

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
 Data File : VN059786.D
 Acq On : 20 Jan 2020 14:57
 Operator : JC/MD
 Sample : L1166-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 21 01:18:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	297990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	262814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110210	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	104083	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
35) Dibromofluoromethane	7.56	113	89789	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
50) Toluene-d8	10.08	98	345935	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	116987	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	

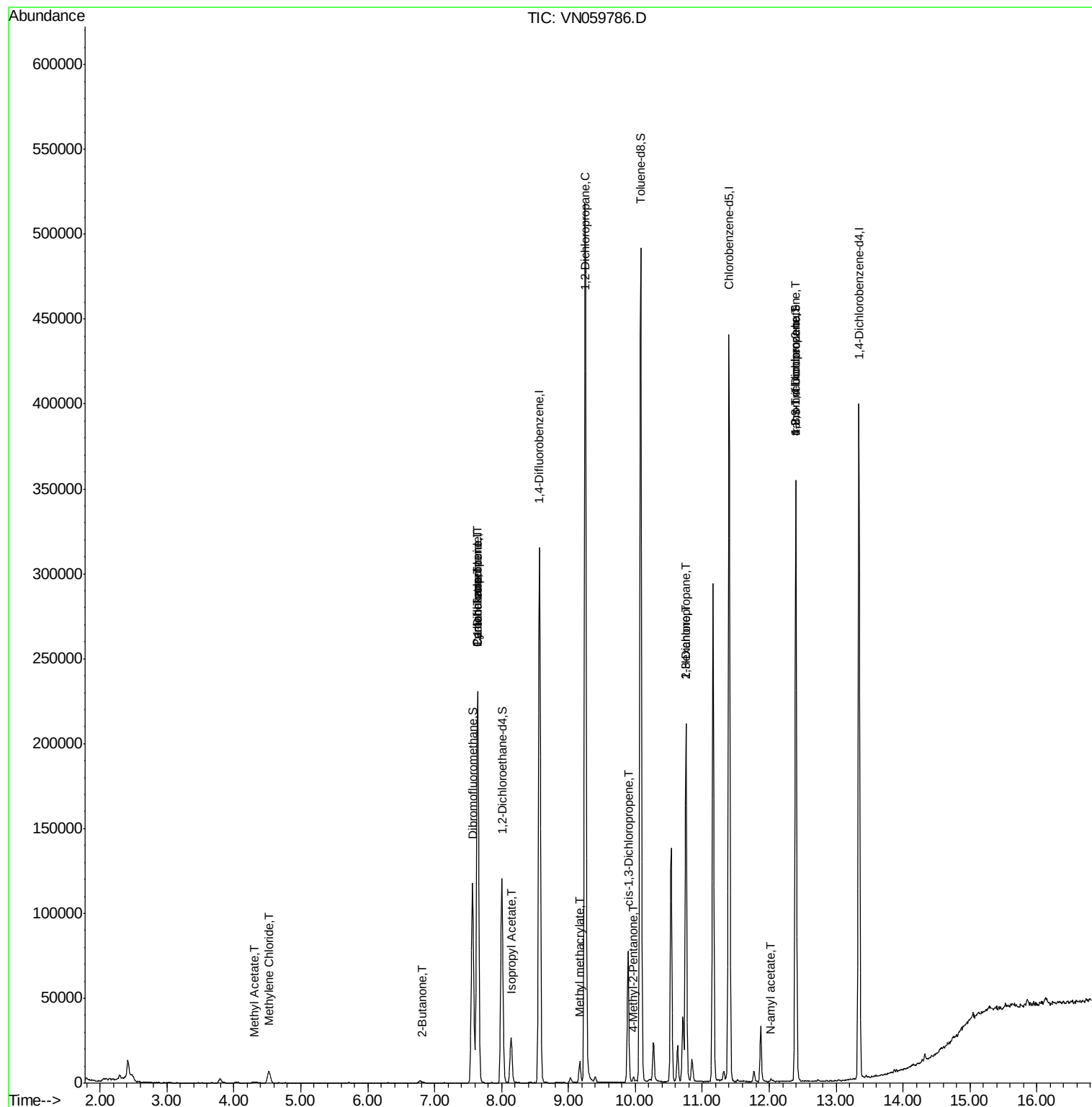
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	4892	Below Cal		98
18) Methyl Acetate	4.31	43	1581	0.609	ug/l #	66
20) Methylene Chloride	4.53	84	6086	1.777	ug/l #	86
25) 2-Butanone	6.81	43	318	0.253	ug/l #	50
31) Cyclohexane	7.64	56	3781	1.149	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13268	5.113	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18449	6.536	ug/l #	16
43) Isopropyl Acetate	8.14	43	31928	7.627	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	565	0.295	ug/l #	44
48) Methyl methacrylate	9.17	41	1744	0.931	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	1696	0.701	ug/l	95
54) cis-1,3-Dichloropropene	9.89	75	14765	4.616	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	2277	0.741	ug/l #	42
59) 2-Hexanone	10.75	43	30318	17.005	ug/l #	54
74) N-amyl acetate	12.03	43	1912	0.610	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	57922	31.229	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	57922	67.065	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.28	75	59	Below Cal	#	6

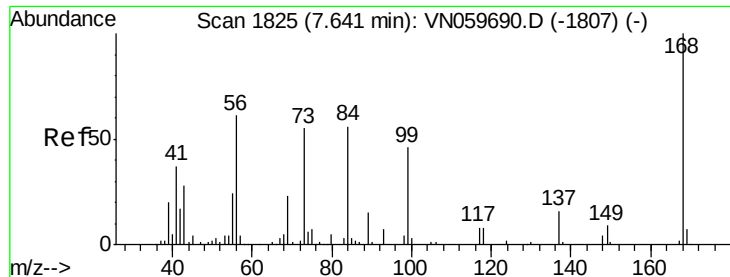
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059786.D

Acq: 20 Jan 2020 14:57

Instrument :

MSVOA_N

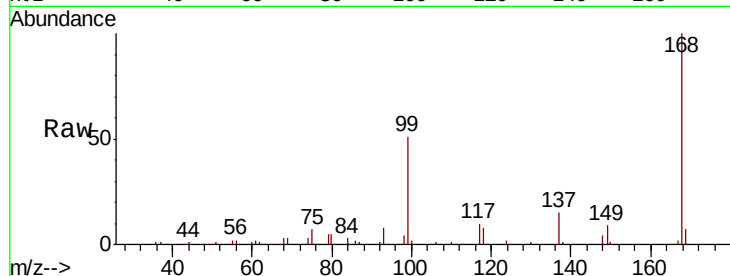
ClientSampleId :

Tot Ion:168 Resp: 200222

Ion Ratio Lower Upper

168 100

99 50.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059690.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059690.D (-1807) (-)

7.64

80000

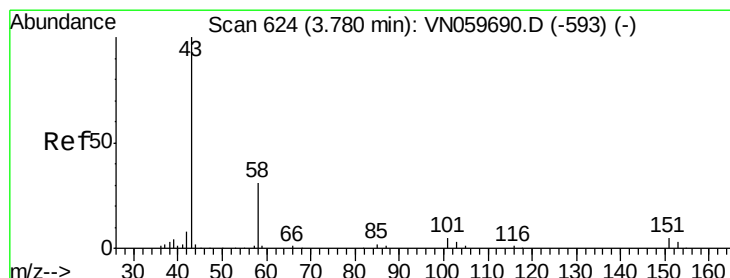
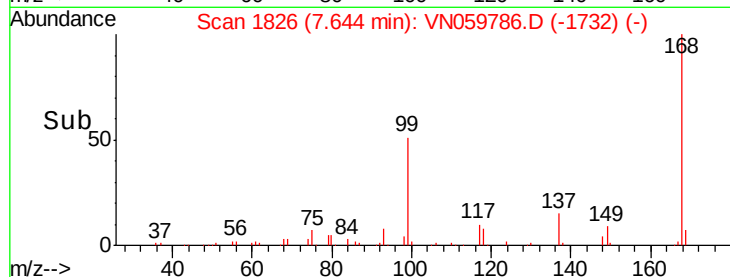
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059786.D

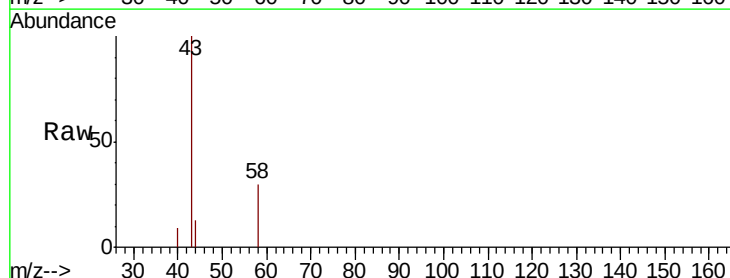
Acq: 20 Jan 2020 14:57

Tgt Ion: 43 Resp: 4892

Ion Ratio Lower Upper

43 100

58 30.5 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-593) (-)

