

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040820\
 Data File : VN060898.D
 Acq On : 8 Apr 2020 14:09
 Operator : JC/MD
 Sample : PB128091ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 09 08:26:53 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	198887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	332477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	314235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137813	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	130128	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
35) Dibromofluoromethane	7.57	113	99692	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	10.08	98	414255	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	152344	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	

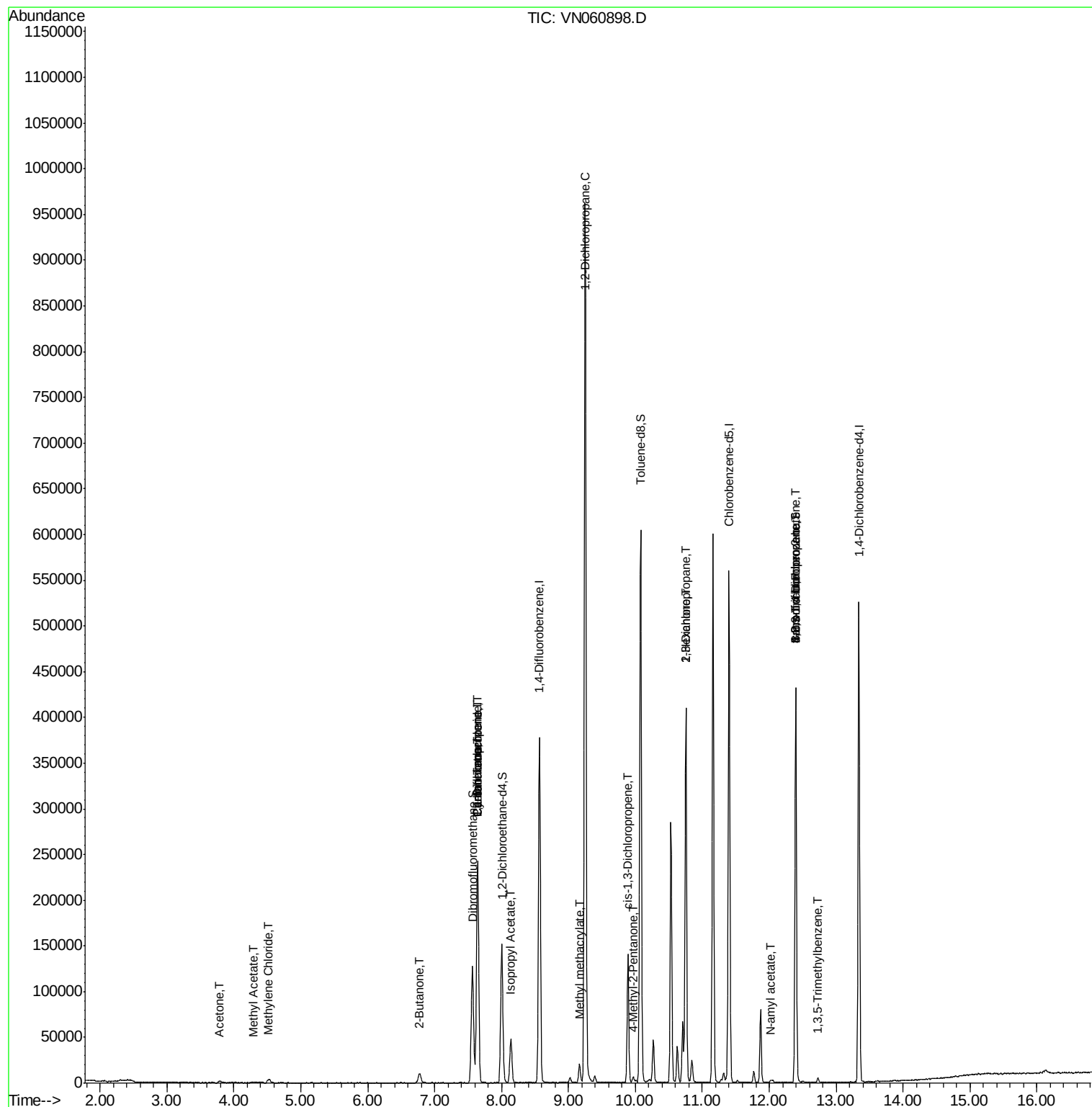
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3564	3.685	ug/l #	88
18) Methyl Acetate	4.29	43	1606	0.590	ug/l #	58
20) Methylene Chloride	4.53	84	2966	1.247	ug/l	86
25) 2-Butanone	6.77	43	344	0.220	ug/l #	50
31) Cyclohexane	7.64	56	4081	0.928	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15641	4.858	ug/l #	46
38) Carbon Tetrachloride	7.64	117	19437	6.736	ug/l #	15
43) Isopropyl Acetate	8.14	43	58609	10.216	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1113	0.434	ug/l #	43
48) Methyl methacrylate	9.16	41	2906	1.138	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	5042	1.544	ug/l #	81
54) cis-1,3-Dichloropropene	9.89	75	24971	6.151	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3886	0.992	ug/l #	42
59) 2-Hexanone	10.75	43	60609	25.773	ug/l #	52
71) Bromoform	12.40	173	398	1.886	ug/l #	1
74) N-amyl acetate	12.02	43	3400	0.711	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	76269	25.648	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3123	0.356	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	76269	65.871	ug/l #	13

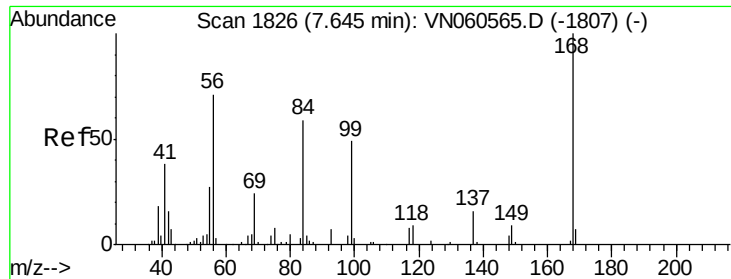
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060898.D

Acq: 8 Apr 2020 14:09

Instrument :

MSVOA_N

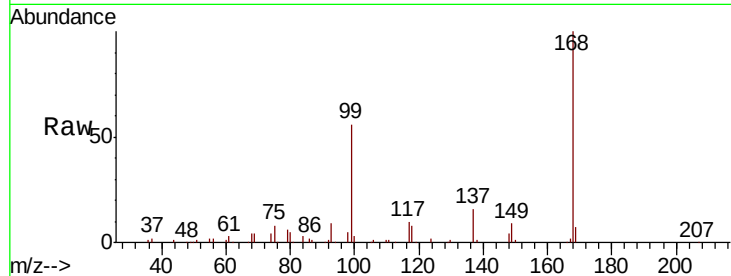
ClientSampleId :

Tot Ion:168 Resp: 198887

Ion Ratio Lower Upper

168 100

99 55.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060898.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060898.D (-1733) (-)

7.64

80000

60000

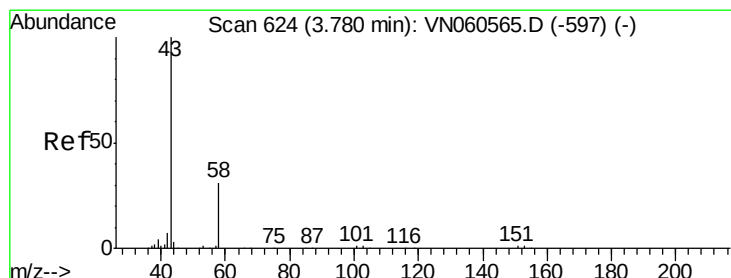
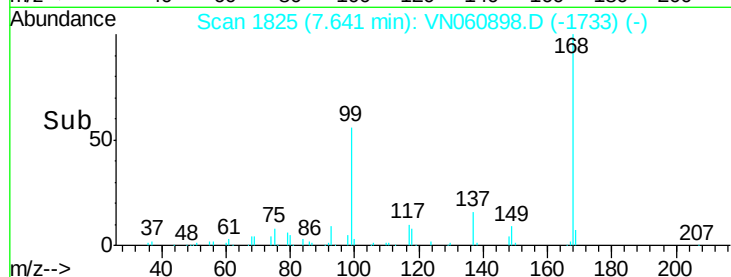
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 3.685 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060898.D

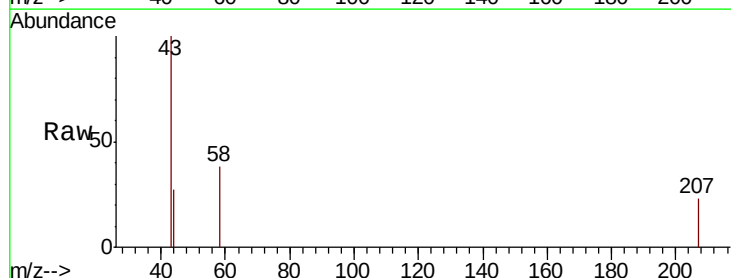
Acq: 8 Apr 2020 14:09

Tgt Ion: 43 Resp: 3564

Ion Ratio Lower Upper

43 100

58 38.2 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VN060898.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060898.D (-531) (-)

