

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060959.D
 Acq On : 15 Apr 2020 14:21
 Operator : JC/MD
 Sample : L2122-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 06:33:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	143407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	244066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	226818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	99873	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	93769	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
35) Dibromofluoromethane	7.56	113	72621	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.08	98	300353	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	112176	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	

Target Compounds

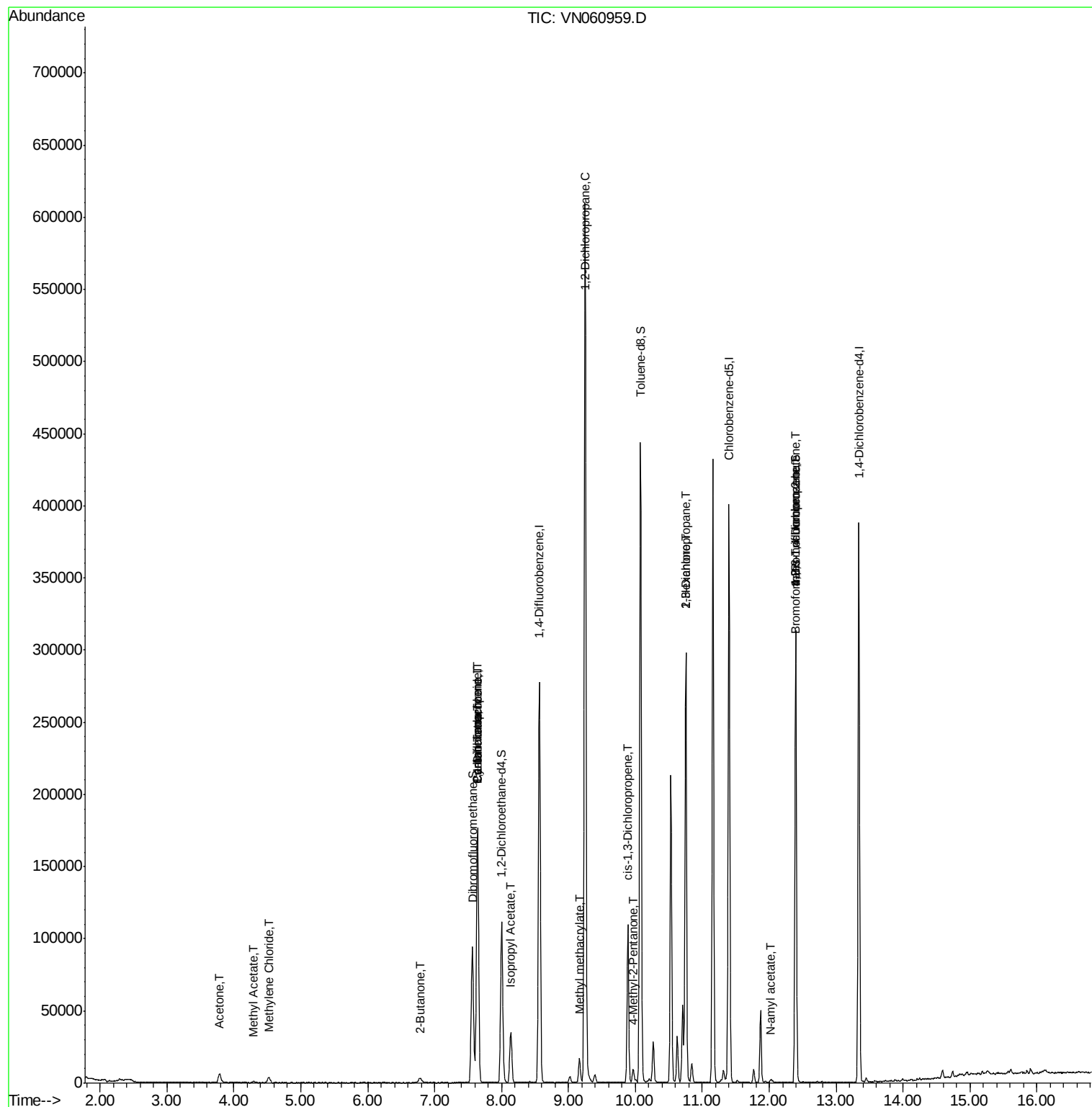
						Qvalue
16) Acetone	3.78	43	12389	17.766	ug/l	99
18) Methyl Acetate	4.30	43	1706	0.869	ug/l #	54
20) Methylene Chloride	4.53	84	2875	1.676	ug/l #	93
25) 2-Butanone	6.80	43	1803	1.598	ug/l	92
31) Cyclohexane	7.64	56	3027	0.955	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11861	5.019	ug/l #	48
38) Carbon Tetrachloride	7.64	117	13897	6.561	ug/l #	16
43) Isopropyl Acetate	8.14	43	43332	10.289	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	645	0.343	ug/l #	43
48) Methyl methacrylate	9.16	41	2427	1.294	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	6581	2.746	ug/l	96
54) cis-1,3-Dichloropropene	9.89	75	18846	6.324	ug/l #	62
57) 1,3-Dichloropropane	10.75	76	2793	0.971	ug/l #	42
59) 2-Hexanone	10.75	43	44588	25.829	ug/l #	52
71) Bromoform	12.38	173	29	1.701	ug/l #	29
74) N-amyl acetate	12.02	43	2868	0.828	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	56358	26.152	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	56358	67.165	ug/l #	13

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

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QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060959.D

Acq: 15 Apr 2020 14:21

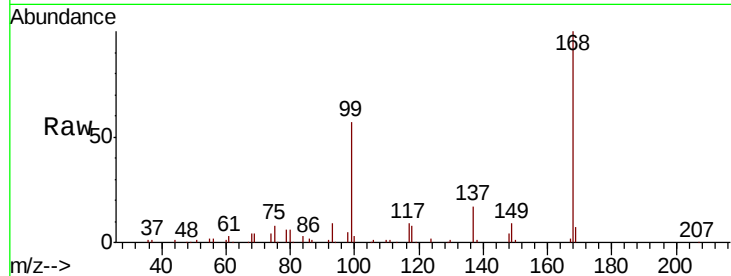
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 143407

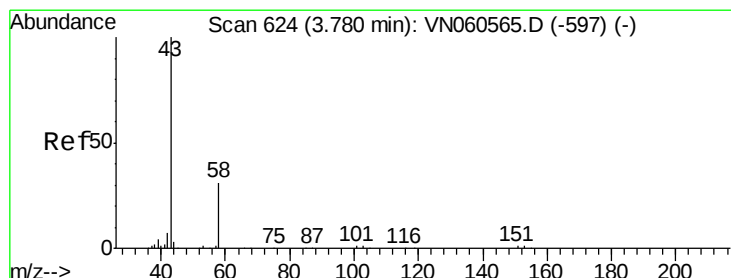
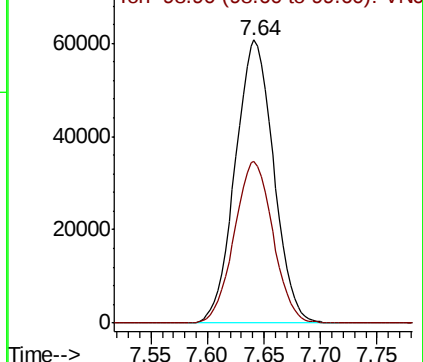
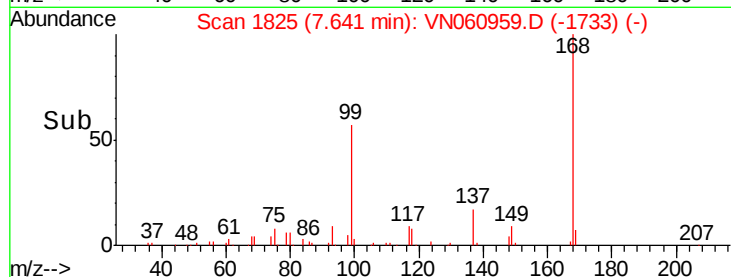
Ion Ratio Lower Upper

168 100

99 57.3 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060959.D (-1733) (-)



#16

Acetone

Concen: 17.766 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060959.D

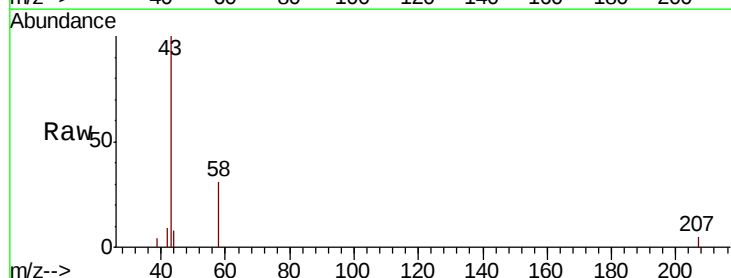
Acq: 15 Apr 2020 14:21

Tgt Ion: 43 Resp: 12389

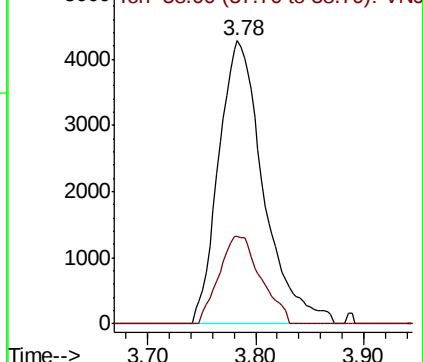
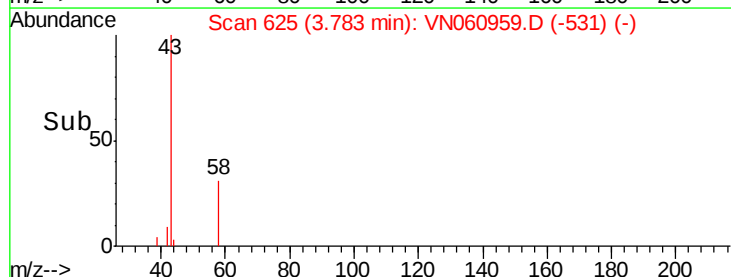
Ion Ratio Lower Upper

