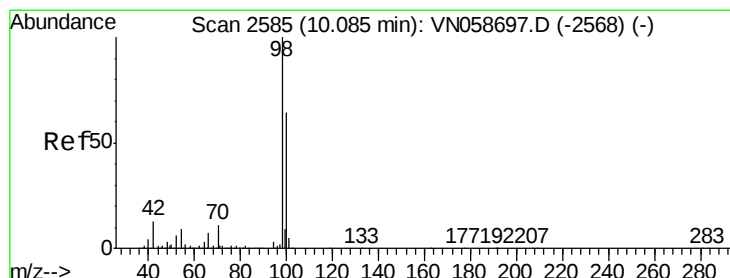
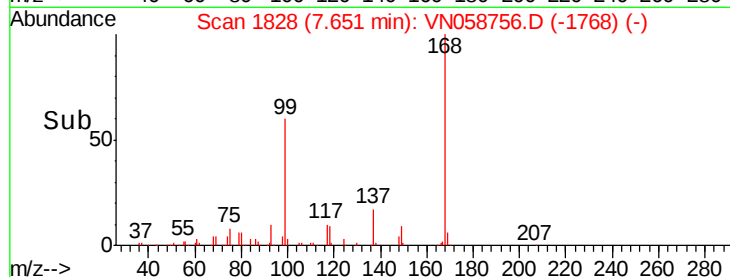
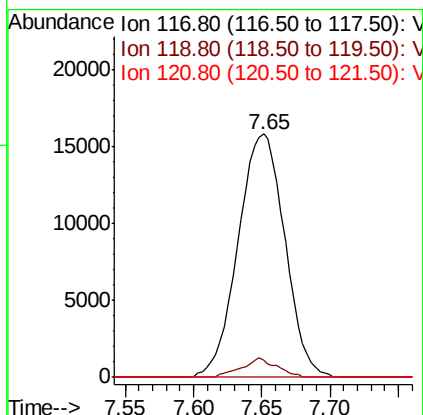
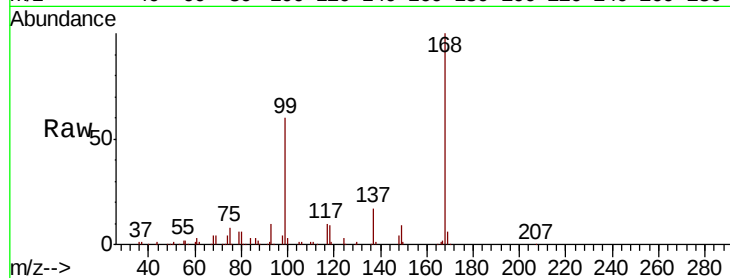




#38
Carbon Tetrachloride
Concen: 5.857 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

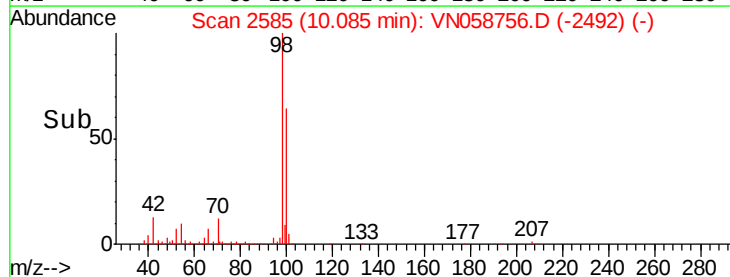
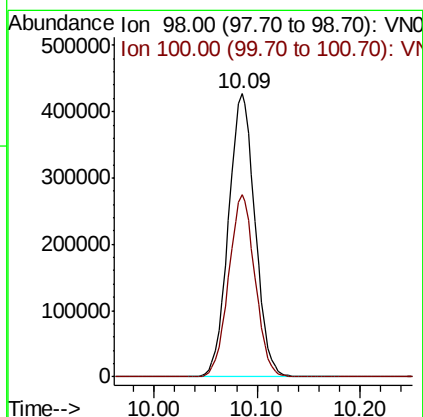
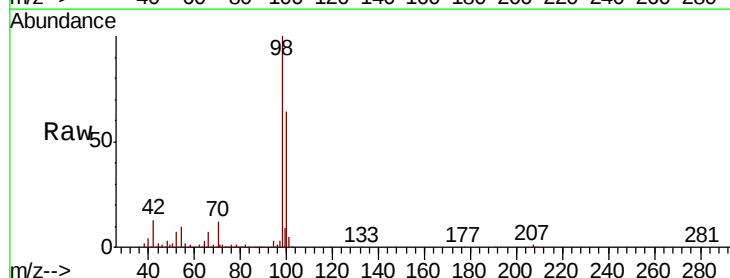
Instrument :
MSVOA_N
ClientSampled :