3.79

2000

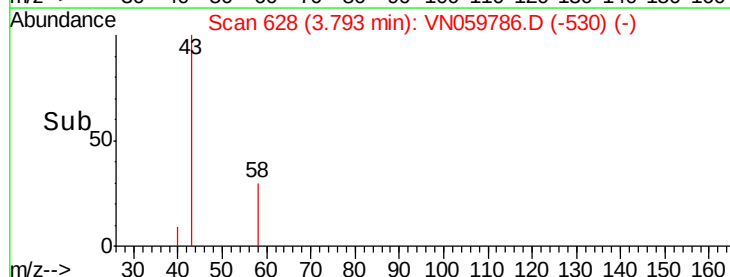
1500

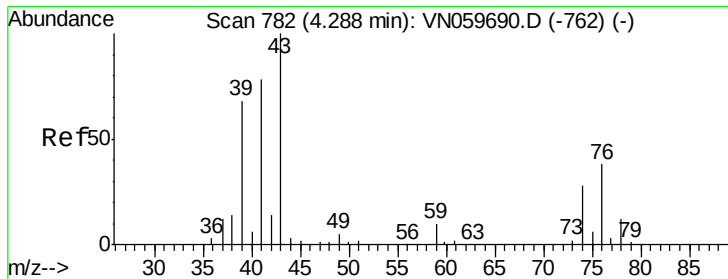
1000

500

0

Time--> 3.70 3.75 3.80 3.85 3.90

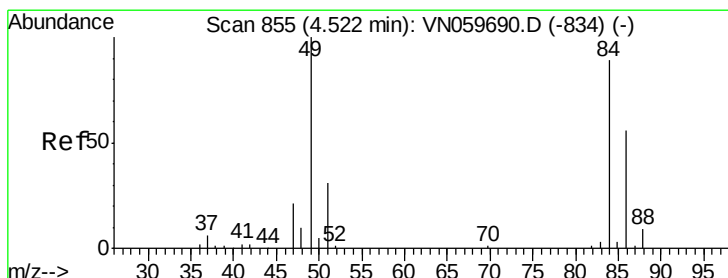
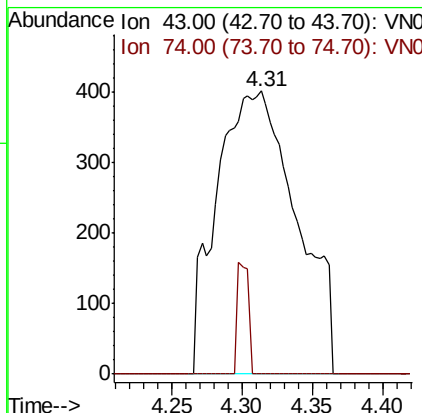
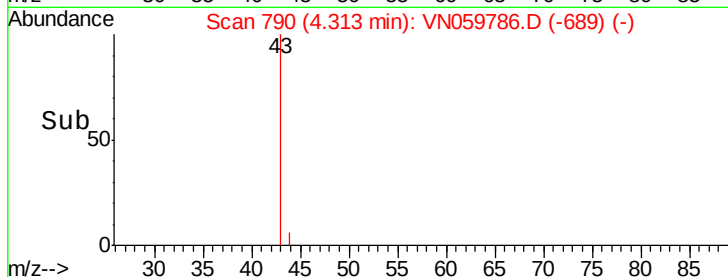
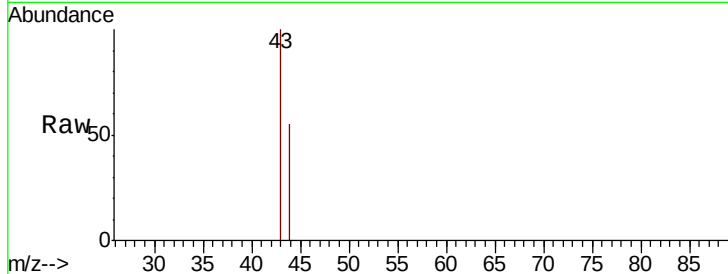




#18
Methvl Acetate
Concen: 0.609 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.03 min
Lab File: VN059786.D
Acq: 20 Jan 2020 14:57

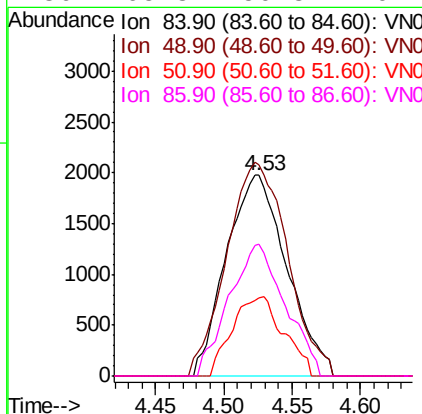
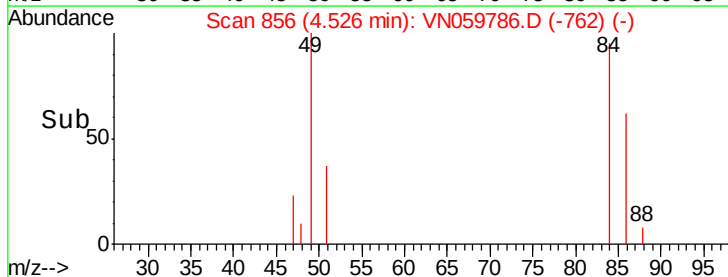
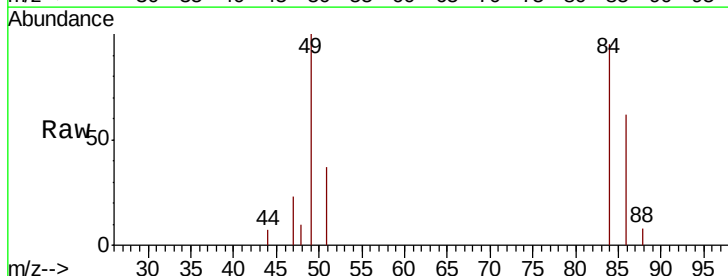
Instrument :
MSVOA_N
ClientSampled :

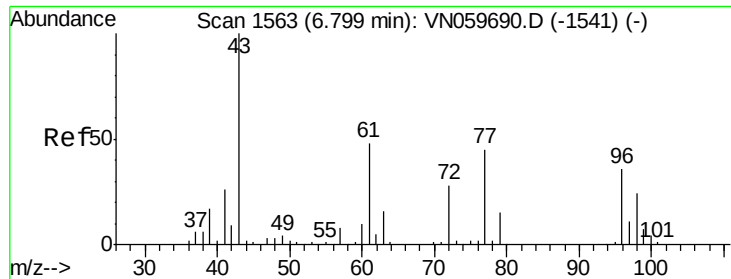
Tot Ion: 43 Resp: 1581
Ion Ratio Lower Upper
43 100
74 5.6 17.5 26.3#



#20
Methylene Chloride
Concen: 1.777 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059786.D
Acq: 20 Jan 2020 14:57

Tgt Ion: 84 Resp: 6086
Ion Ratio Lower Upper
84 100
49 105.4 106.6 160.0#
51 38.9 31.9 47.9
86 65.8 50.8 76.2

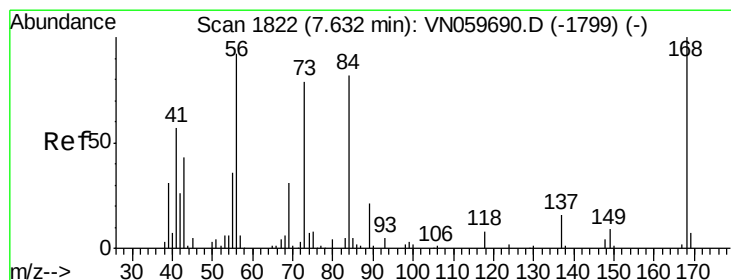
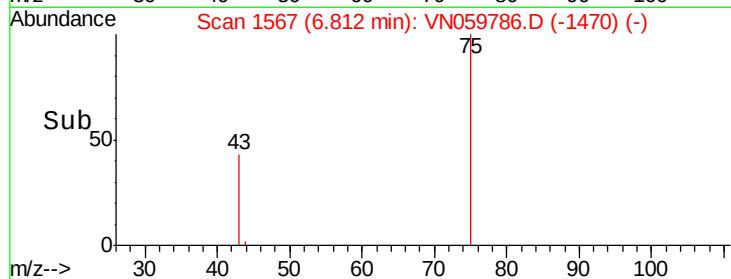
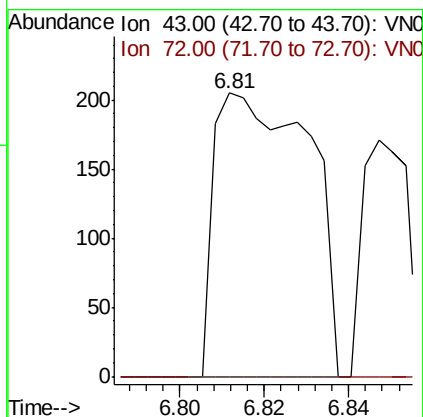
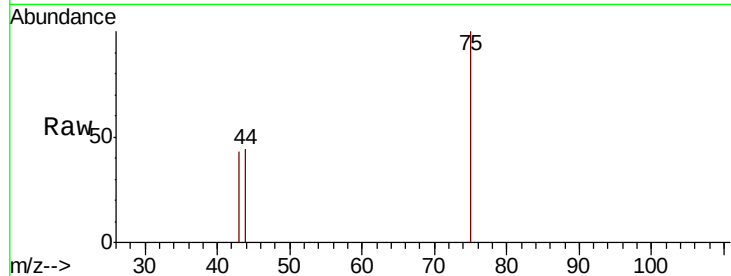