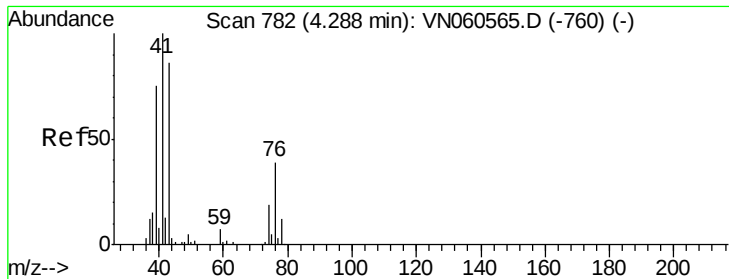
43 100

58 31.0 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060959.D (-531) (-)

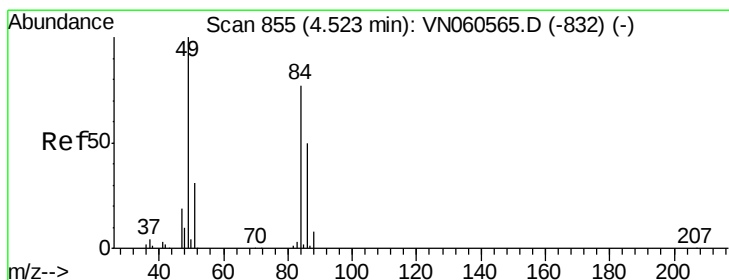
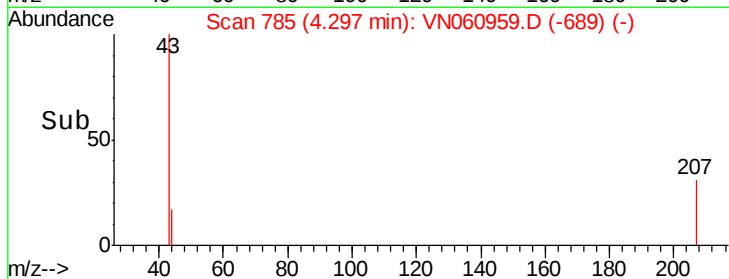
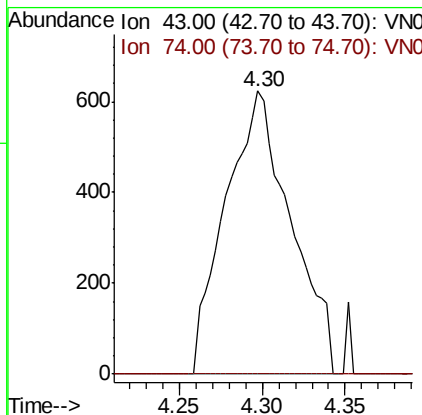
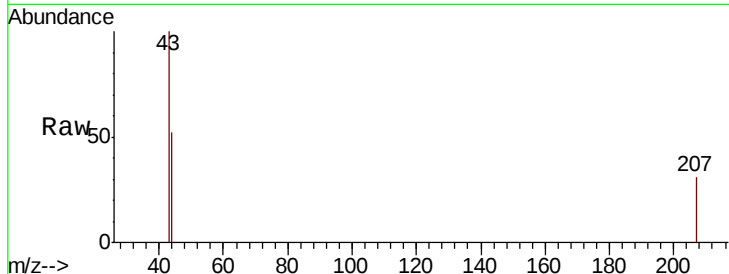




#18
Methyl Acetate
Concen: 0.869 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060959.D
Acq: 15 Apr 2020 14:21

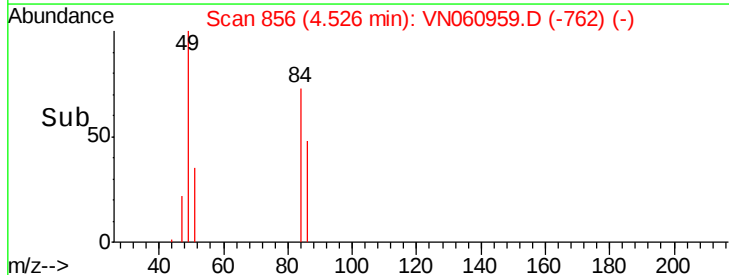
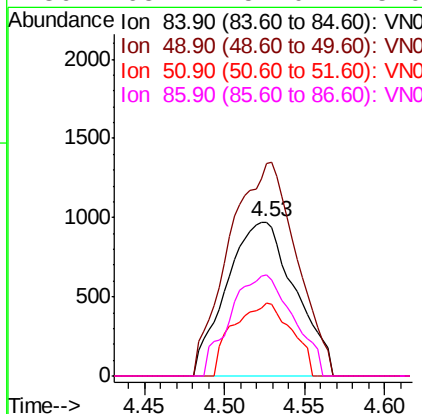
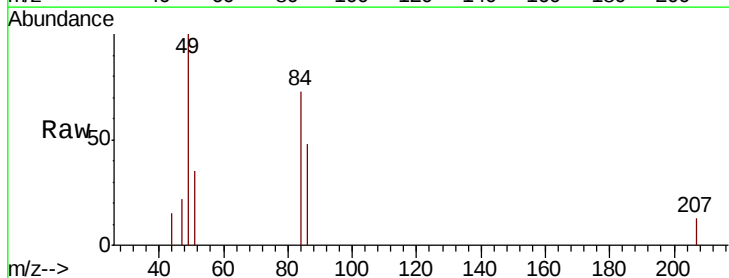
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1706
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.676 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060959.D
Acq: 15 Apr 2020 14:21

Tgt Ion: 84 Resp: 2875
Ion Ratio Lower Upper
84 100
49 137.9 103.3 154.9
51 47.7 31.6 47.4#
86 65.7 52.0 78.0

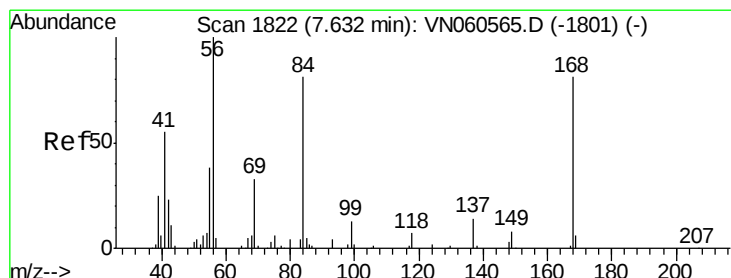
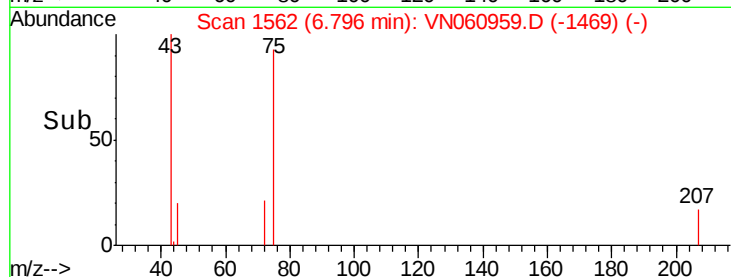
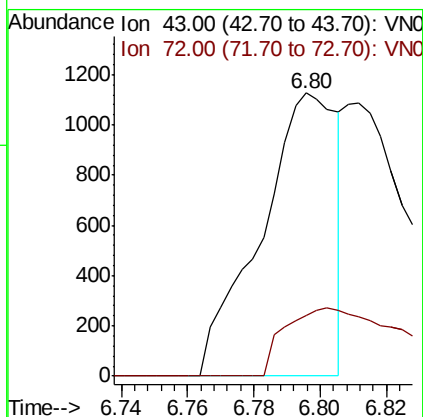
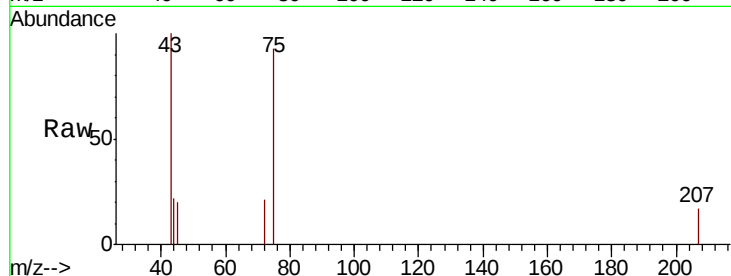




#25
2-Butanone
Concen: 1.598 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060959.D
Acq: 15 Apr 2020 14:21

