

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033120\
 Data File : VN060800.D
 Acq On : 31 Mar 2020 20:37
 Operator : JC/MD
 Sample : PB127897ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 08:26:12 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	199634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	335065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147889	50.00	ug/l	0.00

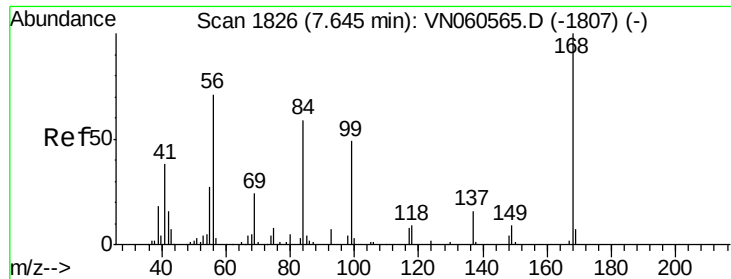
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	130637	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	7.56	113	99850	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	10.08	98	414590	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.40	95	158665	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	

Target Compounds

					Qvalue	
16) Acetone	3.79	43	6310	6.500	ug/l	97
18) Methyl Acetate	4.29	43	1060	0.388	ug/l #	66
20) Methylene Chloride	4.52	84	2902	1.215	ug/l	95
25) 2-Butanone	6.79	43	1341	0.854	ug/l #	50
31) Cyclohexane	7.64	56	4207	0.953	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15556	4.795	ug/l #	50
37) Ethyl Acetate	6.79	43	1341	0.383	ug/l #	79
38) Carbon Tetrachloride	7.64	117	19272	6.628	ug/l #	15
43) Isopropyl Acetate	8.14	43	63821	11.039	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	1287	0.498	ug/l #	43
48) Methyl methacrylate	9.16	41	3371	1.310	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	5321	1.617	ug/l #	86
54) cis-1,3-Dichloropropene	9.89	75	27072	6.617	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	4412	1.117	ug/l #	42
59) 2-Hexanone	10.75	43	65363	27.580	ug/l #	51
71) Bromoform	12.40	173	633	2.004	ug/l #	1
74) N-amyl acetate	12.02	43	3518	0.686	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	79954	25.055	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3389	0.360	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	79954	64.349	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060800.D

Acq: 31 Mar 2020 20:37

Instrument :

MSVOA_N

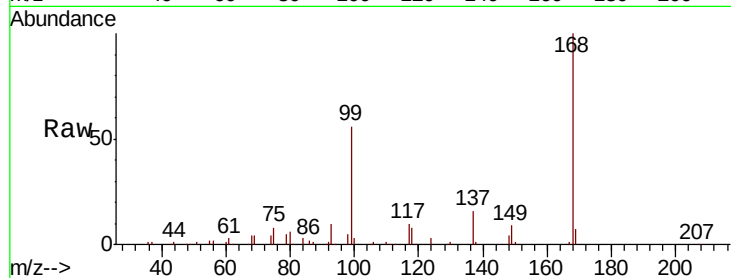
ClientSampleId :

Tot Ion:168 Resp: 199634

Ion Ratio Lower Upper

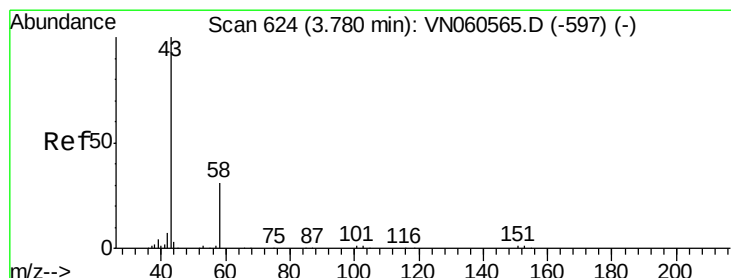
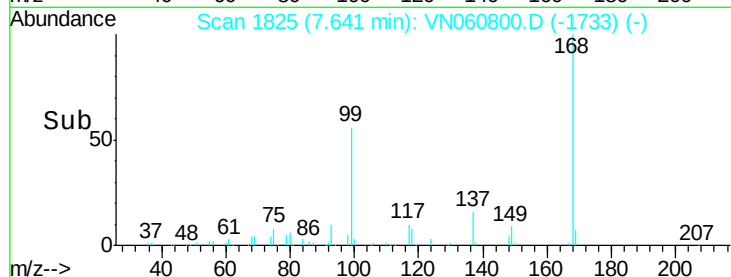
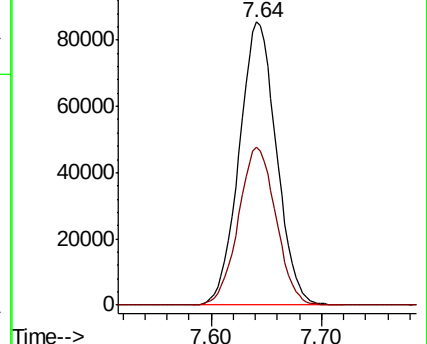
168 100

99 55.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 6.500 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060800.D

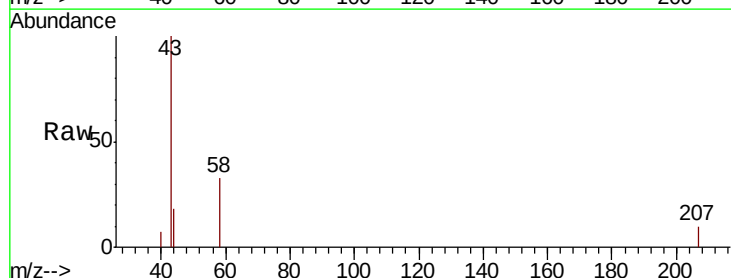
Acq: 31 Mar 2020 20:37

Tgt Ion: 43 Resp: 6310

Ion Ratio Lower Upper

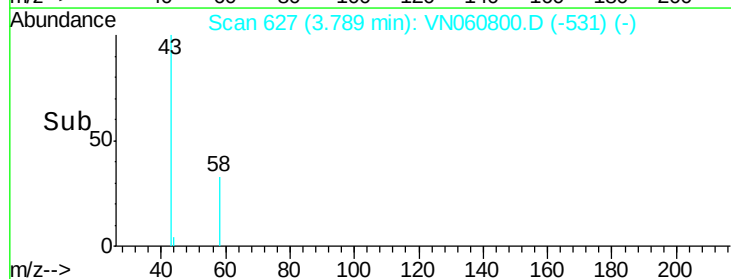
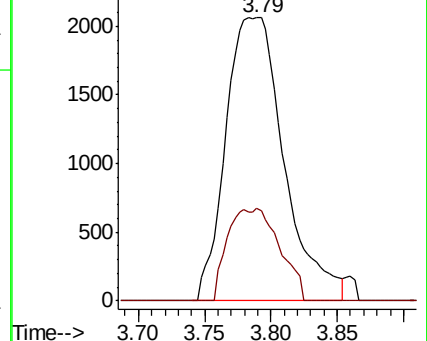
43 100

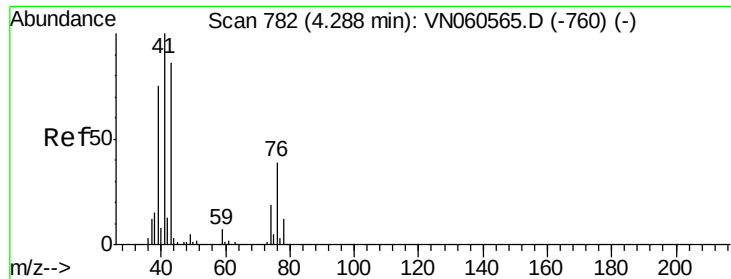
58 32.8 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

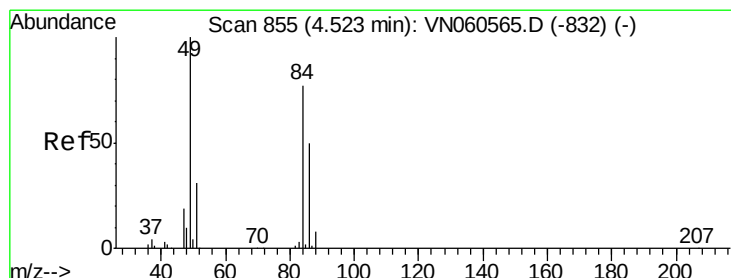
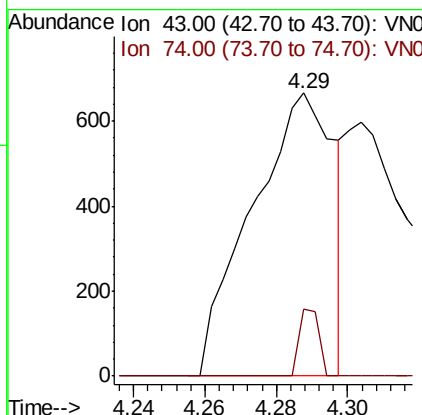
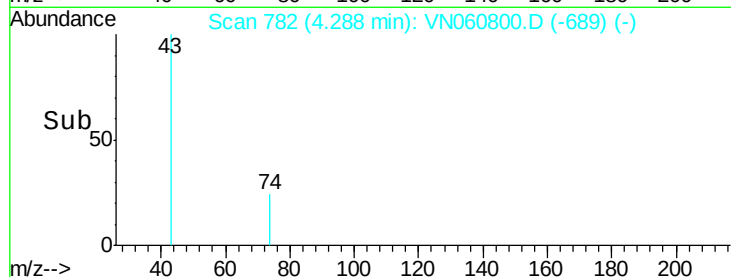
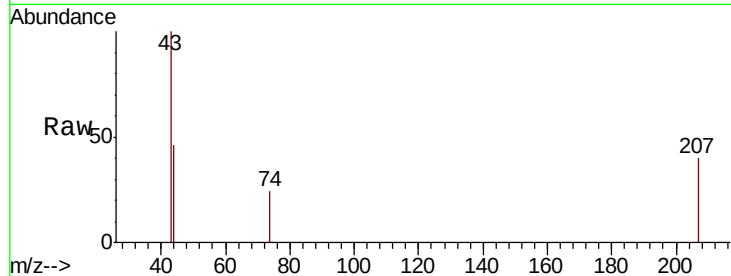