#25
2-Butanone
Concen: 0.253 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN059786.D
Acq: 20 Jan 2020 14:57

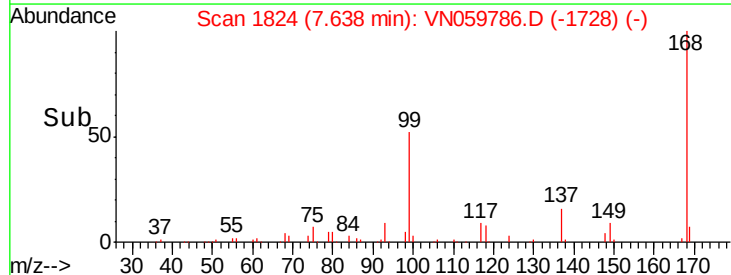
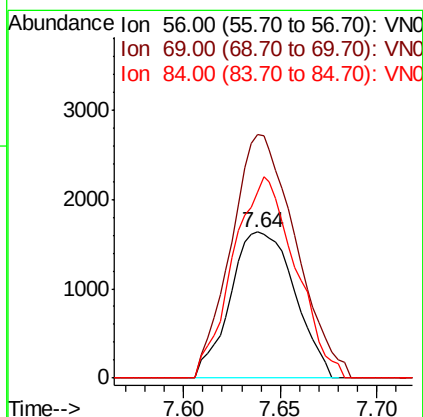
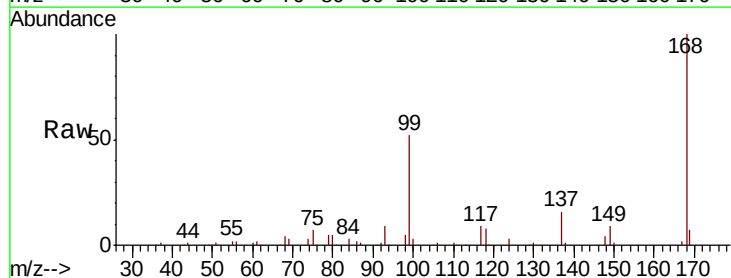
Instrument :
MSVOA_N
ClientSampled :

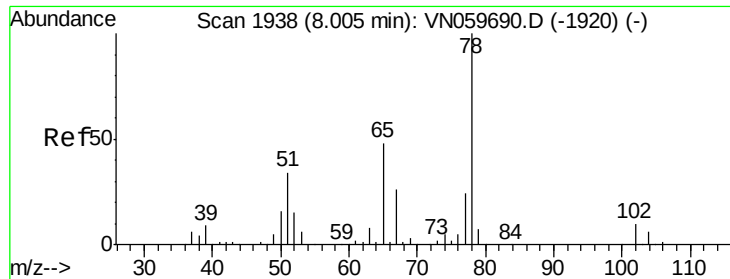
Tot Ion: 43 Resp: 318
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059786.D
Acq: 20 Jan 2020 14:57

Tgt Ion: 56 Resp: 3781
Ion Ratio Lower Upper
56 100
69 166.7 26.5 39.7#
84 127.6 65.3 97.9#

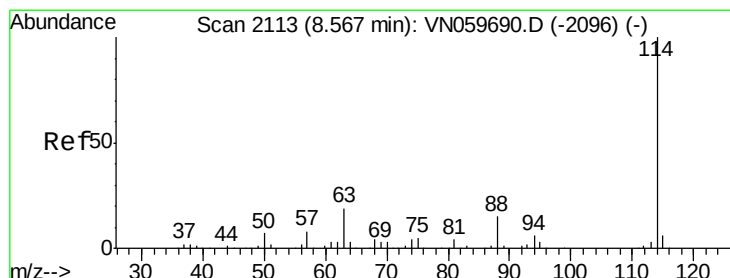
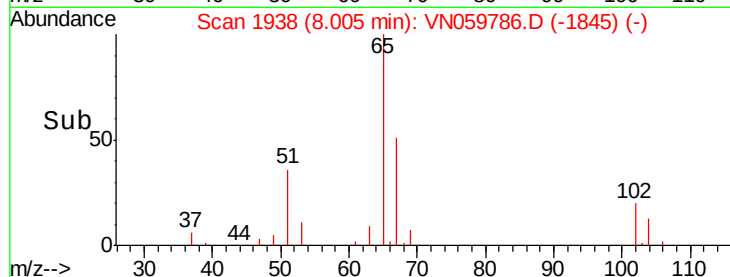
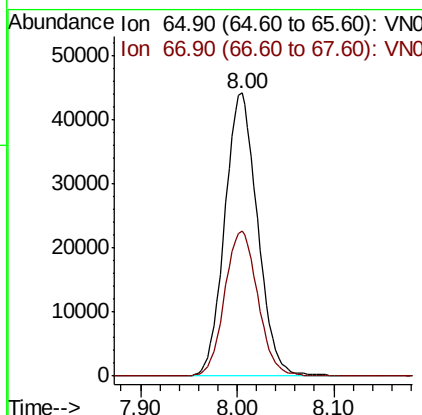
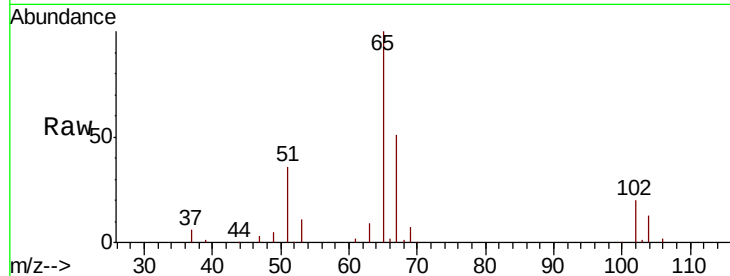




#33
 1,2-Dichloroethane-d4
 Concen: 46.810 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059786.D
 Acq: 20 Jan 2020 14:57

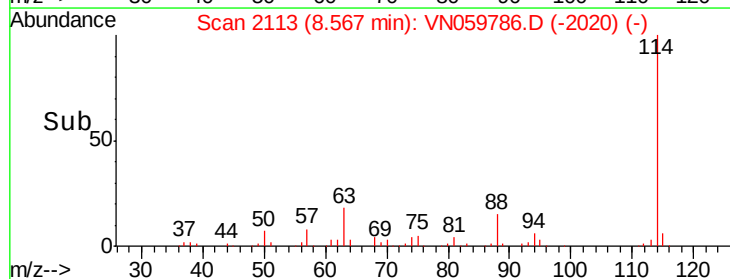
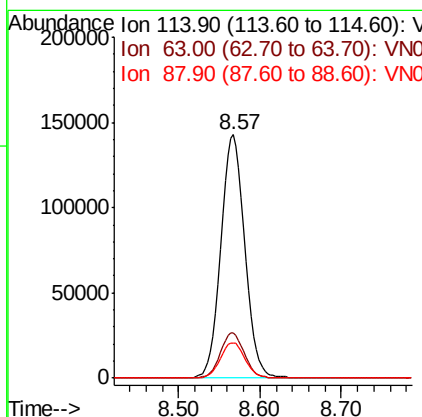
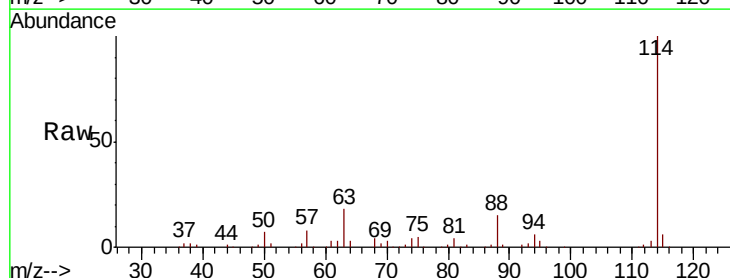
Instrument :
 MSVOA_N
 ClientSampled :

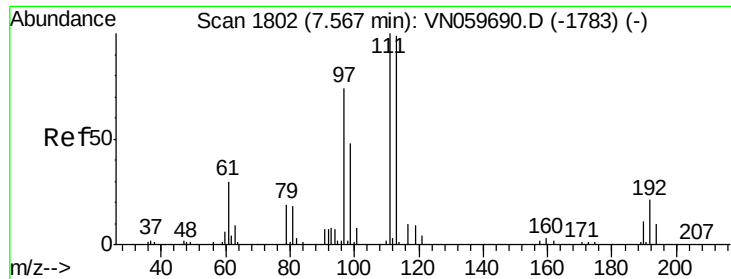
Tot Ion: 65 Resp: 104083
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059786.D
 Acq: 20 Jan 2020 14:57

Tgt Ion: 114 Resp: 297990
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 43.6
 88 14.6 0.0 31.4