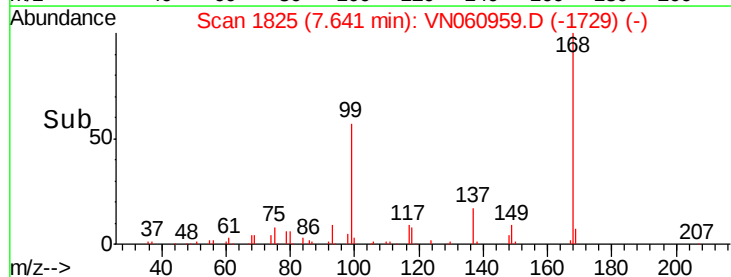
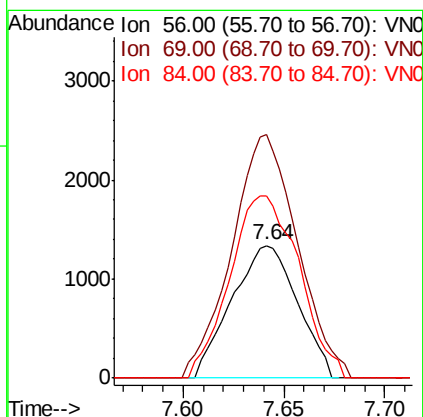
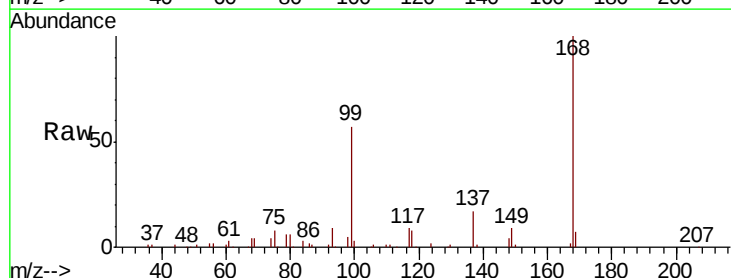
Instrument :
MSVOA_N
ClientSampleId :

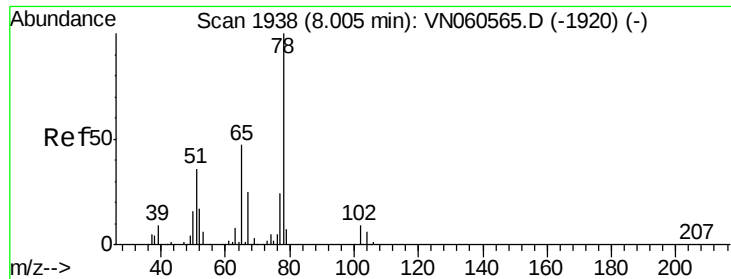
Tot Ion: 43 Resp: 1803
Ion Ratio Lower Upper
43 100
72 21.4 20.4 30.6



#31
Cyclohexane
Concen: 0.955 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060959.D
Acq: 15 Apr 2020 14:21

Tgt Ion: 56 Resp: 3027
Ion Ratio Lower Upper
56 100
69 171.9 26.6 40.0#
84 137.5 64.3 96.5#

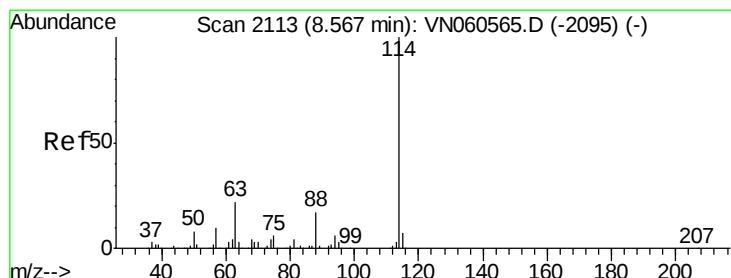
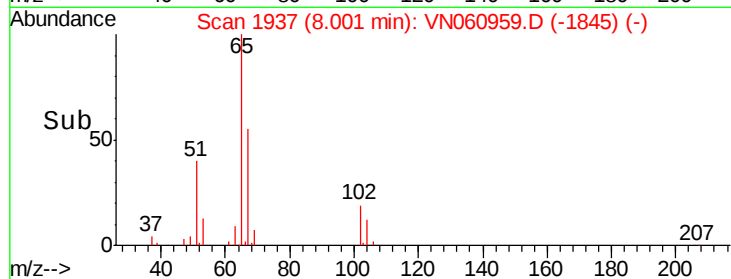
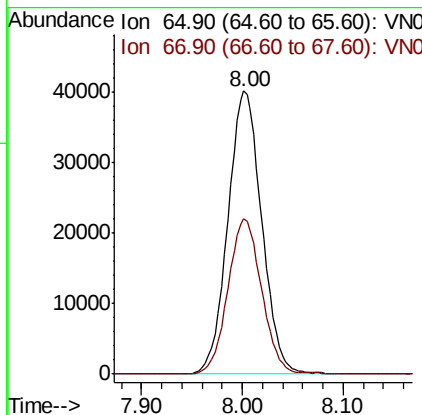
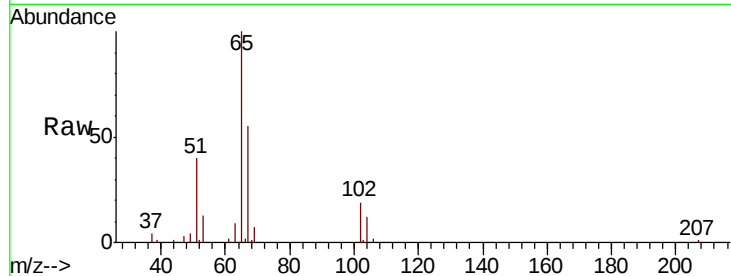




#33
 1,2-Dichloroethane-d4
 Concen: 47.631 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060959.D
 Acq: 15 Apr 2020 14:21

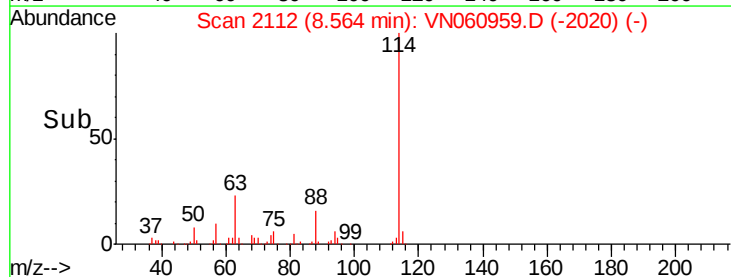
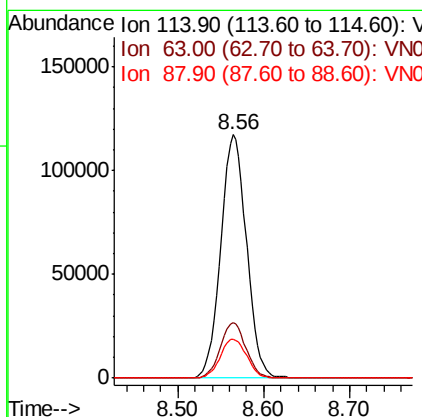
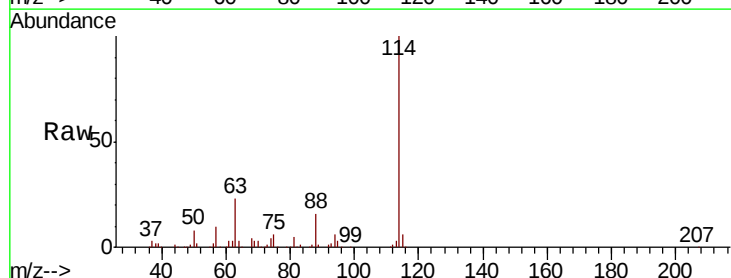
Instrument :
 MSVOA_N
 ClientSampleId :

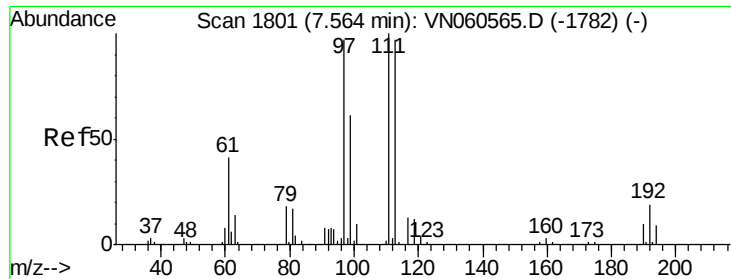
Tot Ion: 65 Resp: 93769
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060959.D
 Acq: 15 Apr 2020 14:21

Tgt Ion: 114 Resp: 244066
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.8
 88 16.1 0.0 33.0