#18
Methyl Acetate
Concen: 0.388 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060800.D
Acq: 31 Mar 2020 20:37

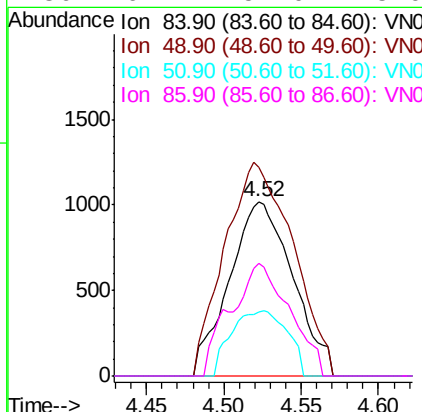
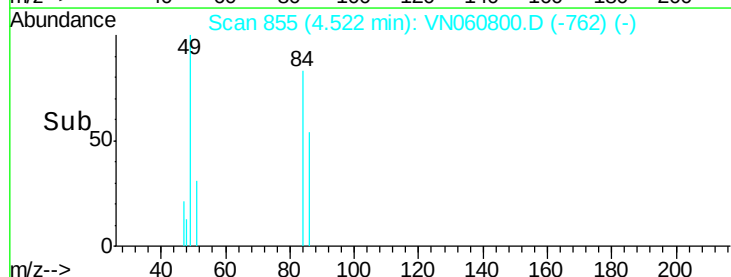
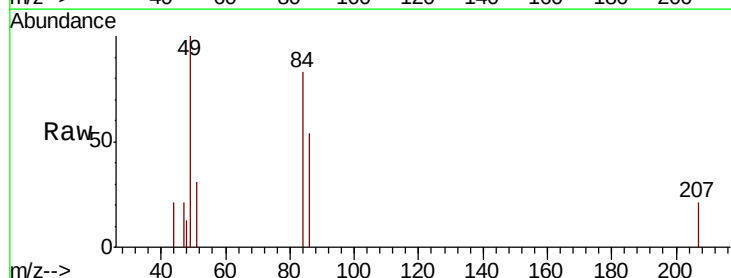
Instrument :
MSVOA_N
ClientSampleId :

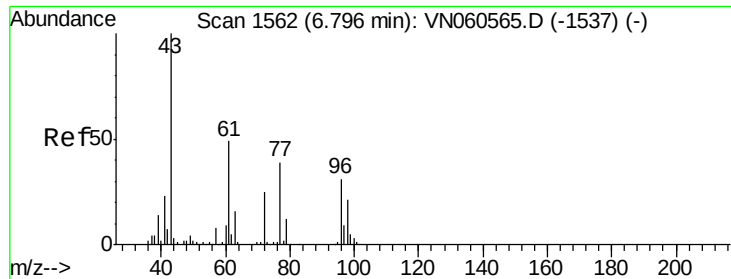
Tot Ion: 43 Resp: 1060
Ion Ratio Lower Upper
43 100
74 5.7 17.5 26.3#



#20
Methylene Chloride
Concen: 1.215 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060800.D
Acq: 31 Mar 2020 20:37

Tgt Ion: 84 Resp: 2902
Ion Ratio Lower Upper
84 100
49 120.0 103.3 154.9
51 36.9 31.6 47.4
86 64.7 52.0 78.0

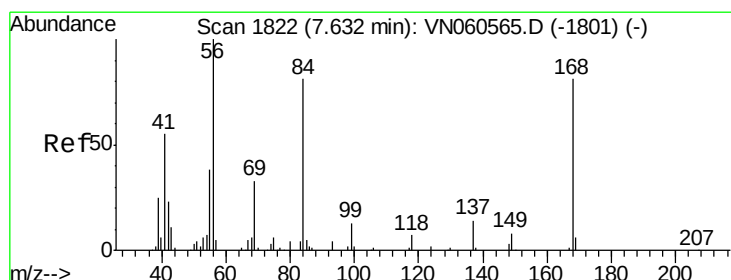
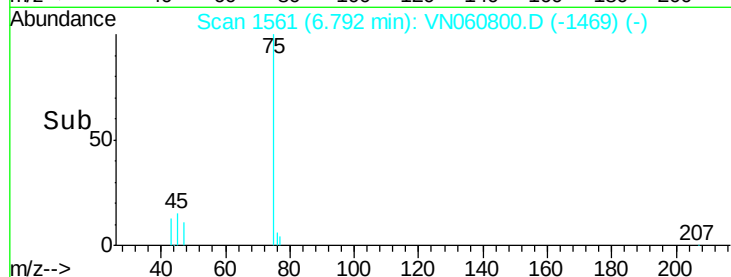
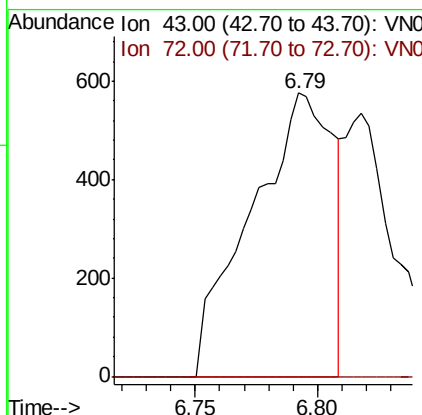
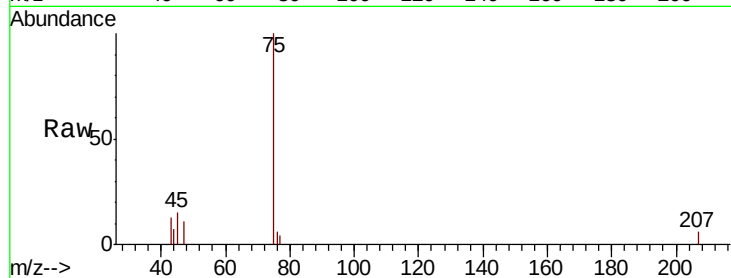




#25
2-Butanone
Concen: 0.854 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060800.D
Acq: 31 Mar 2020 20:37

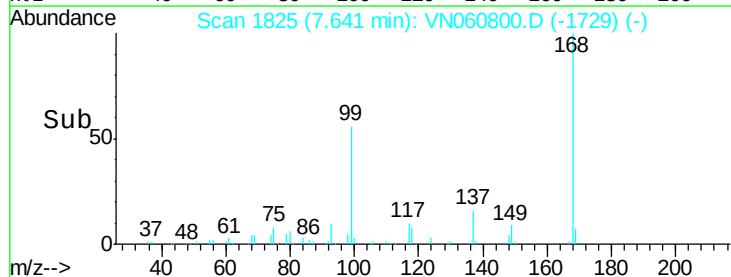
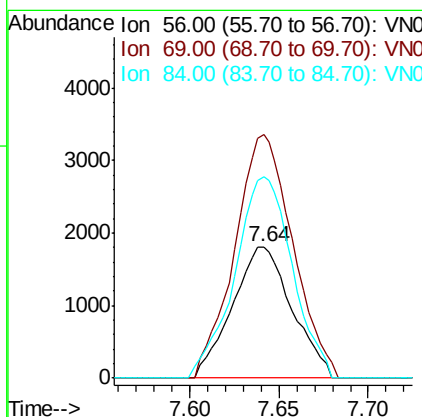
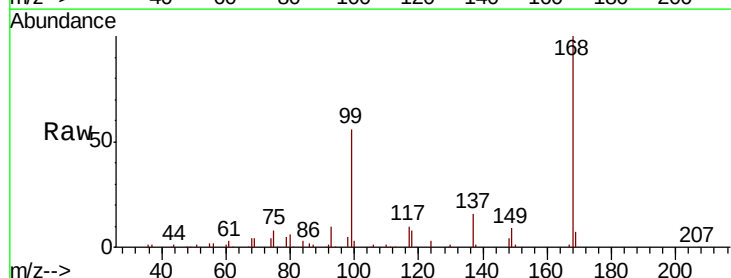
Instrument :
MSVOA_N
ClientSampleId :

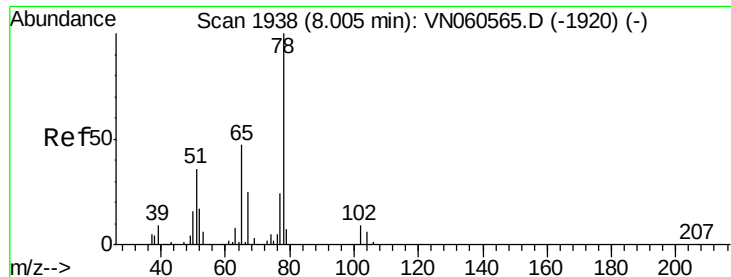
Tot Ion: 43 Resp: 1341
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.953 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060800.D
Acq: 31 Mar 2020 20:37