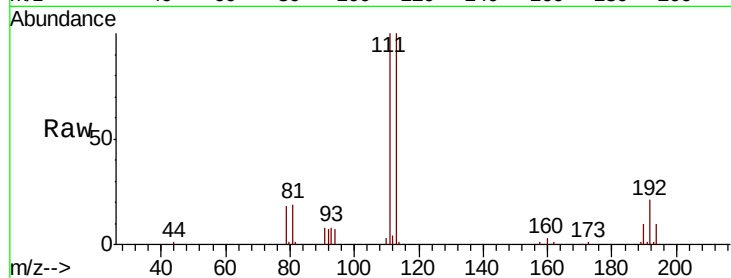




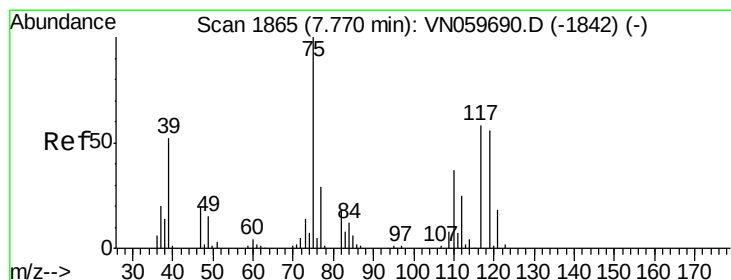
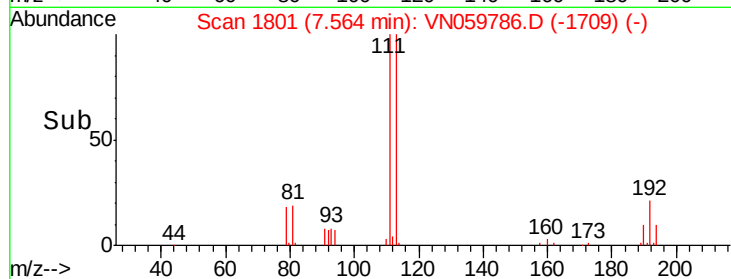
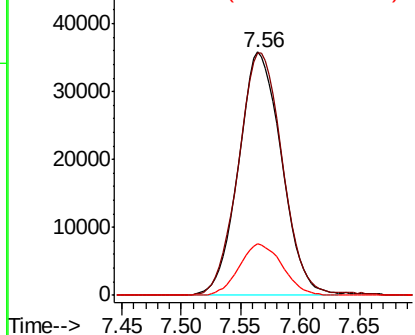
#35
 Dibromofluoromethane
 Concen: 50.527 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059786.D
 Acq: 20 Jan 2020 14:57

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 89789
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.5 125.3
 192 21.2 15.4 23.2

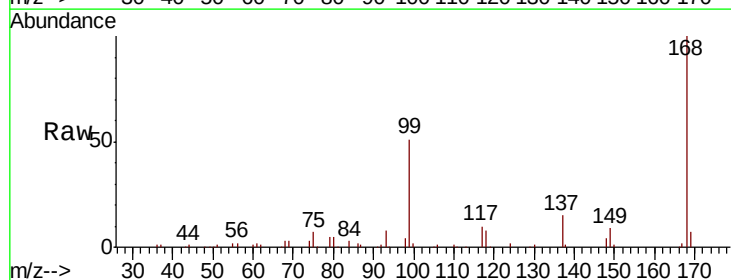


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

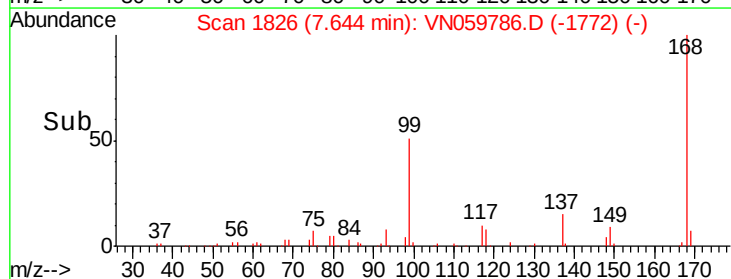
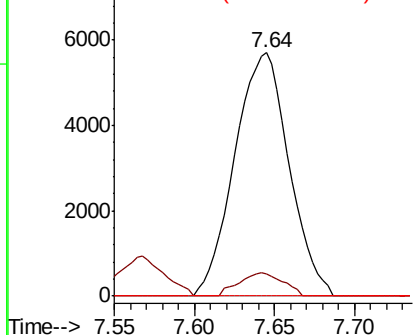


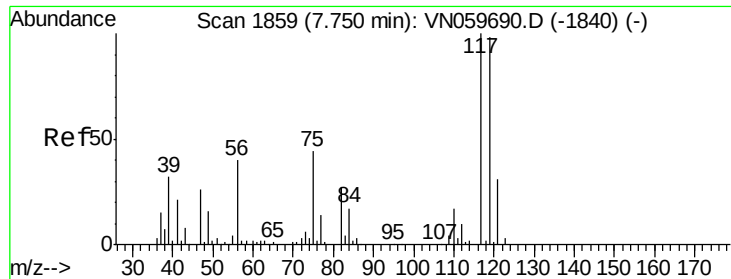
#36
 1,1-Dichloropropene
 Concen: 5.113 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059786.D
 Acq: 20 Jan 2020 14:57

Tgt Ion: 75 Resp: 13268
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.6 49.7#
 77 0.0 25.1 37.7#



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: 6.536 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059786.D

Acq: 20 Jan 2020 14:57

Instrument :

MSVOA_N

ClientSampled :

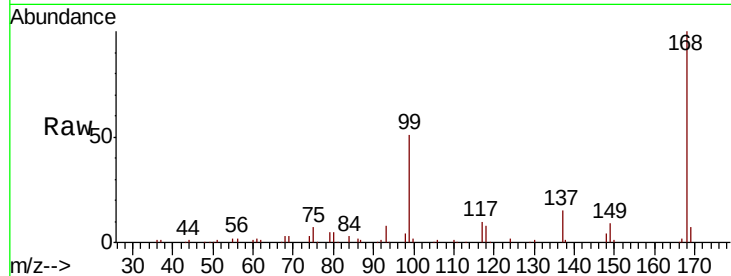
Tot Ion:117 Resp: 18449

Ion Ratio Lower Upper

117 100

119 4.6 76.5 114.7#

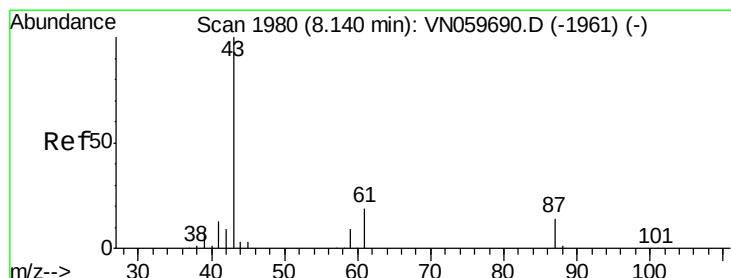
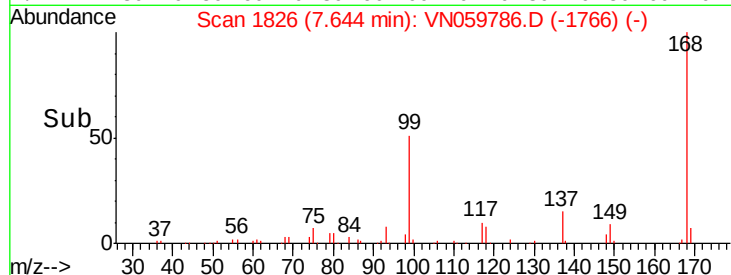
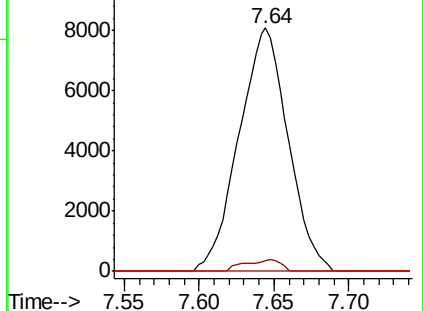
121 0.0 25.1 37.7#



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: 7.627 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059786.D

Acq: 20 Jan 2020 14:57

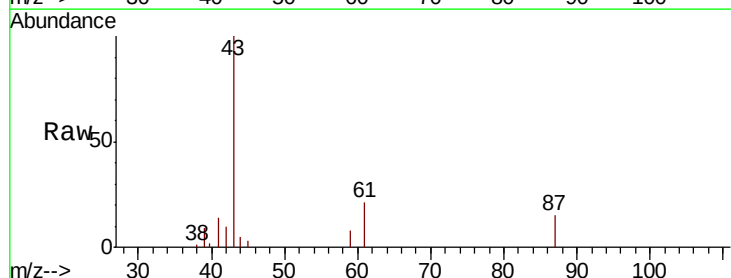
Tgt Ion: 43 Resp: 31928

Ion Ratio Lower Upper

43 100

61 20.3 20.2 30.2

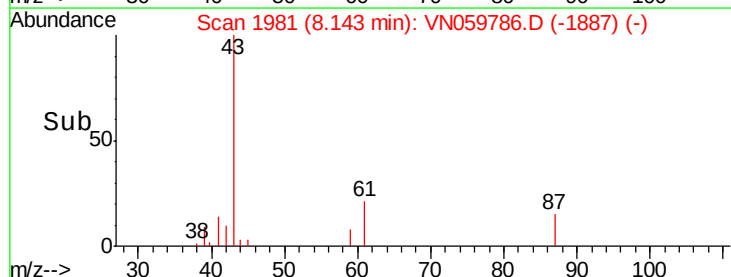
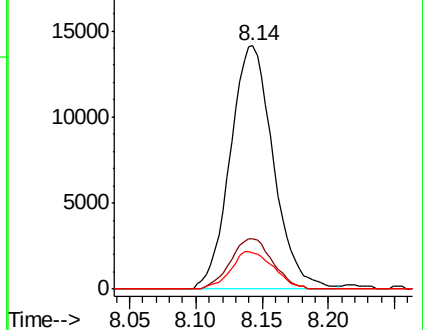
87 15.3 9.5 14.3#

