

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058796.D
 Acq On : 16 Oct 2019 13:14
 Operator : JC/SP
 Sample : K5358-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 17 01:31:30 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	379145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	595196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	532035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	207267	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	277361	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
35) Dibromofluoromethane	7.57	113	99128	26.96	ug/l	0.00
Spiked Amount			Recovery	=	53.92%	
50) Toluene-d8	10.09	98	736377	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.40	95	239881	43.11	ug/l	0.00
Spiked Amount			Recovery	=	86.22%	

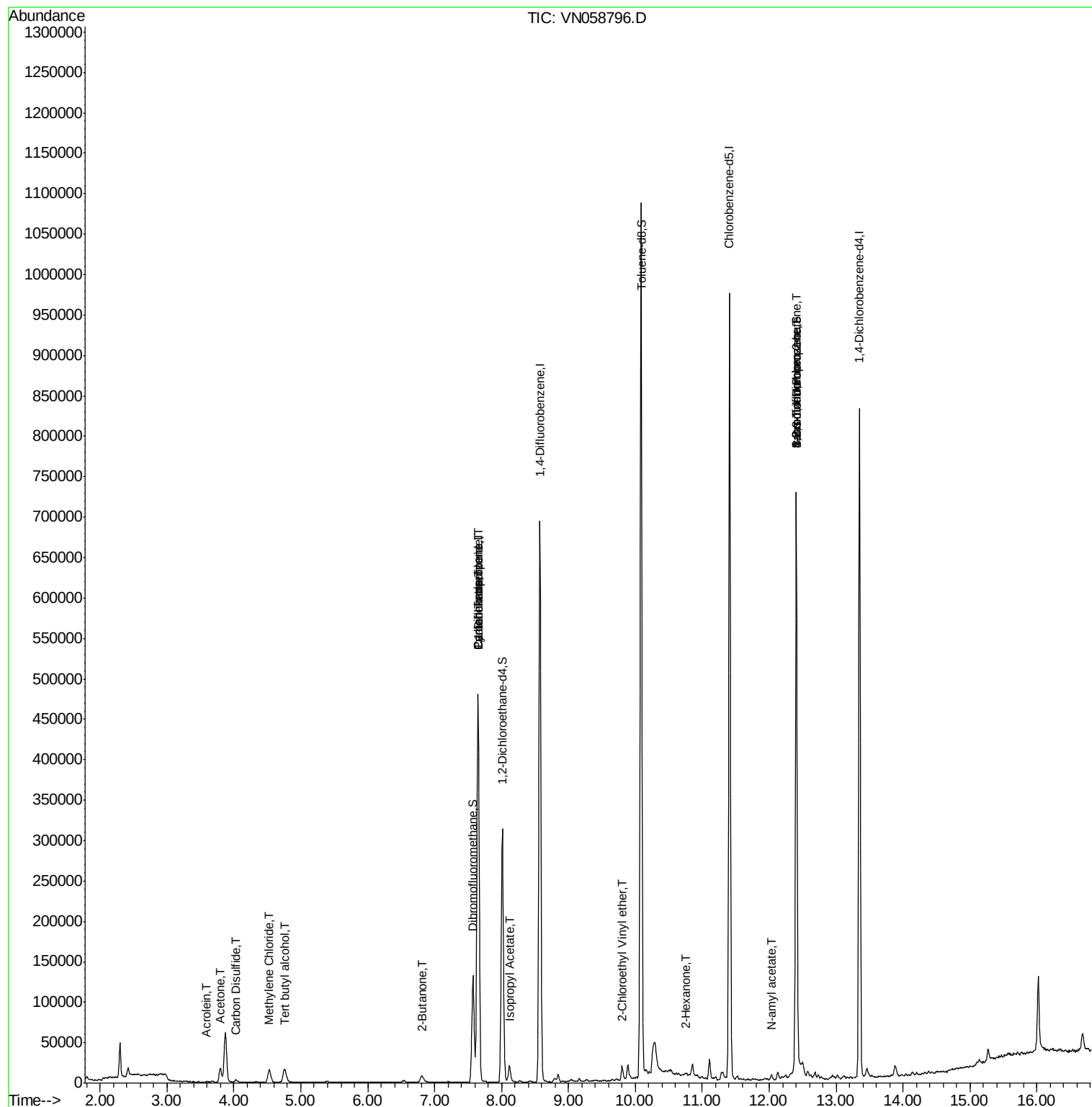
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	29323	34.111	ug/l #	87
13) Acrolein	3.59	56	145	0.210	ug/l	96
16) Acetone	3.80	43	31447	14.311	ug/l	97
17) Carbon Disulfide	4.03	76	3559	0.306	ug/l #	94
20) Methylene Chloride	4.53	84	11673	2.542	ug/l	88
25) 2-Butanone	6.82	43	2861	0.901	ug/l	90
31) Cyclohexane	7.65	56	8896	1.143	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	31490	5.233	ug/l #	51
38) Carbon Tetrachloride	7.65	117	37862	6.456	ug/l #	17
43) Isopropyl Acetate	8.11	43	5111	0.493	ug/l #	56
58) 2-Chloroethyl Vinyl ether	9.80	63	769	0.252	ug/l #	50
59) 2-Hexanone	10.75	43	2011	0.447	ug/l #	56
71) Bromoform	12.40	173	1609	0.549	ug/l #	1
74) N-amyl acetate	12.03	43	2574	0.382	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	129839	28.555	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	129839	76.491	ug/l #	11

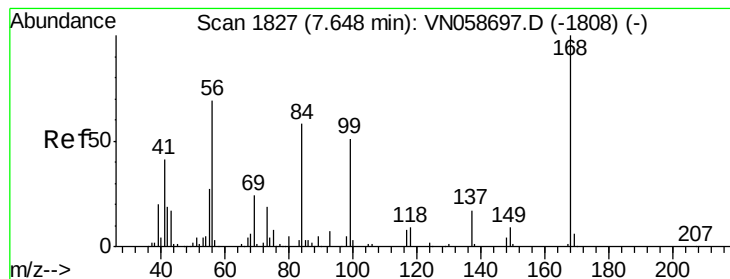
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058796.D

Acq: 16 Oct 2019 13:14

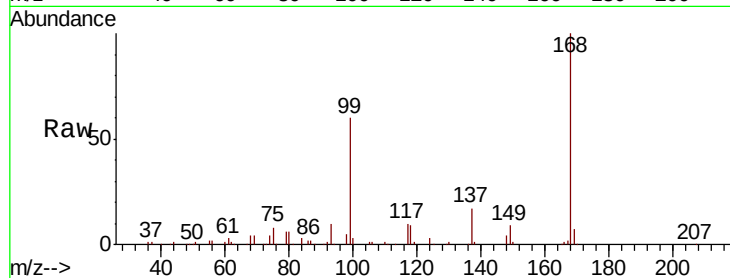
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 379145

Ion Ratio Lower Upper

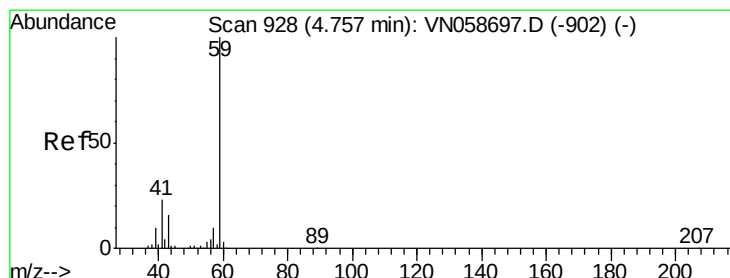
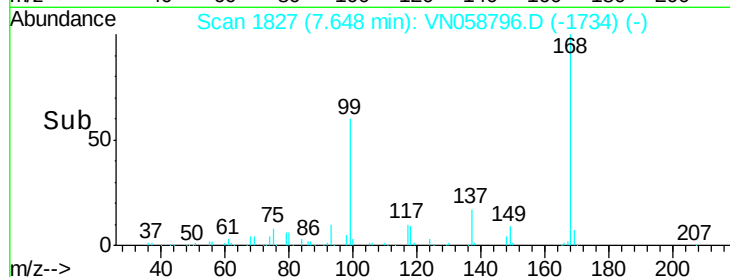
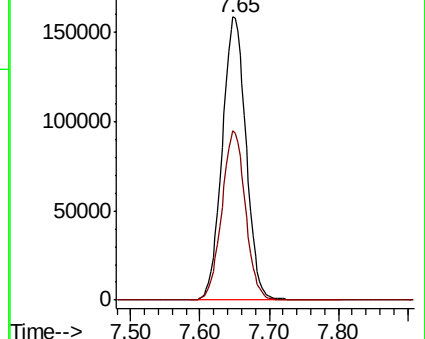
168 100