Tgt Ion: 56 Resp: 4207
Ion Ratio Lower Upper
56 100
69 185.8 26.6 40.0#
84 154.0 64.3 96.5#

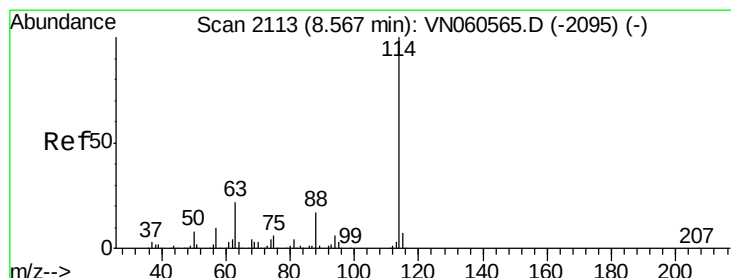
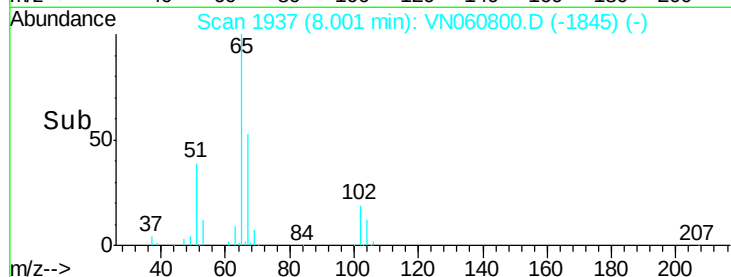
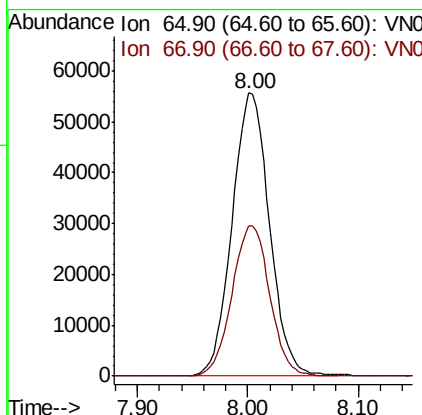
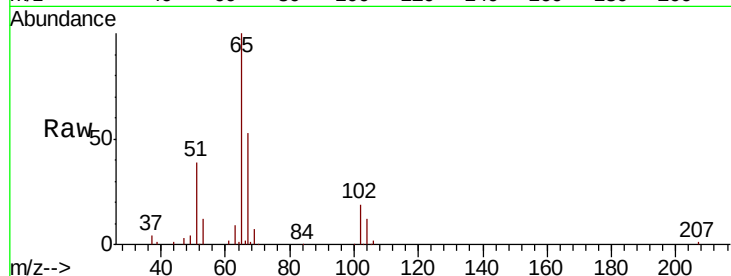




#33
 1,2-Dichloroethane-d4
 Concen: 47.669 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060800.D
 Acq: 31 Mar 2020 20:37

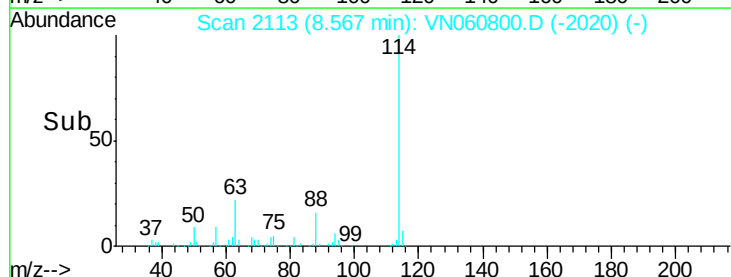
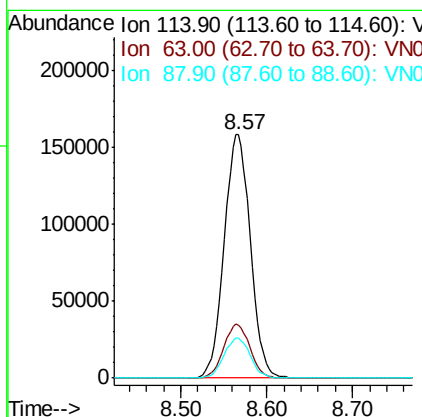
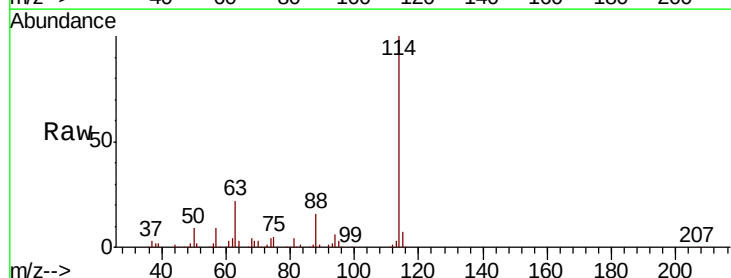
Instrument :
 MSVOA_N
 ClientSampleId :

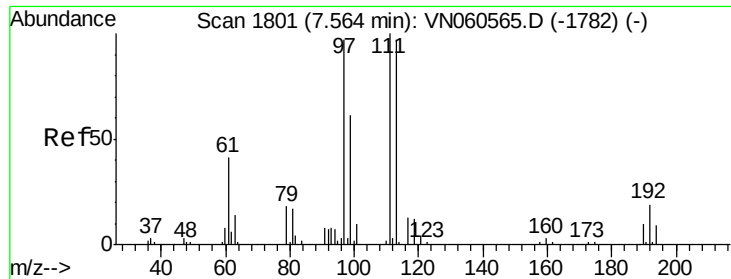
Tot Ion: 65 Resp: 130637
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060800.D
 Acq: 31 Mar 2020 20:37

Tgt Ion: 114 Resp: 335065
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.8
 88 16.4 0.0 33.0

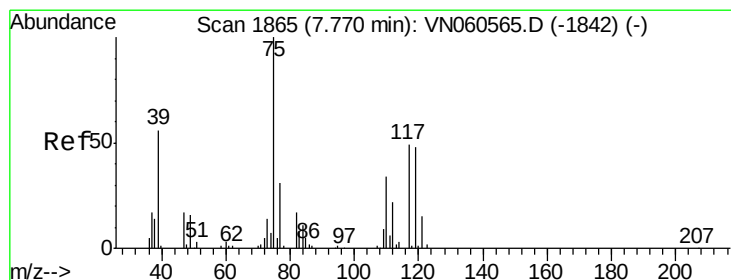
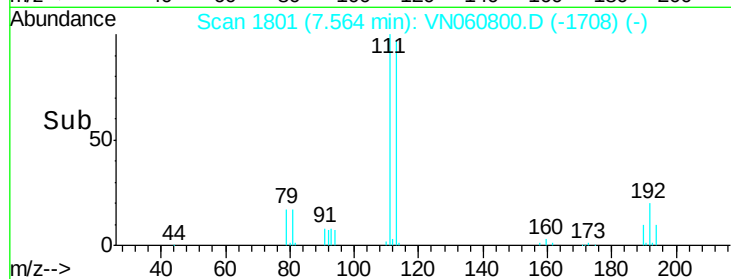
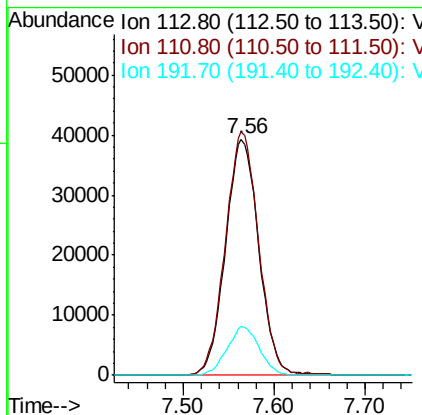
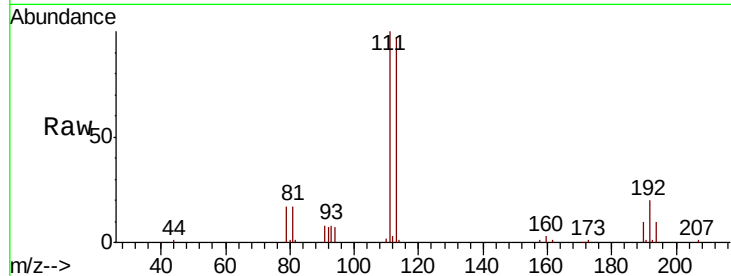




#35
 Dibromofluoromethane
 Concen: 49.283 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060800.D
 Acq: 31 Mar 2020 20:37

