

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058766.D
 Acq On : 14 Oct 2019 21:42
 Operator : JC/SP
 Sample : K5292-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 15 03:17:02 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	382621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	649637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	589500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	252077	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	303144	56.59	ug/l	0.00
Spiked Amount			Recovery	=	113.18%	
35) Dibromofluoromethane	7.65	113	731	0.18	ug/l	0.07
Spiked Amount			Recovery	=	0.36%	
50) Toluene-d8	10.08	98	788856	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.41	95	265744	43.75	ug/l	0.00
Spiked Amount			Recovery	=	87.50%	

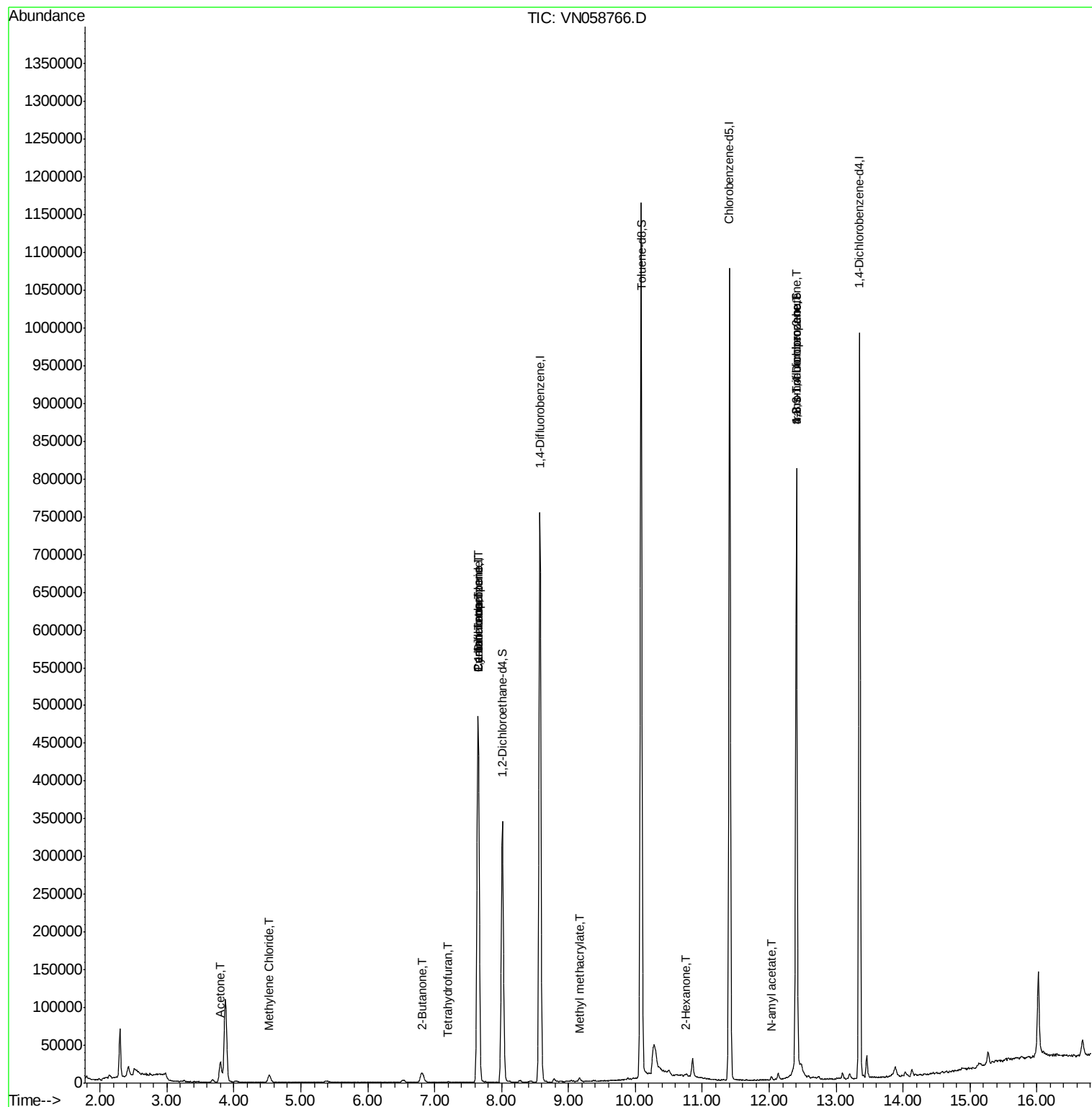
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	46093	20.785	ug/l	97
20) Methylene Chloride	4.53	84	7297	1.574	ug/l	96
25) 2-Butanone	6.83	43	9330	2.911	ug/l	99
29) Tetrahydrofuran	7.20	42	417	0.201	ug/l #	42
31) Cyclohexane	7.65	56	9433	1.201	ug/l #	5
36) 1,1-Dichloropropene	7.65	75	31055	4.728	ug/l #	51
38) Carbon Tetrachloride	7.65	117	39093	6.107	ug/l #	17
48) Methyl methacrylate	9.16	41	1803	0.351	ug/l #	43
59) 2-Hexanone	10.75	43	2050	0.417	ug/l #	48
74) N-amyl acetate	12.03	43	3208	0.391	ug/l #	46
76) 1,2,3-Trichloropropane	12.41	75	141454	25.580	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	141454	68.520	ug/l #	11

(#) = 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# 1828

Delta R.T. 0.00 min

Lab File: VN058766.D

Acq: 14 Oct 2019 21:42

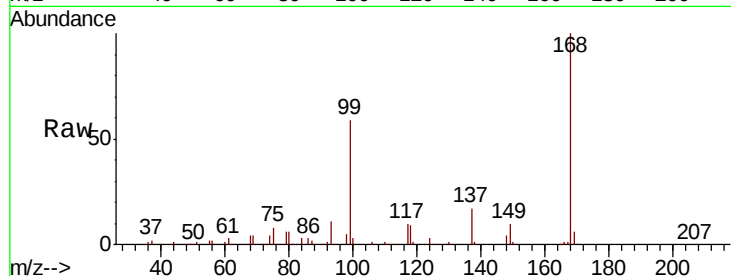
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 382621

Ion Ratio Lower Upper

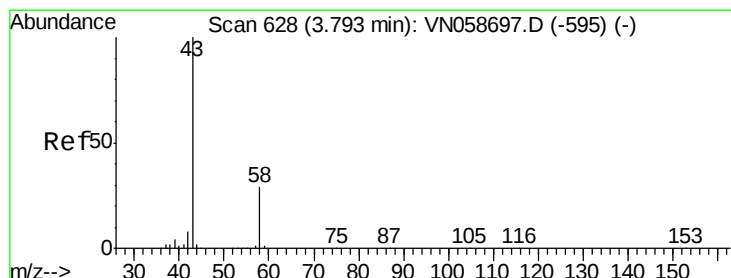
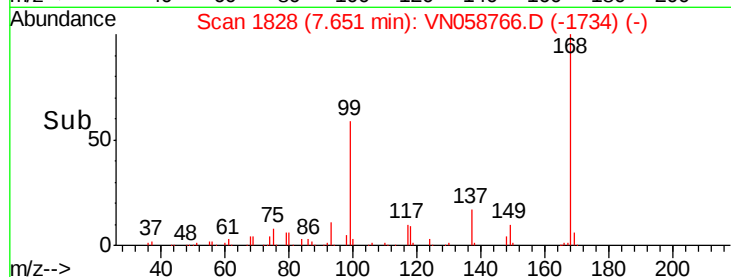
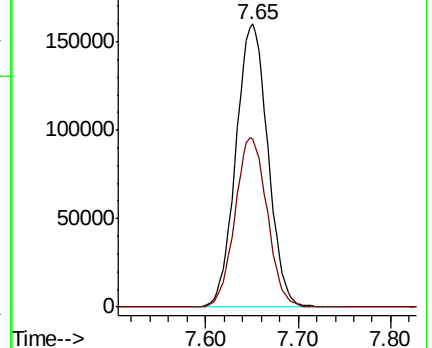
168 100