3.79

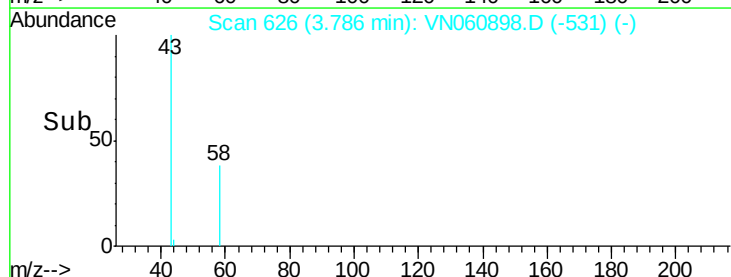
1000

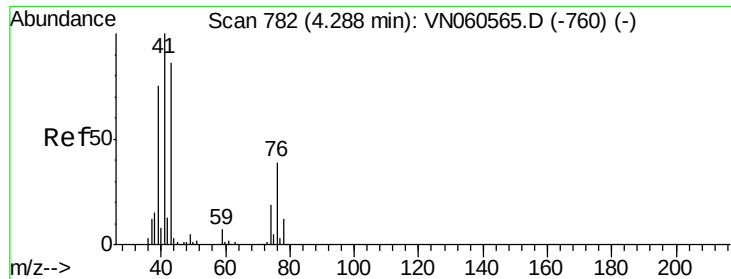
500

0

3.70 3.75 3.80 3.85

Time-->

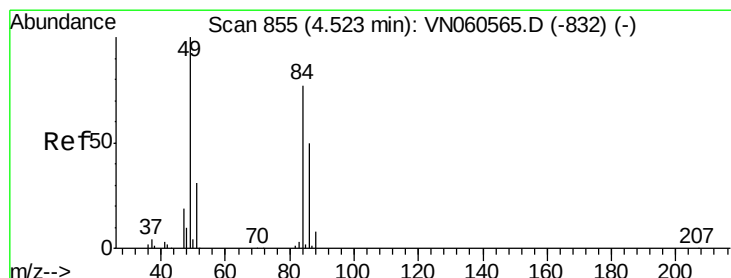
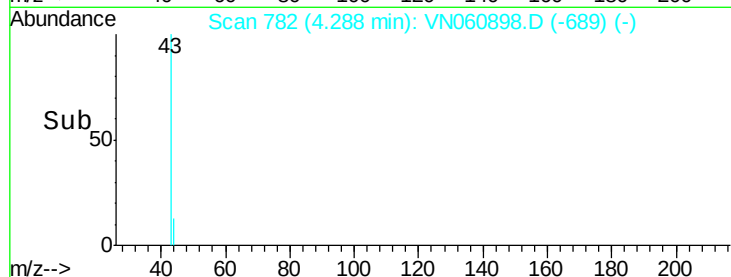
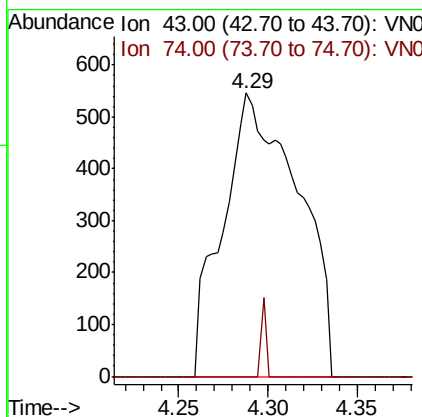
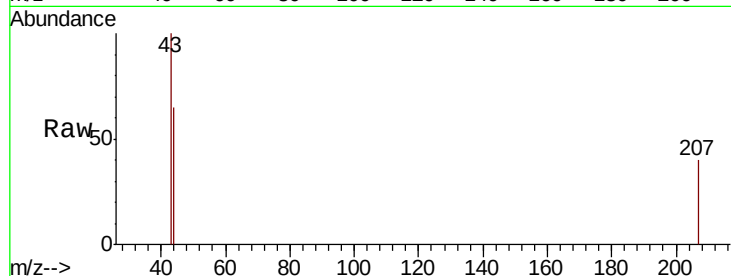




#18
Methvl Acetate
Concen: 0.590 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060898.D
Acq: 8 Apr 2020 14:09

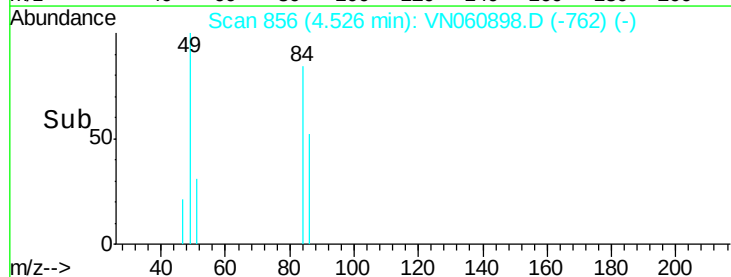
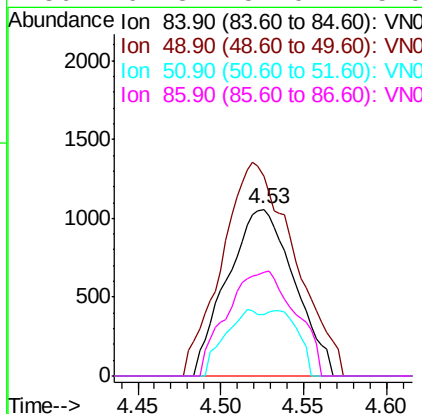
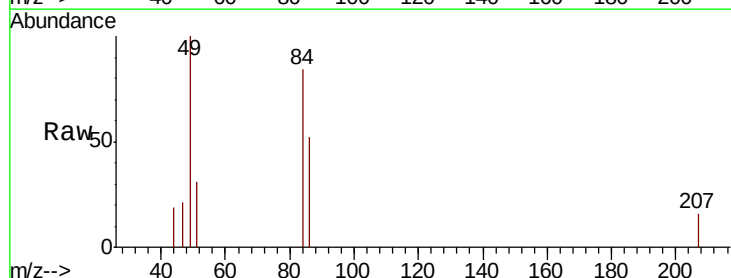
Instrument :
MSVOA_N
ClientSampleId :

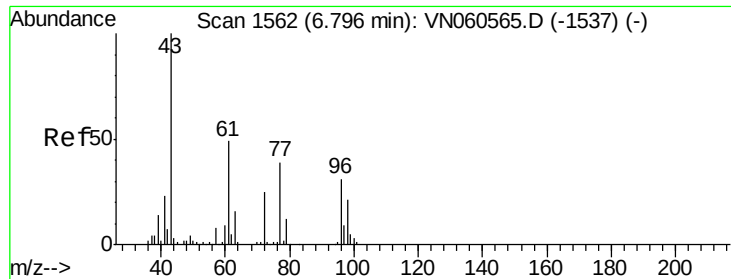
Tot Ion: 43 Resp: 1606
Ion Ratio Lower Upper
43 100
74 1.8 17.5 26.3#



#20
Methylene Chloride
Concen: 1.247 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060898.D
Acq: 8 Apr 2020 14:09

Tgt Ion: 84 Resp: 2966
Ion Ratio Lower Upper
84 100
49 104.5 103.3 154.9
51 36.6 31.6 47.4
86 62.3 52.0 78.0





#25

2-Butanone

Concen: 0.220 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.02 min

Lab File: VN060898.D

Acq: 8 Apr 2020 14:09

Instrument :

MSVOA_N

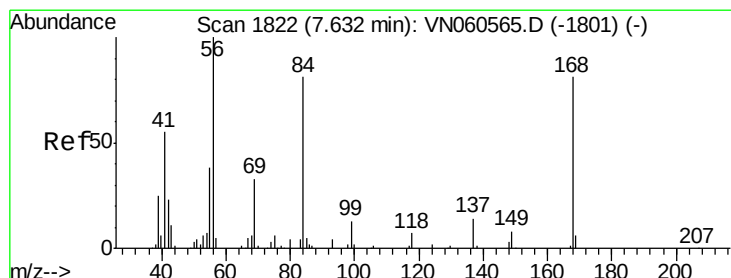
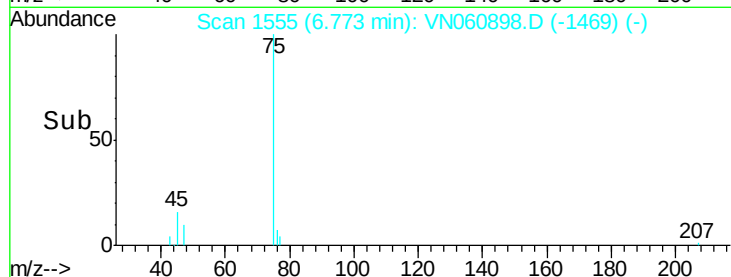
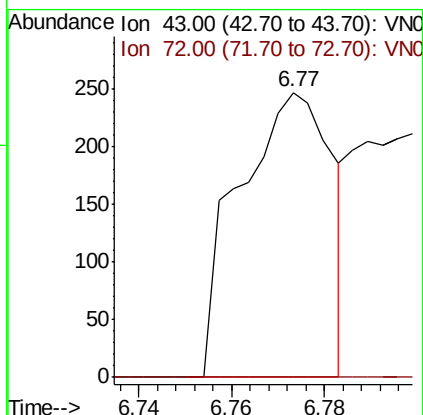
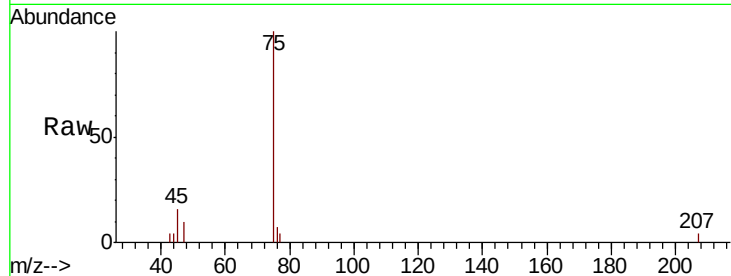
ClientSampled :