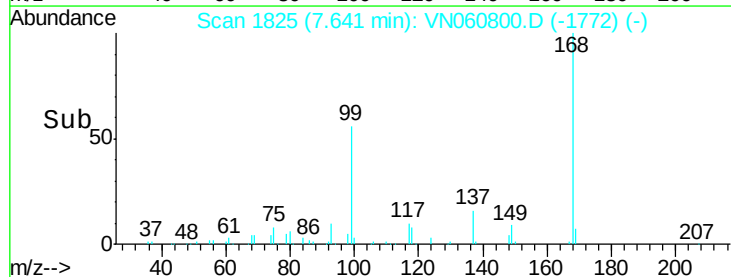
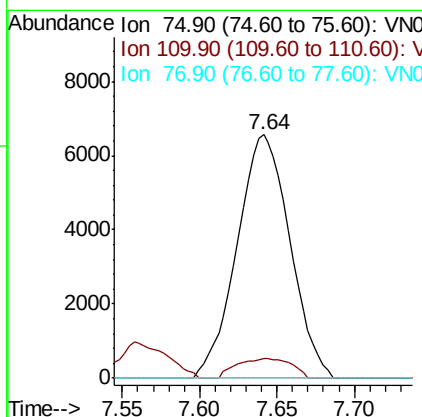
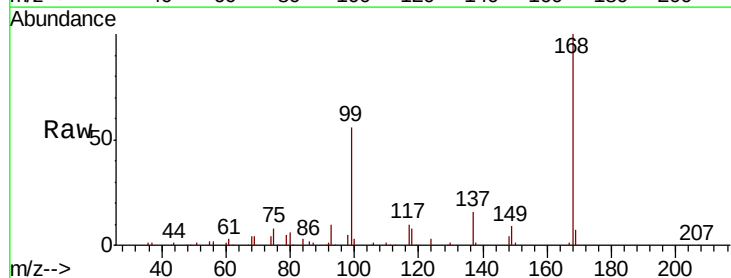
Instrument :
 MSVOA_N
 ClientSampled :

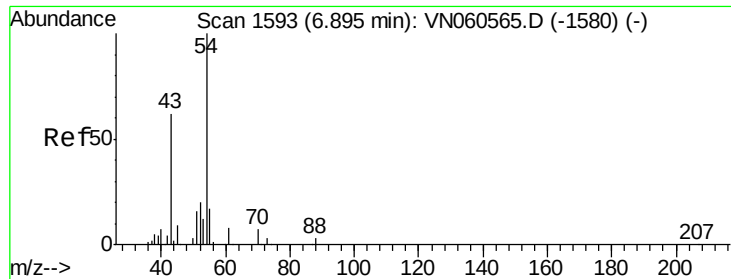
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	20.0	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.795 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060800.D
 Acq: 31 Mar 2020 20:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.9	50.6#
77	0.0	24.6	36.8#

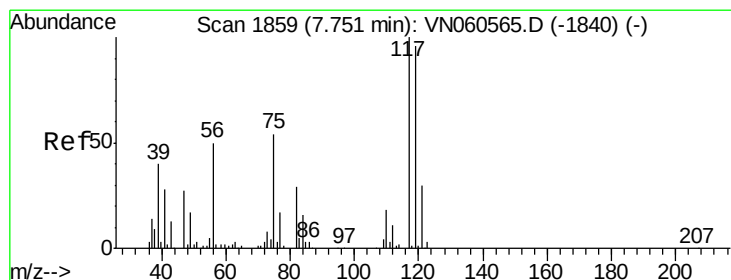
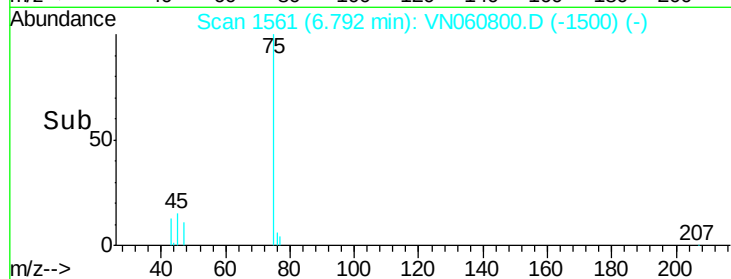
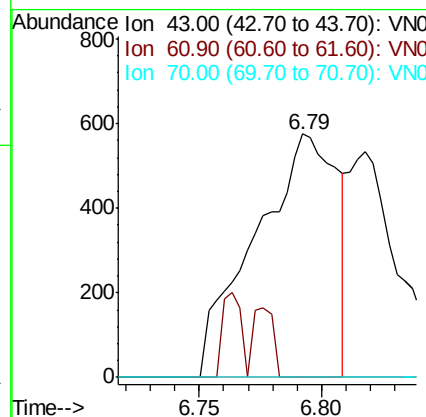
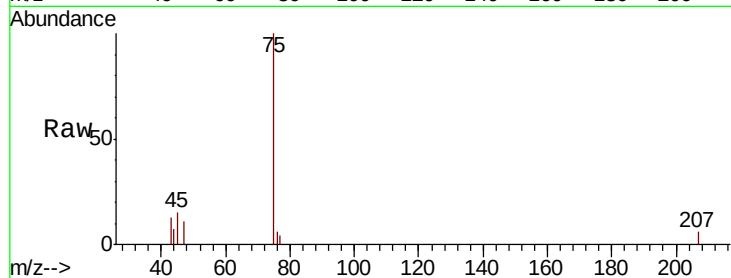




#37
Ethyl Acetate
Concen: 0.383 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.10 min
Lab File: VN060800.D
Acq: 31 Mar 2020 20:37

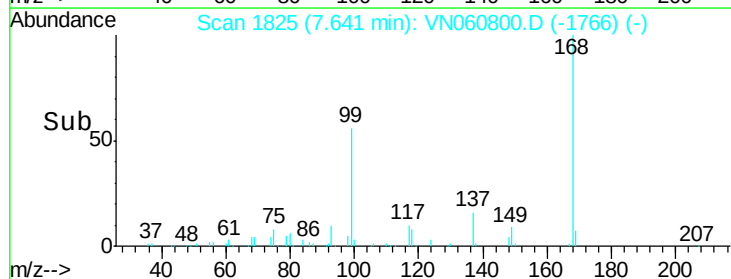
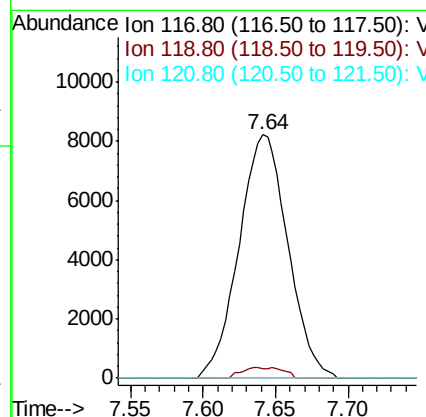
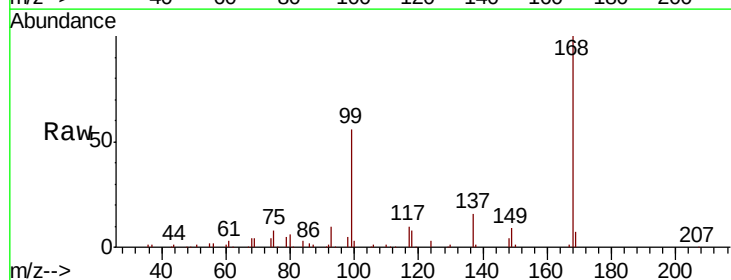
Instrument :
MSVOA_N
ClientSampled :

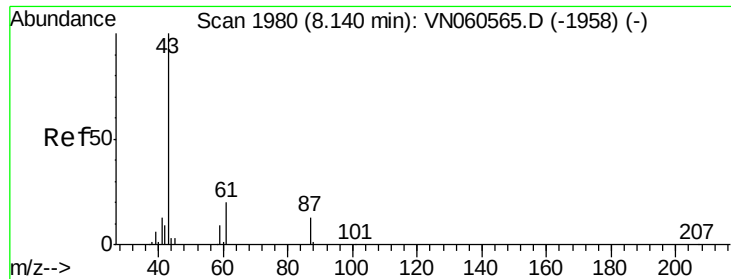
Tot Ion: 43 Resp: 1341
Ion Ratio Lower Upper
43 100
61 6.9 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.628 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060800.D
Acq: 31 Mar 2020 20:37

Tgt Ion: 117 Resp: 19272
Ion Ratio Lower Upper
117 100
119 3.9 76.2 114.2#
121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 11.039 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060800.D

Acq: 31 Mar 2020 20:37

Instrument :

MSVOA_N

ClientSampleId :

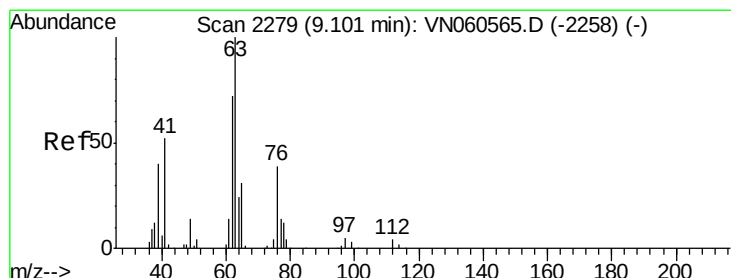
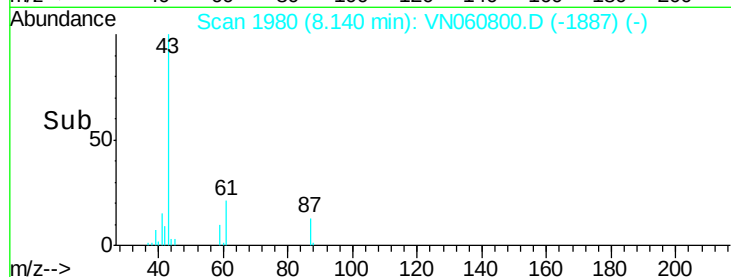
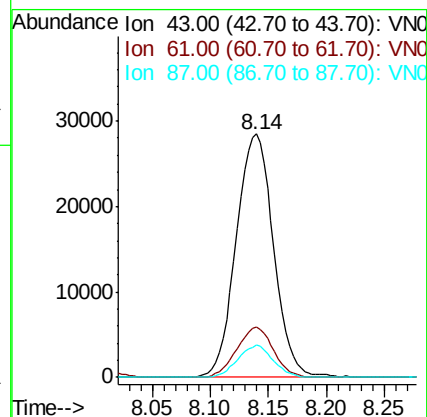
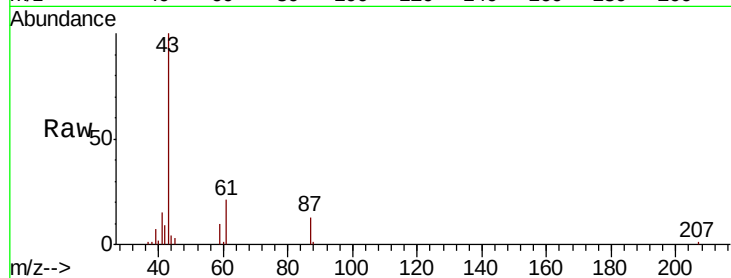
Tot Ion: 43 Resp: 63821