99 59.3 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 20.785 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058766.D

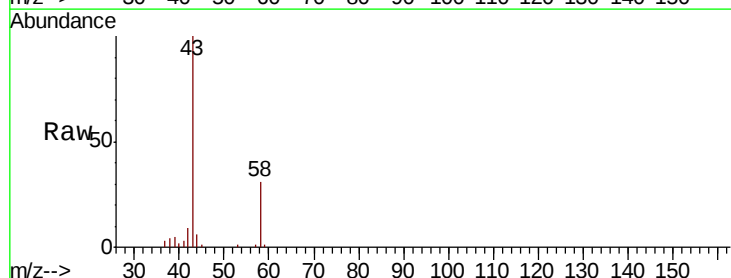
Acq: 14 Oct 2019 21:42

Tgt Ion: 43 Resp: 46093

Ion Ratio Lower Upper

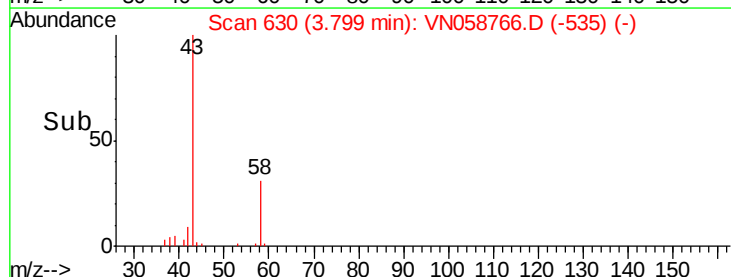
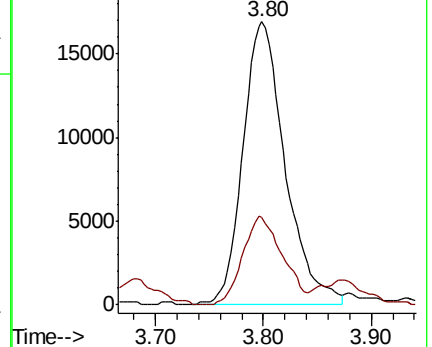
43 100

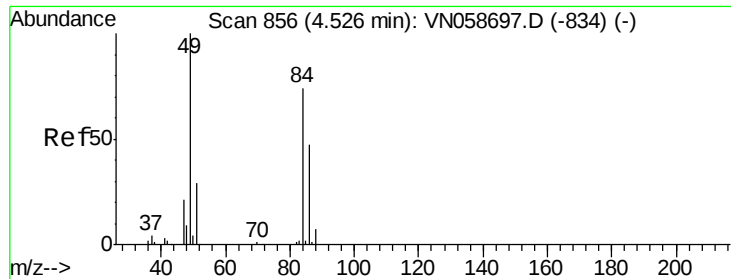
58 30.8 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

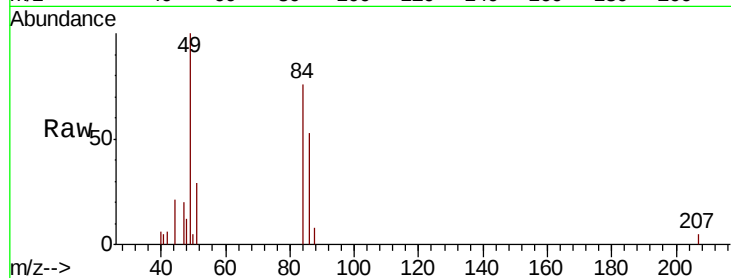




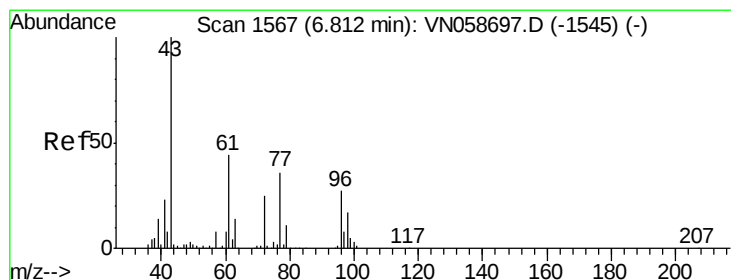
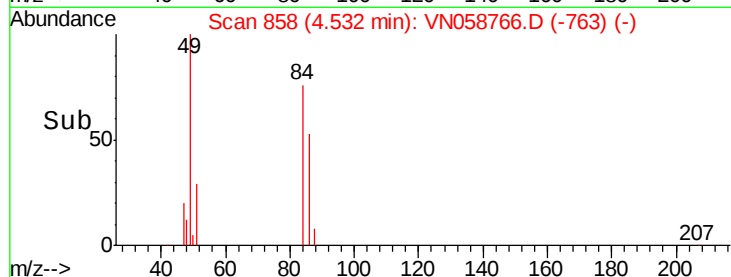
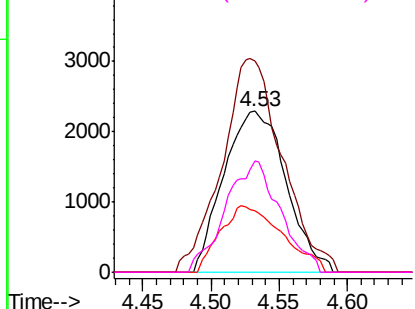
#20
Methylene Chloride
Concen: 1.574 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058766.D
Acq: 14 Oct 2019 21:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	7297
Ion	Ratio	Lower	Upper
84	100		
49	131.1	107.6	161.4
51	38.6	31.4	47.0
86	69.5	50.3	75.5

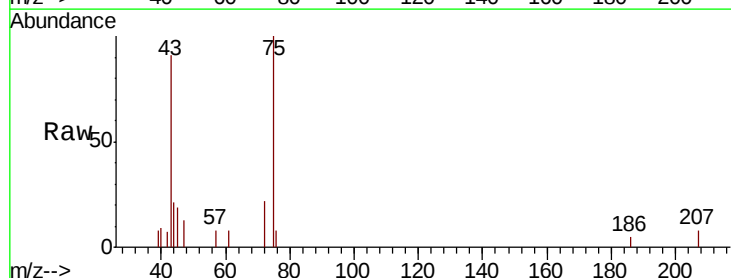


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

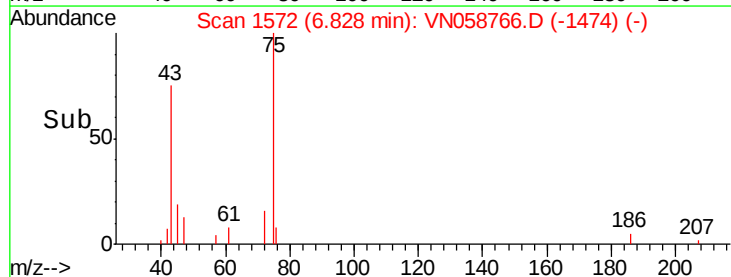
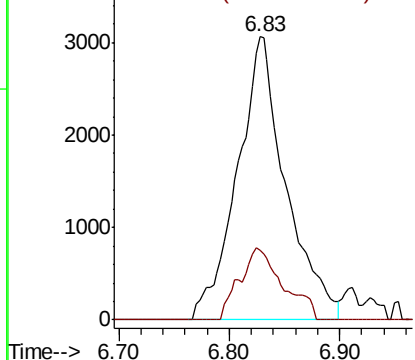