99 59.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 34.111 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN058796.D

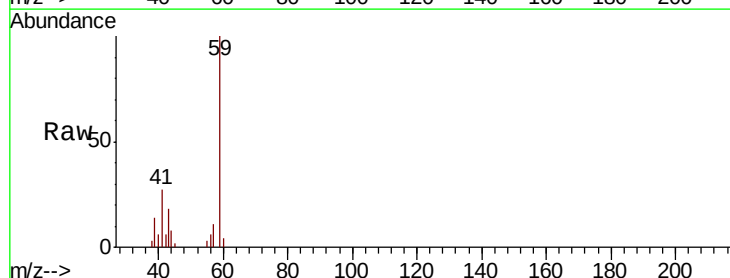
Acq: 16 Oct 2019 13:14

Tgt Ion: 59 Resp: 29323

Ion Ratio Lower Upper

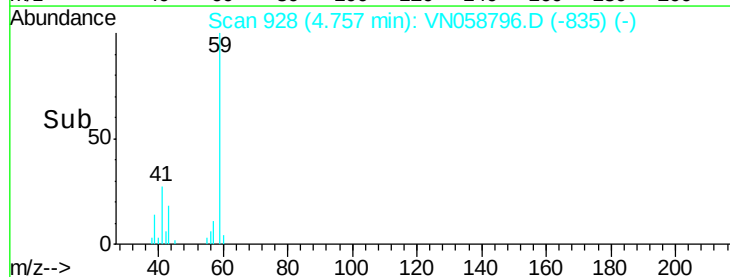
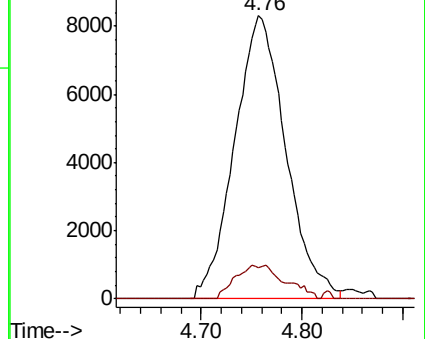
59 100

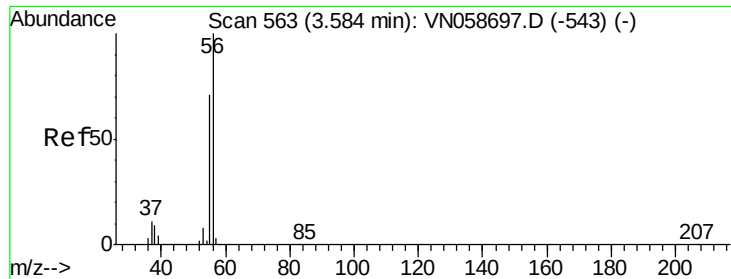
57 5.6 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#13

Acrolein

Concen: 0.210 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058796.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_N

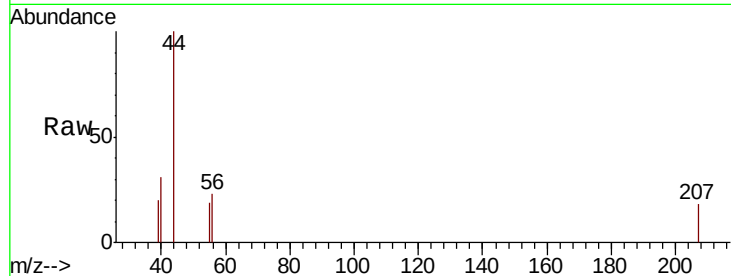
ClientSampleId :

Tot Ion: 56 Resp: 145

Ion Ratio Lower Upper

56 100

55 67.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

250

200

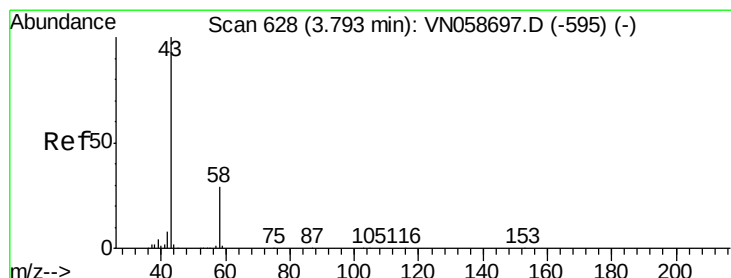
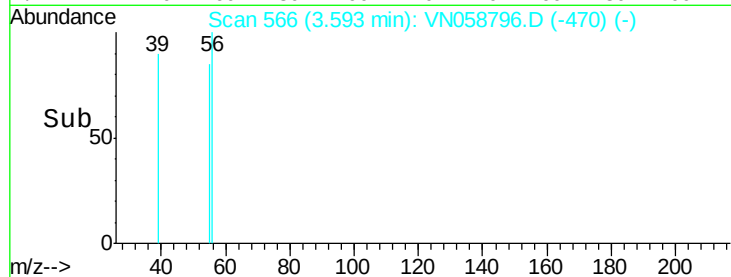
150

100

50

0

Time-->



#16

Acetone

Concen: 14.311 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058796.D

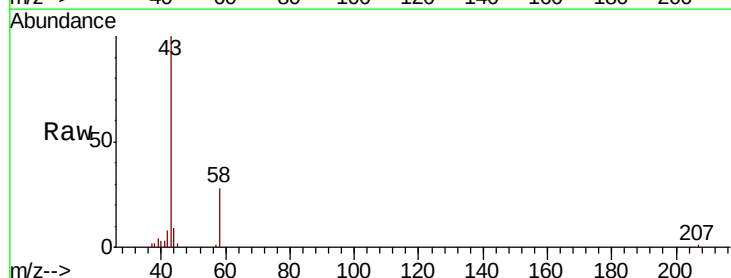
Acq: 16 Oct 2019 13:14

Tgt Ion: 43 Resp: 31447

Ion Ratio Lower Upper

43 100

58 27.6 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.80

12000

10000

8000

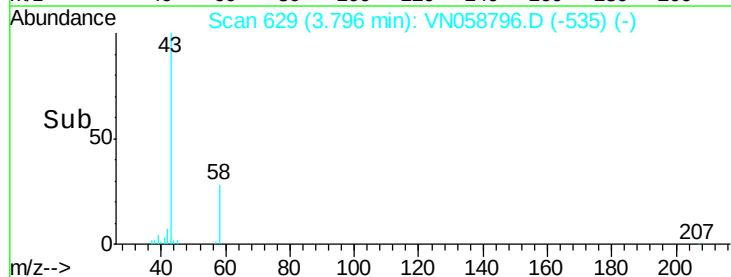
6000

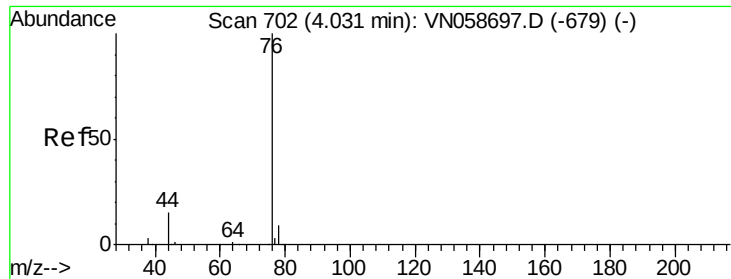
4000

2000

0

Time-->





#17

Carbon Disulfide

Concen: 0.306 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058796.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_N

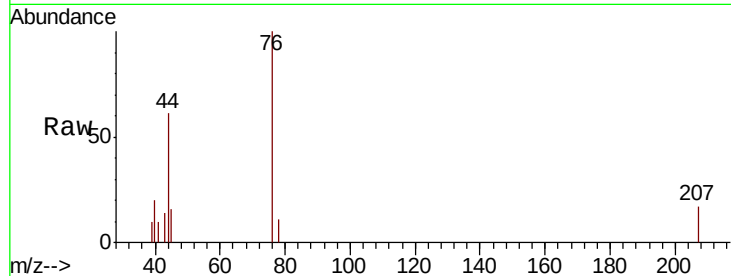
ClientSampleId :