Ion Ratio Lower Upper

43 100

61 20.2 20.7 31.1#

87 12.4 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.498 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060800.D

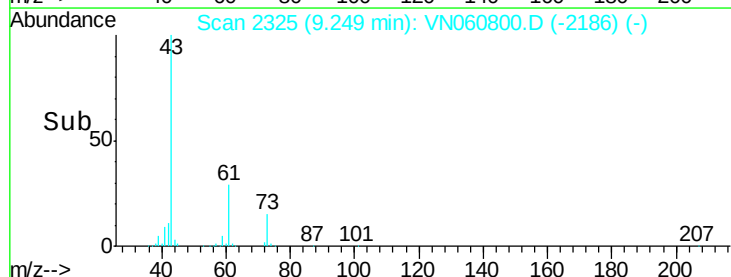
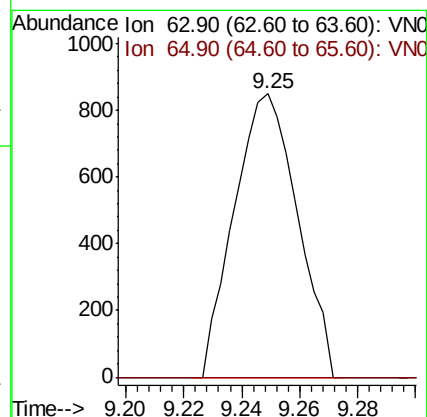
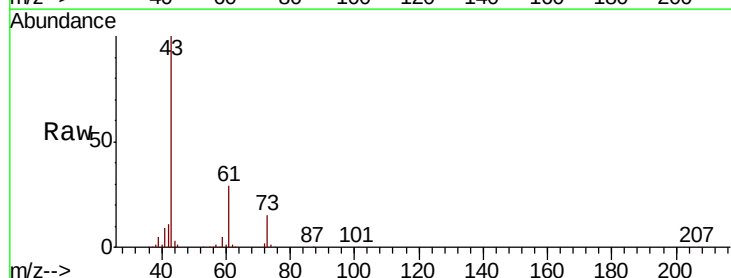
Acq: 31 Mar 2020 20:37

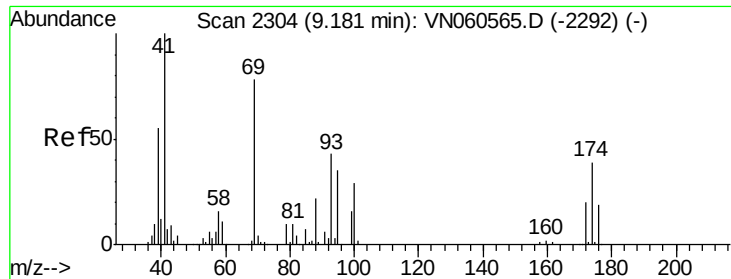
Tgt Ion: 63 Resp: 1287

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

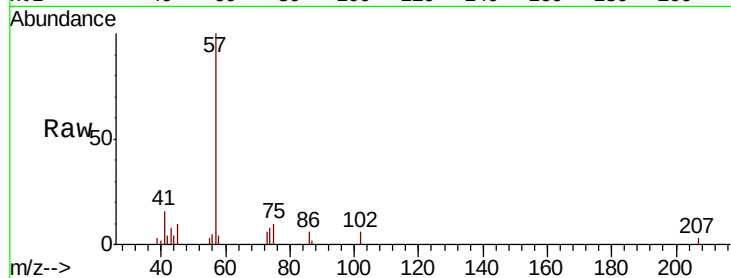




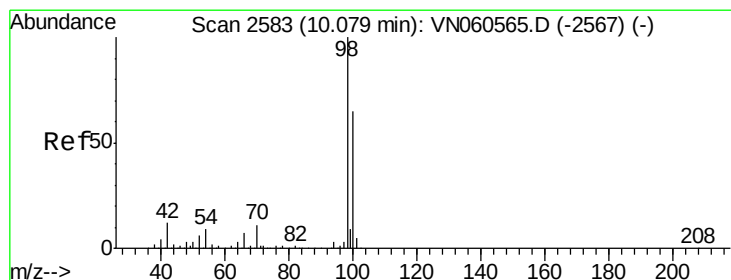
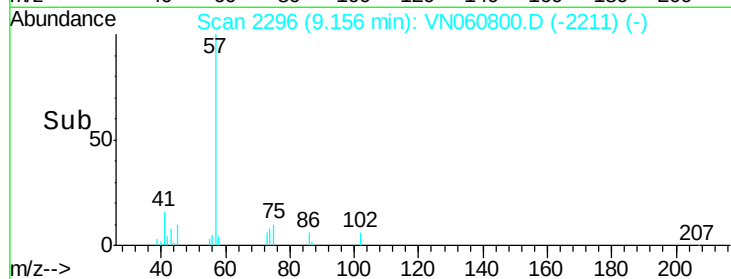
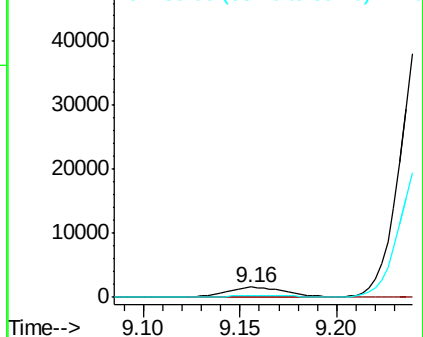
#48
Methvl methacrylate
Concen: 1.310 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN060800.D
Acq: 31 Mar 2020 20:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 3371
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

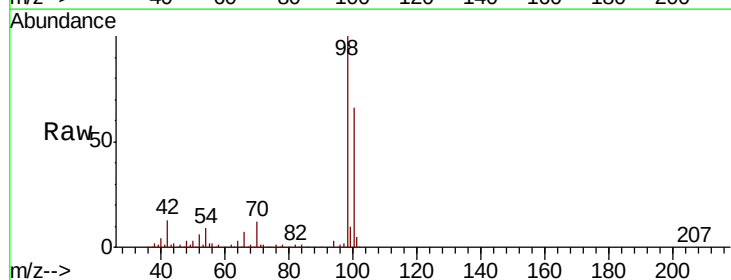


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

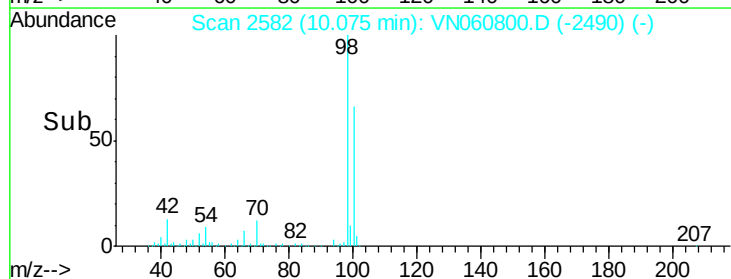
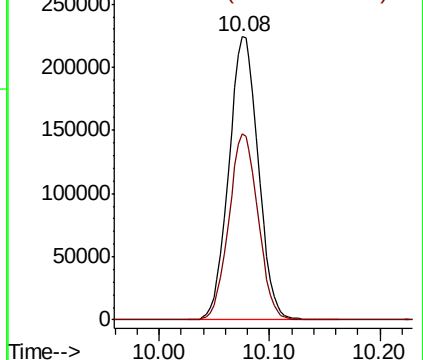


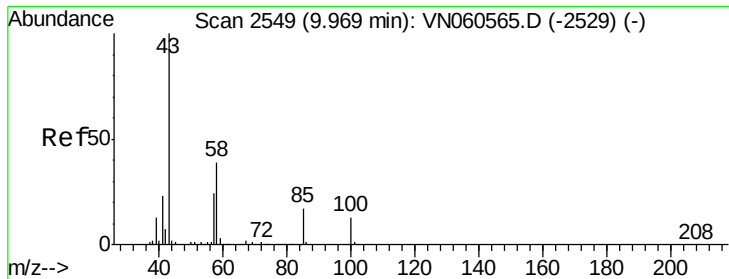
#50
Toluene-d8
Concen: 50.098 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060800.D
Acq: 31 Mar 2020 20:37