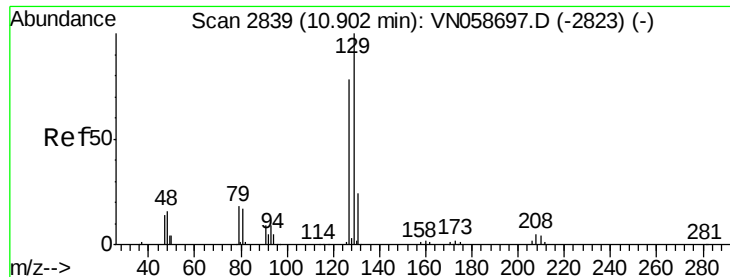
Tot Ion:117 Resp: 37616
Ion Ratio Lower Upper
117 100
119 7.0 75.7 113.5#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 47.631 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

Tgt Ion: 98 Resp: 766772
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7

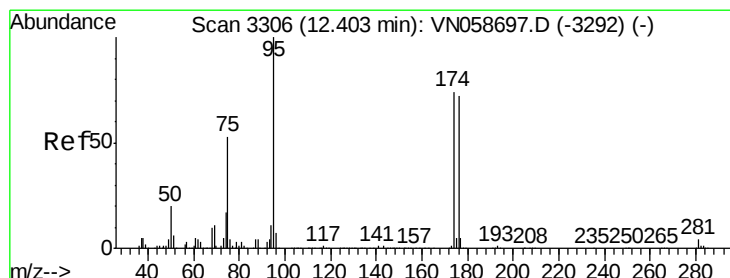
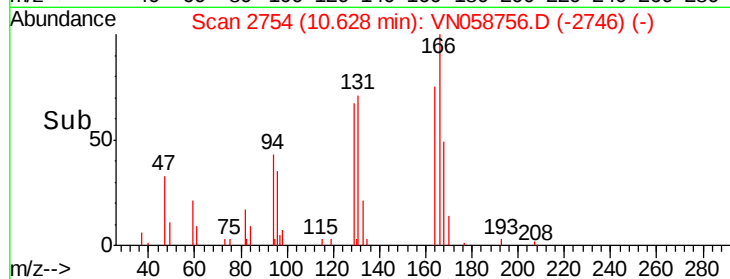
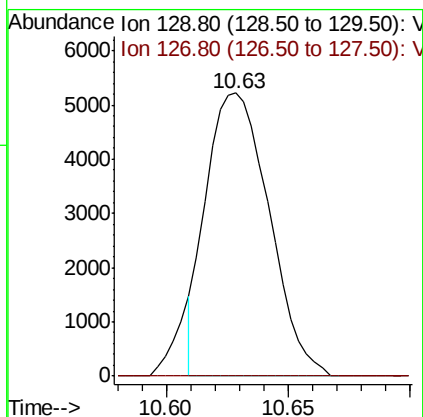
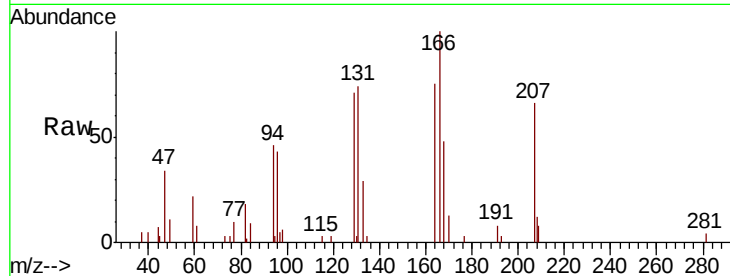




#60
Dibromochloromethane
Concen: 1.912 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