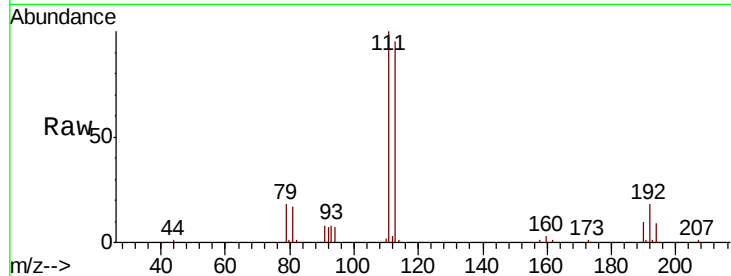




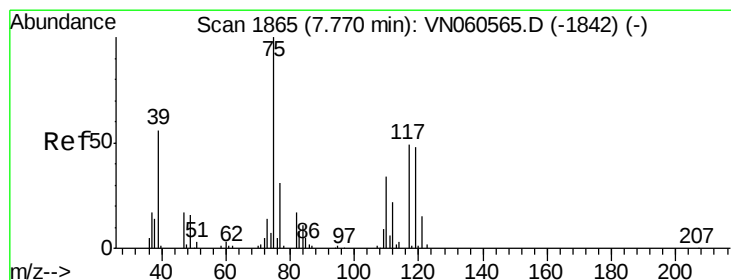
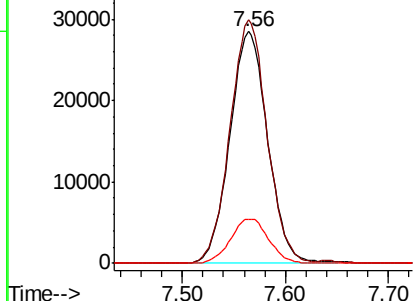
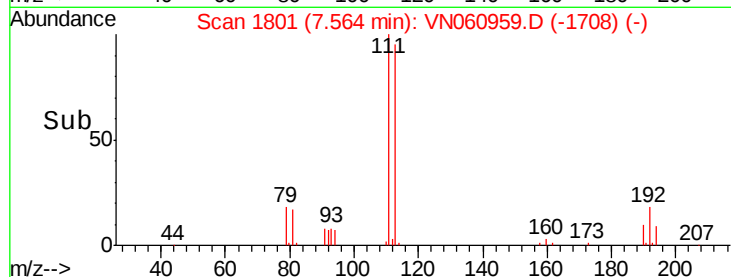
#35
 Dibromofluoromethane
 Concen: 49.208 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060959.D
 Acq: 15 Apr 2020 14:21

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 72621
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.9 124.3
 192 19.1 15.8 23.8

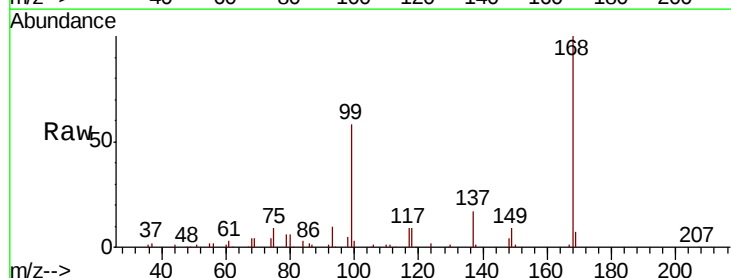


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

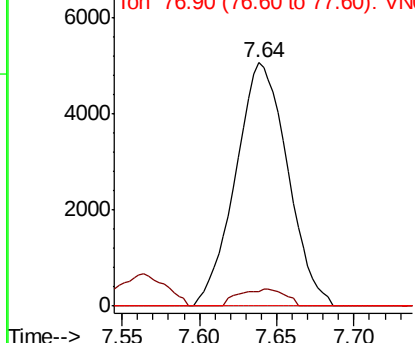
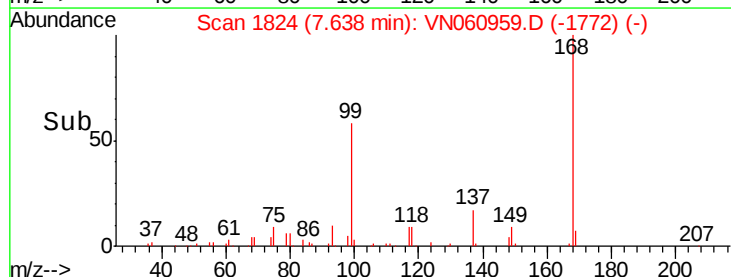


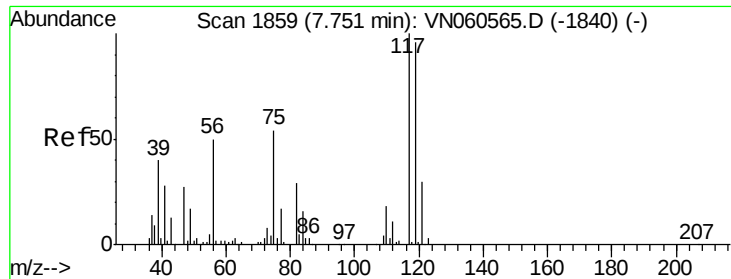
#36
 1,1-Dichloropropene
 Concen: 5.019 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060959.D
 Acq: 15 Apr 2020 14:21

Tgt Ion: 75 Resp: 11861
 Ion Ratio Lower Upper
 75 100
 110 6.2 16.9 50.6#
 77 0.0 24.6 36.8#



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: 6.561 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.11 min

Lab File: VN060959.D

Acq: 15 Apr 2020 14:21

Instrument :

MSVOA_N

ClientSampleId :

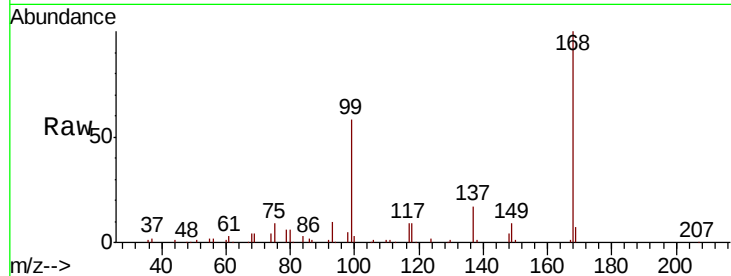
Tot Ion:117 Resp: 13897

Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

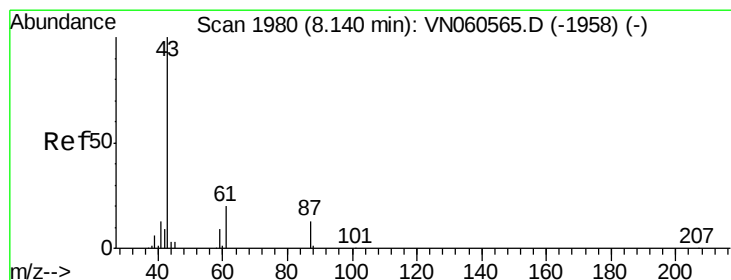
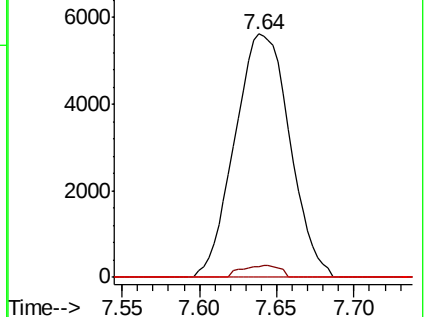
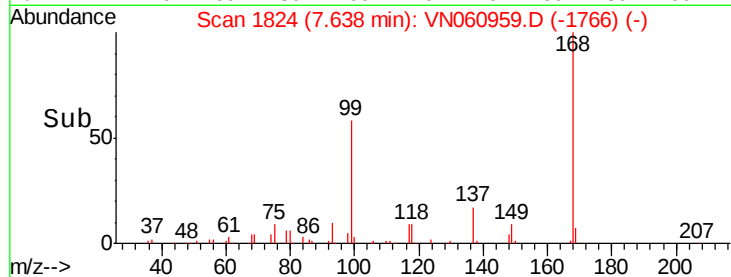
121 0.0 23.7 35.5#



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: 10.289 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060959.D

Acq: 15 Apr 2020 14:21

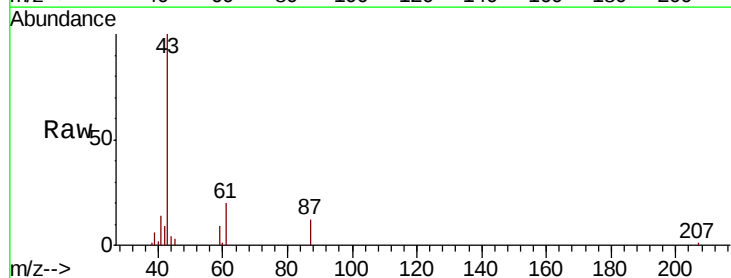
Tgt Ion: 43 Resp: 43332

Ion Ratio Lower Upper

43 100

61 19.5 20.7 31.1#

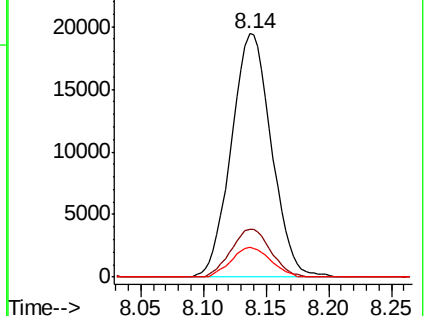
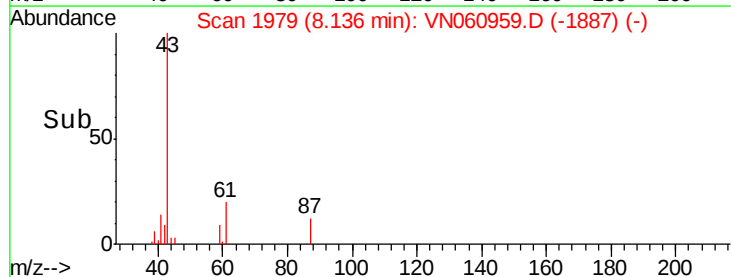
87 11.9 9.8 14.8