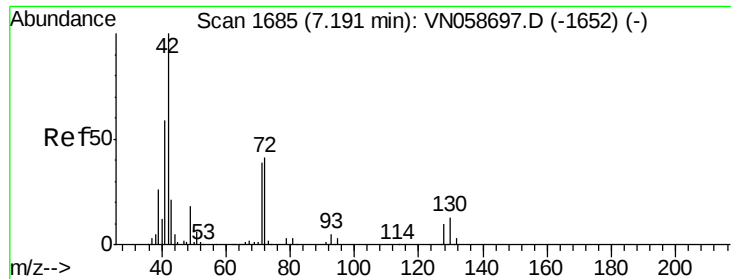
#25
2-Butanone
Concen: 2.911 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.02 min
Lab File: VN058766.D
Acq: 14 Oct 2019 21:42

Tgt Ion:	43	Resp:	9330
Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.2	30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

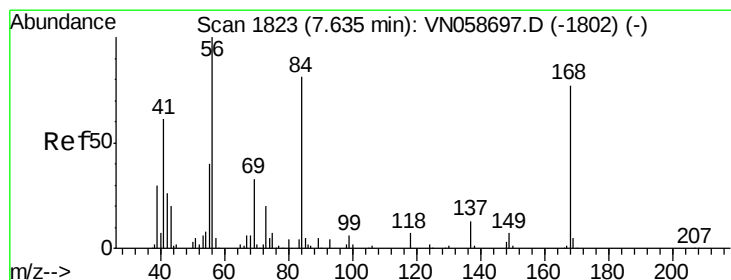
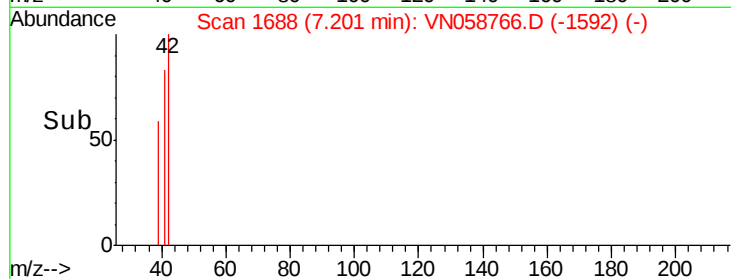
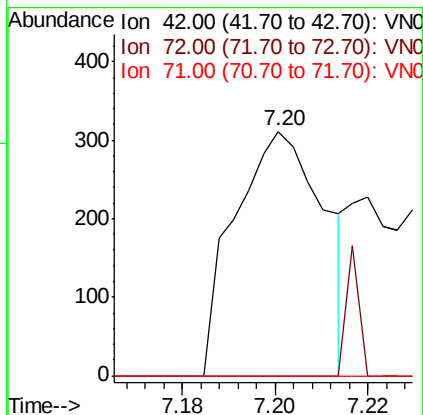
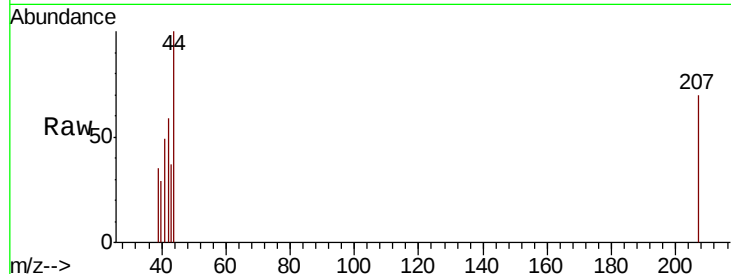




#29
Tetrahydrofuran
Concen: 0.201 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN058766.D
Acq: 14 Oct 2019 21:42

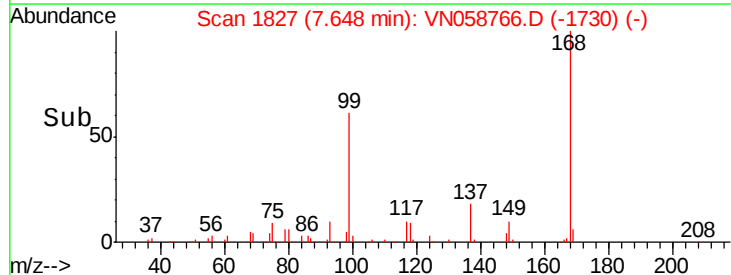
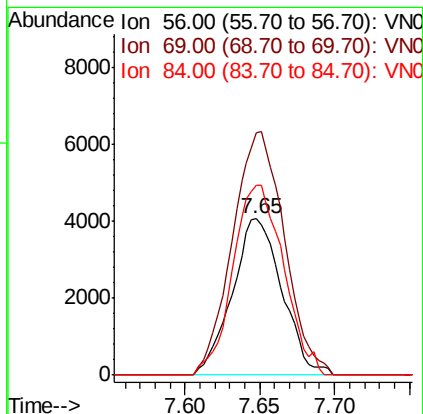
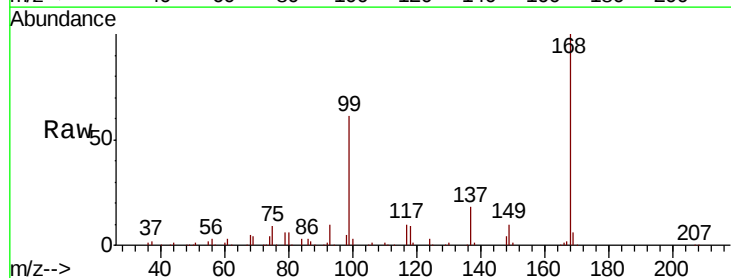
Instrument :
MSVOA_N
ClientSampleId :

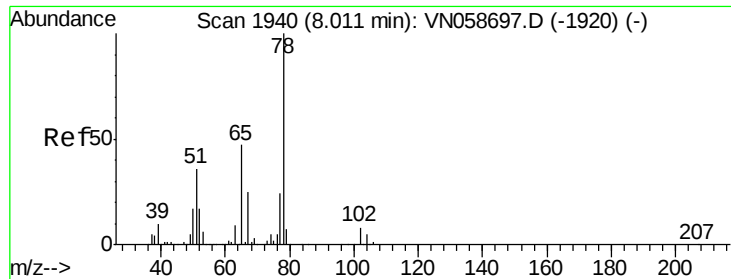
Tot Ion: 42 Resp: 417
Ion Ratio Lower Upper
42 100
72 7.7 32.8 49.2#
71 0.0 31.1 46.7#