Tot Ion: 76 Resp: 3559

Ion Ratio Lower Upper

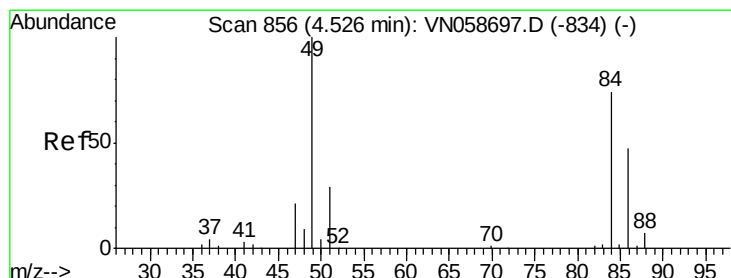
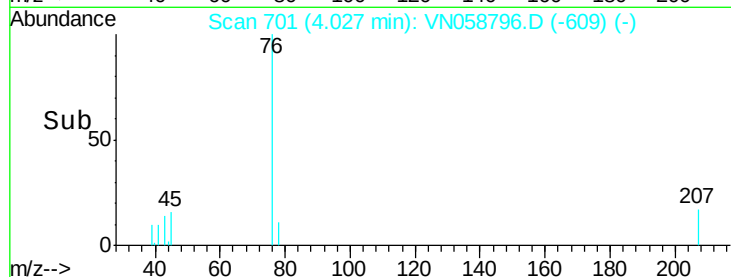
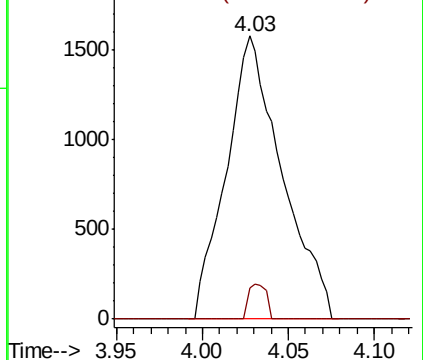
76 100

78 11.2 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#20

Methylene Chloride

Concen: 2.542 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.01 min

Lab File: VN058796.D

Acq: 16 Oct 2019 13:14

Tgt Ion: 84 Resp: 11673

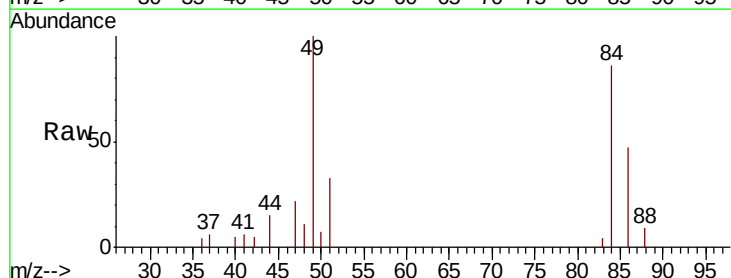
Ion Ratio Lower Upper

84 100

49 115.8 107.6 161.4

51 38.1 31.4 47.0

86 54.3 50.3 75.5

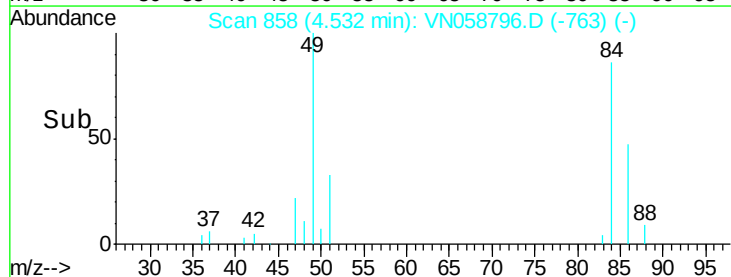
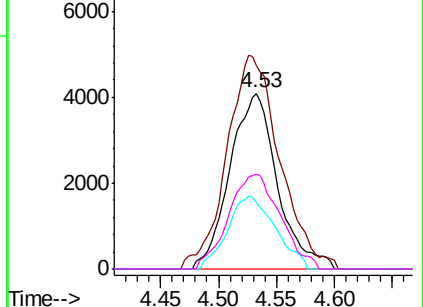


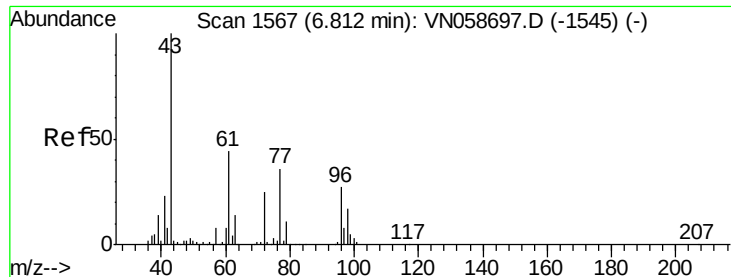
Abundance Ion 83.90 (83.60 to 84.60): VN0

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

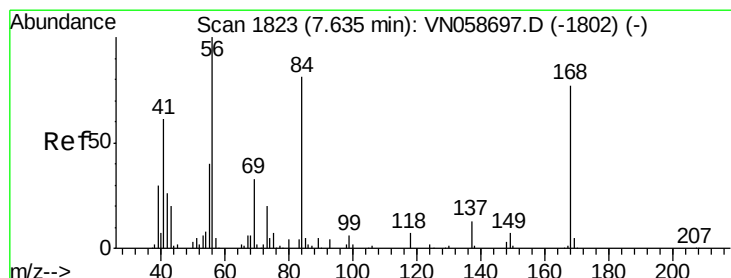
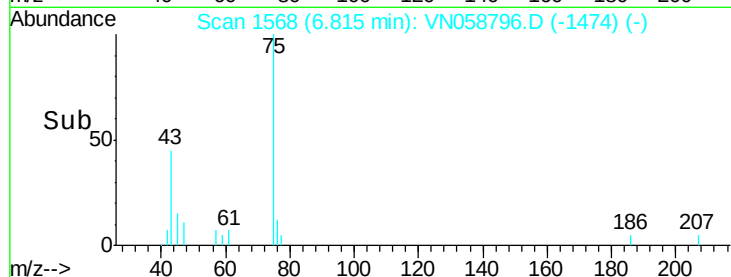
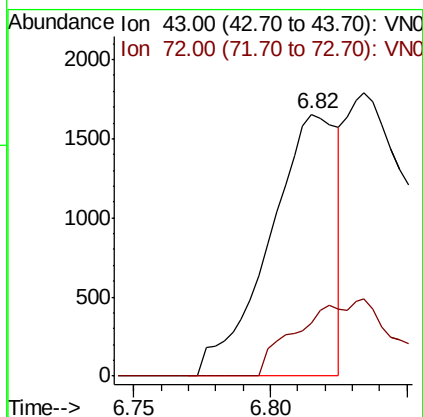
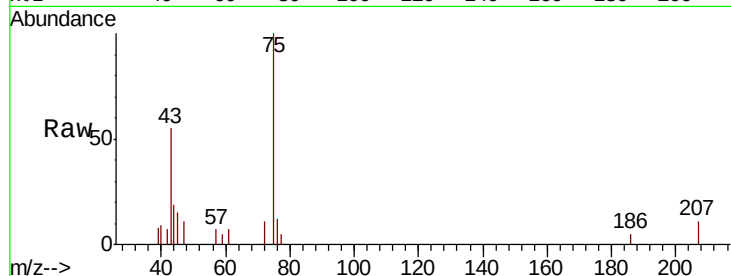




#25
2-Butanone
Concen: 0.901 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058796.D
Acq: 16 Oct 2019 13:14

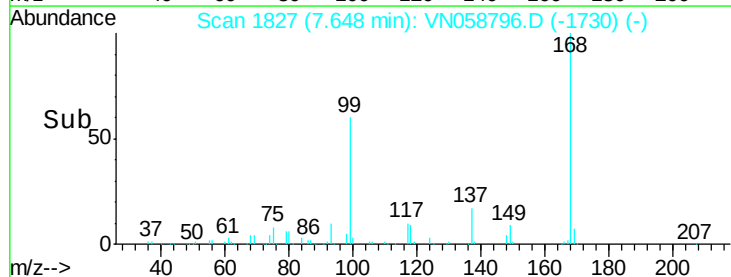
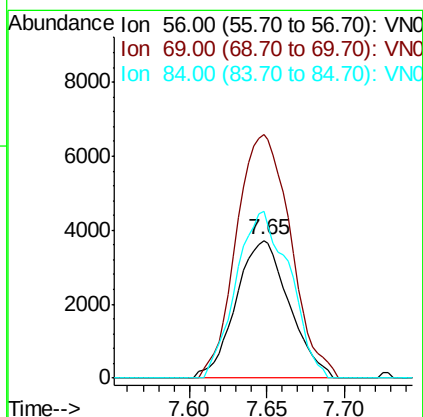
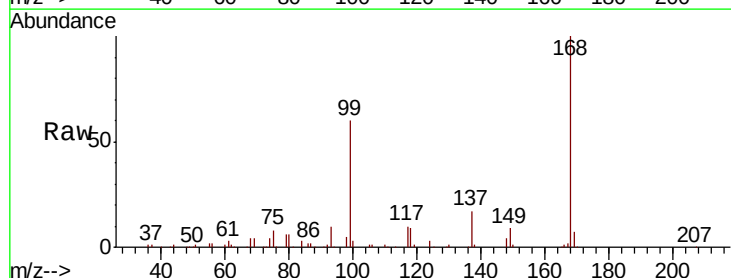
Instrument :
MSVOA_N
ClientSampleId :