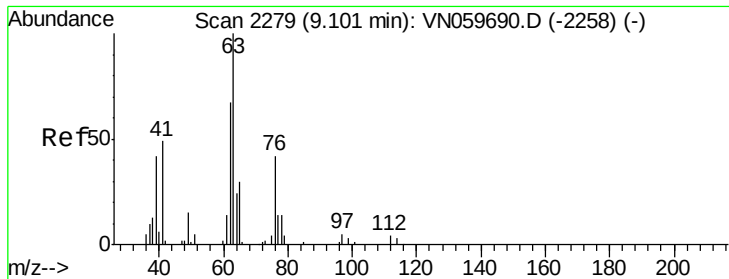


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

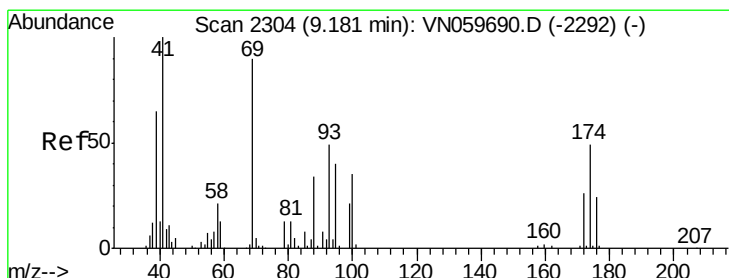
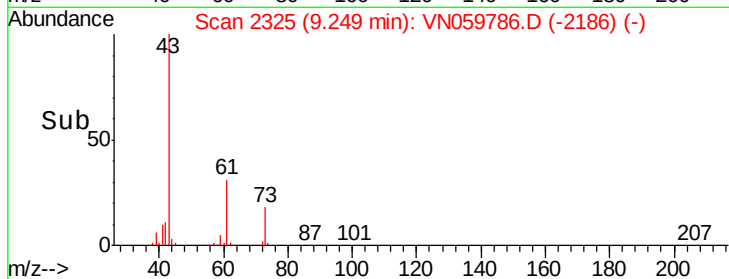
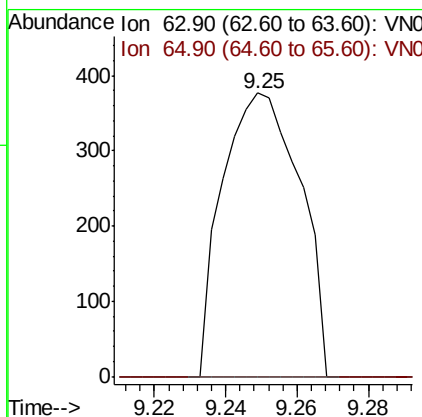
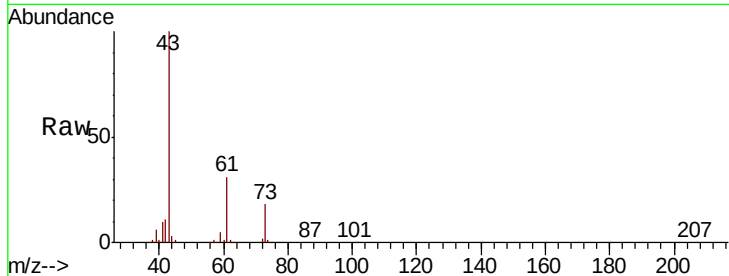




#45
 1,2-Dichloropropane
 Concen: 0.295 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN059786.D
 Acq: 20 Jan 2020 14:57

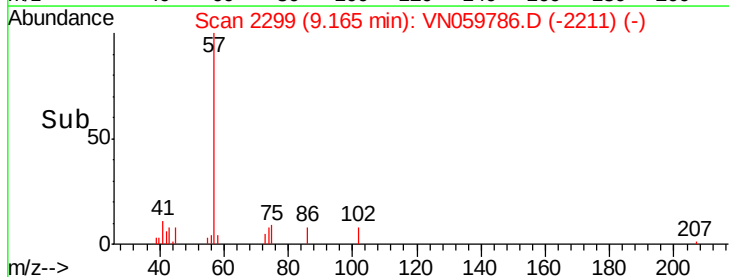
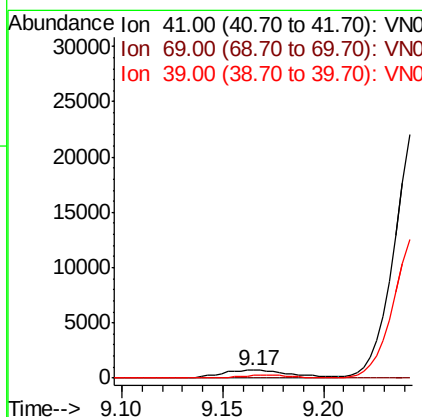
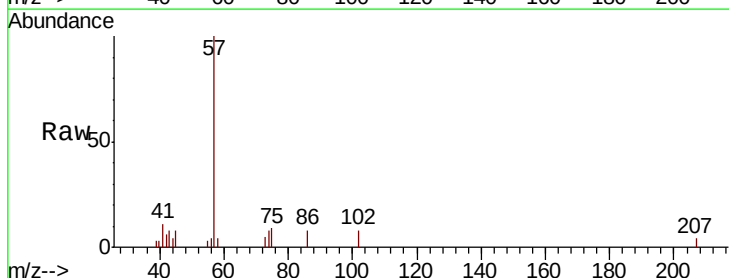
Instrument :
 MSVOA_N
 ClientSampleId :

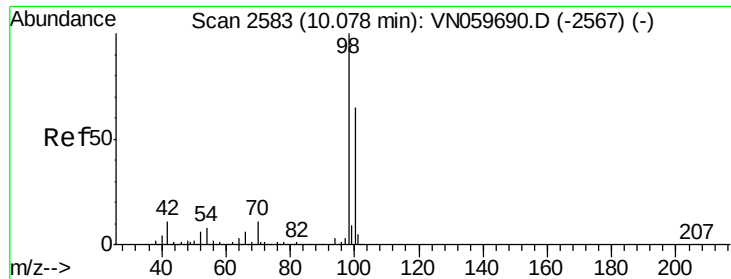
Tot Ion: 63 Resp: 565
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.9 37.3#



#48
 Methyl methacrylate
 Concen: 0.931 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: VN059786.D
 Acq: 20 Jan 2020 14:57

Tgt Ion: 41 Resp: 1744
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 51.3 76.9#





#50

Toluene-d8

Concen: 50.243 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059786.D

Acq: 20 Jan 2020 14:57

Instrument :

MSVOA_N

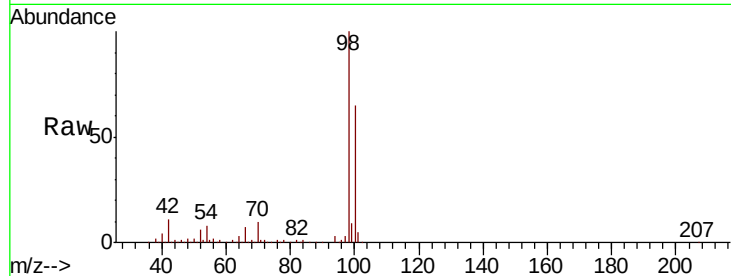
ClientSampleId :

Tot Ion: 98 Resp: 345935

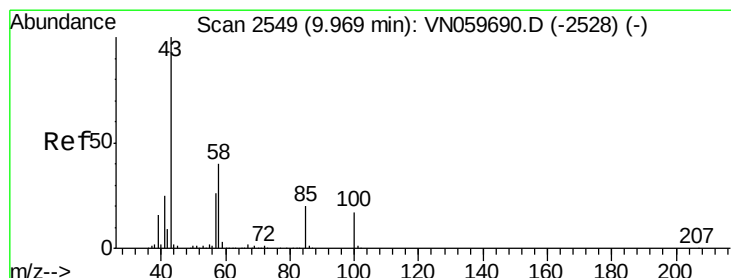
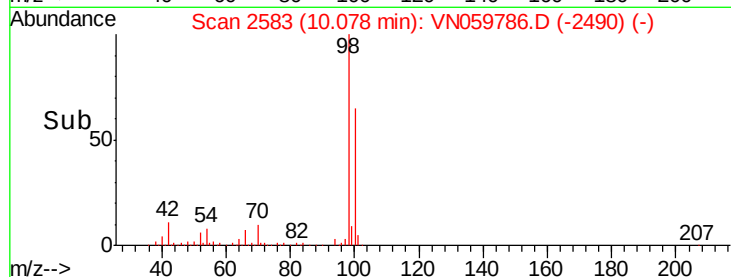
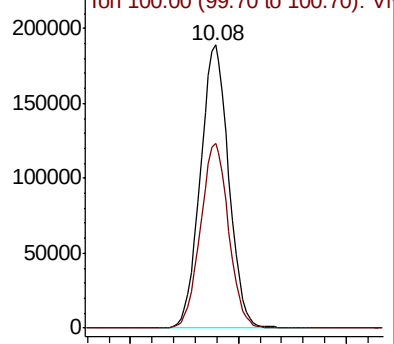
Ion Ratio Lower Upper

98 100

100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059690.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.701 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059786.D