Tot Ion: 43 Resp: 344

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



#31

Cyclohexane

Concen: 0.928 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060898.D

Acq: 8 Apr 2020 14:09

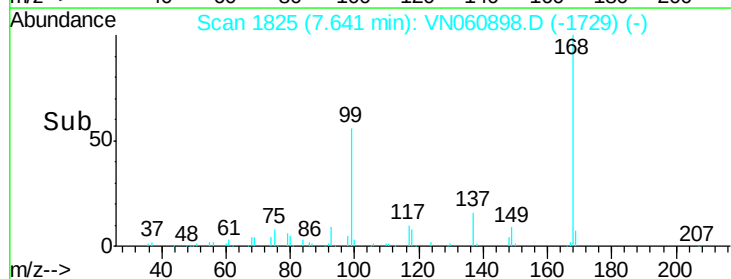
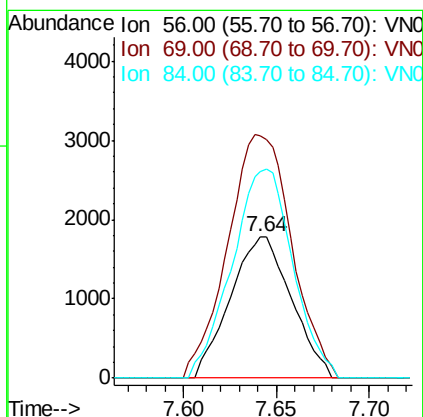
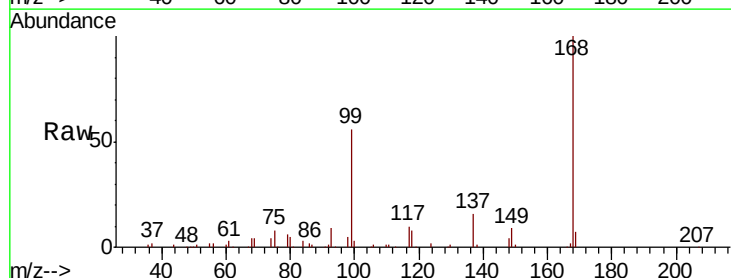
Tgt Ion: 56 Resp: 4081

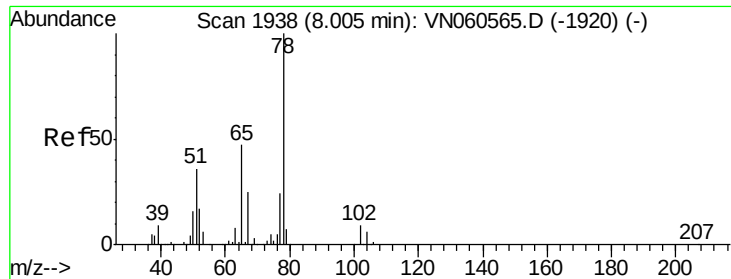
Ion Ratio Lower Upper

56 100

69 171.1 26.6 40.0#

84 146.4 64.3 96.5#

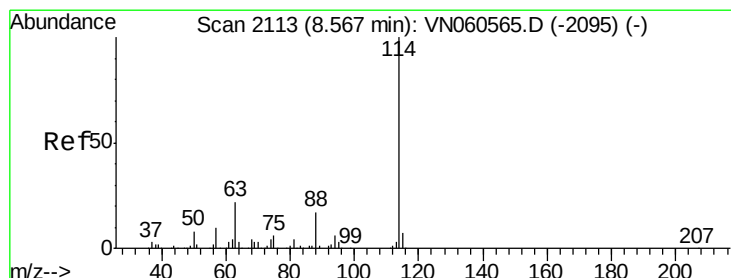
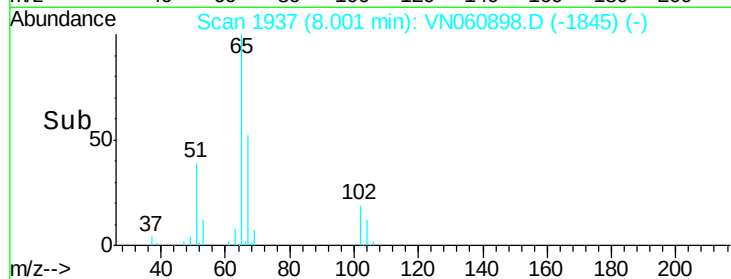
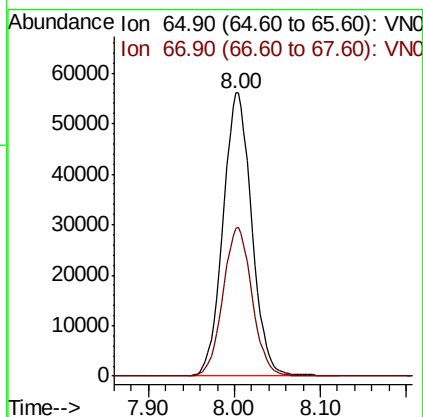
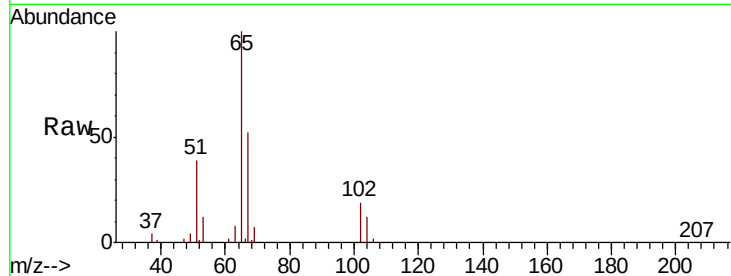




#33
 1,2-Dichloroethane-d4
 Concen: 47.661 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060898.D
 Acq: 8 Apr 2020 14:09

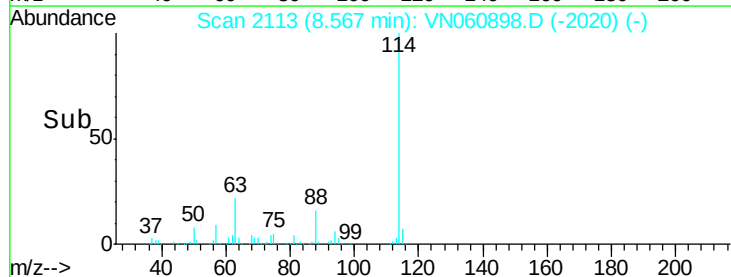
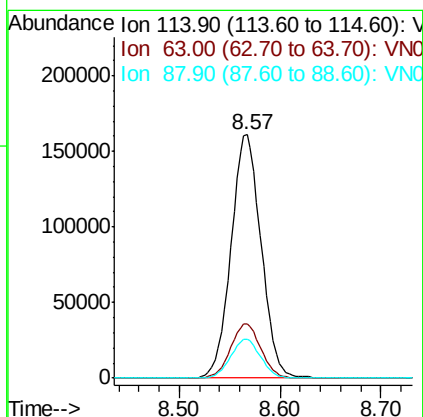
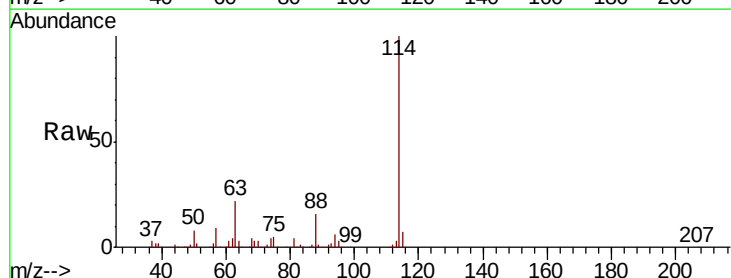
Instrument :
 MSVOA_N
 ClientSampleId :

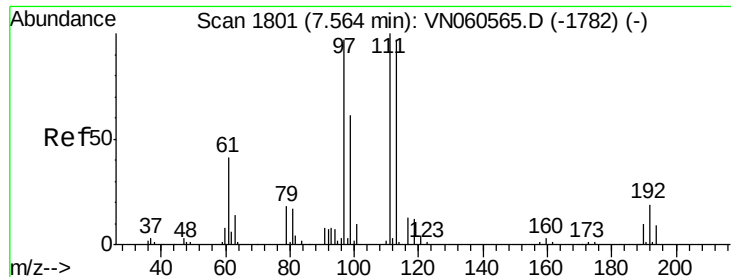
Tot Ion: 65 Resp: 130128
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060898.D
 Acq: 8 Apr 2020 14:09

Tgt Ion: 114 Resp: 332477
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.8
 88 16.0 0.0 33.0

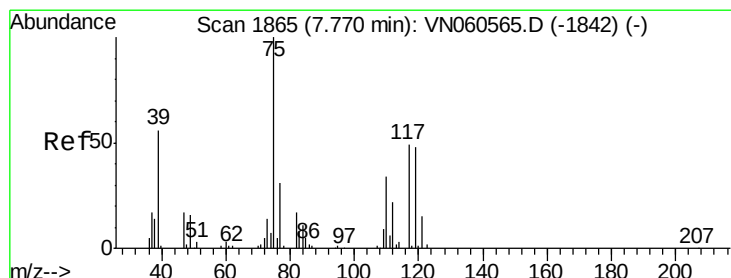
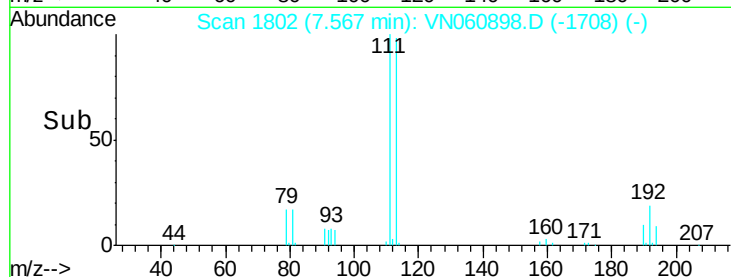
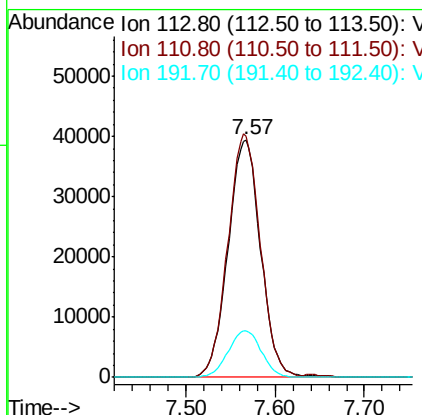
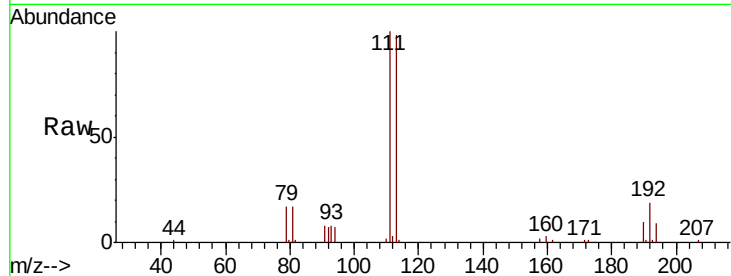