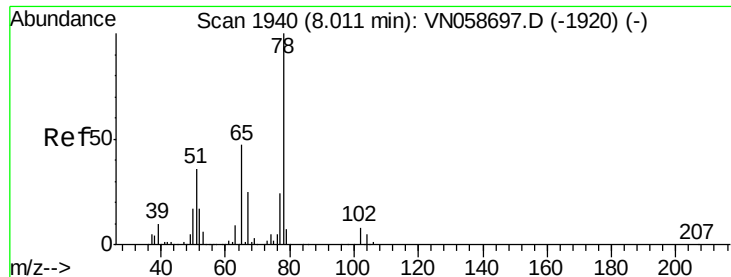
Tot Ion: 43 Resp: 2861
Ion Ratio Lower Upper
43 100
72 20.2 20.2 30.2



#31
Cyclohexane
Concen: 1.143 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058796.D
Acq: 16 Oct 2019 13:14

Tgt Ion: 56 Resp: 8896
Ion Ratio Lower Upper
56 100
69 176.7 26.2 39.4#
84 121.2 64.9 97.3#

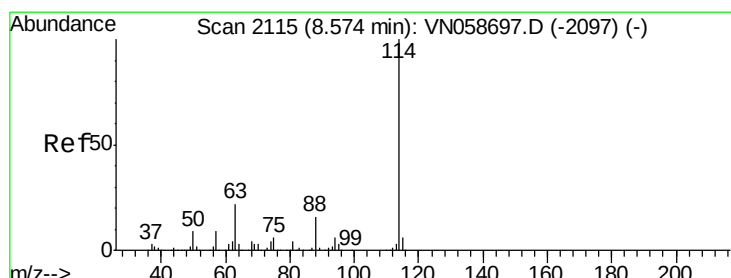
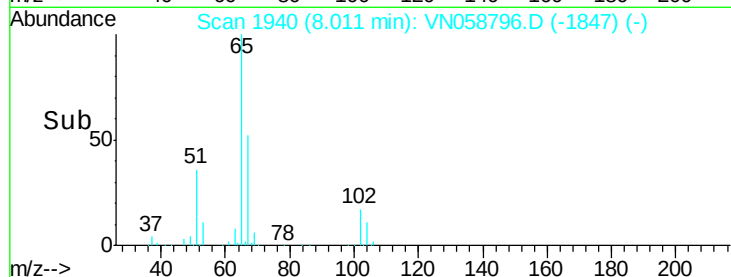
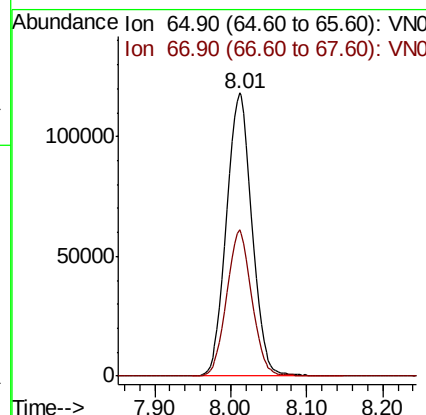
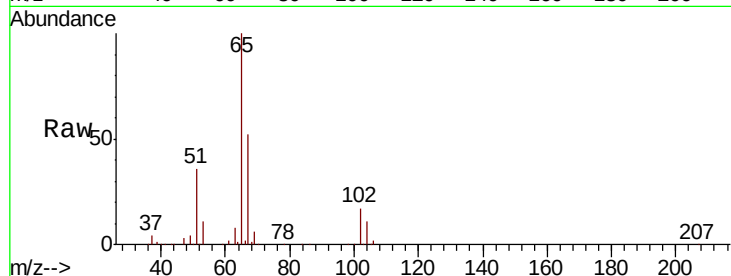




#33
 1,2-Dichloroethane-d4
 Concen: 52.254 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058796.D
 Acq: 16 Oct 2019 13:14

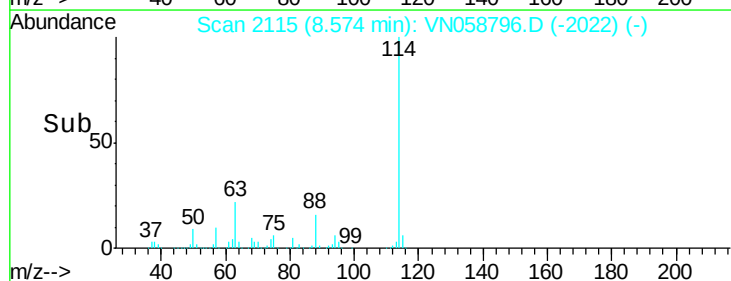
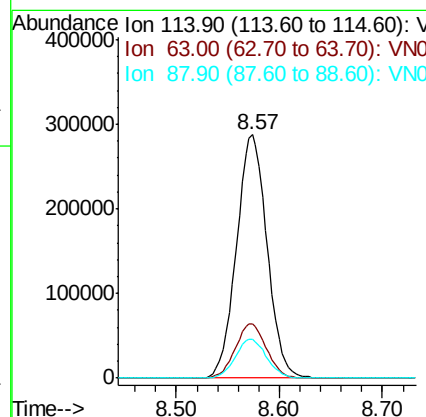
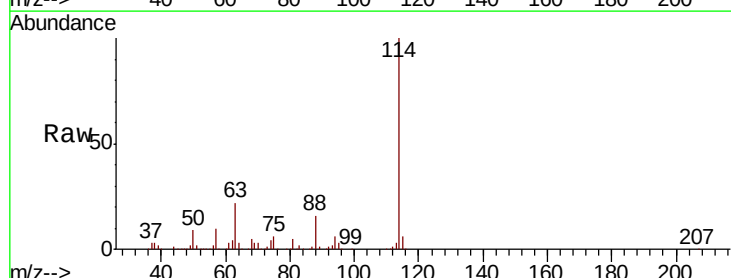
Instrument :
 MSVOA_N
 ClientSampled :

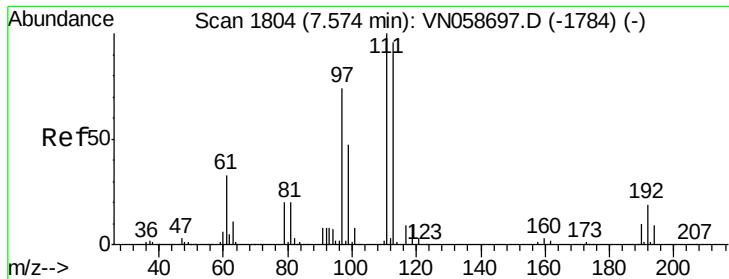
Tot Ion: 65 Resp: 277361
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058796.D
 Acq: 16 Oct 2019 13:14

Tgt Ion: 114 Resp: 595196
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 15.9 0.0 32.0

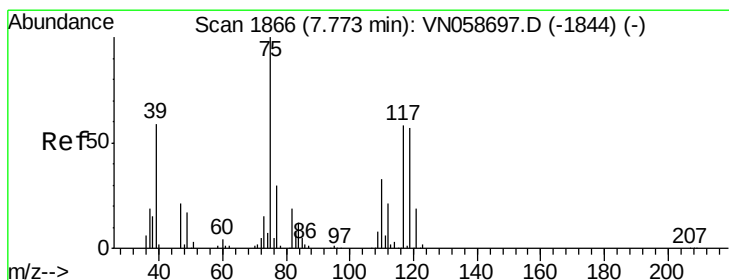
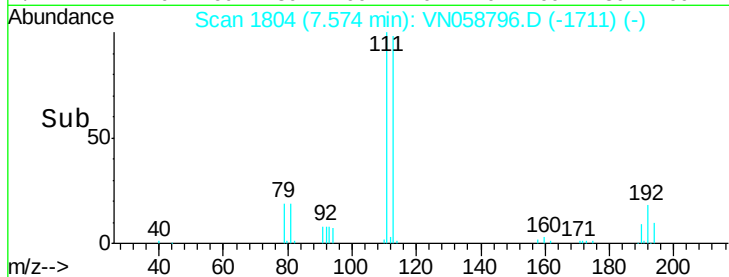
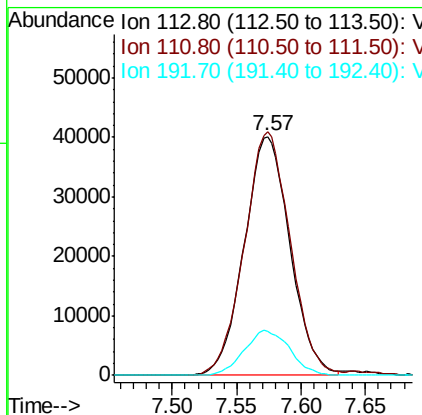
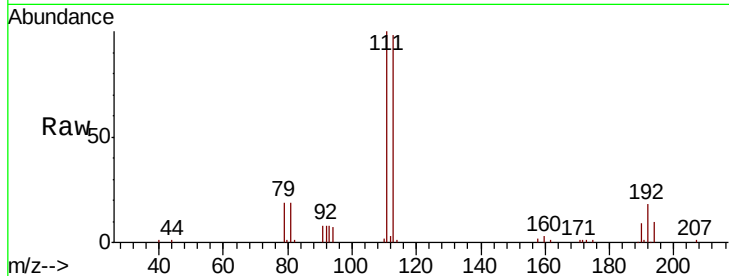