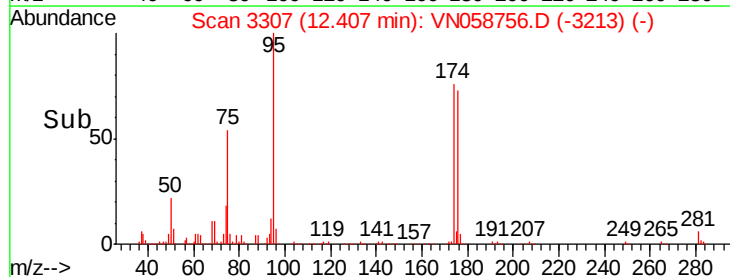
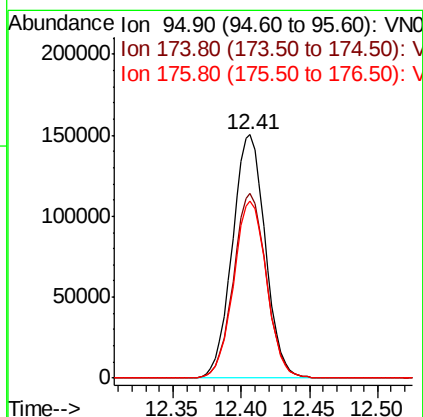
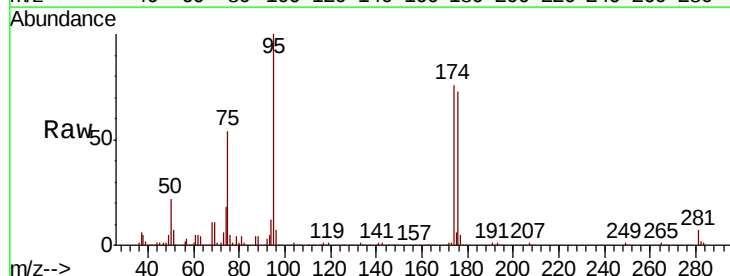
Instrument :
MSVOA_N
ClientSampleId :

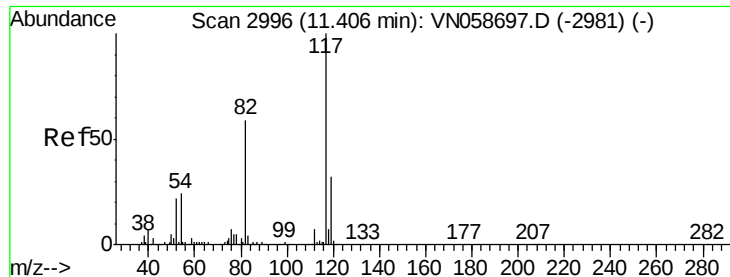
Tot Ion:129 Resp: 9345
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 41.387 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

Tgt Ion: 95 Resp: 252199
Ion Ratio Lower Upper
95 100
174 75.7 0.0 150.4
176 73.1 0.0 146.8

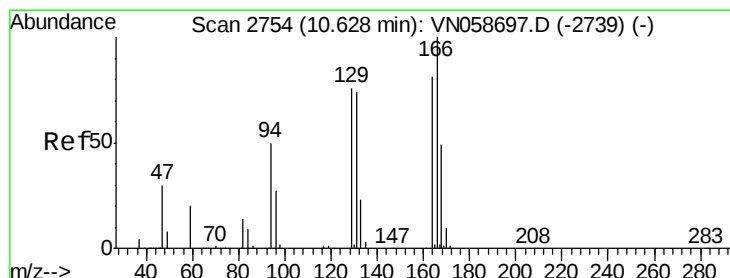
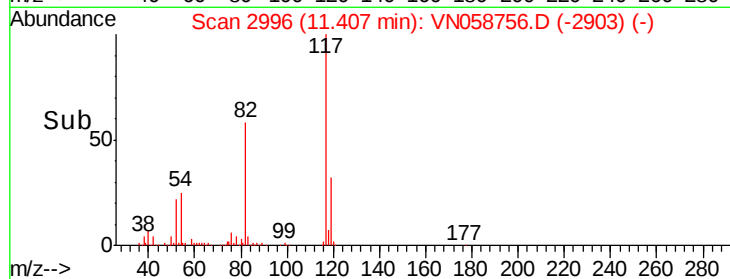
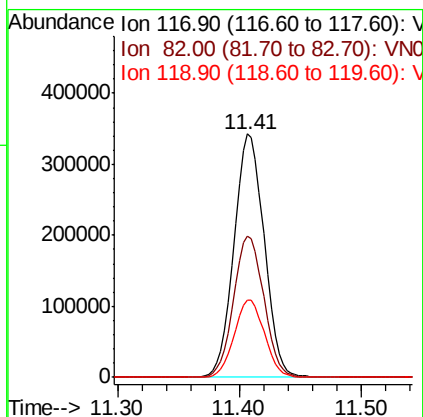
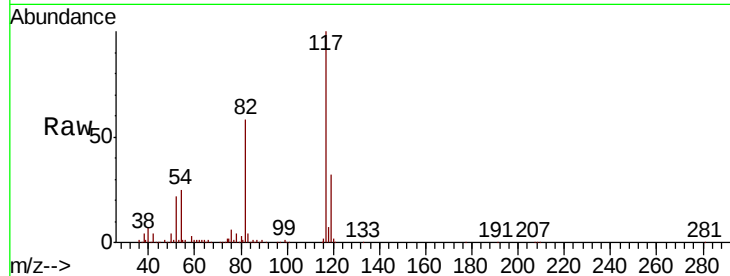