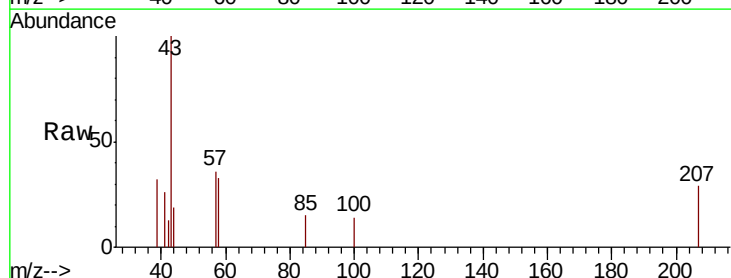
Acq: 20 Jan 2020 14:57

Tgt Ion: 43 Resp: 1696

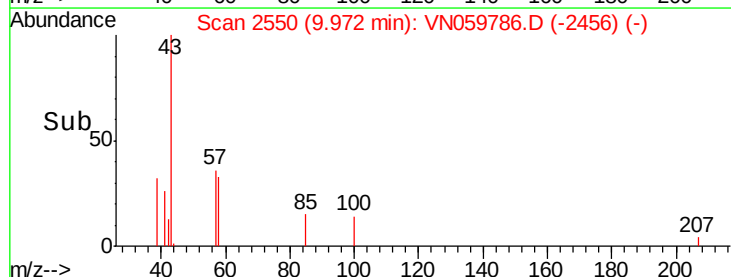
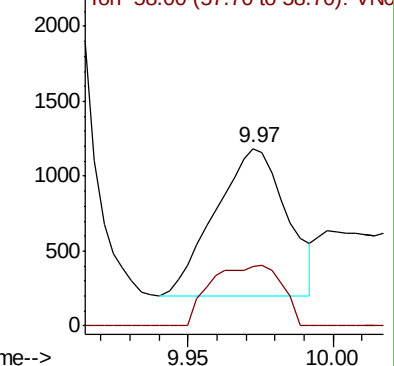
Ion Ratio Lower Upper

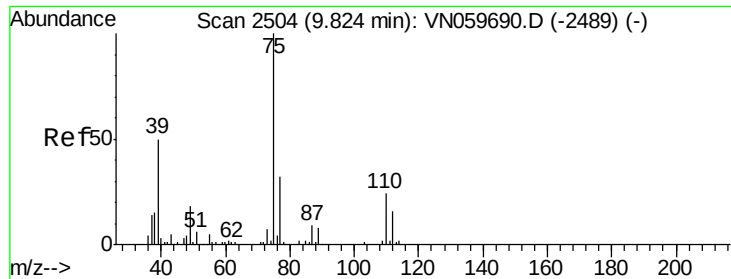
43 100

58 40.4 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-2528) (-)

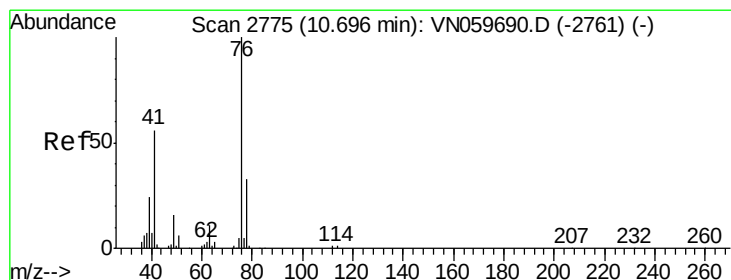
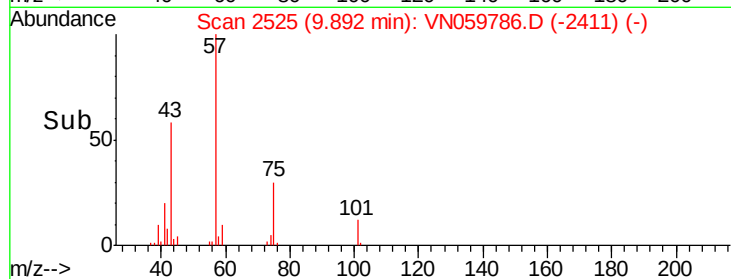
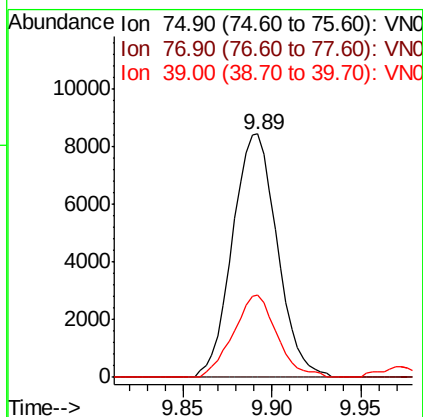
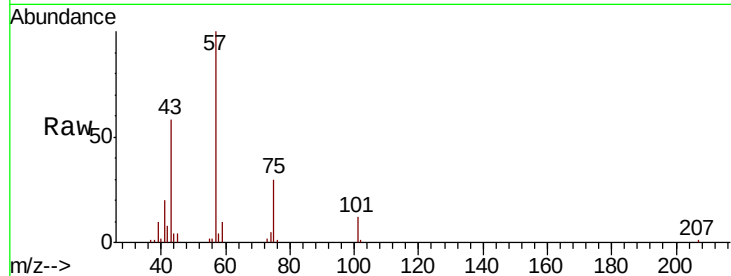




#54
 cis-1,3-Dichloropropene
 Concen: 4.616 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN059786.D
 Acq: 20 Jan 2020 14:57

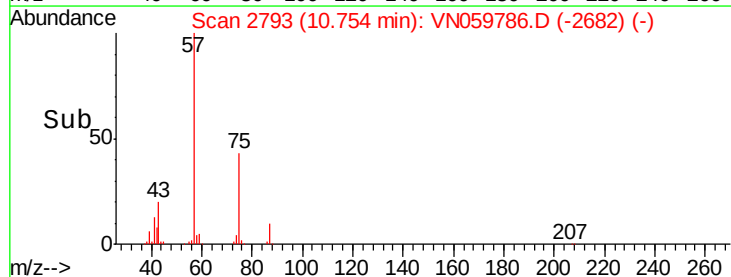
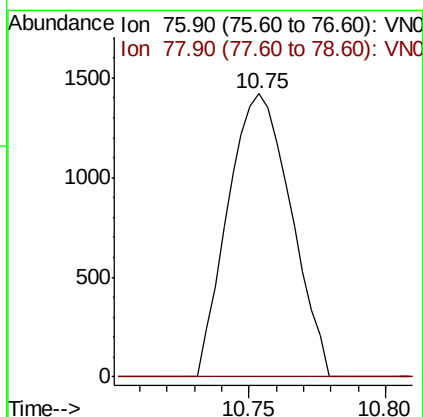
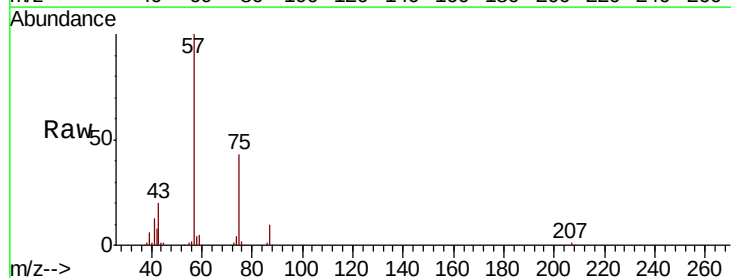
Instrument :
 MSVOA_N
 ClientSampled :

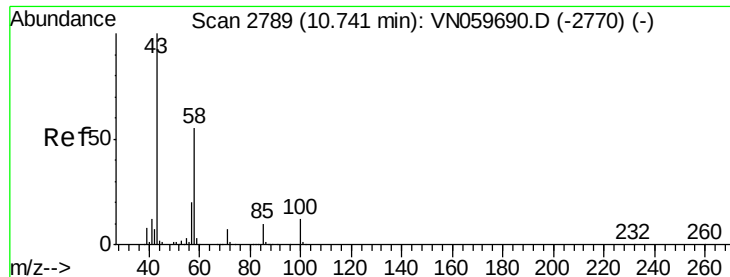
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.1	37.7#
39	33.8	46.1	69.1#



#57
 1,3-Dichloropropane
 Concen: 0.741 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059786.D
 Acq: 20 Jan 2020 14:57

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.8	38.8#





#59

2-Hexanone

Concen: 17.005 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN059786.D

Acq: 20 Jan 2020 14:57

Instrument :