#35
 Dibromofluoromethane
 Concen: 49.589 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060898.D
 Acq: 8 Apr 2020 14:09

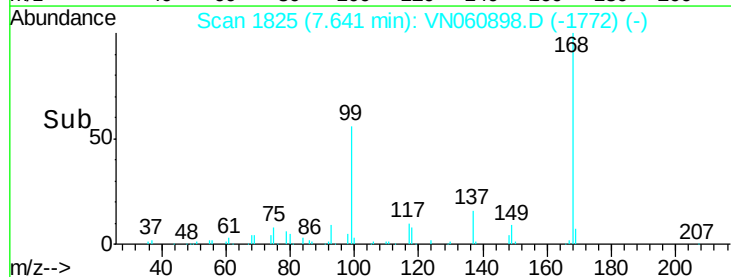
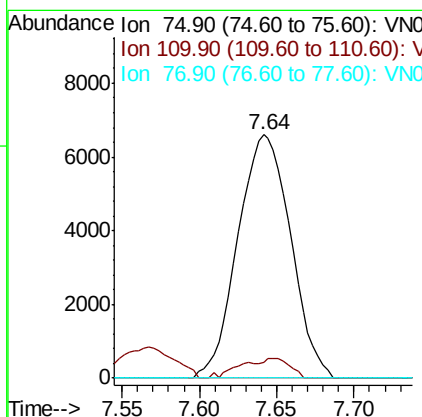
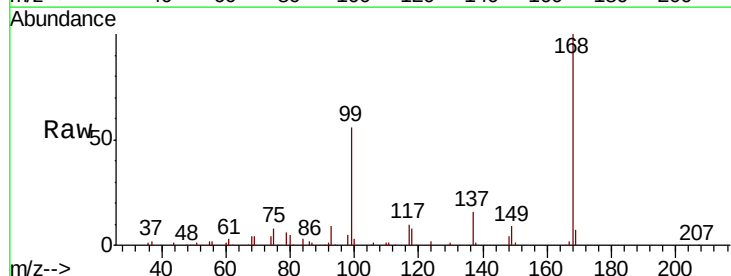
Instrument :
 MSVOA_N
 ClientSampled :

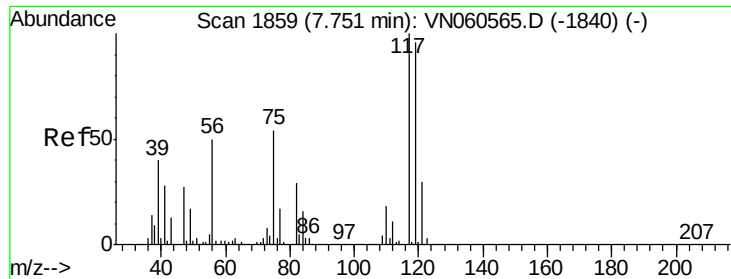
Tot Ion:113 Resp: 99692
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.9 124.3
 192 20.0 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.858 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060898.D
 Acq: 8 Apr 2020 14:09

Tgt Ion: 75 Resp: 15641
 Ion Ratio Lower Upper
 75 100
 110 4.1 16.9 50.6#
 77 0.0 24.6 36.8#

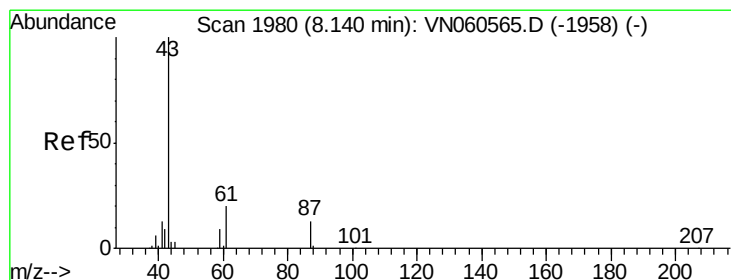
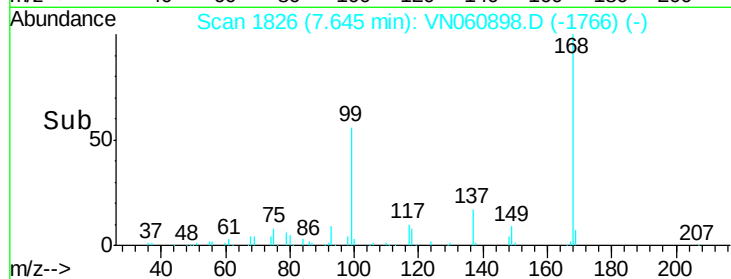
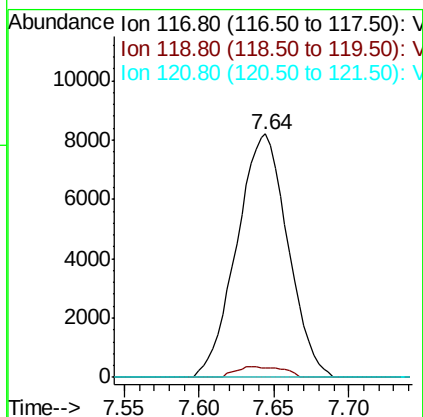
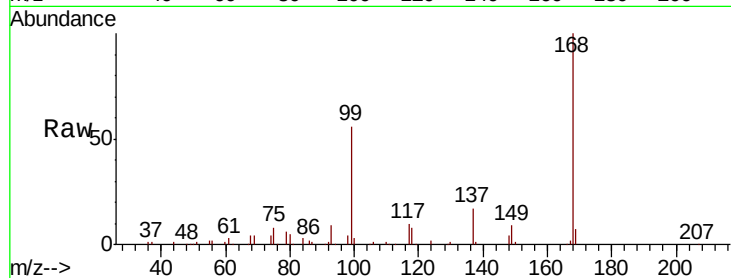




#38
Carbon Tetrachloride
Concen: 6.736 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060898.D
Acq: 8 Apr 2020 14:09

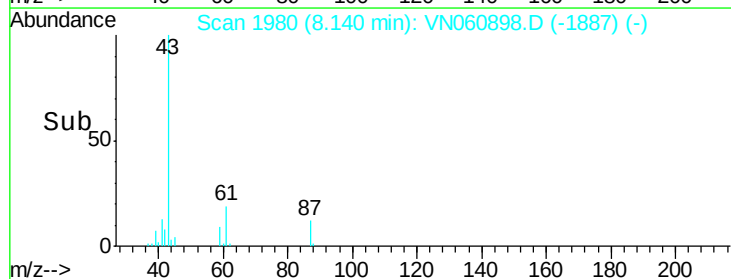
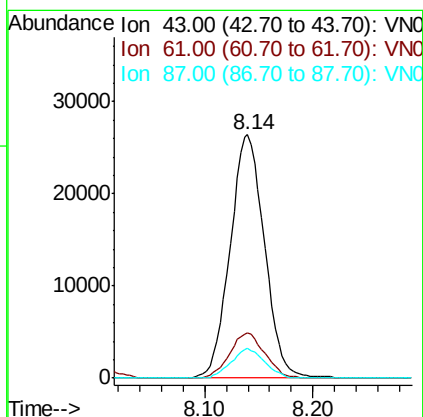
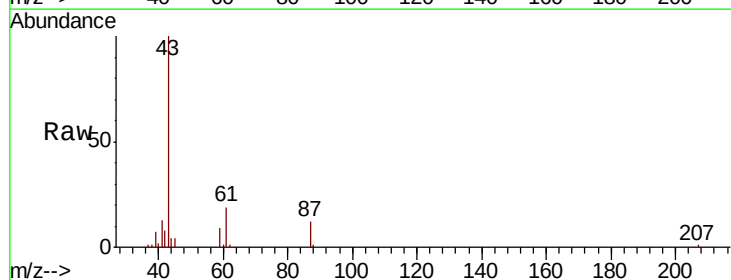
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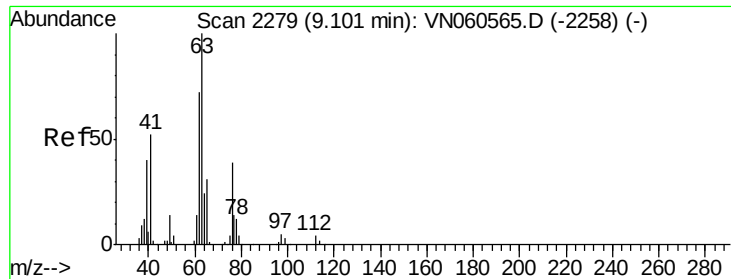
Tot Ion:117 Resp: 19437
Ion Ratio Lower Upper
117 100
119 3.9 76.2 114.2#
121 0.0 23.7 35.5#



#43
Isopropyl Acetate
Concen: 10.216 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060898.D
Acq: 8 Apr 2020 14:09