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

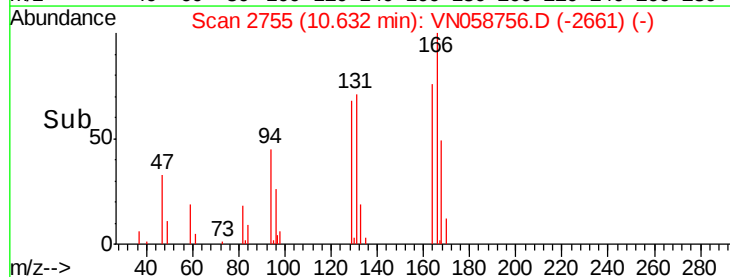
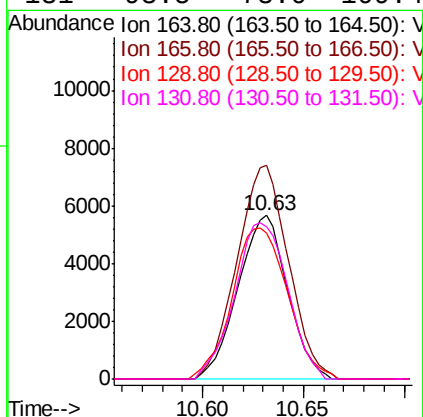
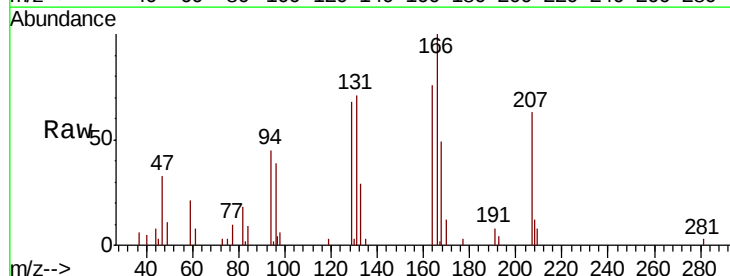
Instrument :
MSVOA_N
ClientSampled :

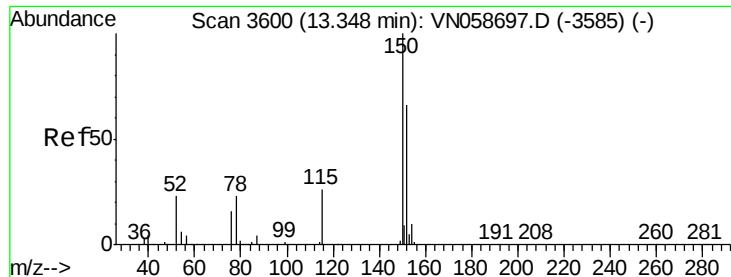
Tot Ion:117 Resp: 587636
Ion Ratio Lower Upper
117 100
82 58.0 47.0 70.4
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 2.365 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

Tgt Ion:164 Resp: 9724
Ion Ratio Lower Upper
164 100
166 130.8 99.3 148.9
129 89.4 75.2 112.8
131 93.5 73.0 109.4