#31
Cyclohexane
Concen: 1.201 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058766.D
Acq: 14 Oct 2019 21:42

Tgt Ion: 56 Resp: 9433
Ion Ratio Lower Upper
56 100
69 154.8 26.2 39.4#
84 121.6 64.9 97.3#

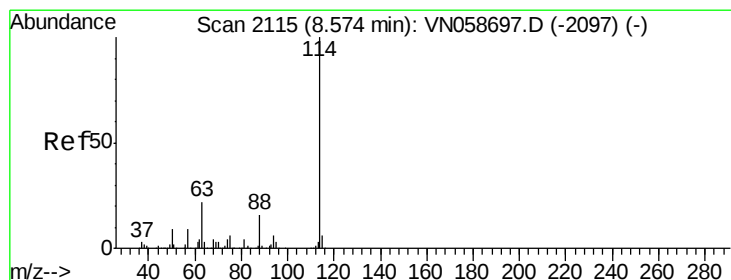
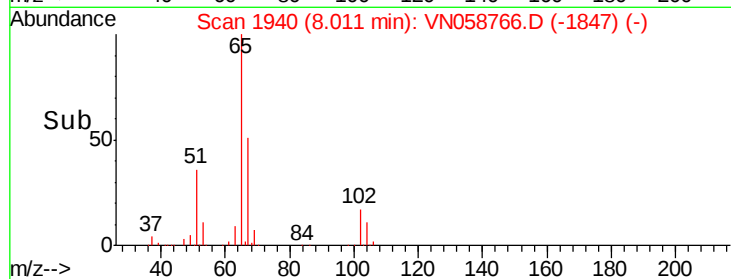
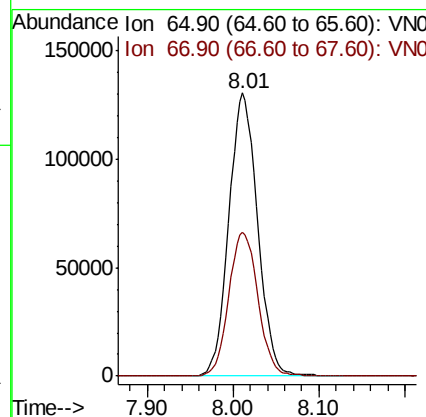
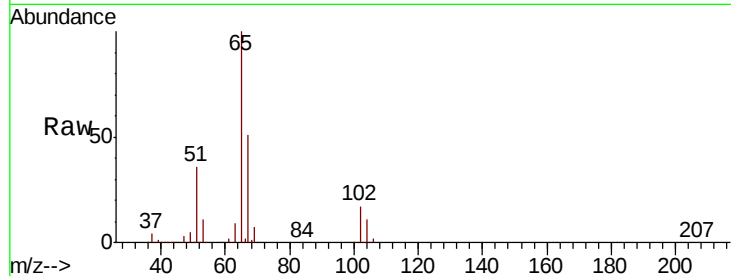




#33
 1,2-Dichloroethane-d4
 Concen: 56.592 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058766.D
 Acq: 14 Oct 2019 21:42

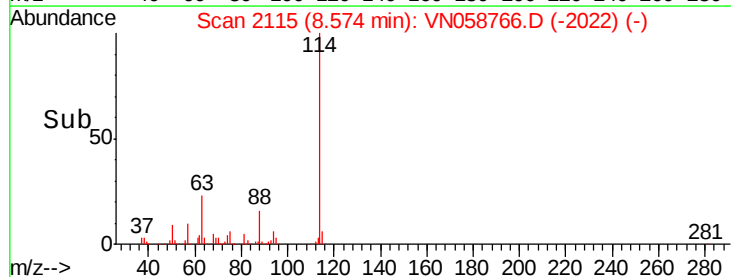
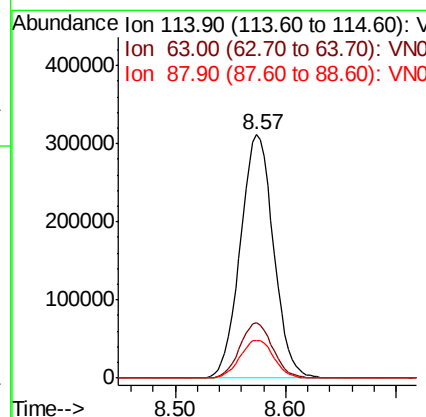
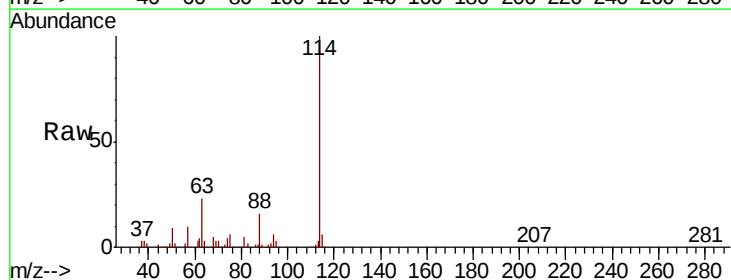
Instrument :
 MSVOA_N
 ClientSampled :

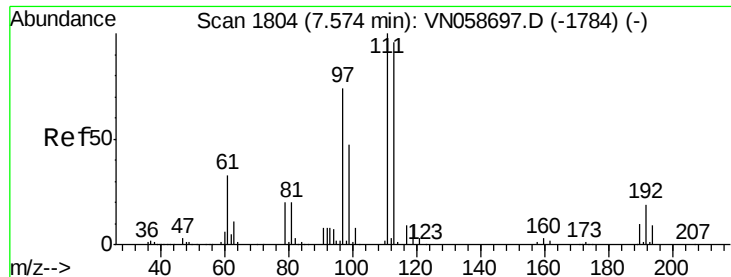
Tot Ion: 65 Resp: 303144
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058766.D
 Acq: 14 Oct 2019 21:42

Tgt Ion: 114 Resp: 649637
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.8
 88 15.6 0.0 32.0