#35
 Dibromofluoromethane
 Concen: 26.963 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058796.D
 Acq: 16 Oct 2019 13:14

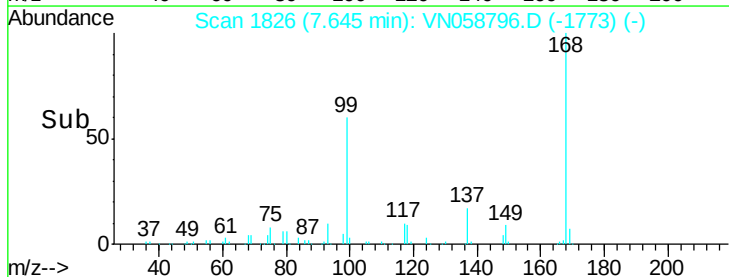
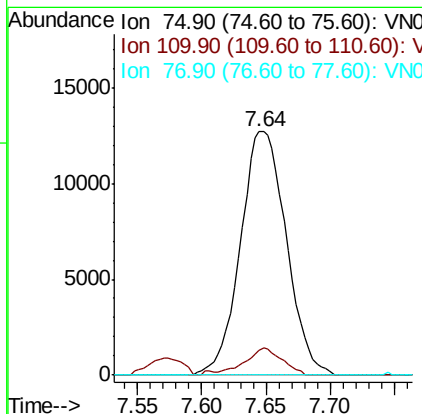
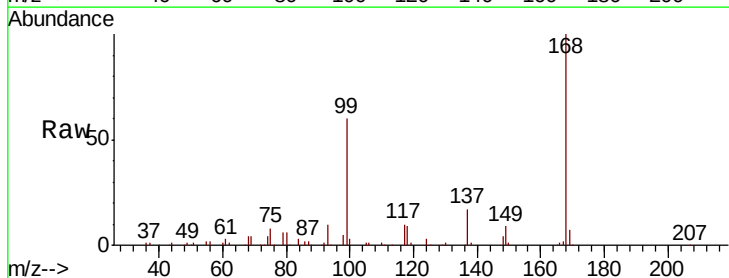
Instrument :
 MSVOA_N
 ClientSampleId :

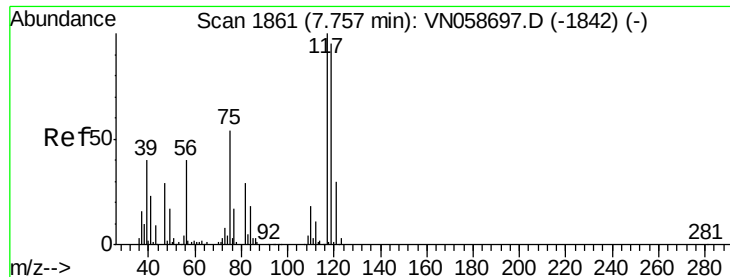
Tot Ion:113 Resp: 99128
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.3 123.5
 192 18.7 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 5.233 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058796.D
 Acq: 16 Oct 2019 13:14

Tgt Ion: 75 Resp: 31490
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.6 49.8#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.456 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058796.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

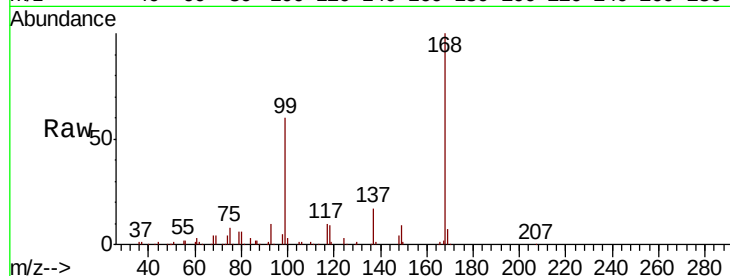
Tot Ion:117 Resp: 37862

Ion Ratio Lower Upper

117 100

119 5.3 75.7 113.5#

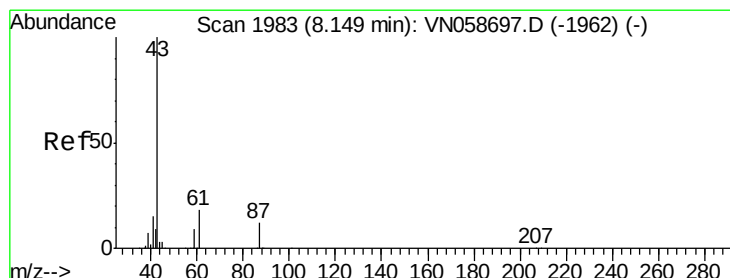
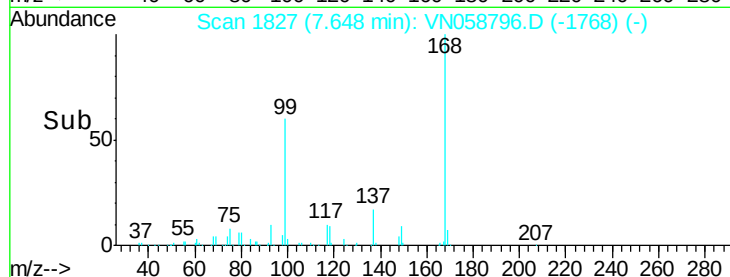
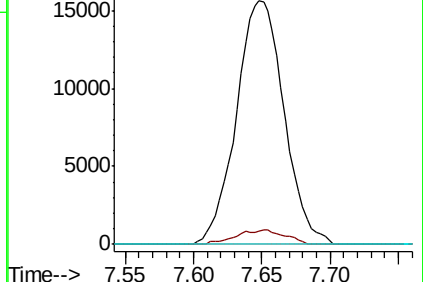
121 0.0 23.9 35.9#



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



#43

Isopropyl Acetate

Concen: 0.493 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. -0.04 min

Lab File: VN058796.D

Acq: 16 Oct 2019 13:14

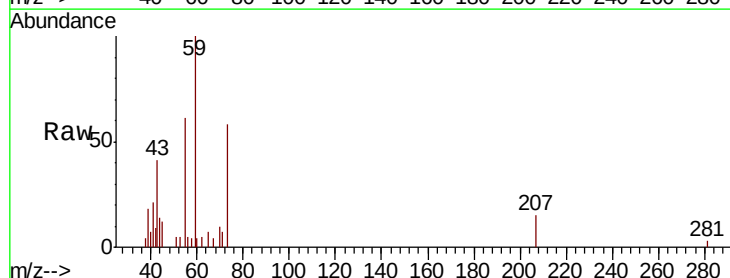
Tgt Ion: 43 Resp: 5111

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

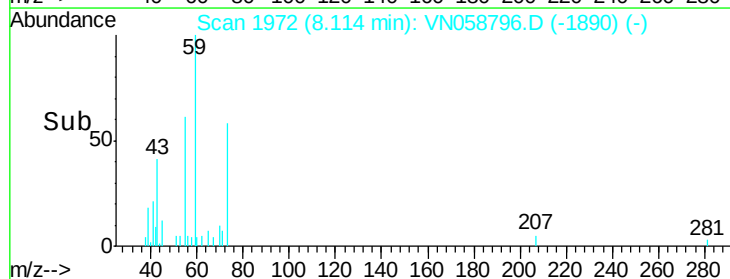
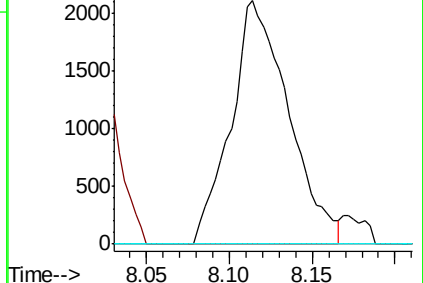
87 0.0 9.8 14.6#