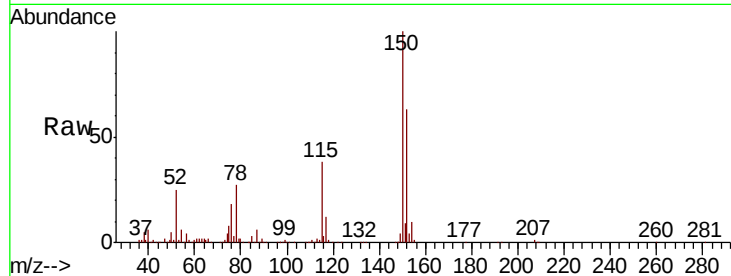


#72

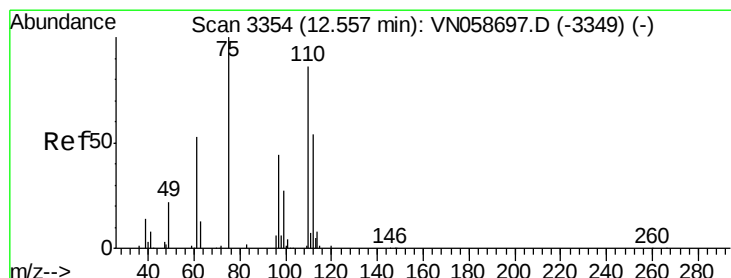
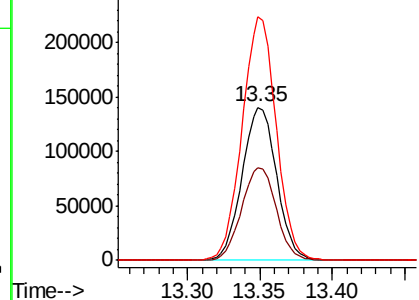
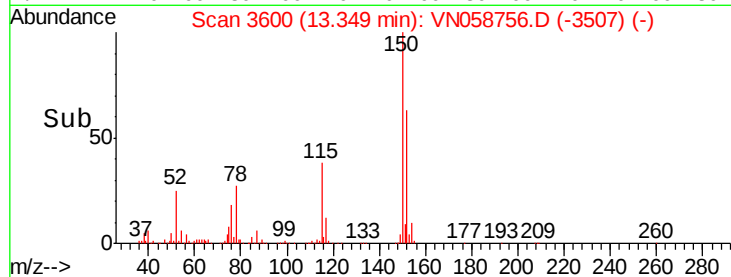
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.4	91.2
150	157.2	0.0	345.4



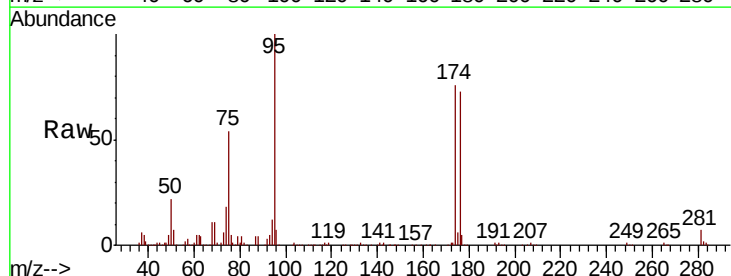
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



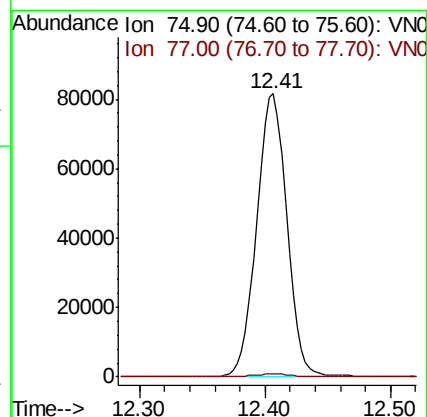
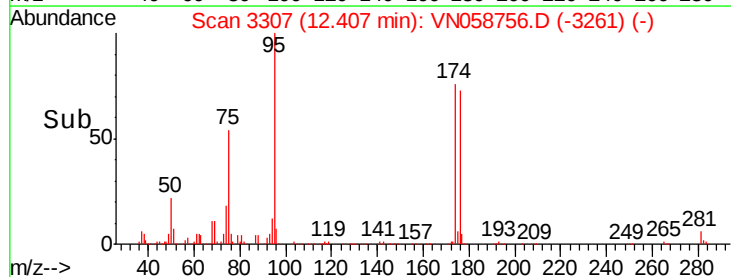
#76