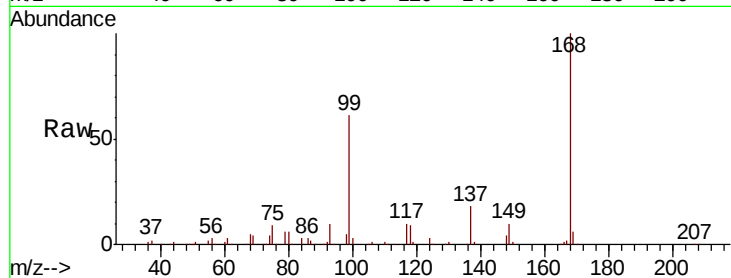




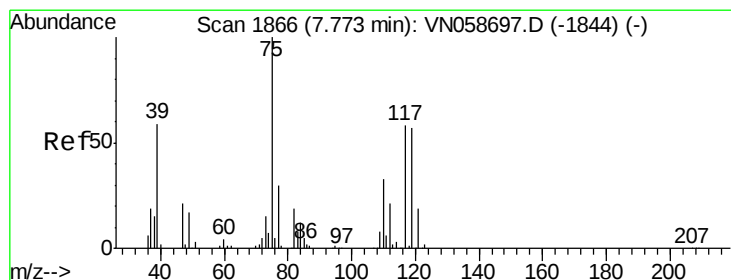
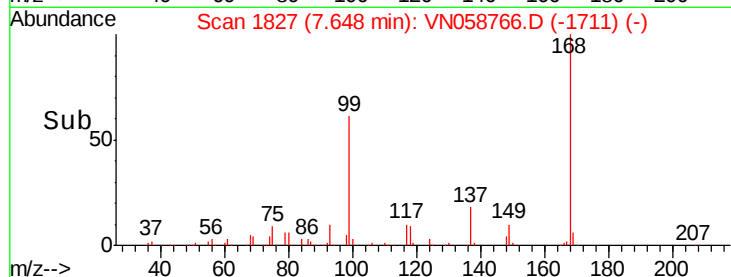
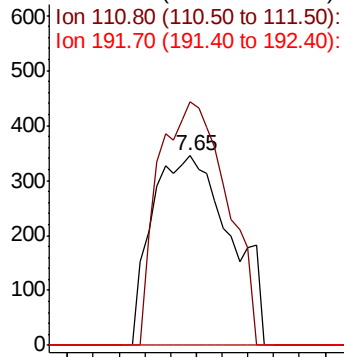
#35
Dibromofluoromethane
Concen: 0.182 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.07 min
Lab File: VN058766.D
Acq: 14 Oct 2019 21:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:113 Resp: 731
Ion Ratio Lower Upper
113 100
111 112.2 82.3 123.5
192 0.0 15.0 22.6#

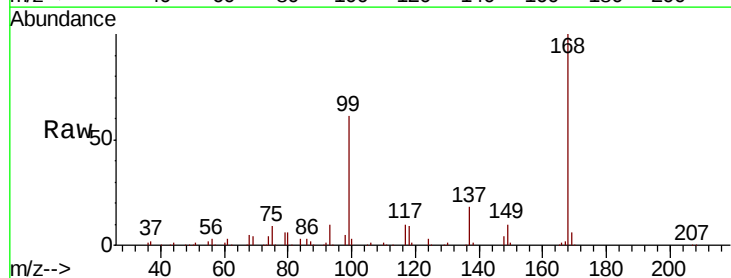


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

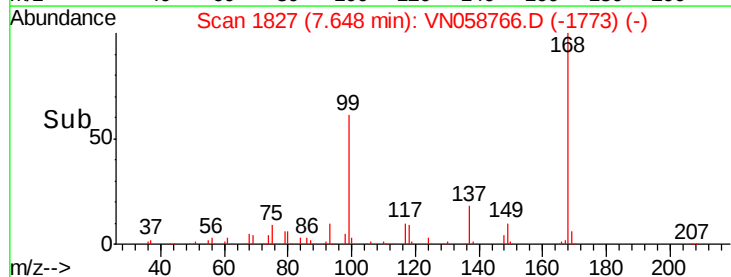
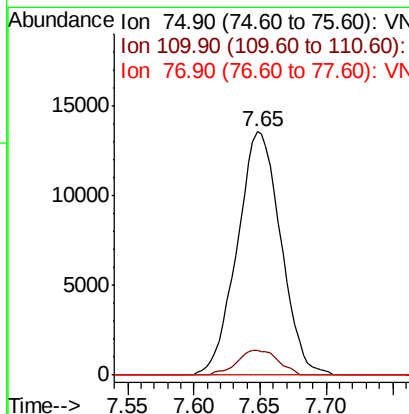


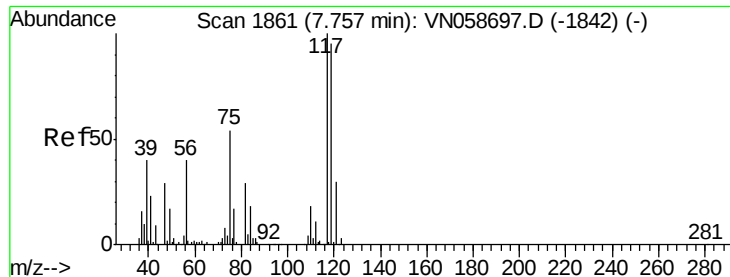
#36
1,1-Dichloropropene
Concen: 4.728 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.13 min
Lab File: VN058766.D
Acq: 14 Oct 2019 21:42

Tgt Ion: 75 Resp: 31055
Ion Ratio Lower Upper
75 100
110 9.7 16.6 49.8#
77 0.0 24.6 37.0#



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





#38

Carbon Tetrachloride

Concen: 6.107 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058766.D

Acq: 14 Oct 2019 21:42

Instrument :

MSVOA_N

ClientSampleId :

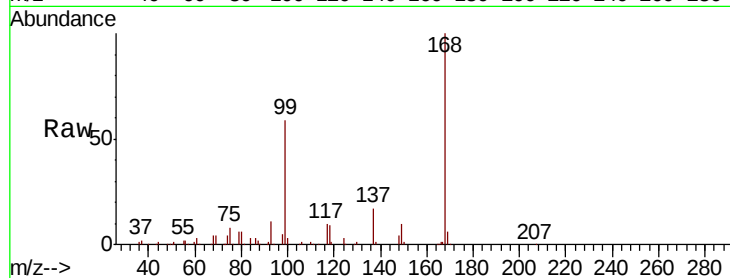
Tot Ion:117 Resp: 39093

Ion Ratio Lower Upper

117 100

119 5.2 75.7 113.5#

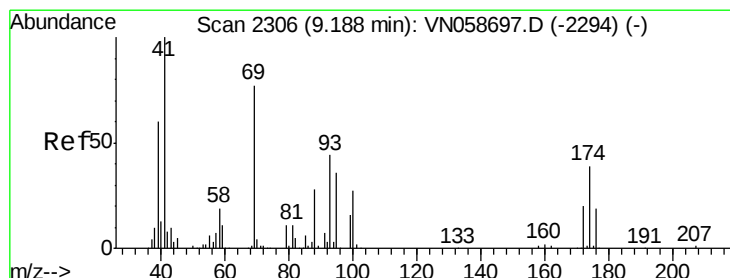
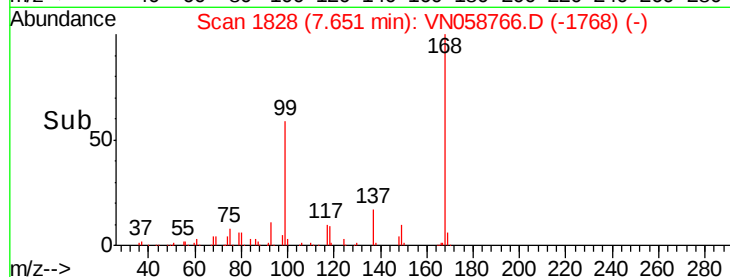
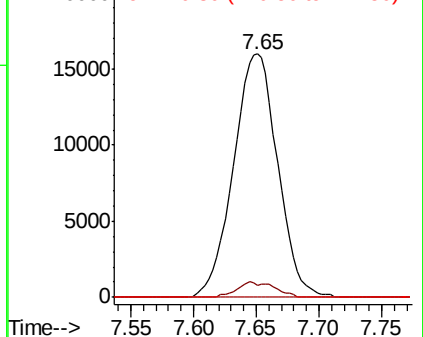
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#48