Tgt Ion: 98 Resp: 414590
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

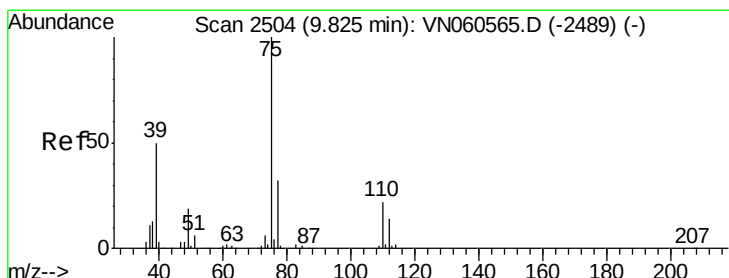
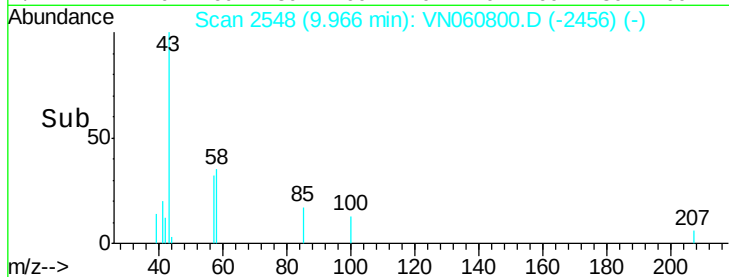
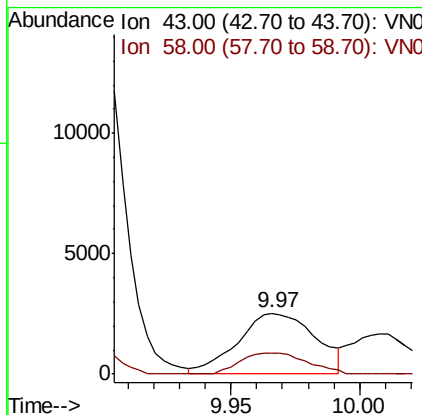
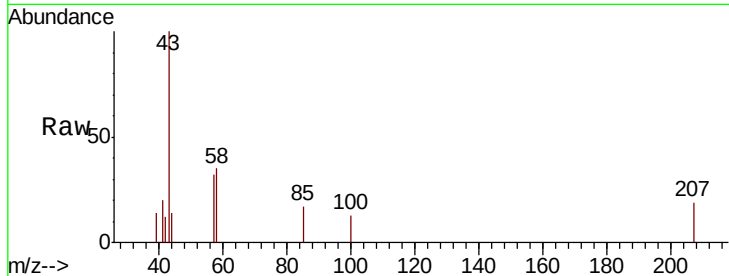




#51
 4-Methyl-2-Pentanone
 Concen: 1.617 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060800.D
 Acq: 31 Mar 2020 20:37

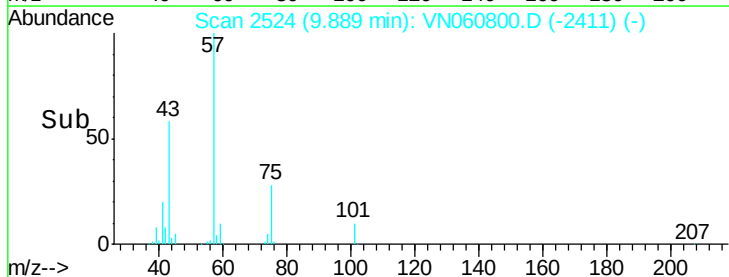
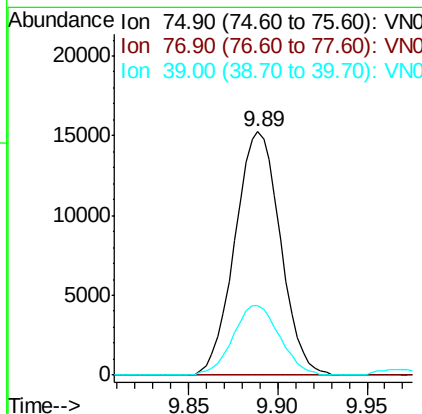
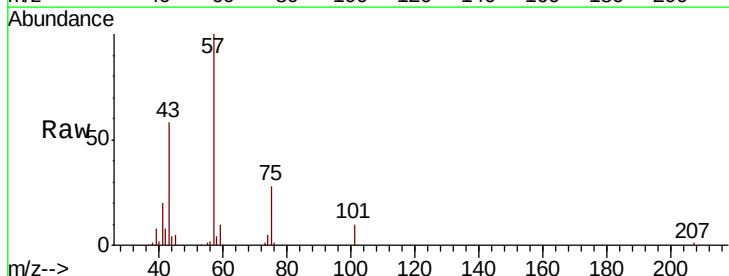
Instrument :
 MSVOA_N
 ClientSampled :

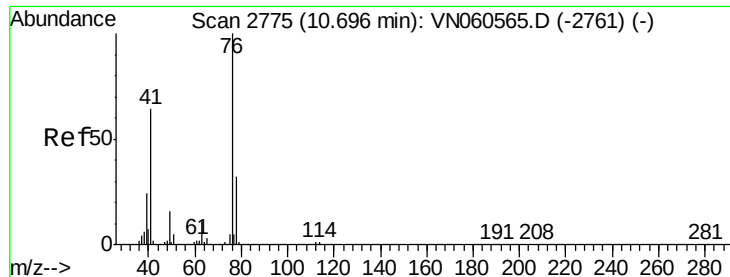
Tot Ion: 43 Resp: 5321
 Ion Ratio Lower Upper
 43 100
 58 30.0 30.8 46.2#



#54
 cis-1,3-Dichloropropene
 Concen: 6.617 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060800.D
 Acq: 31 Mar 2020 20:37

Tgt Ion: 75 Resp: 27072
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 28.3 40.2 60.4#

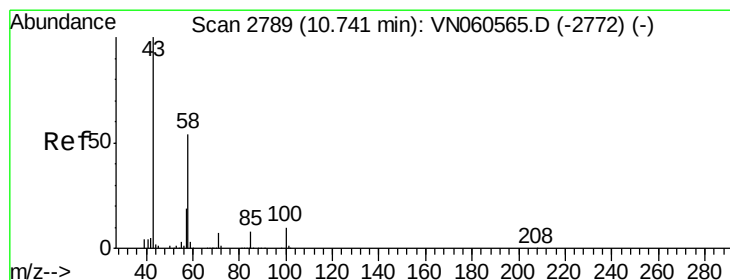
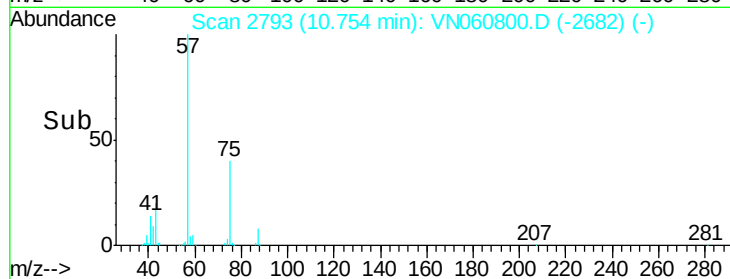
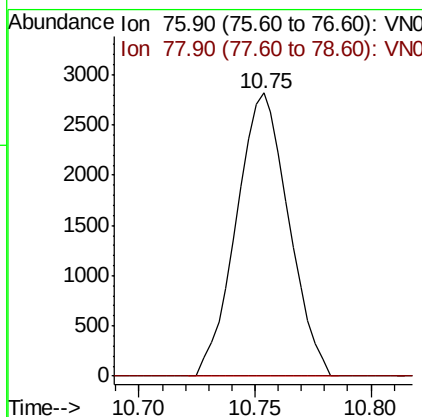
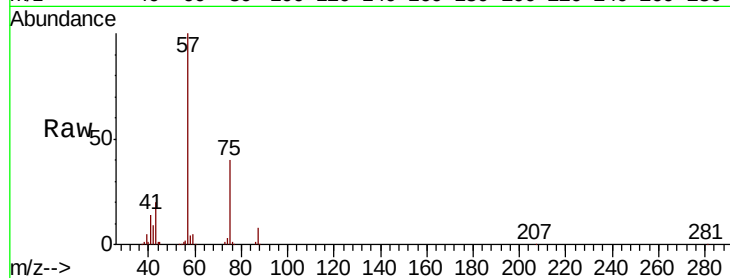




#57
 1,3-Dichloropropane
 Concen: 1.117 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060800.D
 Acq: 31 Mar 2020 20:37

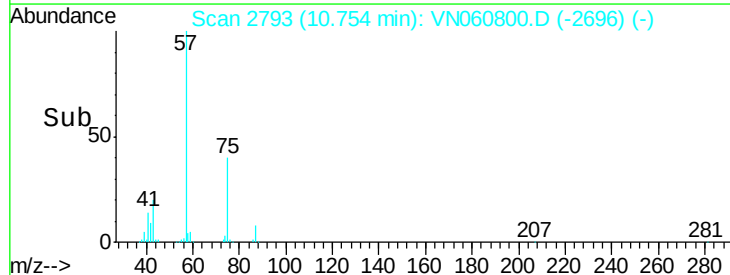
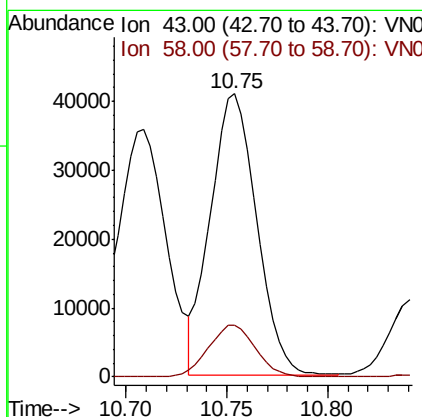
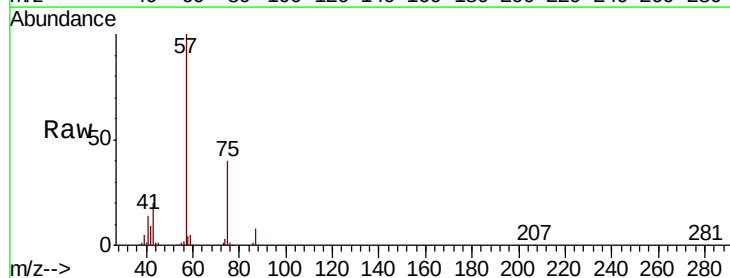
Instrument :
 MSVOA_N
 ClientSampleId :