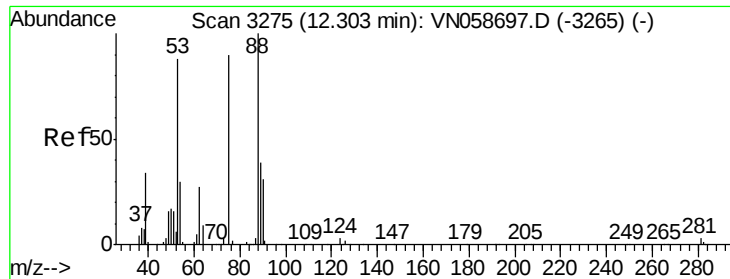
1,2,3-Trichloropropane
Concen: 26.854 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.15 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

Tgt 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

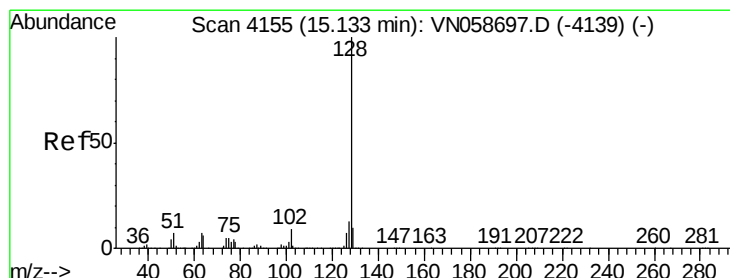
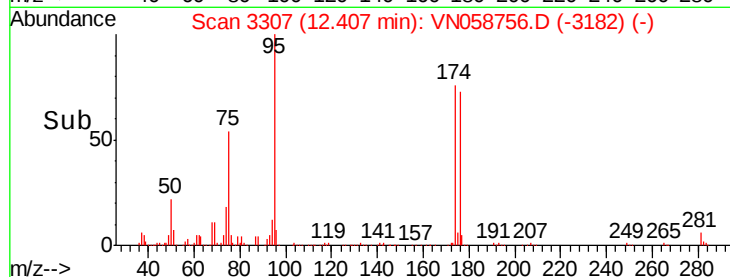
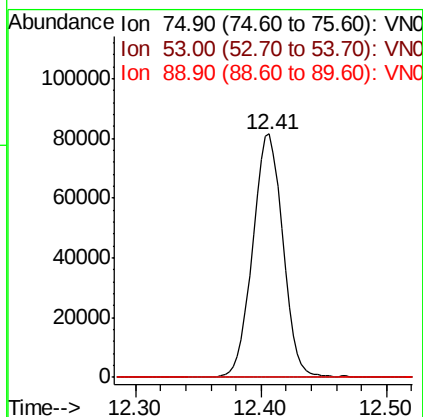
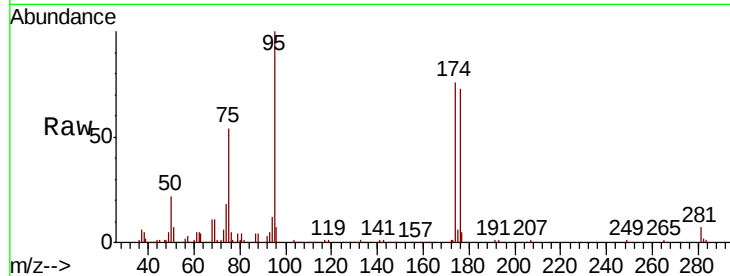




#81
trans-1,4-Dichloro-2-butene
Concen: 71.932 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 137186
Ion Ratio Lower Upper
75 100
53 0.0 78.4 117.6#
89 0.1 34.9 52.3#



#95
Naphthalene
Concen: 0.250 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058756.D
Acq: 14 Oct 2019 18:01

Tgt Ion:128 Resp: 3229
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.4
129 10.0 8.5 12.7