Tgt Ion: 43 Resp: 58609
Ion Ratio Lower Upper
43 100
61 18.7 20.7 31.1#
87 11.7 9.8 14.8

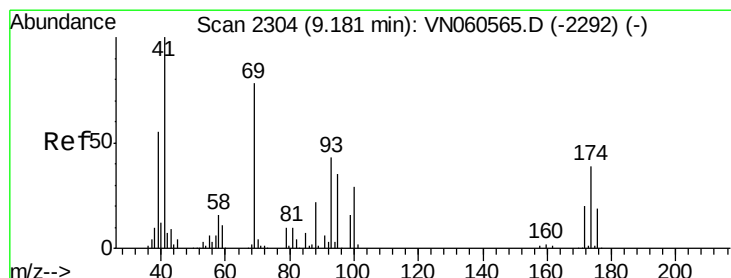
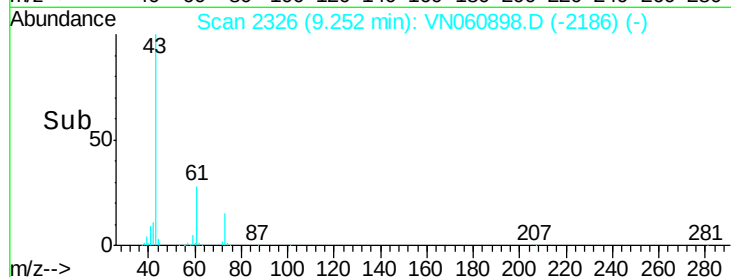
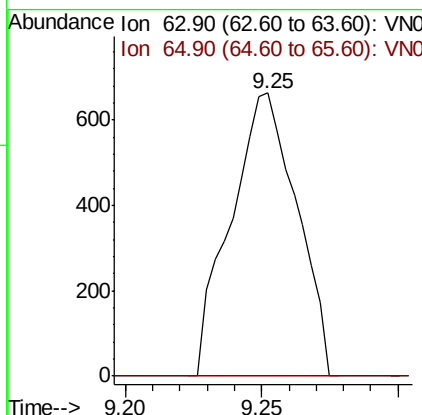
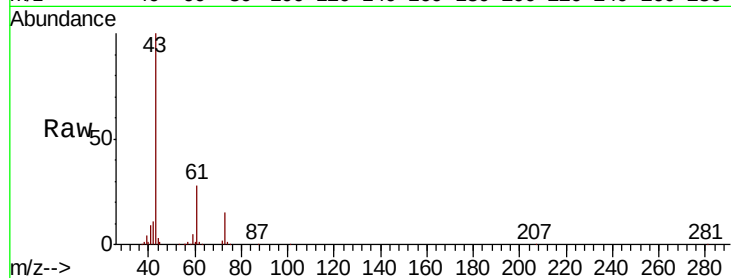




#45
 1,2-Dichloropropane
 Concen: 0.434 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN060898.D
 Acq: 8 Apr 2020 14:09

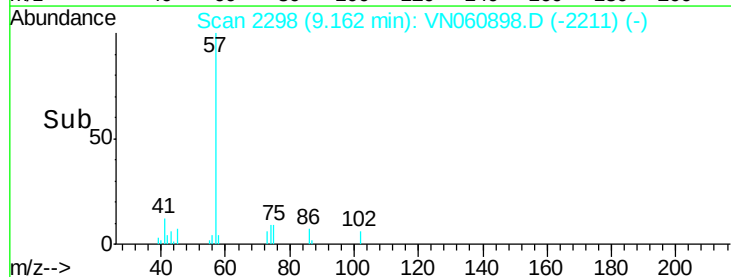
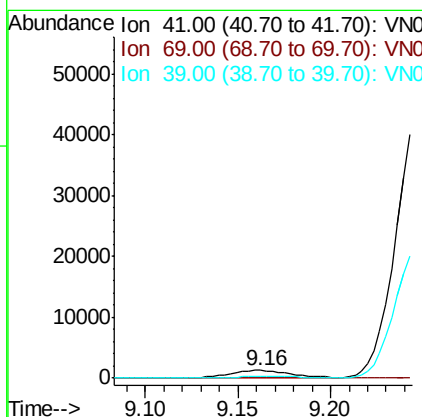
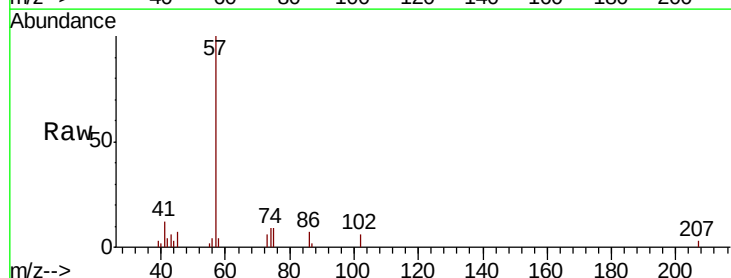
Instrument :
 MSVOA_N
 ClientSampleId :

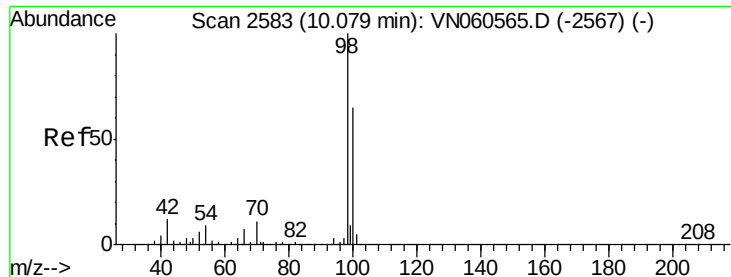
Tot Ion: 63 Resp: 1113
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.138 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN060898.D
 Acq: 8 Apr 2020 14:09

Tgt Ion: 41 Resp: 2906
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 50.447 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060898.D

Acq: 8 Apr 2020 14:09

Instrument :

MSVOA_N

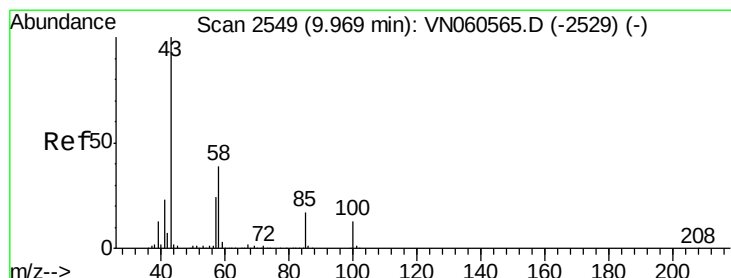
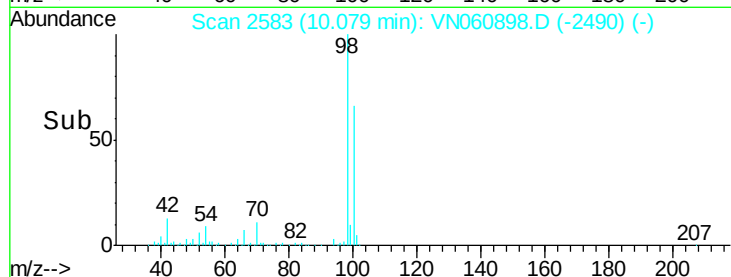
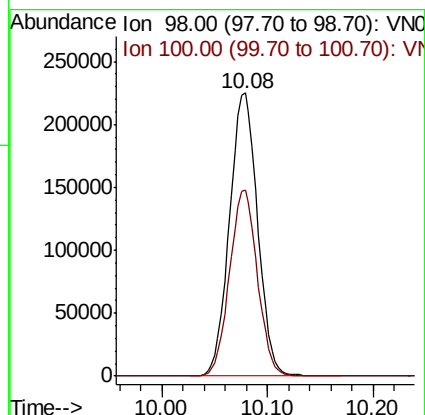
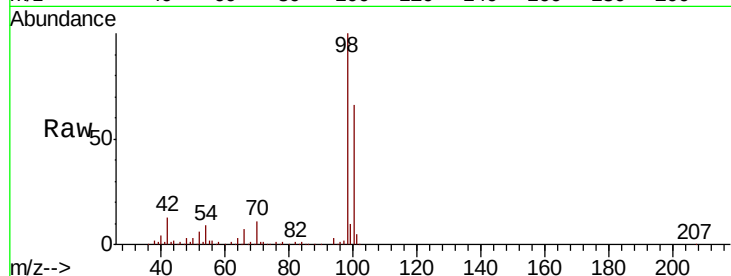
ClientSampled :

Tot Ion: 98 Resp: 414255

Ion Ratio Lower Upper

98 100

100 64.9 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.544 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060898.D

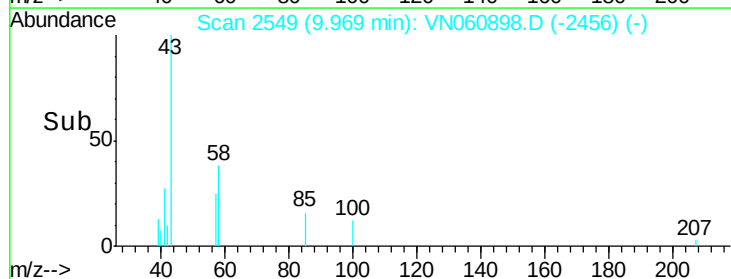
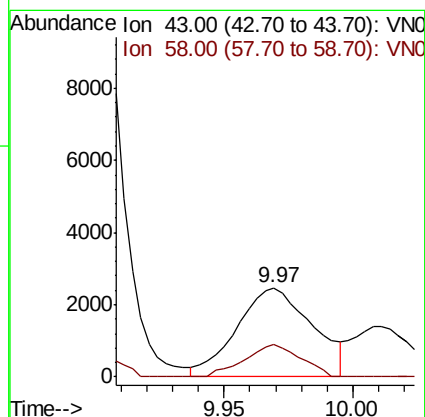
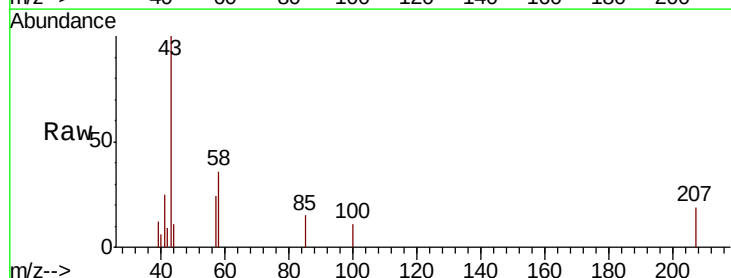
Acq: 8 Apr 2020 14:09