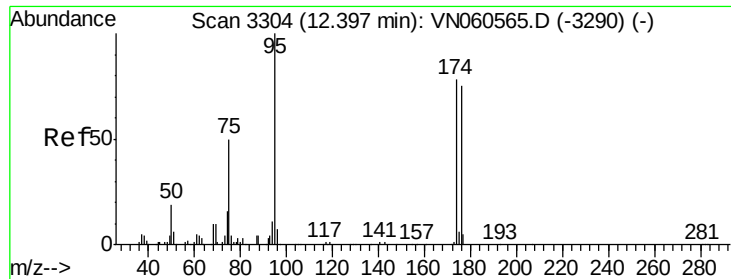
Tot Ion: 76 Resp: 4412
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 27.580 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060800.D
 Acq: 31 Mar 2020 20:37

Tgt Ion: 43 Resp: 65363
 Ion Ratio Lower Upper
 43 100
 58 18.5 26.7 80.1#

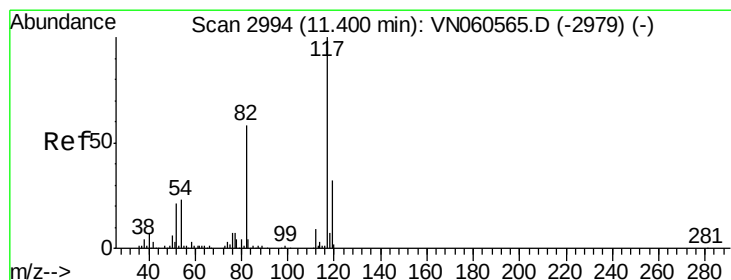
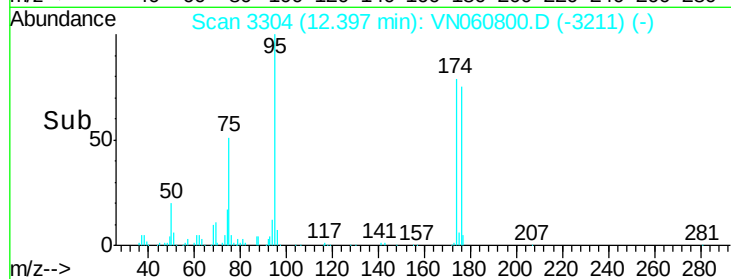
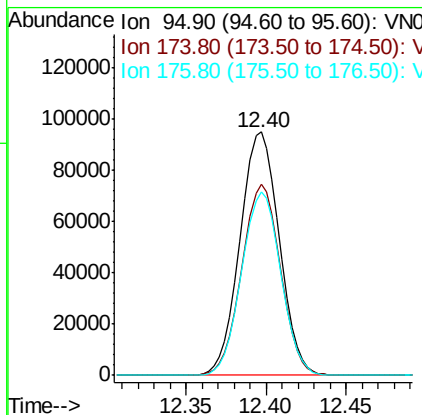
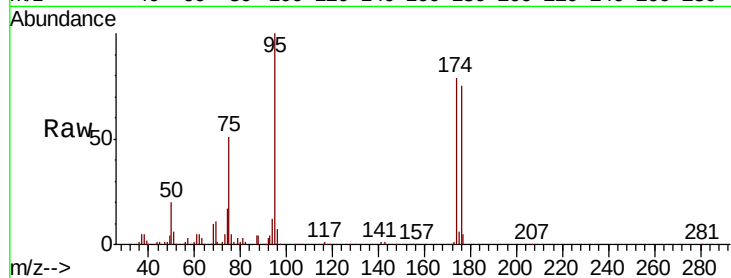




#62
4-Bromofluorobenzene
Concen: 52.315 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060800.D
Acq: 31 Mar 2020 20:37

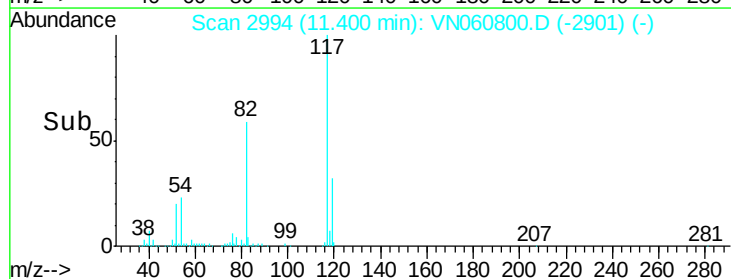
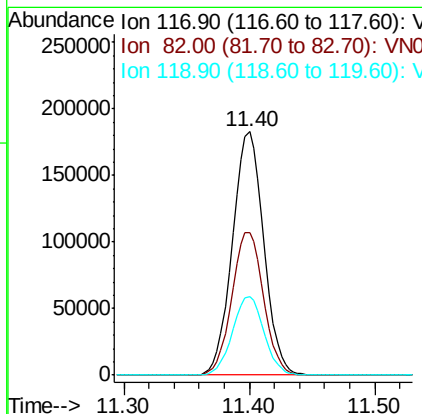
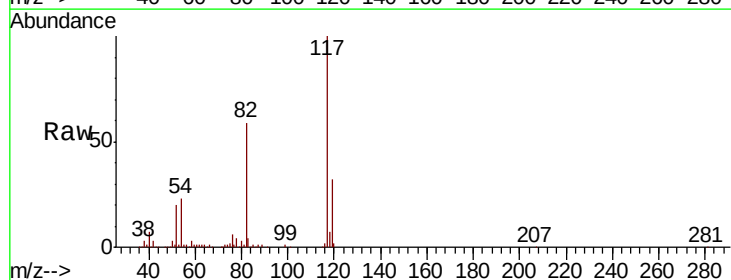
Instrument :
MSVOA_N
ClientSampleId :

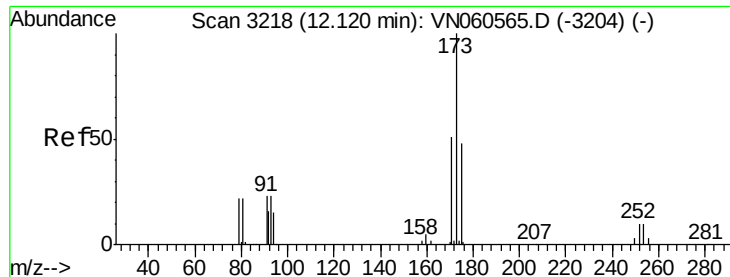
Tot Ion	95	Resp	158665
Ion Ratio	Lower	Upper	
95	100		
174	77.7	0.0	157.6
176	75.3	0.0	150.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060800.D
Acq: 31 Mar 2020 20:37

Tgt Ion	117	Resp	317376
Ion Ratio	Lower	Upper	
117	100		
82	58.5	46.7	70.1
119	32.4	25.5	38.3





#71

Bromoform

Concen: 2.004 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060800.D

Acq: 31 Mar 2020 20:37

Instrument :

MSVOA_N

ClientSampled :

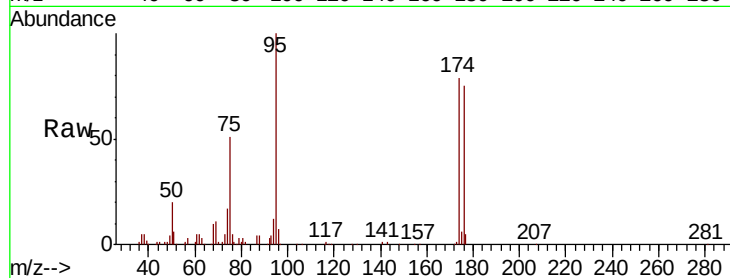
Tot Ion:173 Resp: 633

Ion Ratio Lower Upper

173 100

175 1263.5 24.1 72.4#

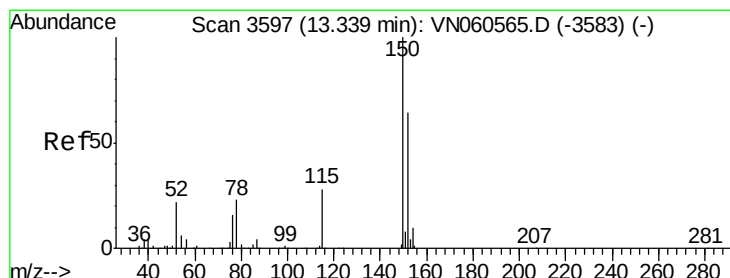
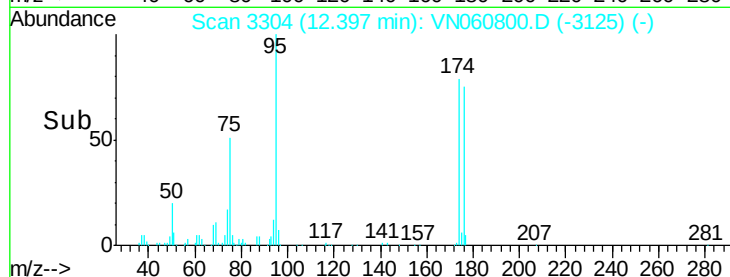
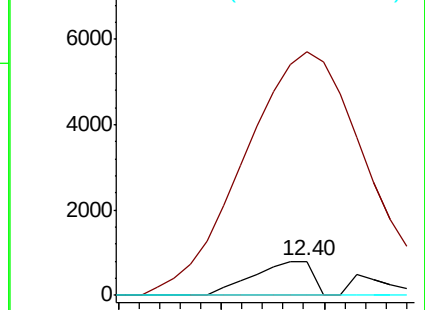
254 0.0 0.0 0.0