MSVOA_N

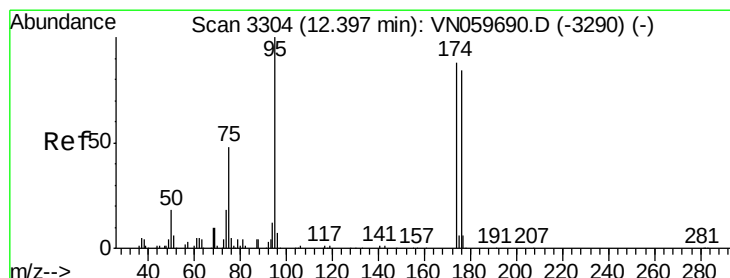
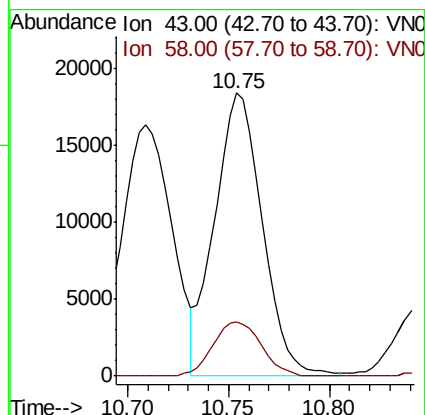
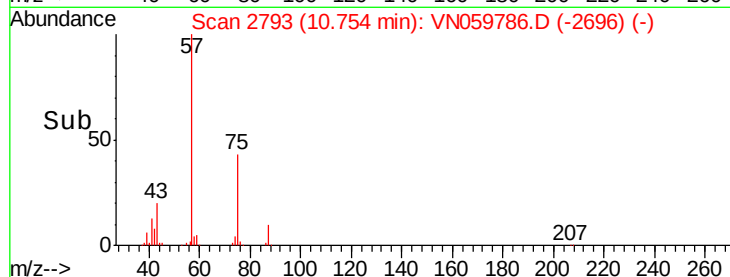
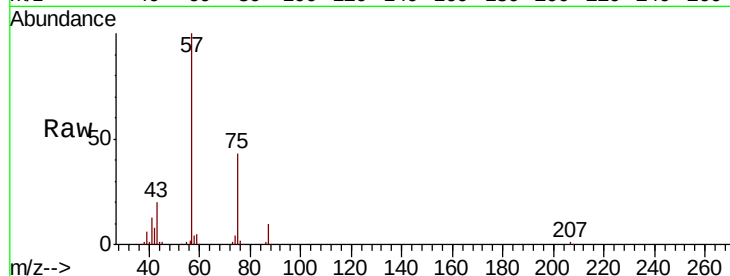
ClientSampleId :

Tot Ion: 43 Resp: 30318

Ion Ratio Lower Upper

43 100

58 19.3 25.8 77.3#



#62

4-Bromofluorobenzene

Concen: 47.132 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059786.D

Acq: 20 Jan 2020 14:57

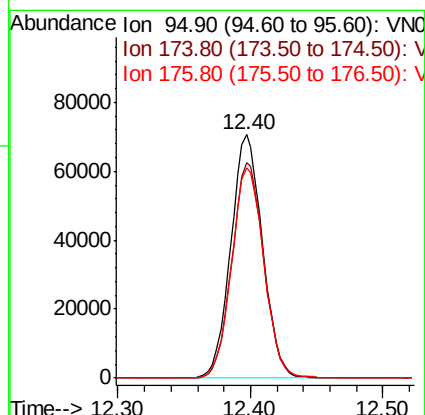
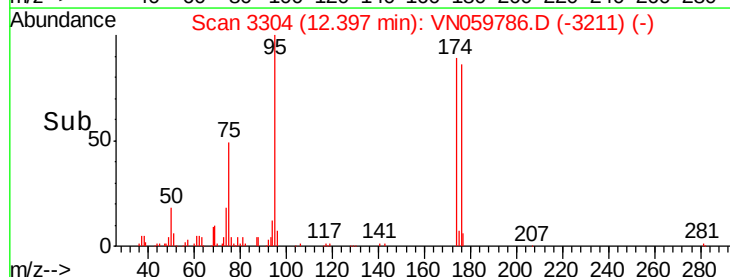
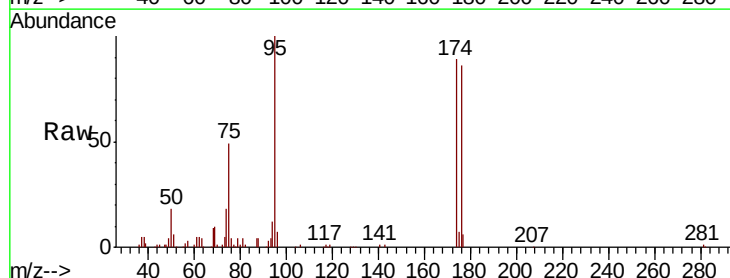
Tgt Ion: 95 Resp: 116987

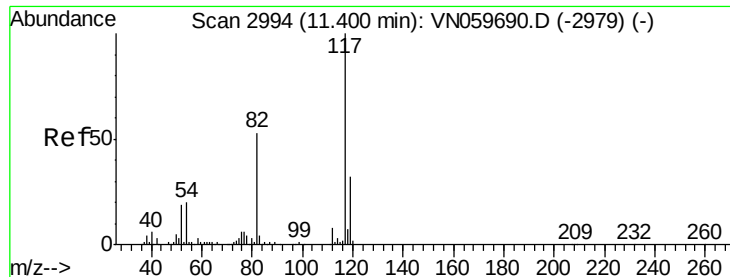
Ion Ratio Lower Upper

95 100

174 89.2 0.0 151.4

176 87.9 0.0 146.0

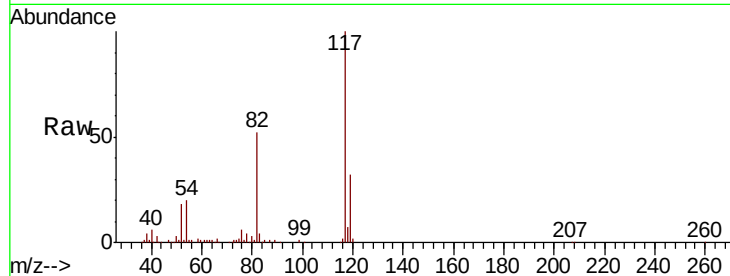




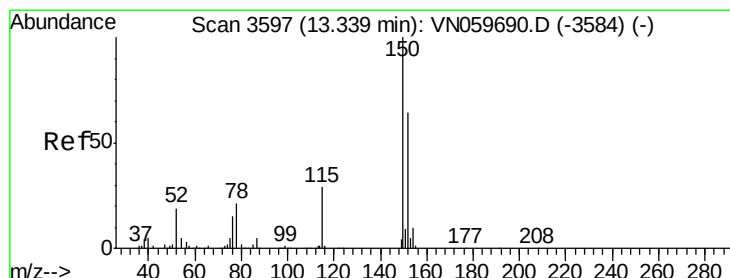
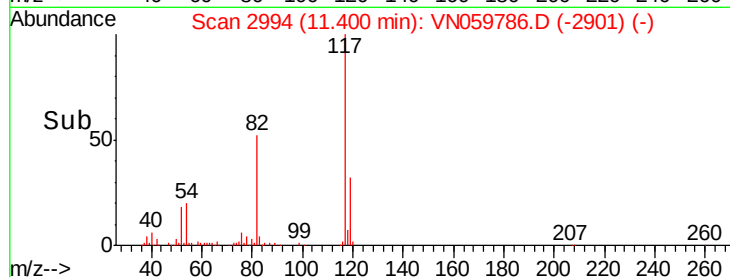
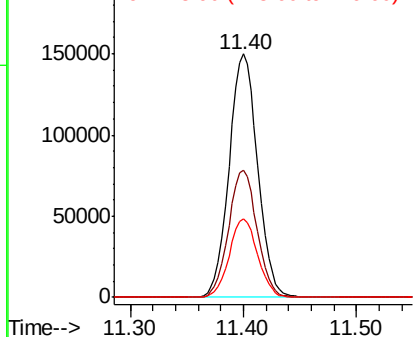
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059786.D
Acq: 20 Jan 2020 14:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 262814
Ion Ratio Lower Upper
117 100
82 52.4 45.9 68.9
119 32.3 25.5 38.3

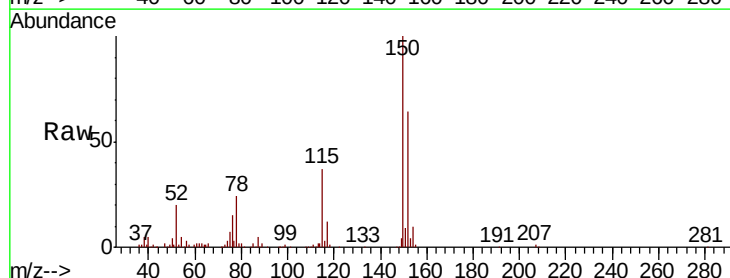


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

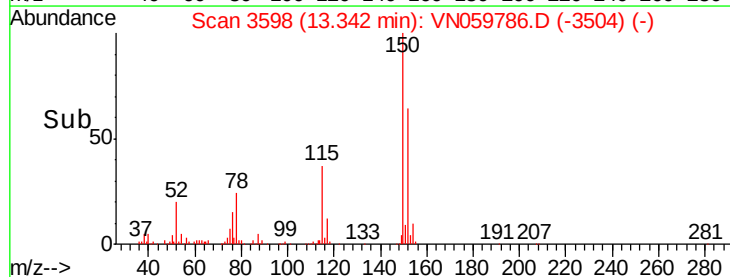
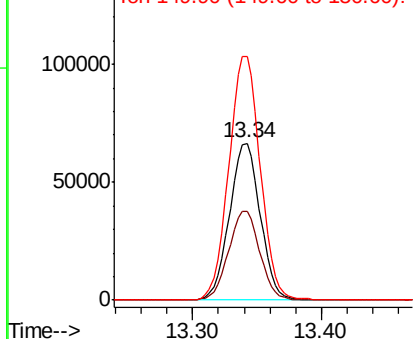