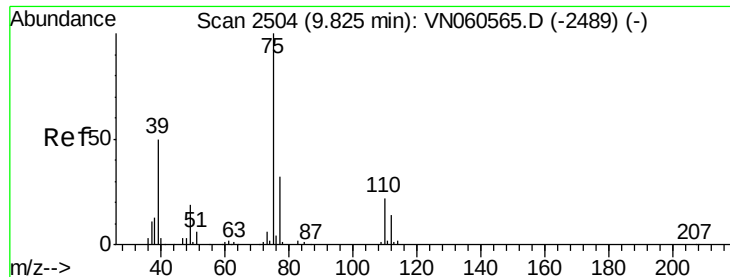
Tgt Ion: 43 Resp: 5042

Ion Ratio Lower Upper

43 100

58 27.2 30.8 46.2#





#54

cis-1,3-Dichloropropene

Concen: 6.151 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060898.D

Acq: 8 Apr 2020 14:09

Instrument :

MSVOA_N

ClientSampleId :

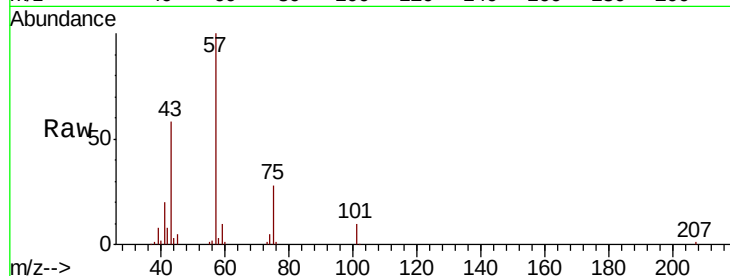
Tot Ion: 75 Resp: 24971

Ion Ratio Lower Upper

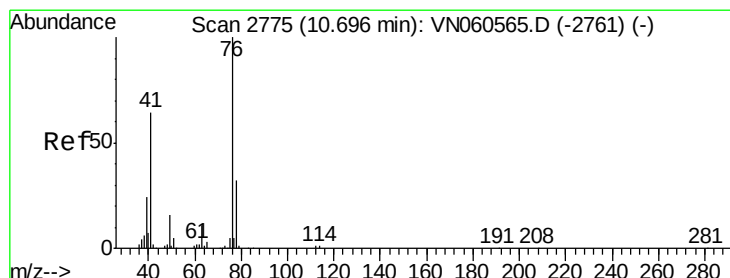
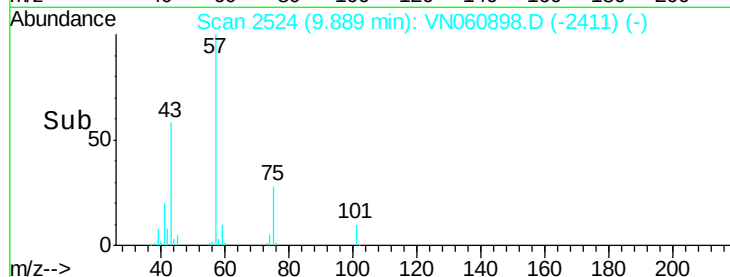
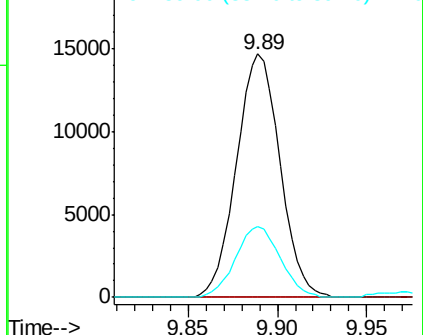
75 100

77 0.0 25.4 38.0#

39 29.0 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: 0.992 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060898.D

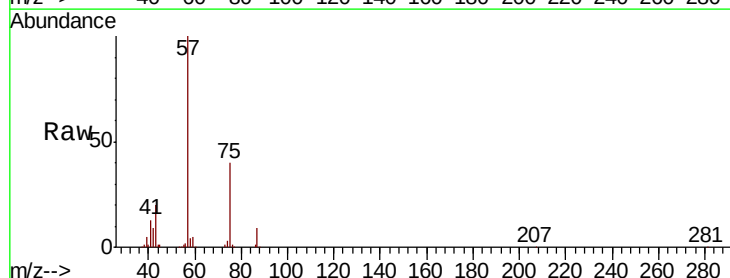
Acq: 8 Apr 2020 14:09

Tgt Ion: 76 Resp: 3886

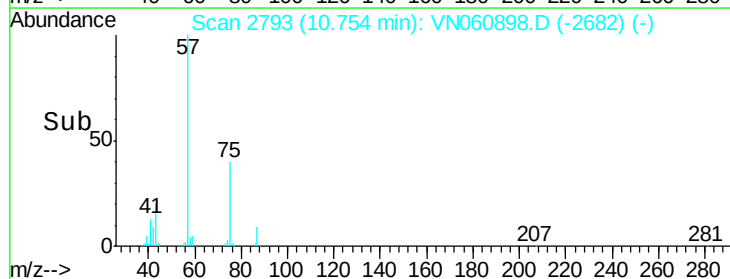
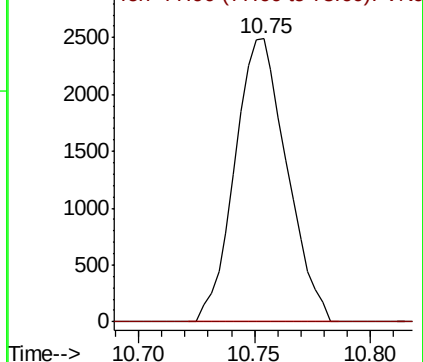
Ion Ratio Lower Upper

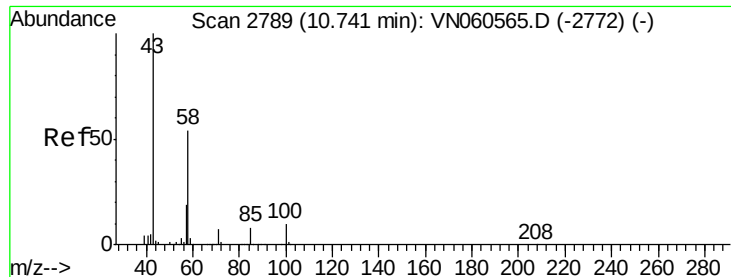
76 100

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

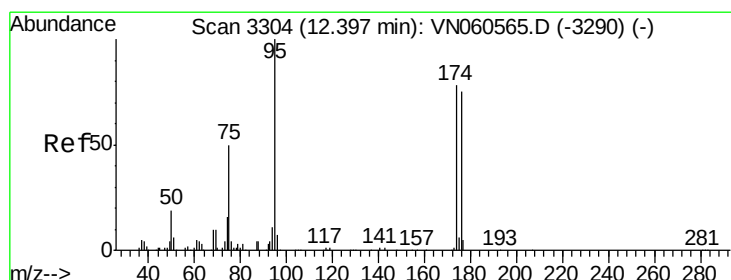
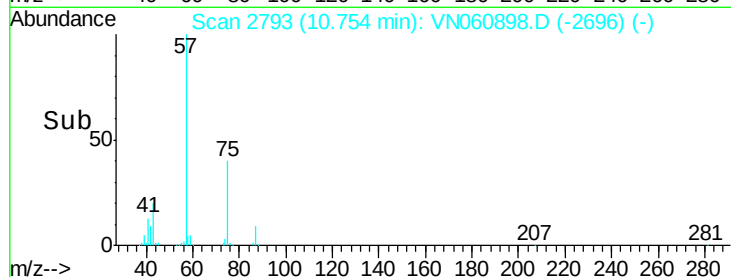
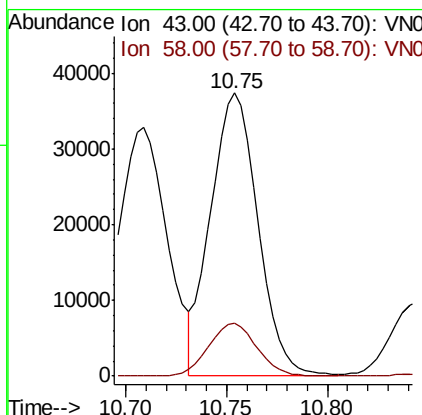
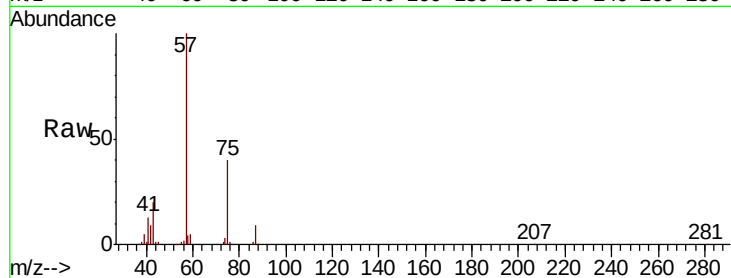