Methyl methacrylate

Concen: 0.351 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.03 min

Lab File: VN058766.D

Acq: 14 Oct 2019 21:42

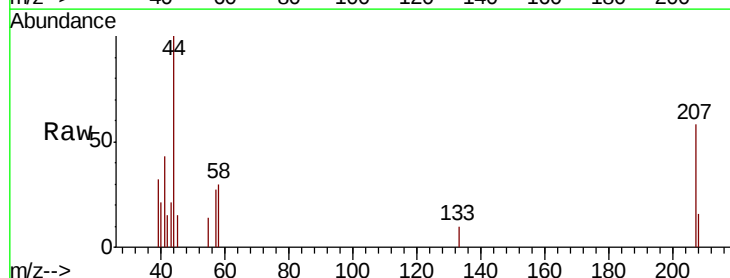
Tgt Ion: 41 Resp: 1803

Ion Ratio Lower Upper

41 100

69 0.0 63.4 95.2#

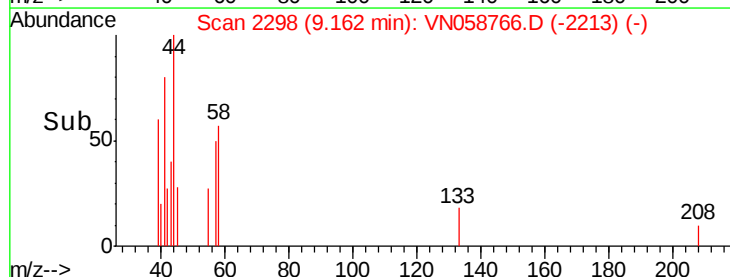
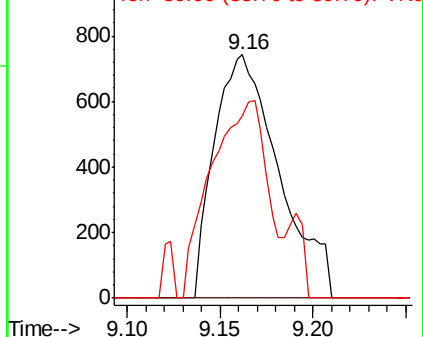
39 71.8 48.9 73.3

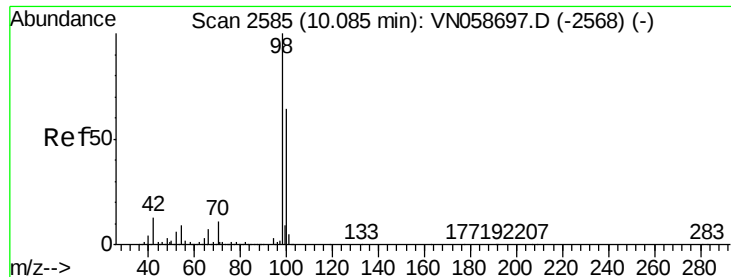


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

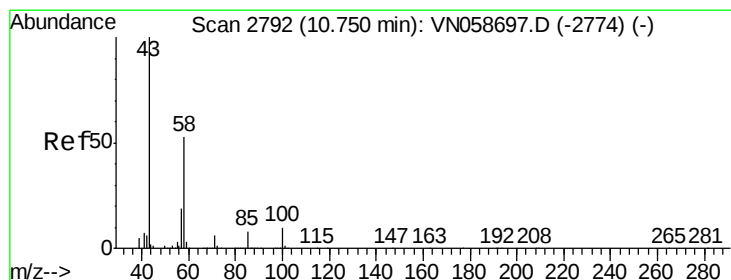
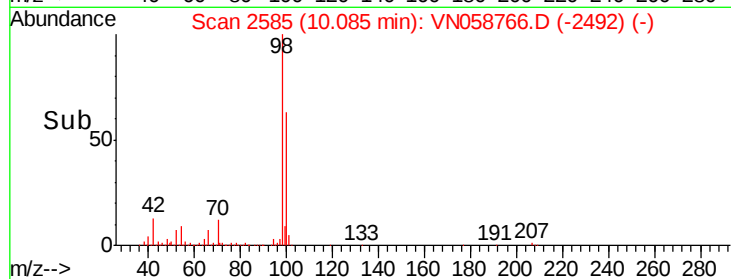
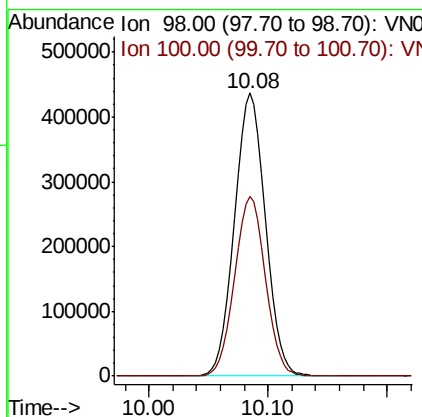
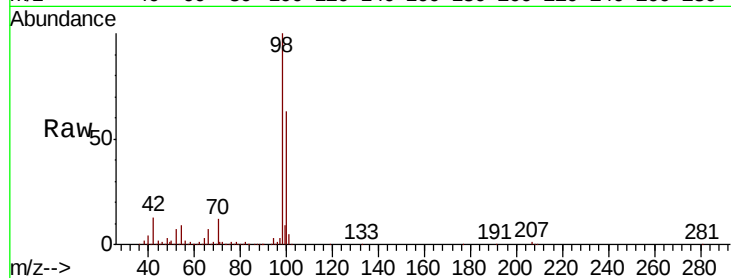




#50
Toluene-d8
Concen: 49.162 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058766.D
Acq: 14 Oct 2019 21:42

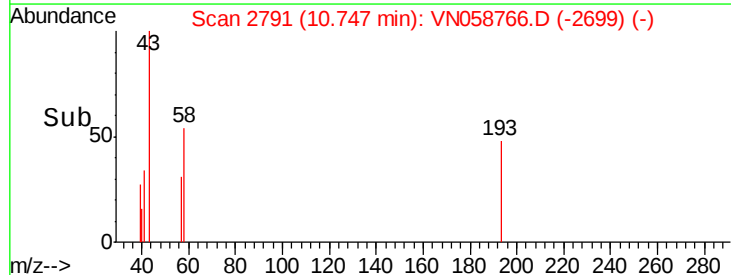
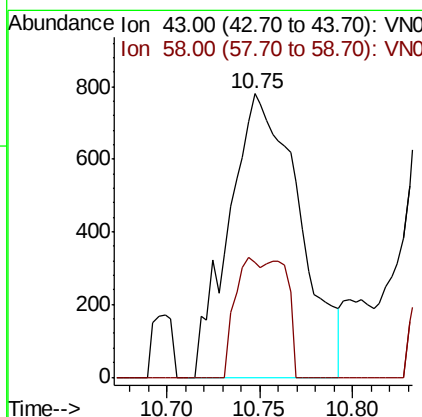
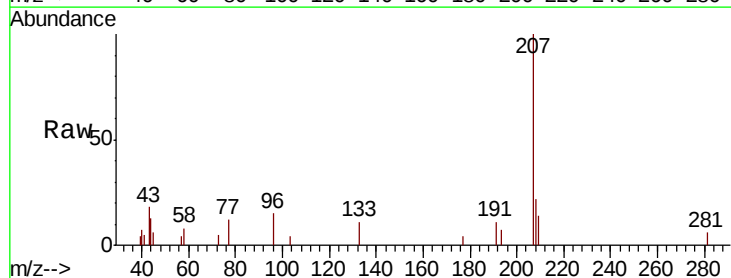
Instrument :
MSVOA_N
ClientSampleId :