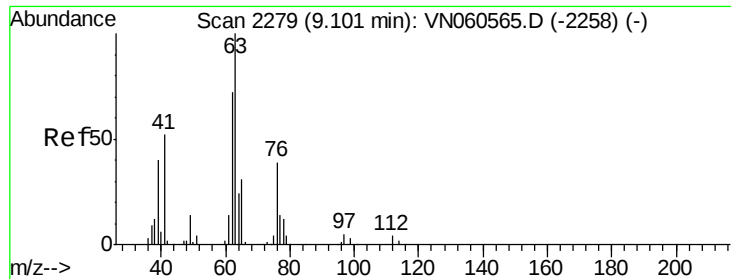


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.343 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060959.D

Acq: 15 Apr 2020 14:21

Instrument :

MSVOA_N

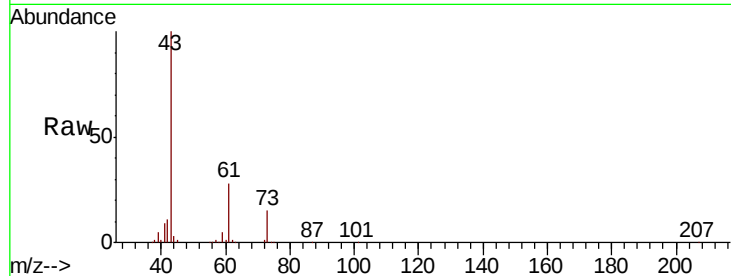
ClientSampled :

Tot Ion: 63 Resp: 645

Ion Ratio Lower Upper

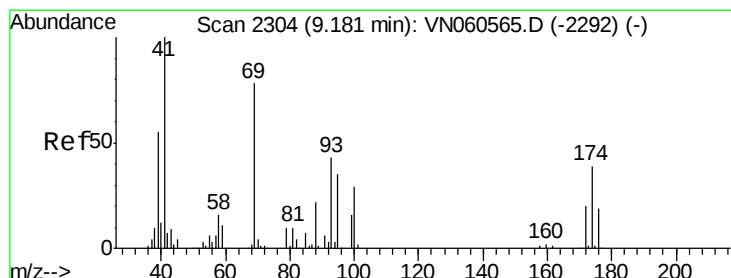
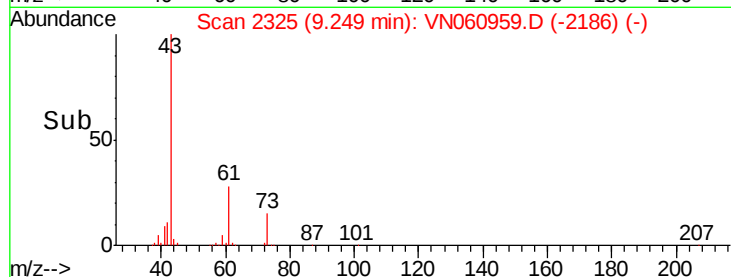
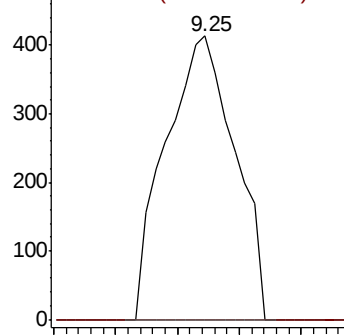
63 100

65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.294 ug/l

RT: 9.16 min Scan# 2297

Delta R.T. -0.02 min

Lab File: VN060959.D

Acq: 15 Apr 2020 14:21

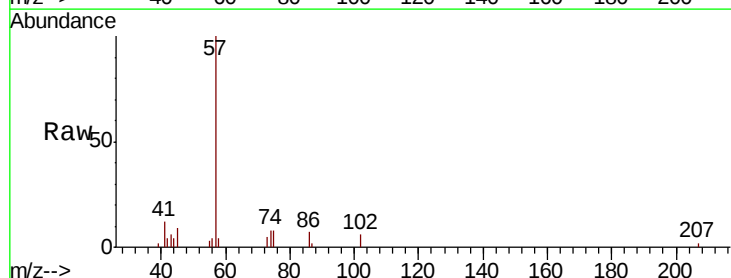
Tgt Ion: 41 Resp: 2427

Ion Ratio Lower Upper

41 100

69 0.0 65.4 98.0#

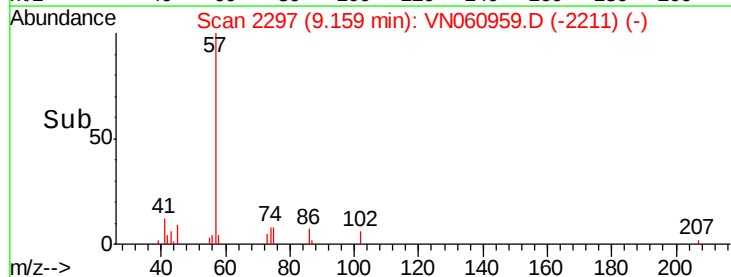
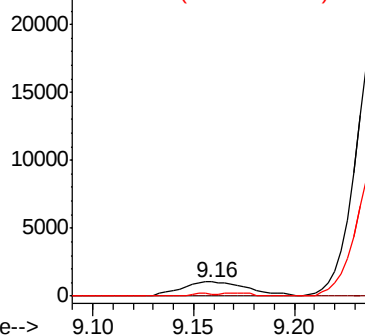
39 0.0 44.0 66.0#

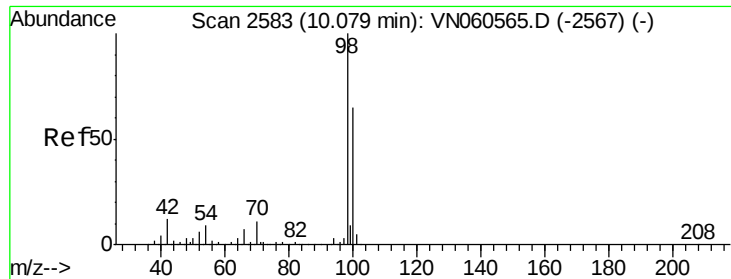


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

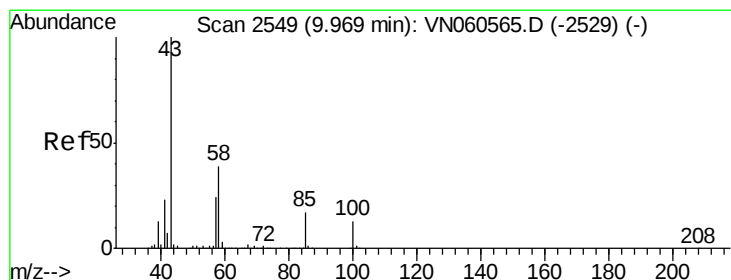
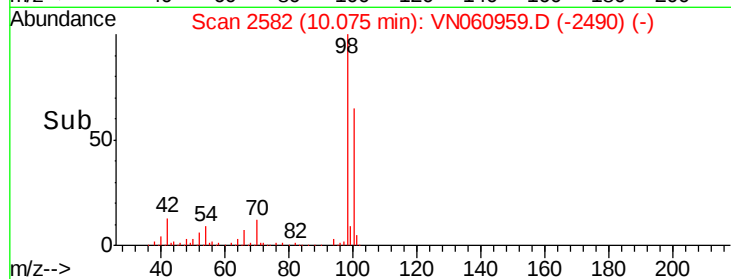
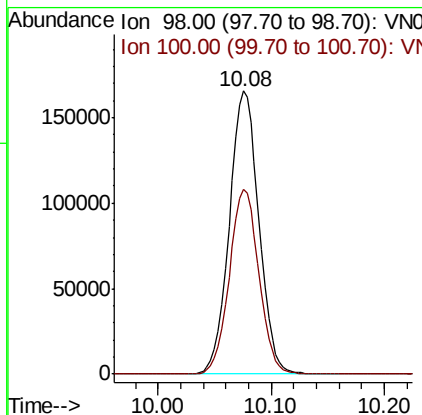
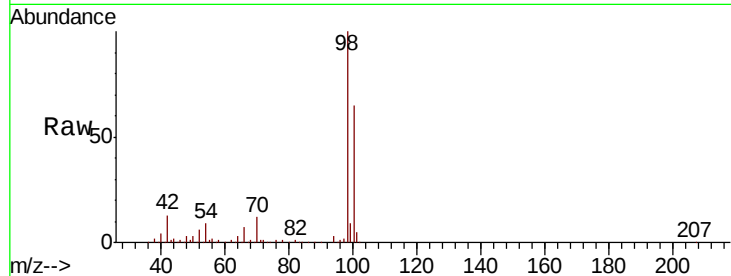




#50
Toluene-d8
Concen: 49.826 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060959.D
Acq: 15 Apr 2020 14:21