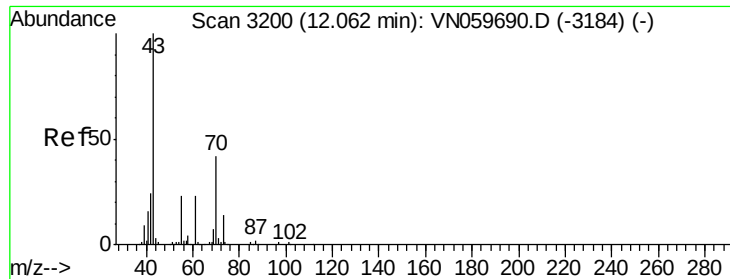
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059786.D
Acq: 20 Jan 2020 14:57

Tgt Ion:152 Resp: 110210
Ion Ratio Lower Upper
152 100
115 57.3 30.3 90.9
150 158.8 0.0 345.2



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

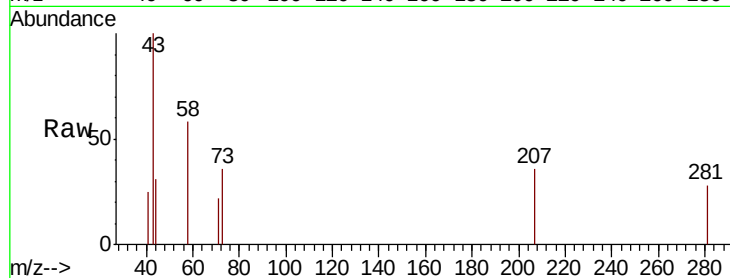




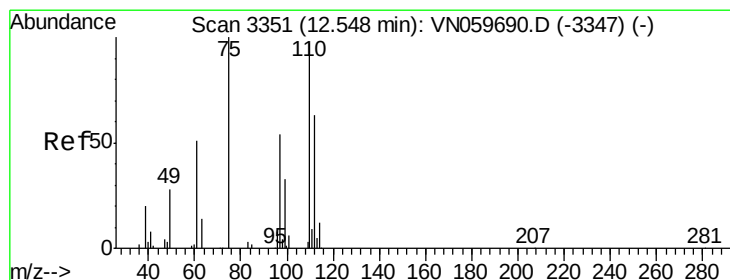
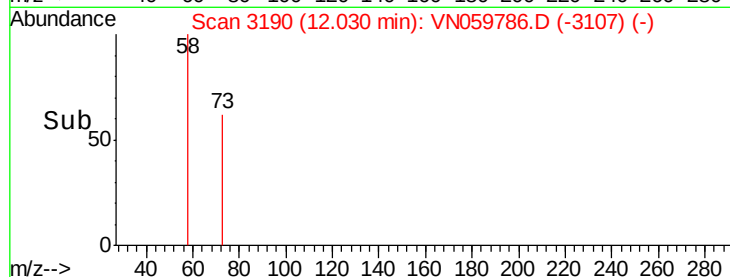
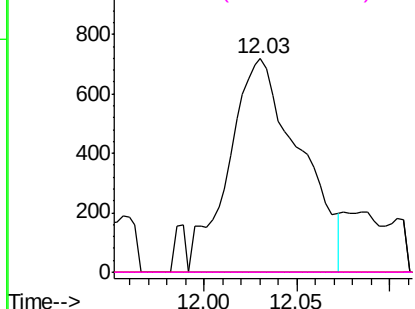
#74
N-amvl acetate
Concen: 0.610 ug/l
RT: 12.03 min Scan# 3190
Delta R.T. -0.03 min
Lab File: VN059786.D
Acq: 20 Jan 2020 14:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1912
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 19.8 29.6#
61 0.0 18.3 27.5#

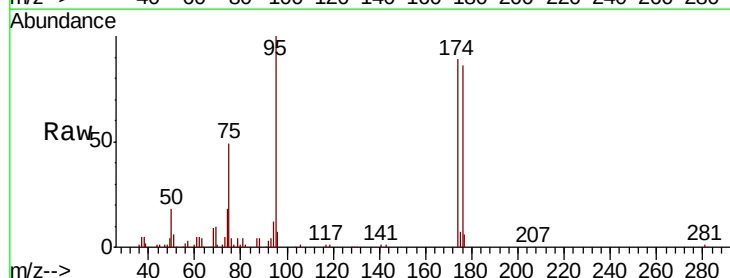


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 70.00 (69.70 to 70.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 61.00 (60.70 to 61.70): VN0

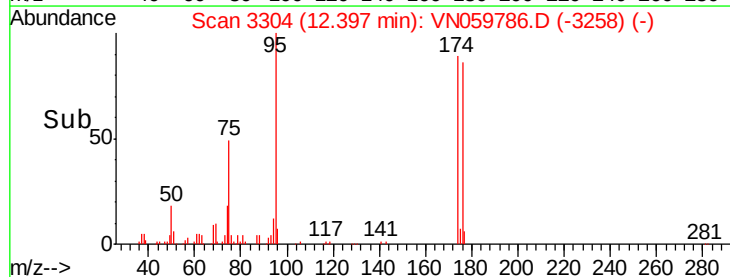
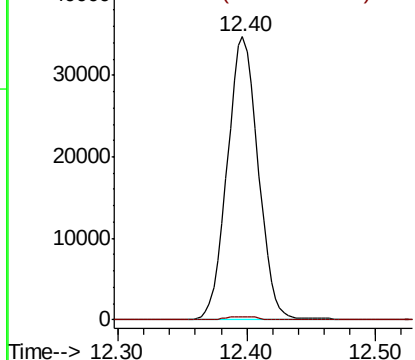


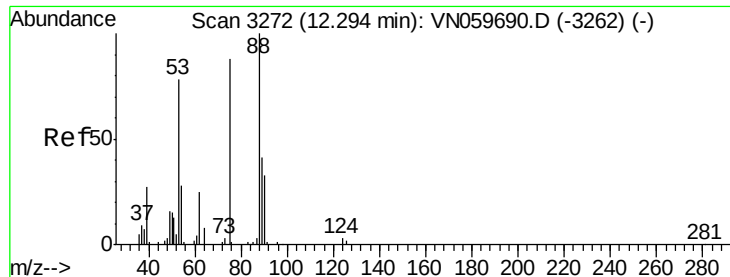
#76
1,2,3-Trichloropropane
Concen: 31.229 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN059786.D
Acq: 20 Jan 2020 14:57

Tgt Ion: 75 Resp: 57922
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0

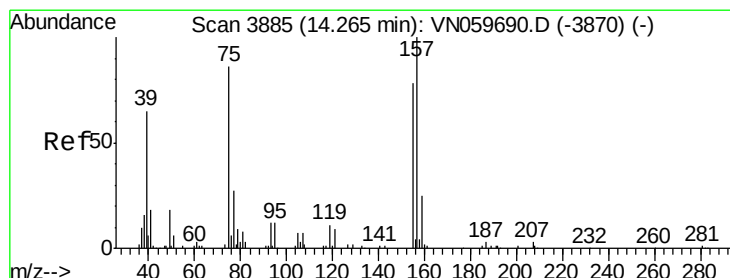
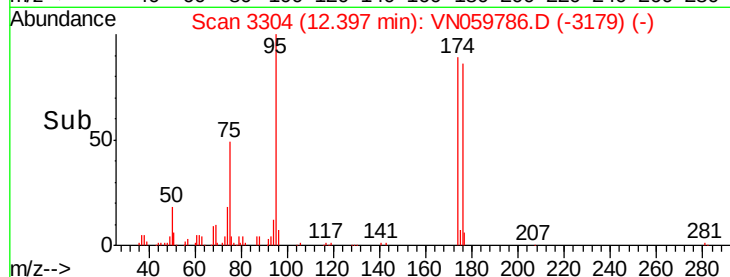
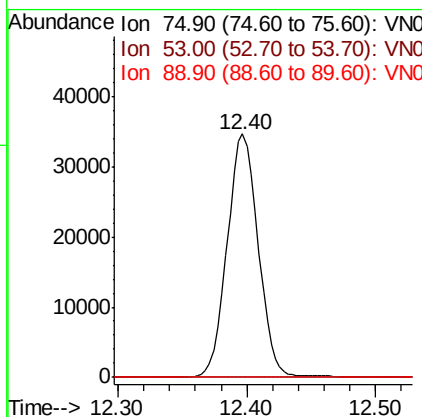
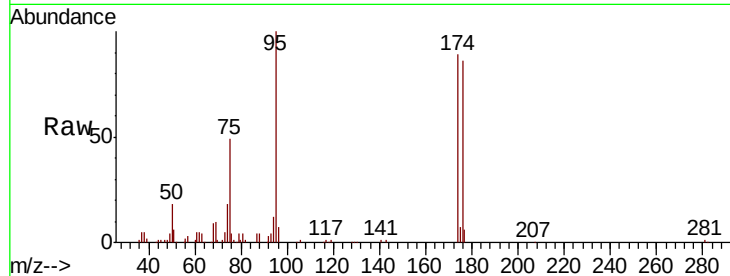




#81
trans-1,4-Dichloro-2-butene
Concen: 67.065 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059786.D
Acq: 20 Jan 2020 14:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 57922
Ion Ratio Lower Upper
75 100
53 0.0 78.1 117.1#
89 0.0 35.4 53.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.28 min Scan# 3891
Delta R.T. 0.02 min
Lab File: VN059786.D
Acq: 20 Jan 2020 14:57

Tgt Ion: 75 Resp: 59
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#