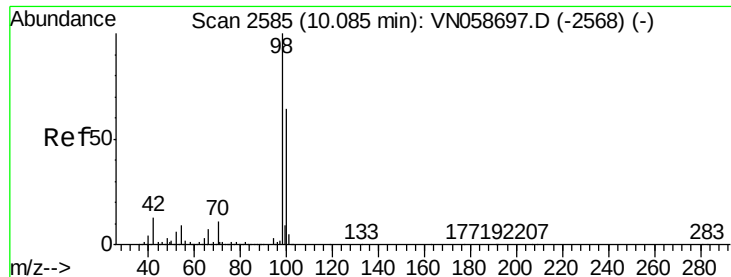


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 50.089 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058796.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_N

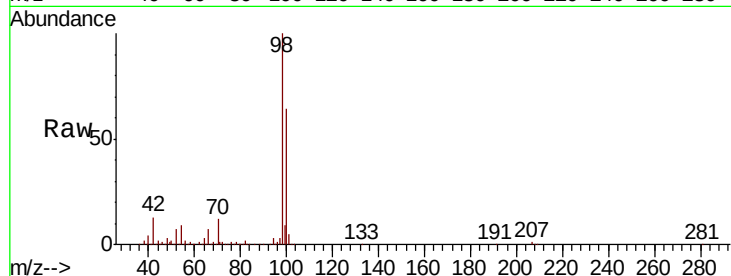
ClientSampleId :

Tot Ion: 98 Resp: 736377

Ion Ratio Lower Upper

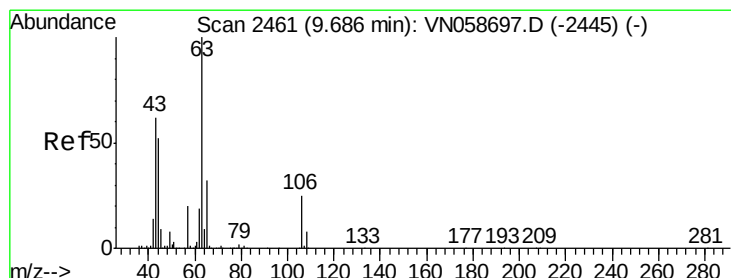
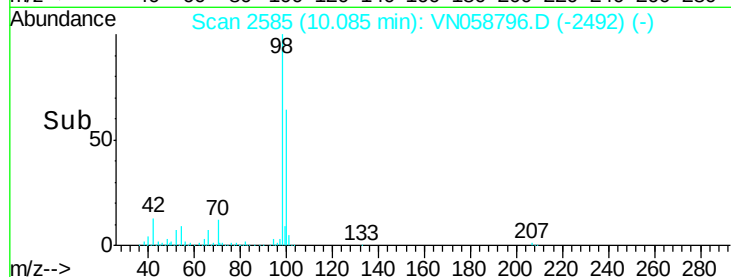
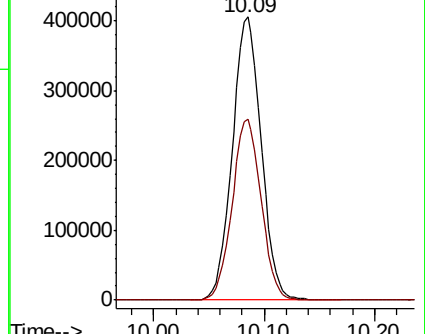
98 100

100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#58

2-Chloroethyl Vinyl ether

Concen: 0.252 ug/l

RT: 9.80 min Scan# 2495

Delta R.T. 0.11 min

Lab File: VN058796.D

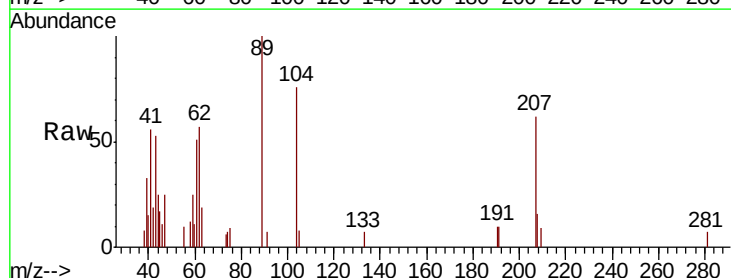
Acq: 16 Oct 2019 13:14

Tgt Ion: 63 Resp: 769

Ion Ratio Lower Upper

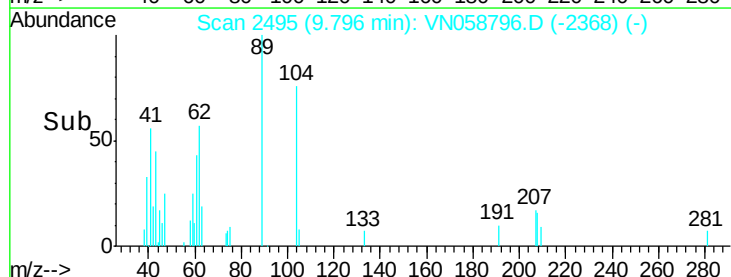
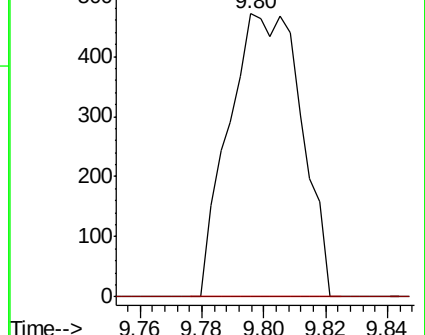
63 100

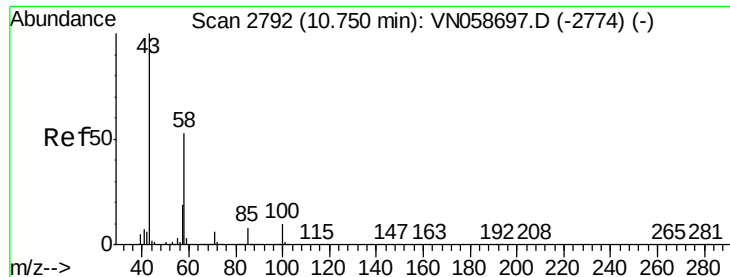
106 0.0 20.0 30.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

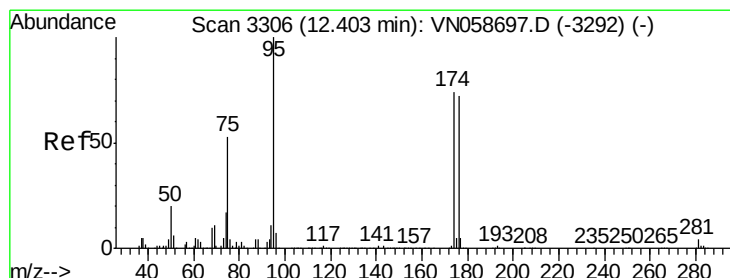
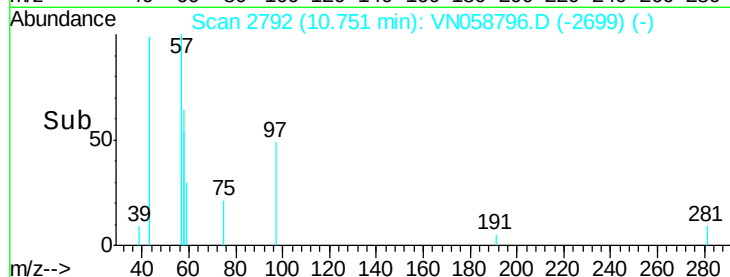
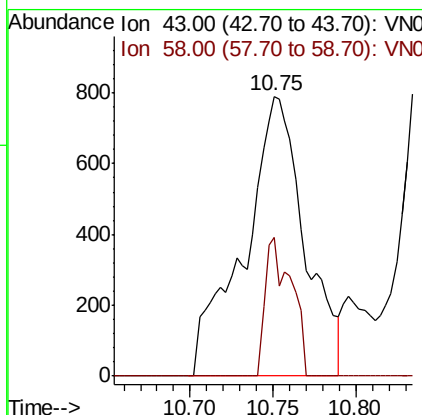
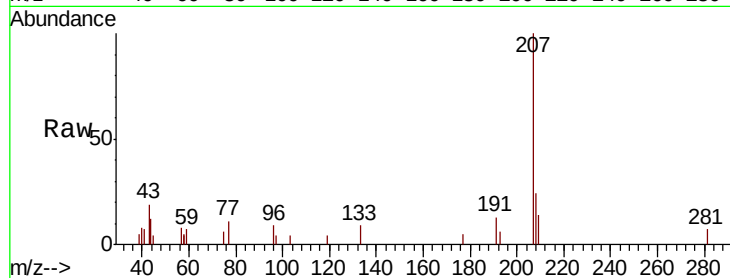