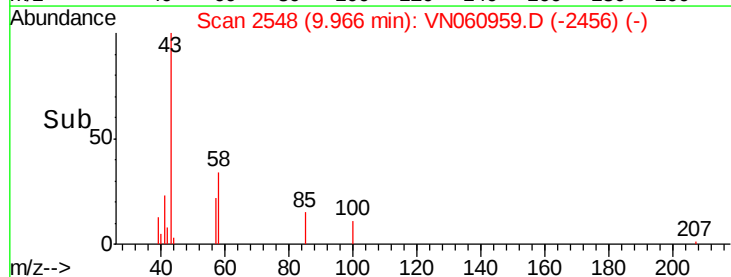
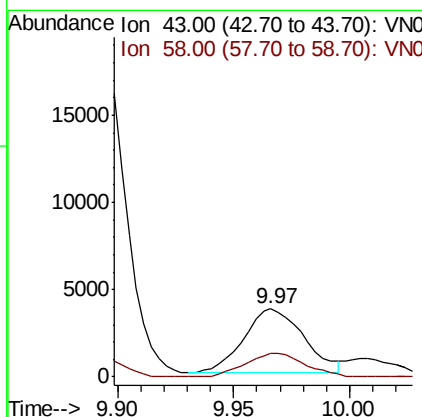
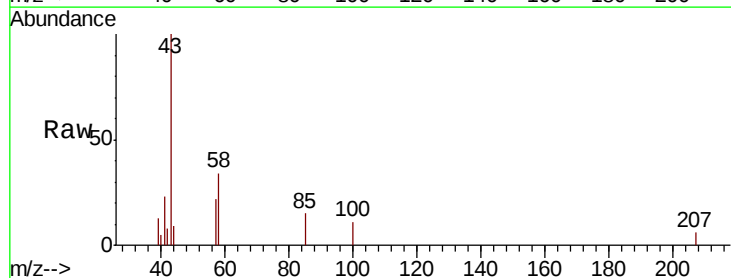
Instrument :
MSVOA_N
ClientSampled :

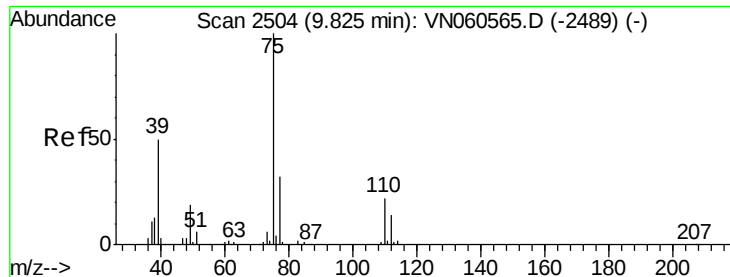
Tot Ion: 98 Resp: 300353
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 2.746 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060959.D
Acq: 15 Apr 2020 14:21

Tgt Ion: 43 Resp: 6581
Ion Ratio Lower Upper
43 100
58 36.0 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 6.324 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060959.D

Acq: 15 Apr 2020 14:21

Instrument :

MSVOA_N

ClientSampled :

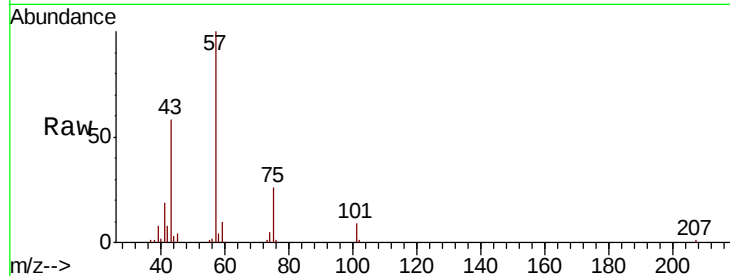
Tot Ion: 75 Resp: 18846

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

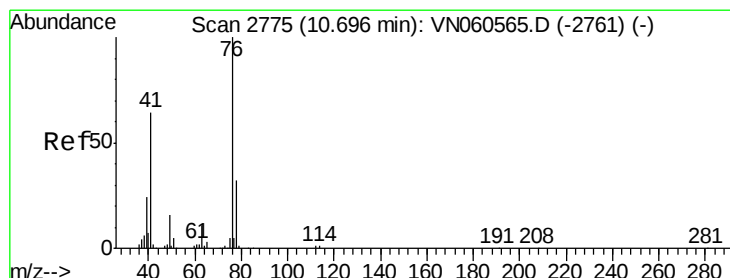
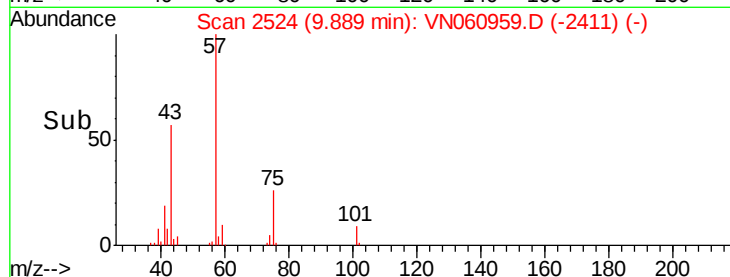
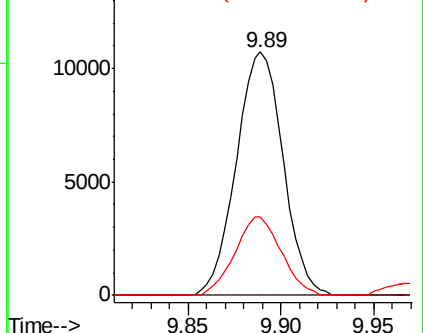
39 32.0 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.971 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060959.D

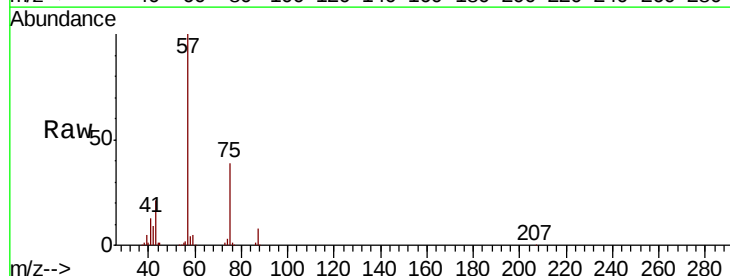
Acq: 15 Apr 2020 14:21

Tgt Ion: 76 Resp: 2793

Ion Ratio Lower Upper

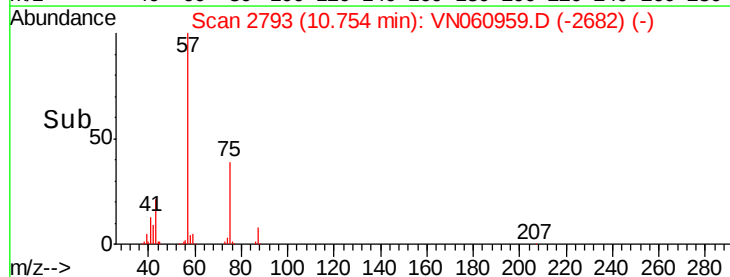
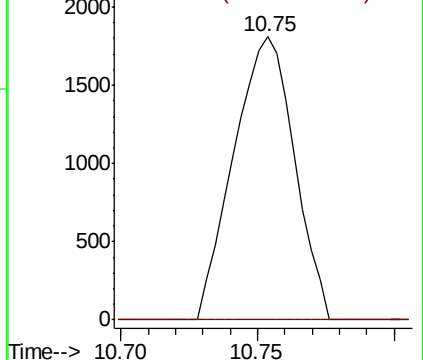
76 100

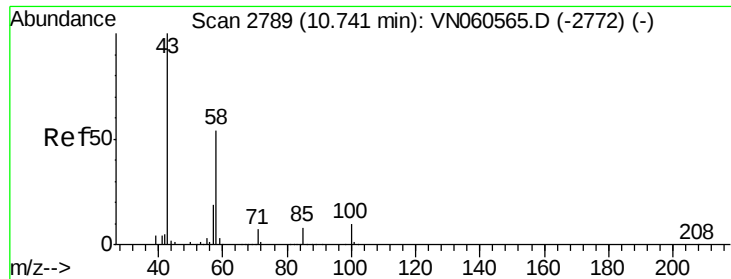
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