#59
2-Hexanone
Concen: 25.773 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060898.D
Acq: 8 Apr 2020 14:09

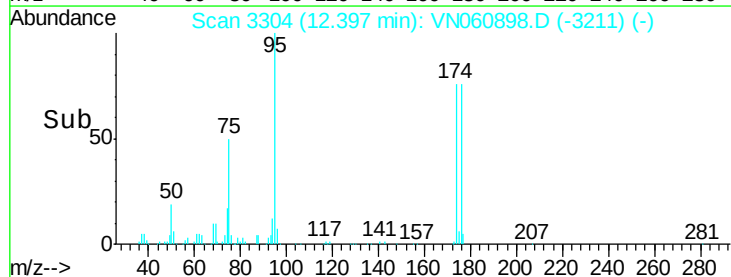
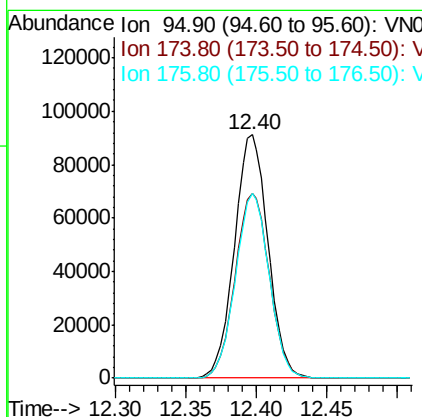
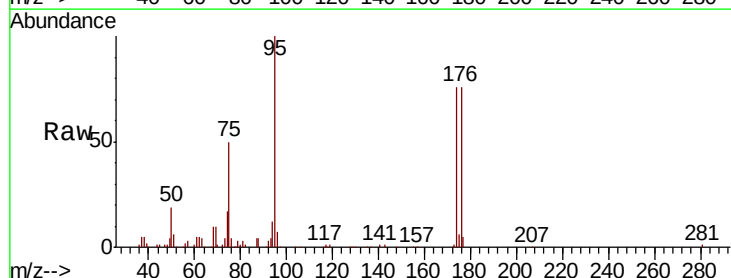
Instrument :
MSVOA_N
ClientSampleId :

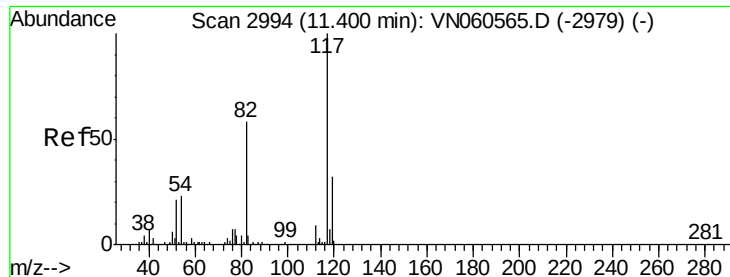
Tot Ion: 43 Resp: 60609
Ion Ratio Lower Upper
43 100
58 19.2 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 50.622 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060898.D
Acq: 8 Apr 2020 14:09

Tgt Ion: 95 Resp: 152344
Ion Ratio Lower Upper
95 100
174 77.3 0.0 157.6
176 76.1 0.0 150.6

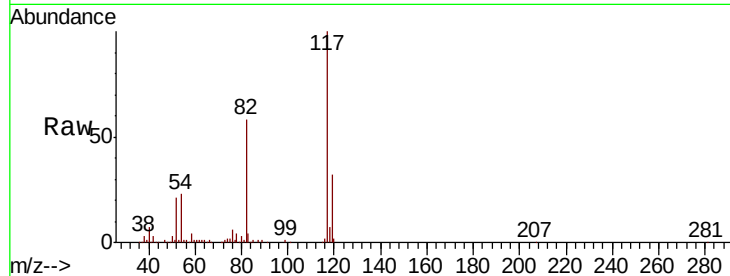




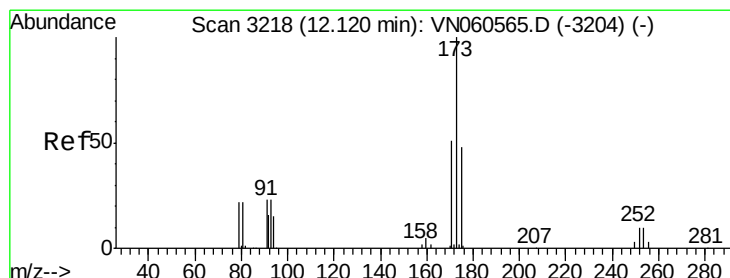
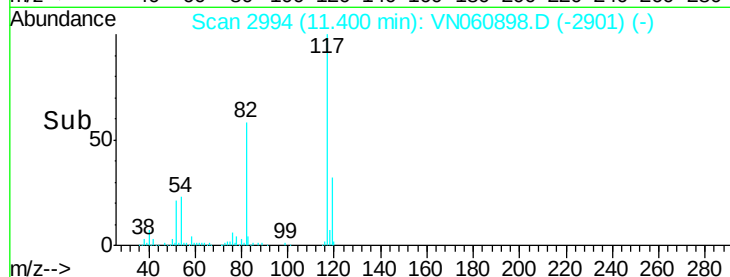
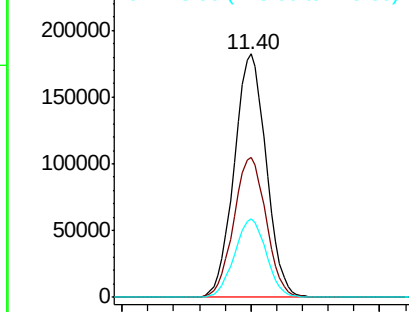
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060898.D
Acq: 8 Apr 2020 14:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 314235
Ion Ratio Lower Upper
117 100
82 57.6 46.7 70.1
119 32.1 25.5 38.3

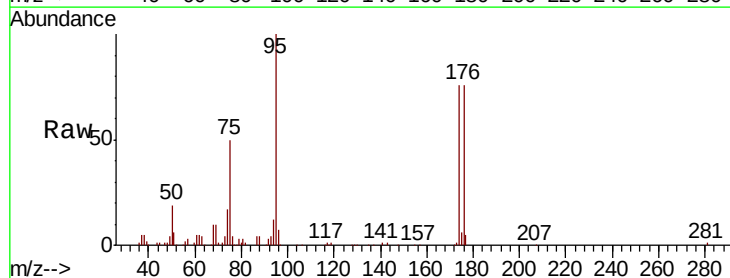


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

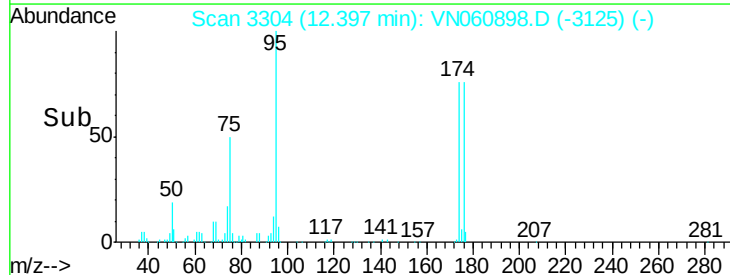
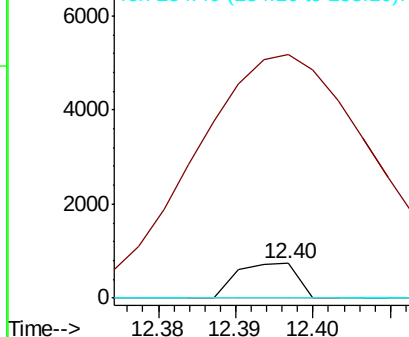


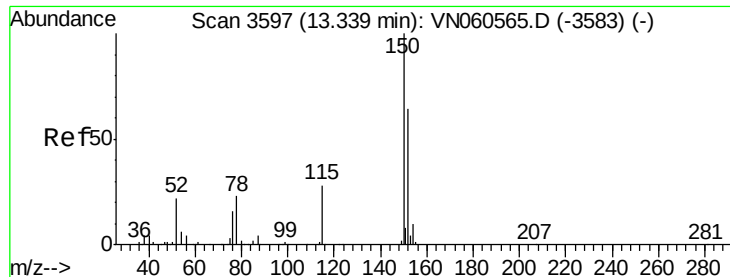
#71
Bromoform
Concen: 1.886 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060898.D
Acq: 8 Apr 2020 14:09

Tgt Ion:173 Resp: 398
Ion Ratio Lower Upper
173 100
175 1841.0 24.1 72.4#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060898.D

Acq: 8 Apr 2020 14:09

Instrument :

MSVOA_N

ClientSampleId :