#59
2-Hexanone
Concen: 0.447 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058796.D
Acq: 16 Oct 2019 13:14

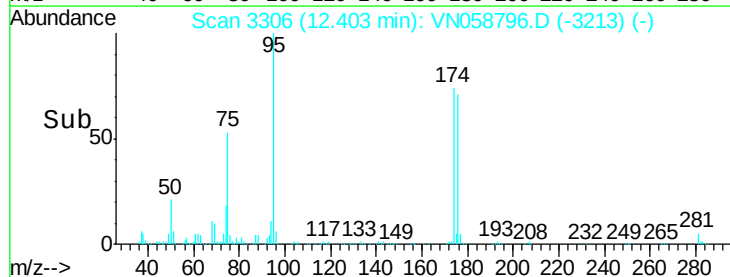
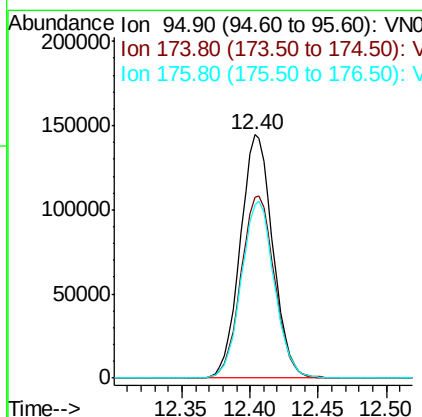
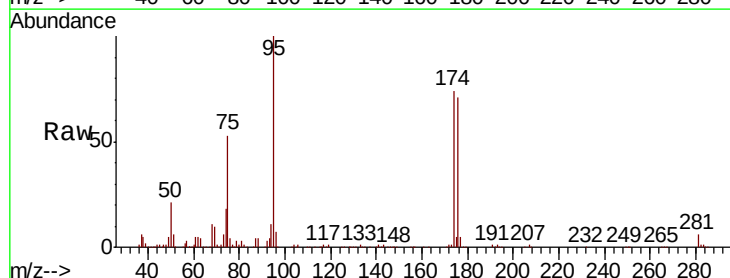
Instrument :
MSVOA_N
ClientSampled :

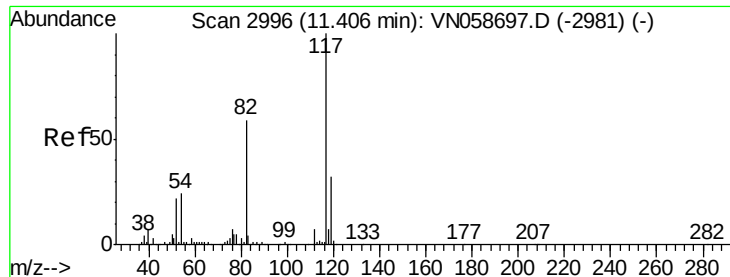
Tot Ion: 43 Resp: 2011
Ion Ratio Lower Upper
43 100
58 21.2 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 43.106 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058796.D
Acq: 16 Oct 2019 13:14

Tgt Ion: 95 Resp: 239881
Ion Ratio Lower Upper
95 100
174 77.3 0.0 150.4
176 73.8 0.0 146.8

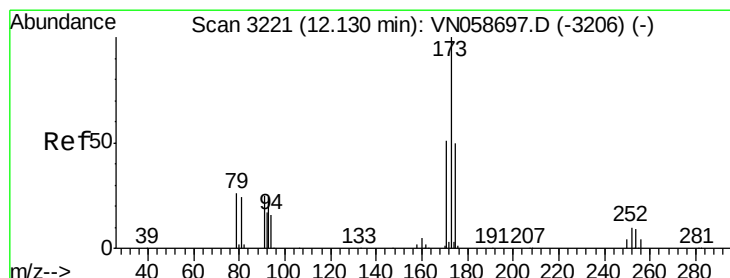
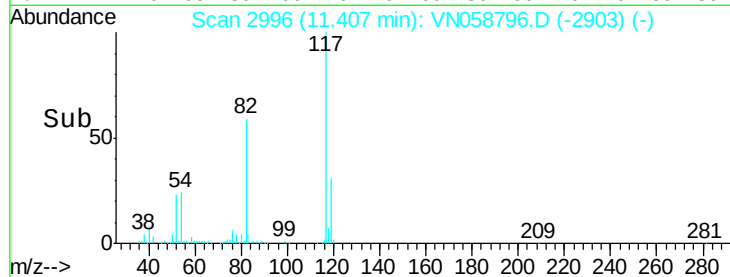
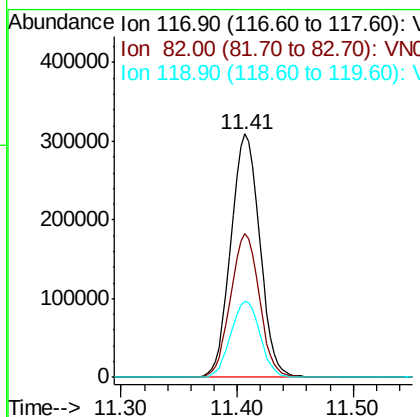
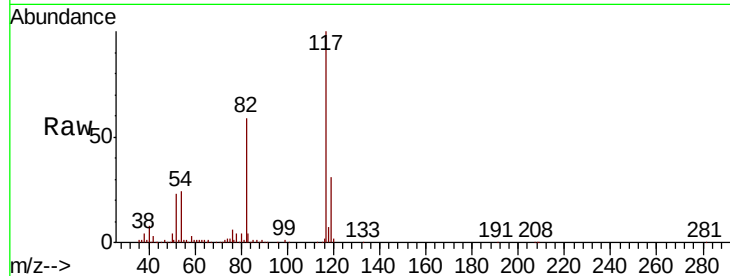




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058796.D
Acq: 16 Oct 2019 13:14

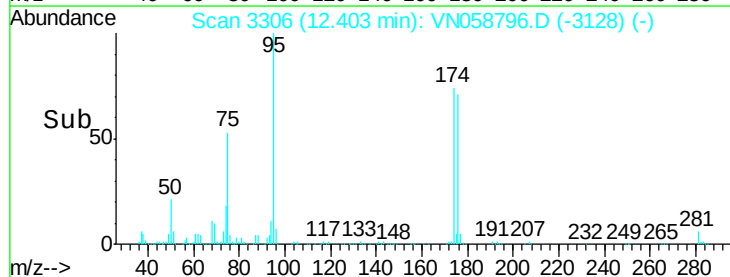
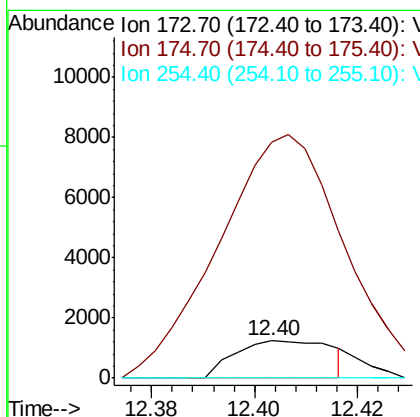
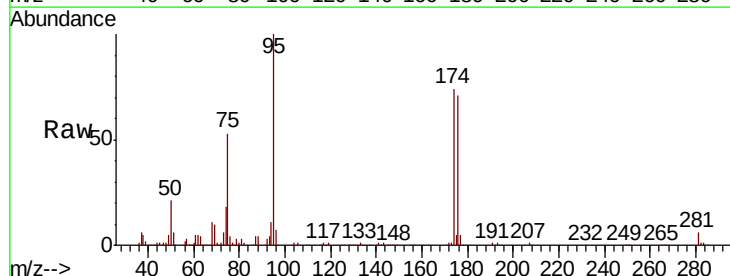
Instrument :
MSVOA_N
ClientSampleId :

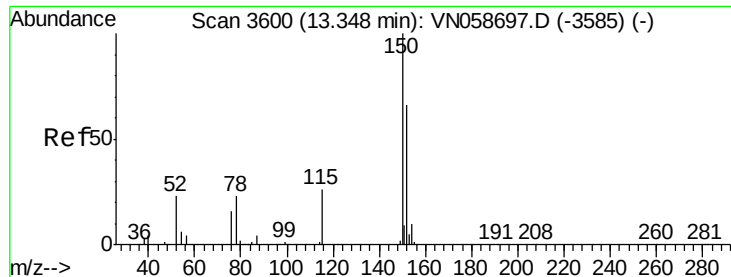
Tot Ion:117 Resp: 532035
Ion Ratio Lower Upper
117 100
82 58.9 47.0 70.4
119 31.3 25.4 38.2