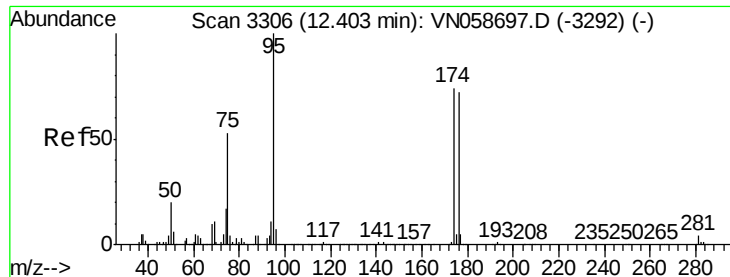
Tot Ion: 98 Resp: 788856
Ion Ratio Lower Upper
98 100
100 63.3 51.1 76.7



#59
2-Hexanone
Concen: 0.417 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058766.D
Acq: 14 Oct 2019 21:42

Tgt Ion: 43 Resp: 2050
Ion Ratio Lower Upper
43 100
58 15.6 26.1 78.3#





#62

4-Bromofluorobenzene

Concen: 43.752 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058766.D

Acq: 14 Oct 2019 21:42

Instrument :

MSVOA_N

ClientSampleId :

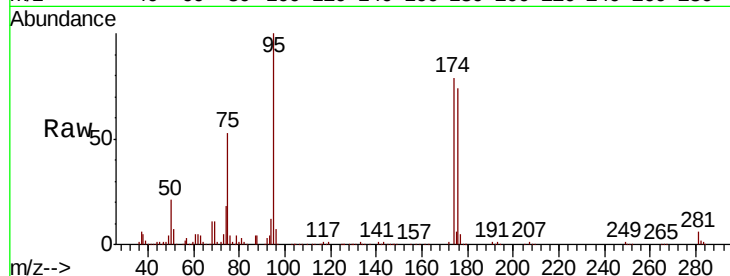
Tot Ion: 95 Resp: 265744

Ion Ratio Lower Upper

95 100

174 77.7 0.0 150.4

176 74.4 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) (-)

12.41

150000

100000

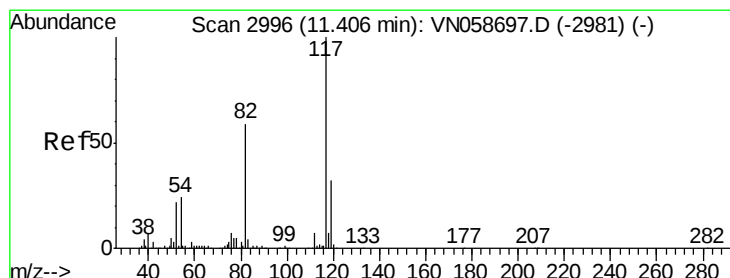
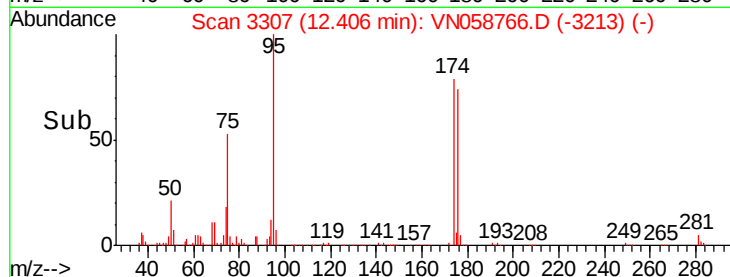
50000

0

12.40

12.50

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058766.D

Acq: 14 Oct 2019 21:42

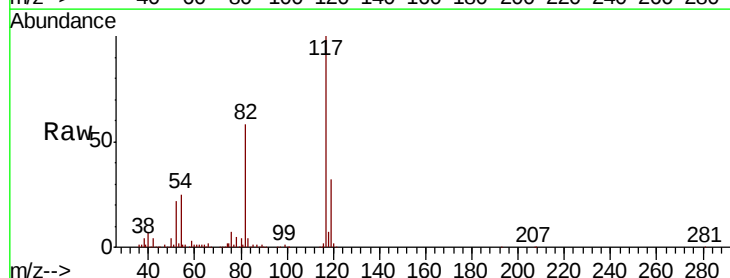
Tgt Ion: 117 Resp: 589500

Ion Ratio Lower Upper

117 100

82 58.3 47.0 70.4

119 31.6 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) (-)

11.41

400000

300000

200000

100000

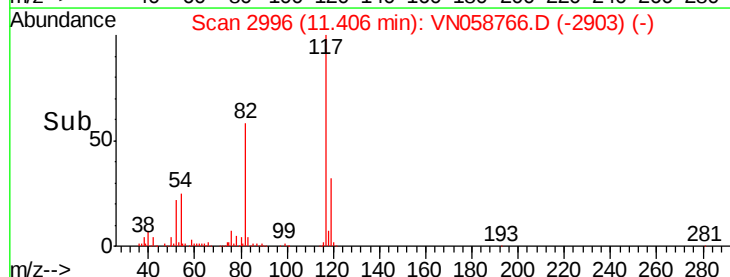
0

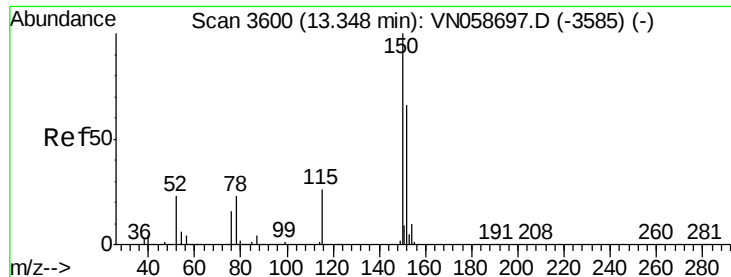
11.30

11.40

11.50

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058766.D

Acq: 14 Oct 2019 21:42

Instrument :

MSVOA_N

ClientSampleId :