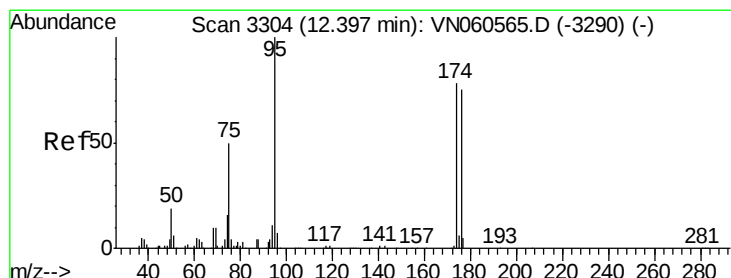
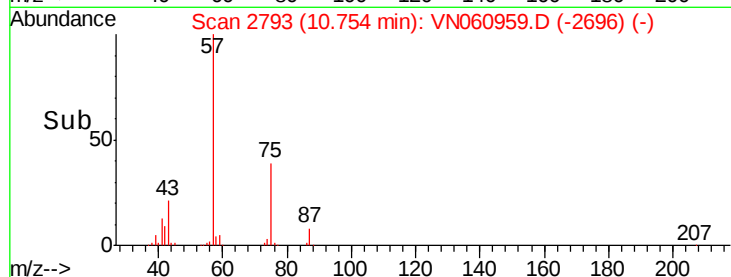
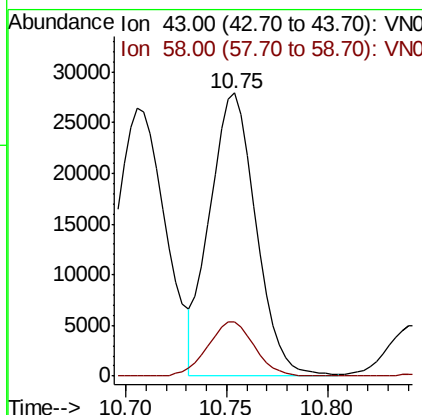
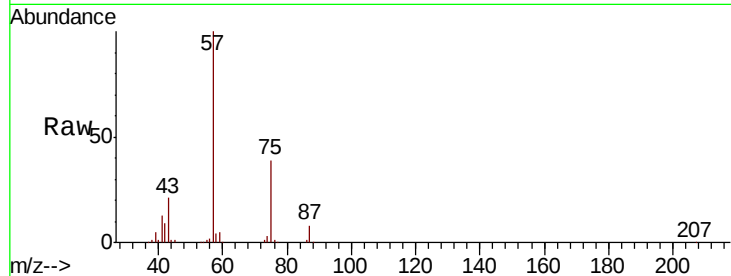




#59
2-Hexanone
Concen: 25.829 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060959.D
Acq: 15 Apr 2020 14:21

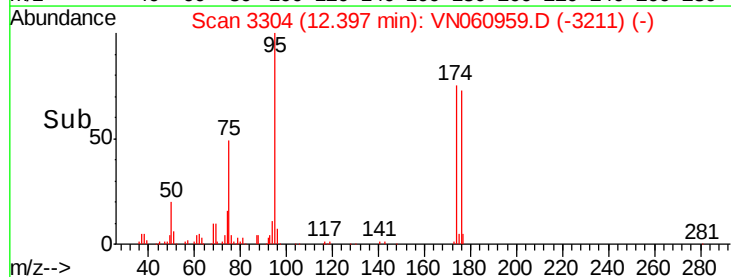
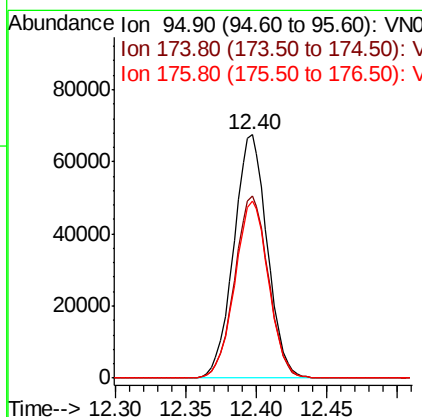
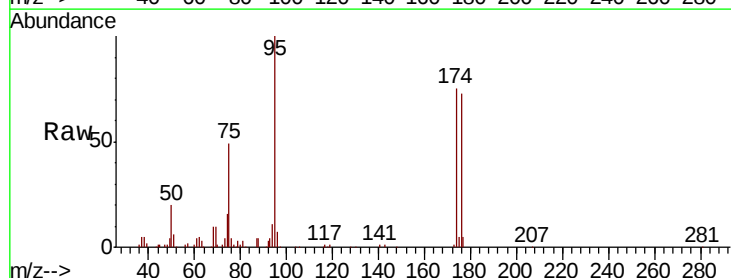
Instrument :
MSVOA_N
ClientSampleId :

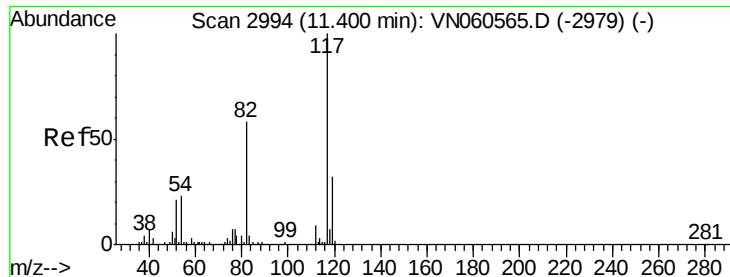
Tot Ion: 43 Resp: 44588
Ion Ratio Lower Upper
43 100
58 19.2 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 50.777 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060959.D
Acq: 15 Apr 2020 14:21

Tgt Ion: 95 Resp: 112176
Ion Ratio Lower Upper
95 100
174 75.5 0.0 157.6
176 73.2 0.0 150.6

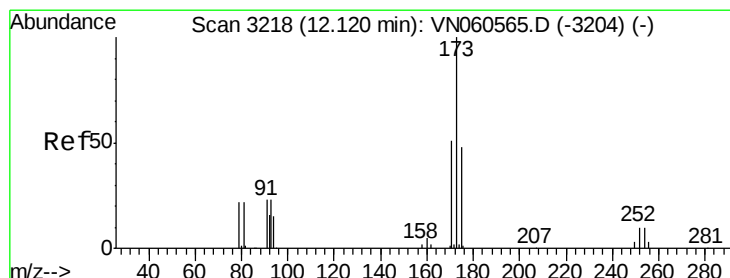
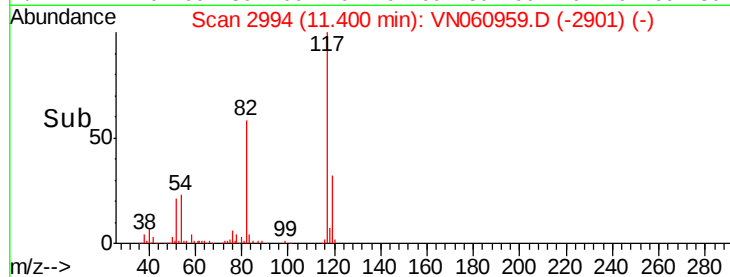
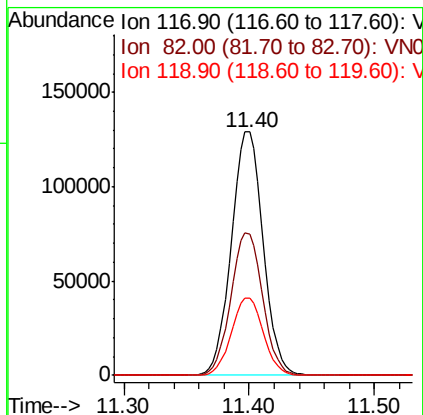
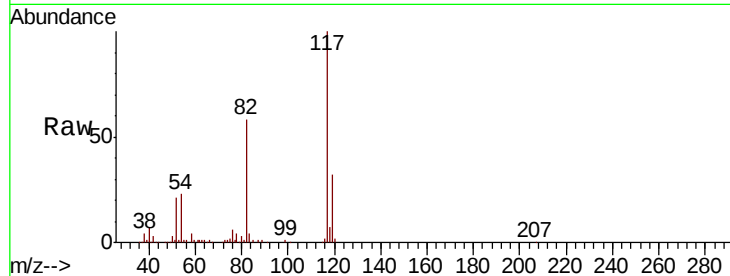




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060959.D
Acq: 15 Apr 2020 14:21

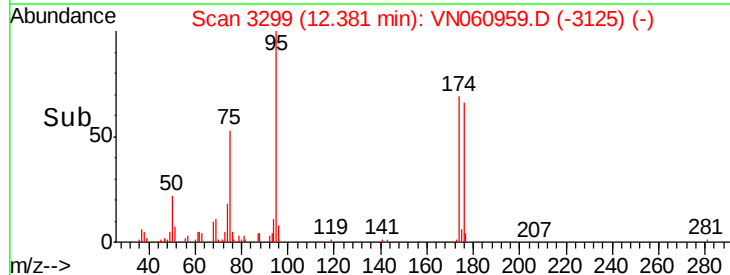
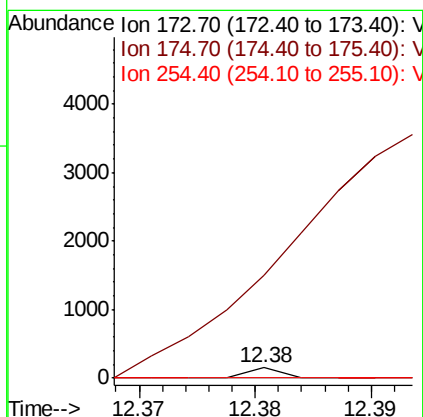
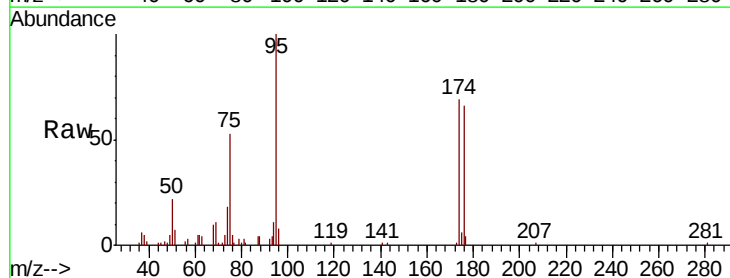
Instrument :
MSVOA_N
ClientSampleId :