#71
Bromoform
Concen: 0.549 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN058796.D
Acq: 16 Oct 2019 13:14

Tgt Ion:173 Resp: 1609
Ion Ratio Lower Upper
173 100
175 739.2 24.6 73.8#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058796.D

Acq: 16 Oct 2019 13:14

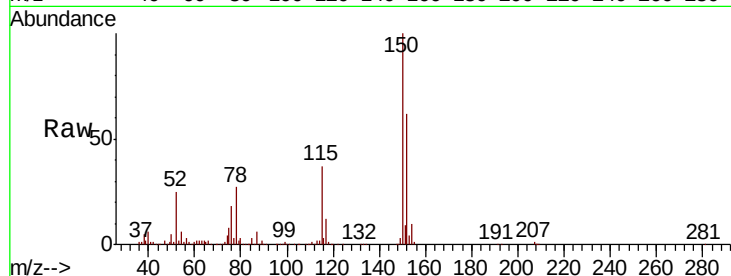
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:152 Resp: 207267

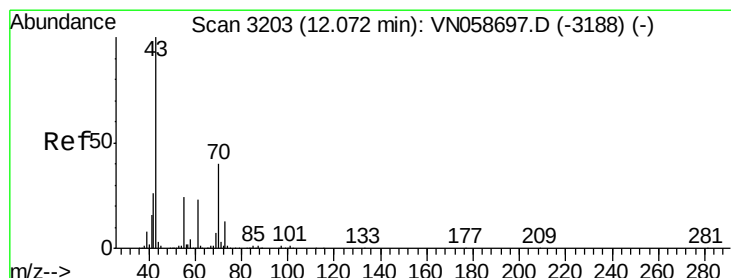
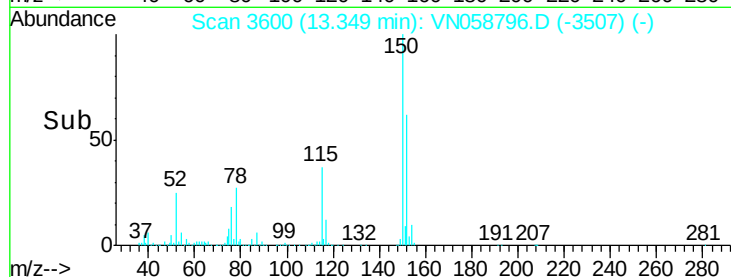
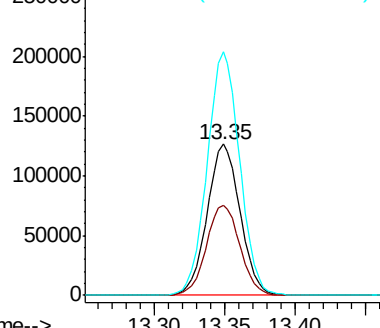
Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.4	91.2
150	159.2	0.0	345.4



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



#74

N-ethyl acetate

Concen: 0.382 ug/l

RT: 12.03 min Scan# 3191

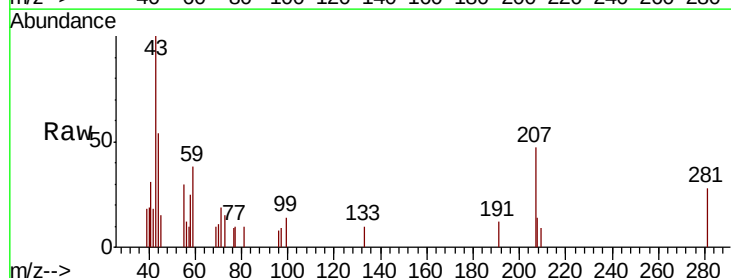
Delta R.T. -0.04 min

Lab File: VN058796.D

Acq: 16 Oct 2019 13:14

Tgt Ion: 43 Resp: 2574

Ion	Ratio	Lower	Upper
43	100		
70	3.9	32.2	48.4#
55	42.0	19.6	29.4#
61	0.0	18.6	28.0#

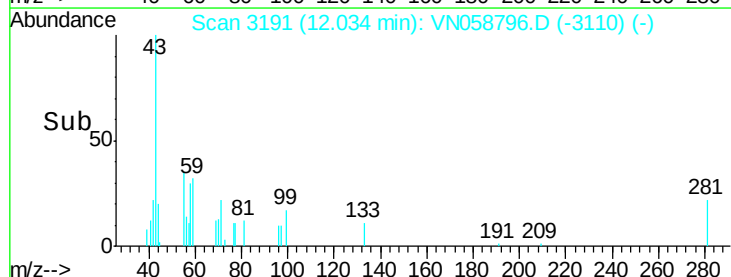
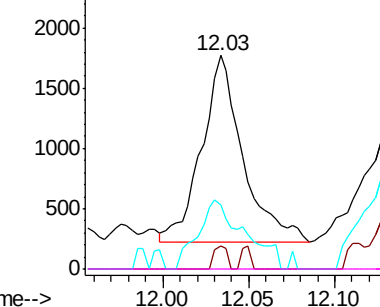


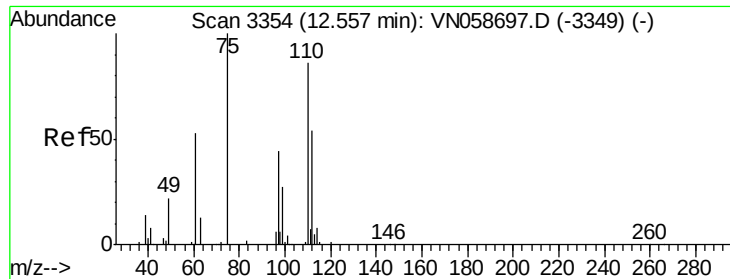
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

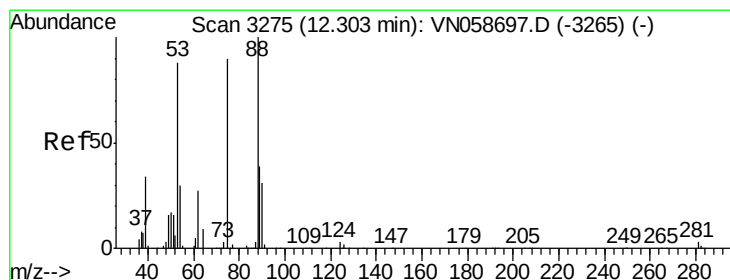
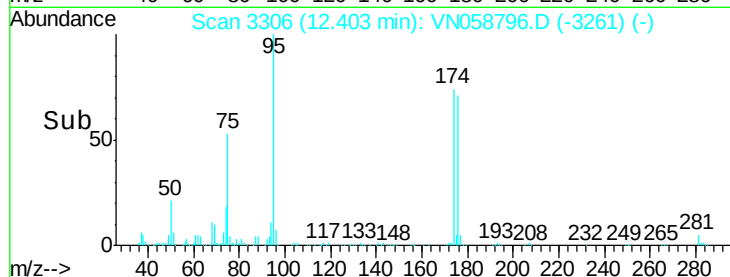
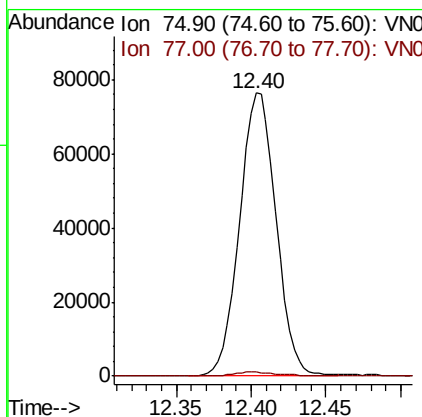
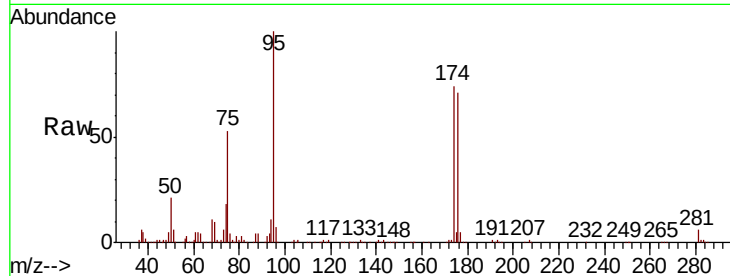




#76
 1,2,3-Trichloropropane
 Concen: 28.555 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN058796.D
 Acq: 16 Oct 2019 13:14

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 129839
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.491 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN058796.D
 Acq: 16 Oct 2019 13:14

Tgt Ion: 75 Resp: 129839
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.4 117.6#
 89 0.0 34.9 52.3#