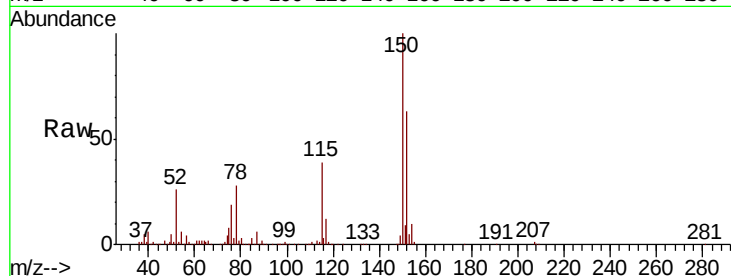
Tot Ion:152 Resp: 252077

Ion Ratio Lower Upper

152 100

115 61.5 30.4 91.2

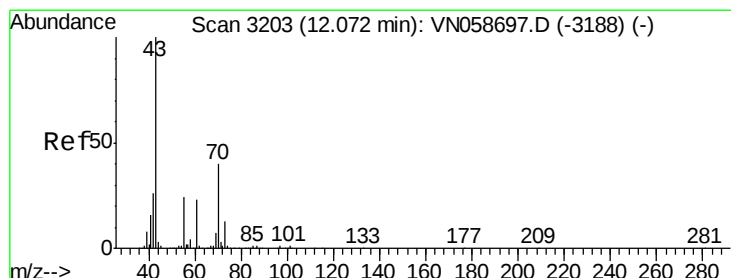
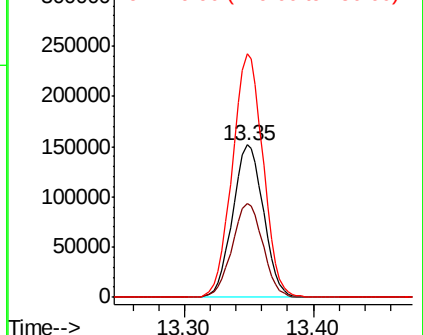
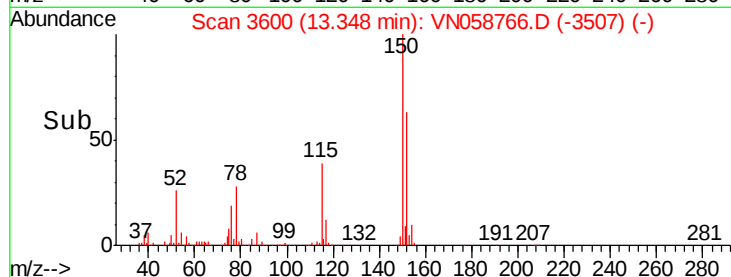
150 159.1 0.0 345.4



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



#74

N-ethyl acetate

Concen: 0.391 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN058766.D

Acq: 14 Oct 2019 21:42

Tgt Ion: 43 Resp: 3208

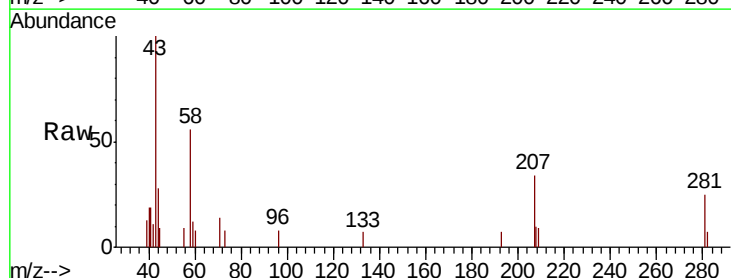
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.4#

55 4.3 19.6 29.4#

61 0.0 18.6 28.0#

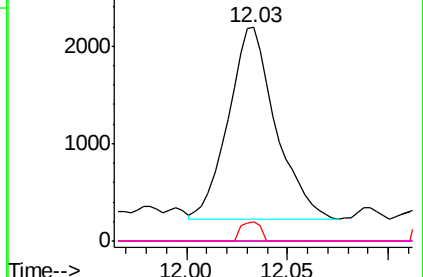
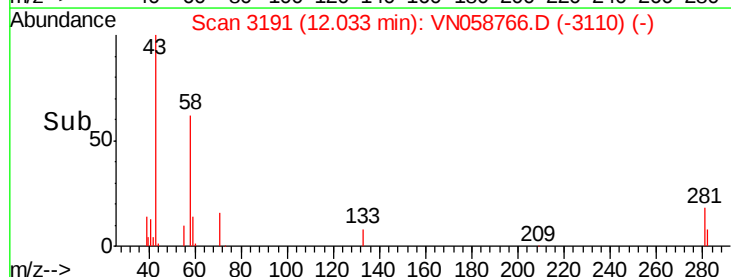


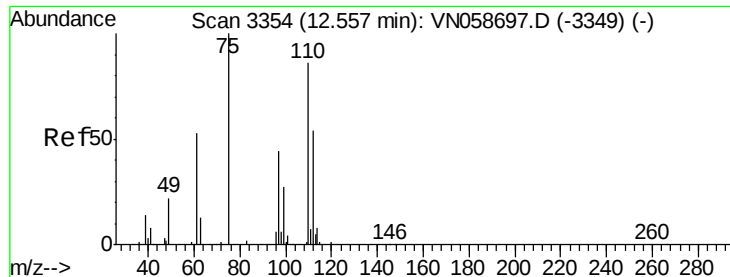
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V



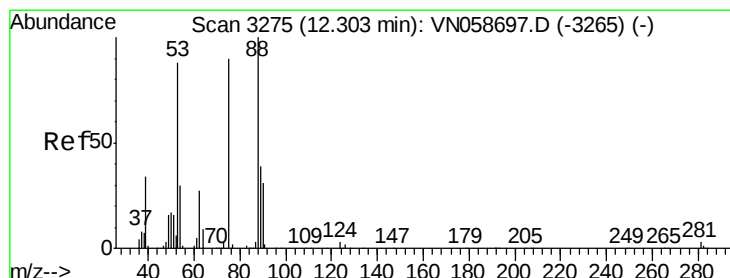
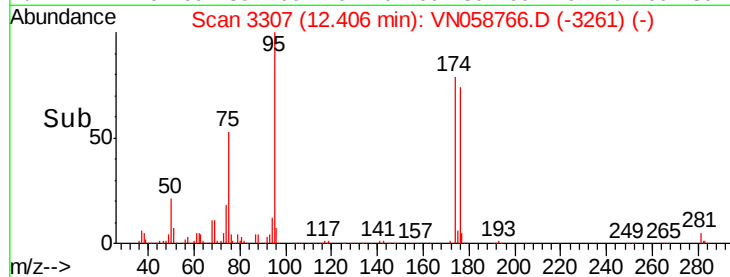
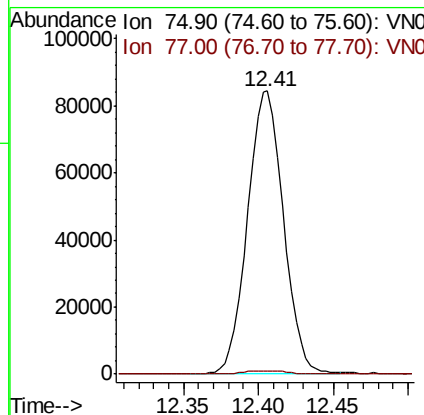
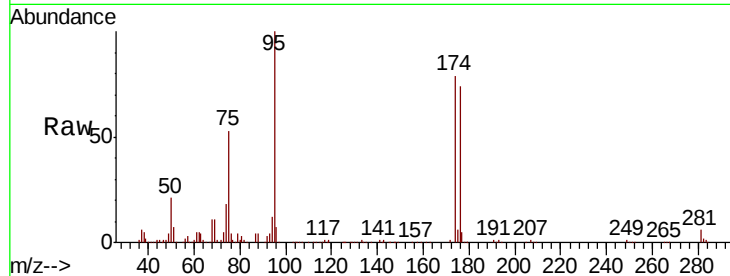


#76

1,2,3-Trichloropropane
Concen: 25.580 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.15 min
Lab File: VN058766.D
Acq: 14 Oct 2019 21:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 141454
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 68.520 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN058766.D
Acq: 14 Oct 2019 21:42

Tgt Ion: 75 Resp: 141454
Ion Ratio Lower Upper
75 100
53 0.0 78.4 117.6#
89 0.0 34.9 52.3#