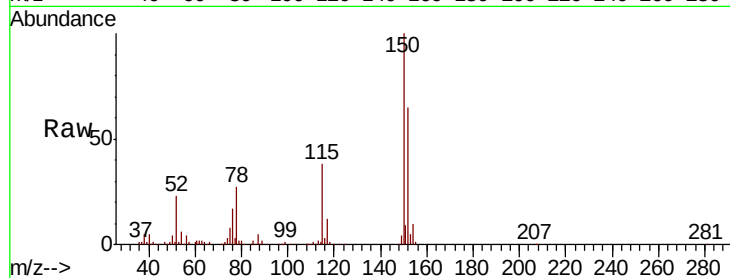
Tot Ion:152 Resp: 137813

Ion Ratio Lower Upper

152 100

115 59.9 30.2 90.6

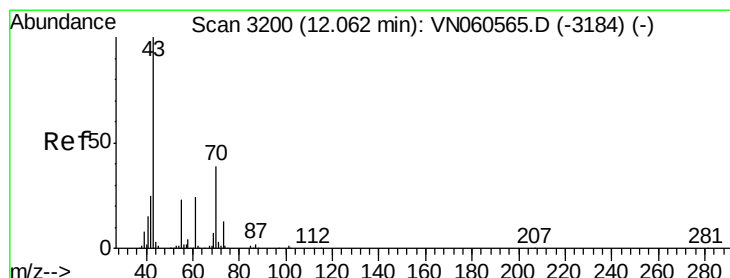
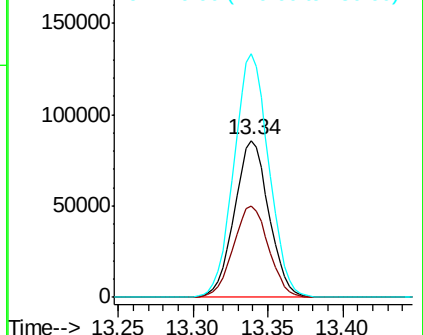
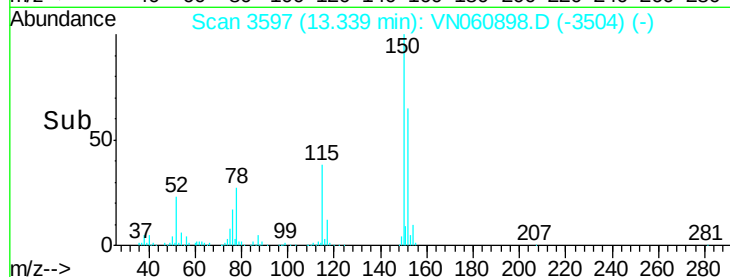
150 157.2 0.0 350.2



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: 0.711 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060898.D

Acq: 8 Apr 2020 14:09

Tgt Ion: 43 Resp: 3400

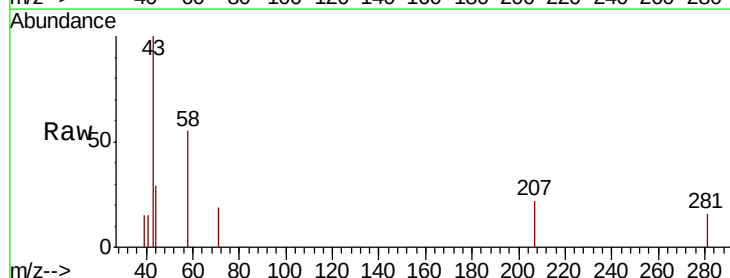
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

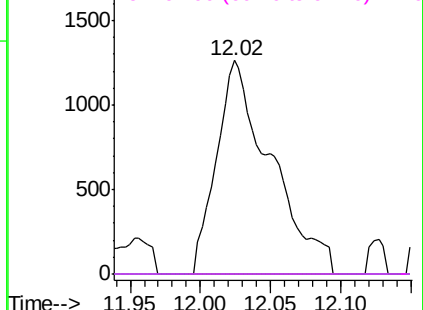
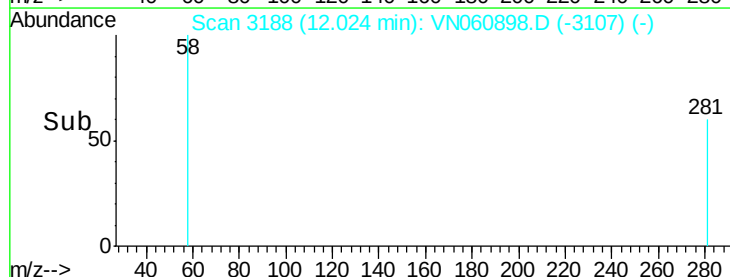


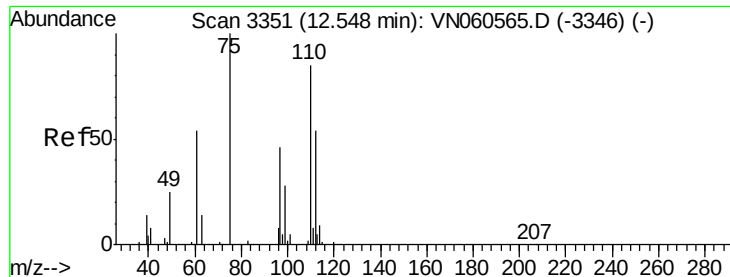
Abundance Ion 43.00 (42.70 to 43.70): V

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: 25.648 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060898.D

Acq: 8 Apr 2020 14:09

Instrument :

MSVOA_N

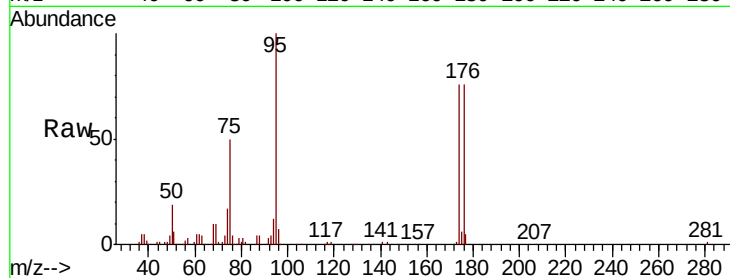
ClientSampled :

Tot Ion: 75 Resp: 76269

Ion Ratio Lower Upper

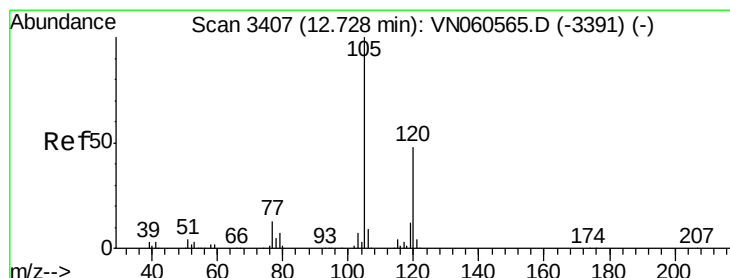
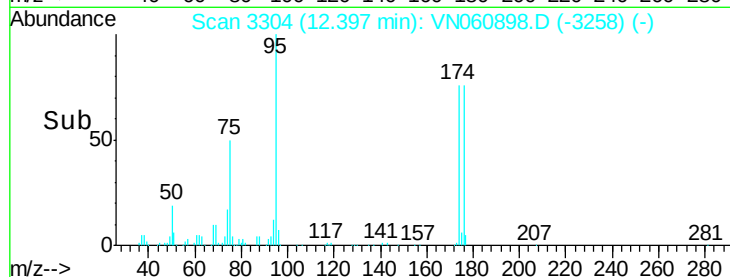
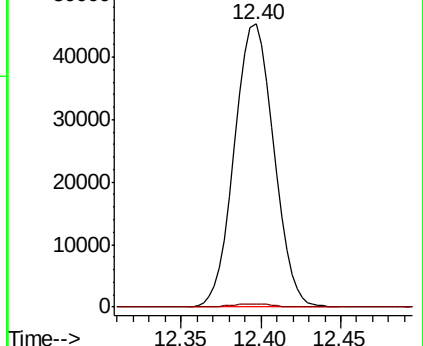
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 0.356 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060898.D

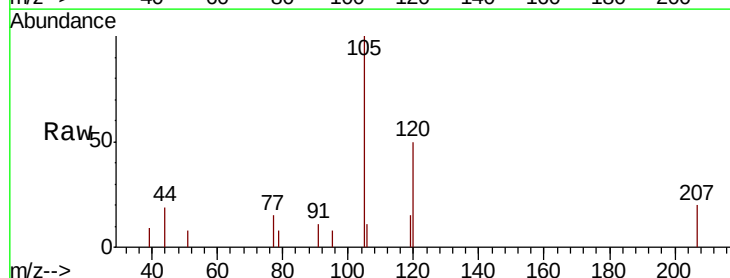
Acq: 8 Apr 2020 14:09

Tgt Ion:105 Resp: 3123

Ion Ratio Lower Upper

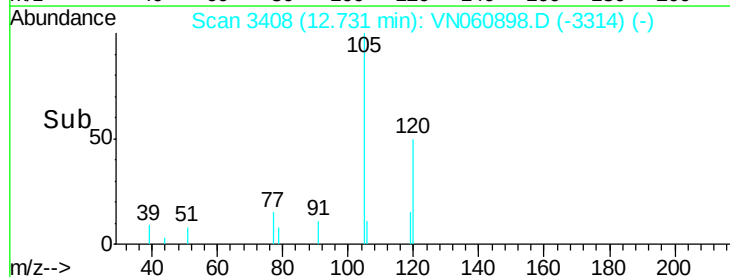
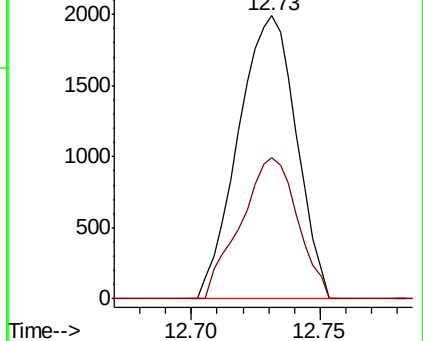
105 100

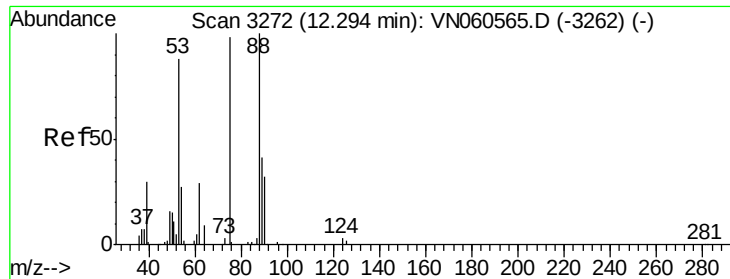
120 48.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.871 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060898.D
 Acq: 8 Apr 2020 14:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 76269
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