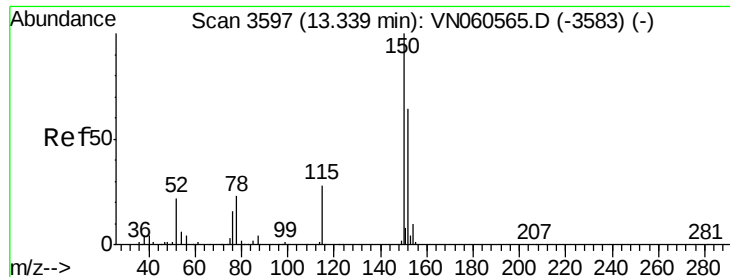
Tot Ion:117 Resp: 226818
Ion Ratio Lower Upper
117 100
82 57.9 46.7 70.1
119 31.9 25.5 38.3



#71
Bromoform
Concen: 1.701 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.26 min
Lab File: VN060959.D
Acq: 15 Apr 2020 14:21

Tgt Ion:173 Resp: 29
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0



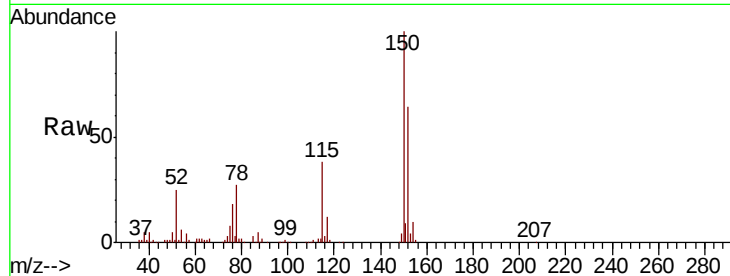


#72

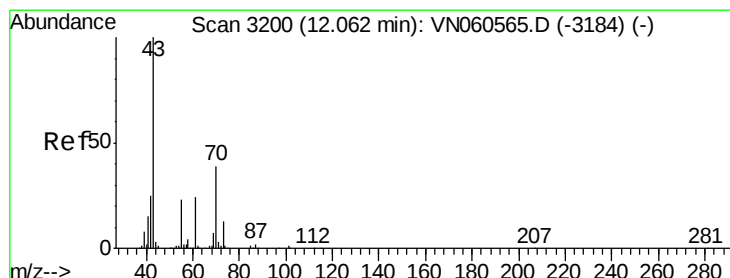
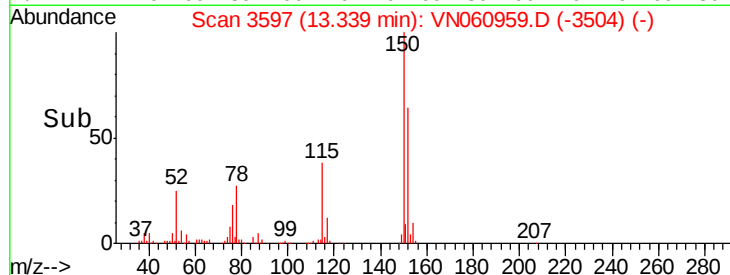
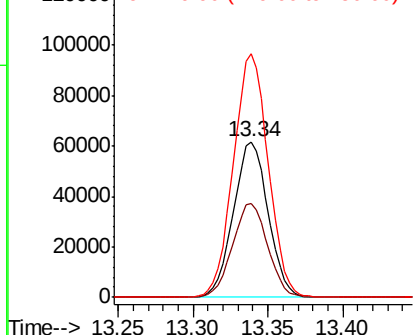
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060959.D
Acq: 15 Apr 2020 14:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 99873
Ion Ratio Lower Upper
152 100
115 60.7 30.2 90.6
150 156.7 0.0 350.2



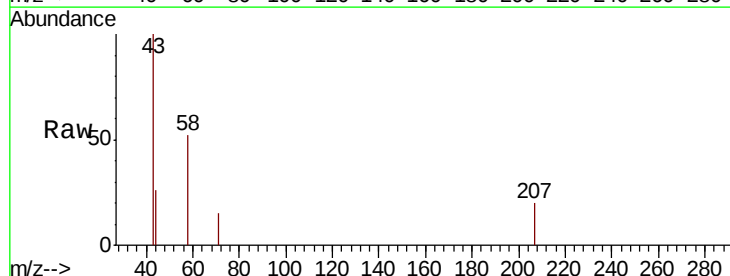
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



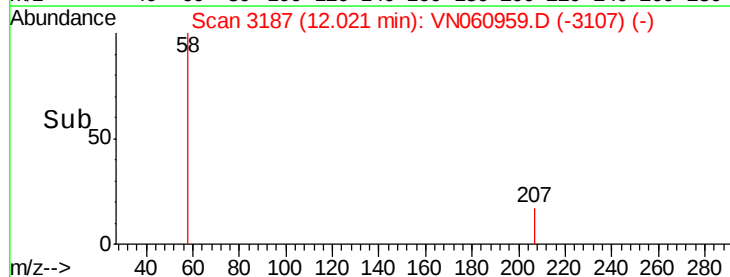
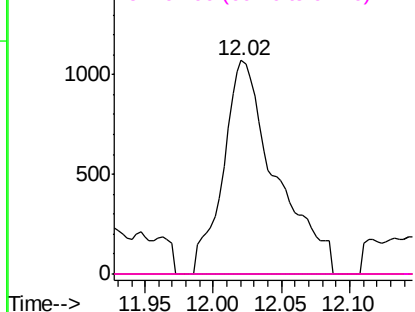
#74

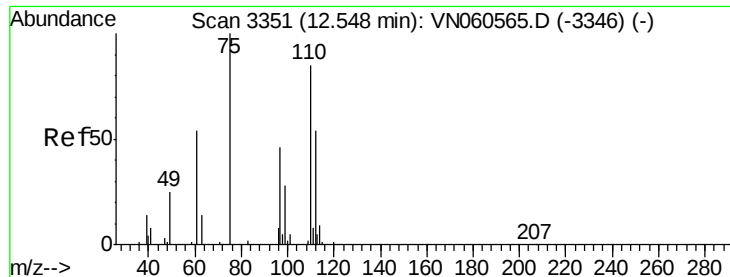
N-ethyl acetate
Concen: 0.828 ug/l
RT: 12.02 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VN060959.D
Acq: 15 Apr 2020 14:21

Tgt Ion: 43 Resp: 2868
Ion Ratio Lower Upper
43 100
70 0.0 31.1 46.7#
55 0.0 18.6 27.8#
61 0.0 18.9 28.3#



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





#76

1,2,3-Trichloropropane

Concen: 26.152 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060959.D

Acq: 15 Apr 2020 14:21

Instrument :

MSVOA_N

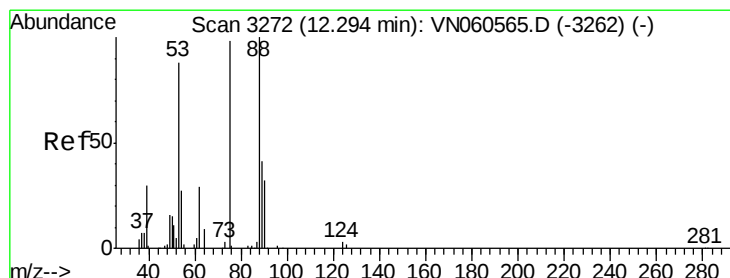
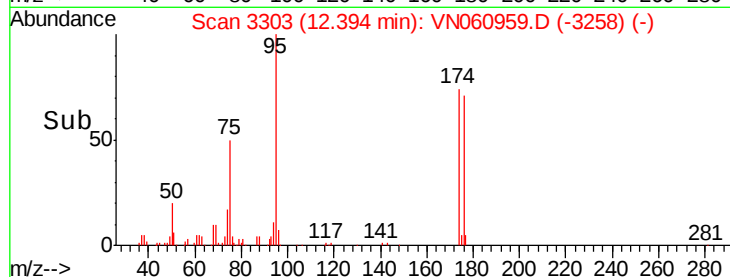
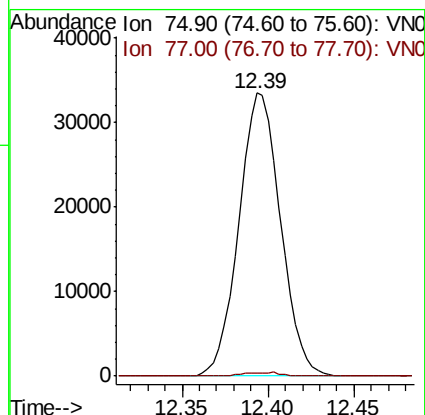
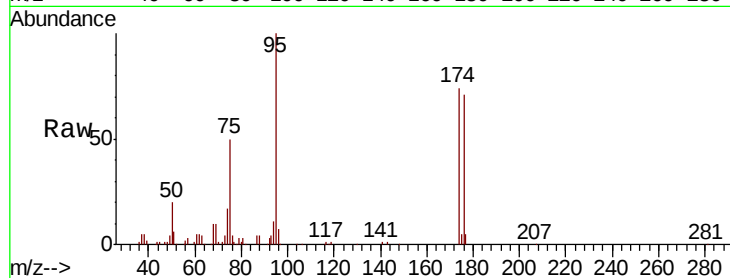
ClientSampleId :

Tot Ion: 75 Resp: 56358

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.165 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060959.D

Acq: 15 Apr 2020 14:21

Tgt Ion: 75 Resp: 56358

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