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: VN060800.D

Acq: 31 Mar 2020 20:37

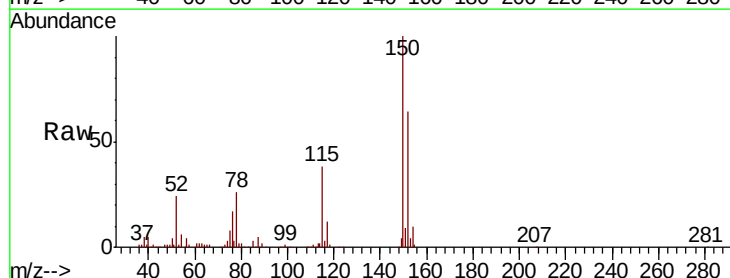
Tgt Ion:152 Resp: 147889

Ion Ratio Lower Upper

152 100

115 60.0 30.2 90.6

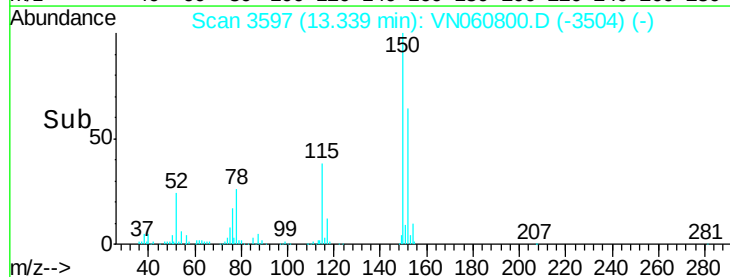
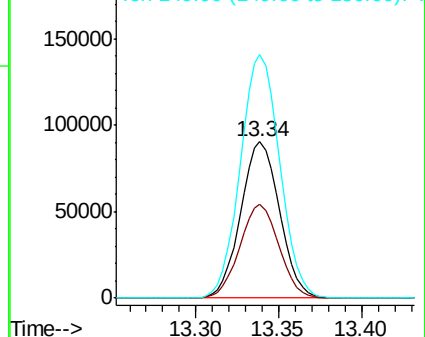
150 157.8 0.0 350.2

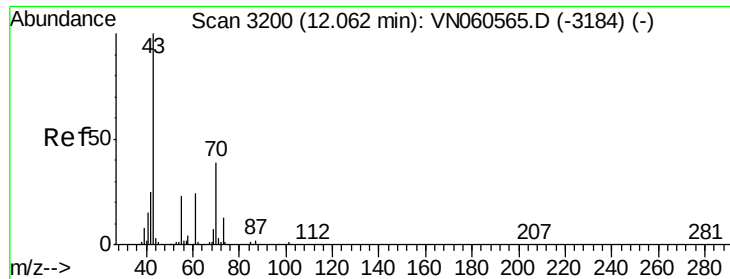


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyl acetate

Concen: 0.686 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060800.D

Acq: 31 Mar 2020 20:37

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 3518

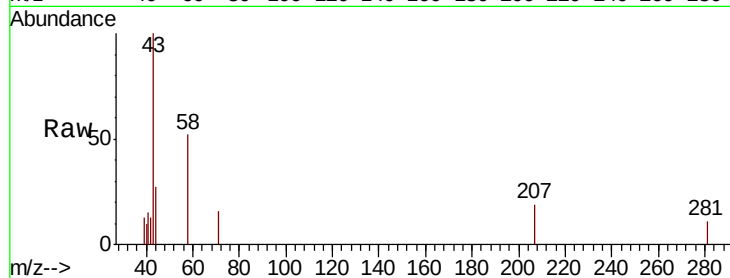
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

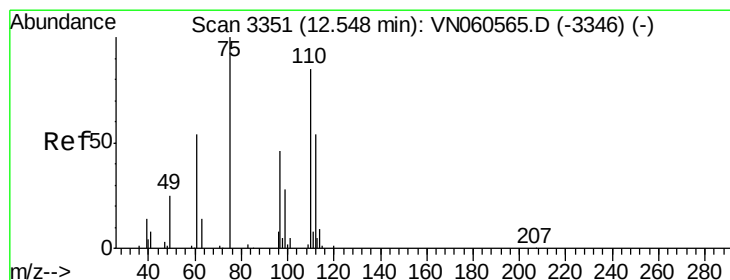
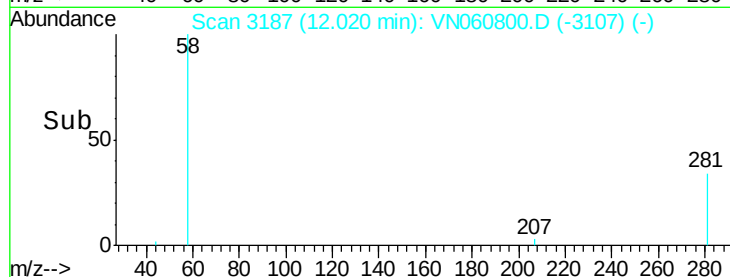
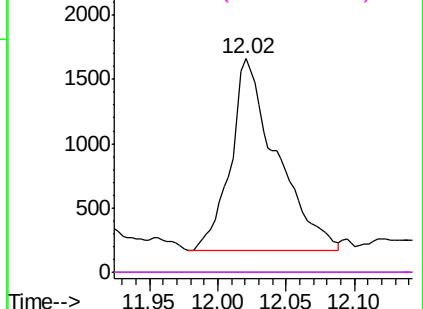


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.055 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060800.D

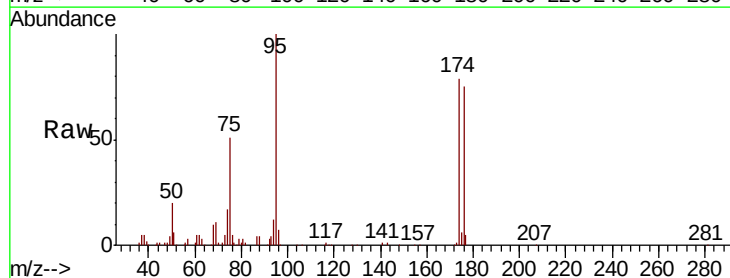
Acq: 31 Mar 2020 20:37

Tgt Ion: 75 Resp: 79954

Ion Ratio Lower Upper

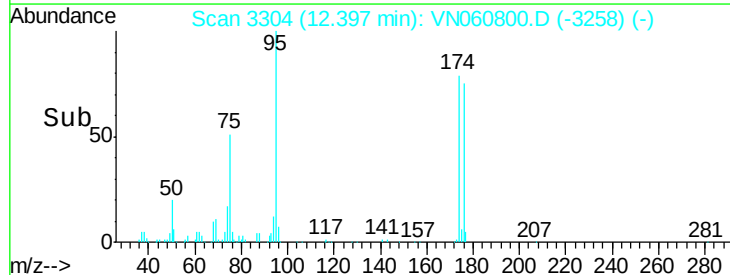
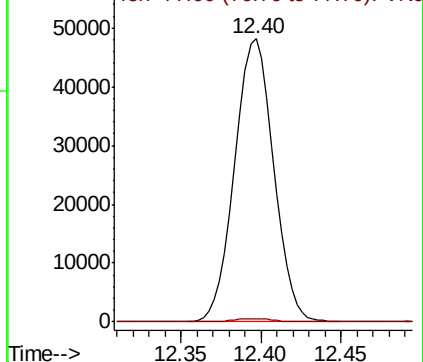
75 100

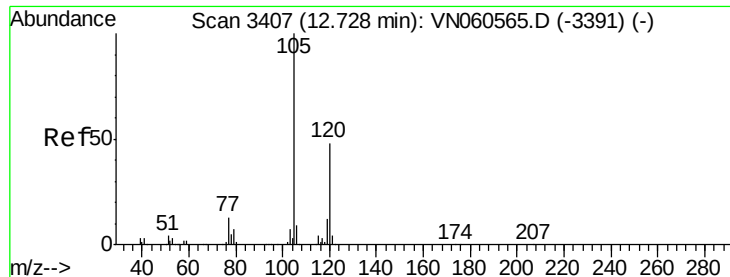
77 1.1 0.0 0.0#



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: 0.360 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060800.D

Acq: 31 Mar 2020 20:37

Instrument :

MSVOA_N

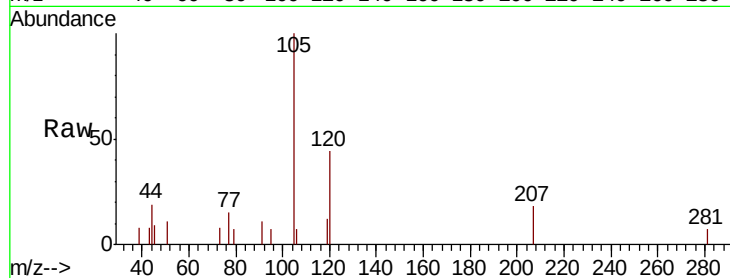
ClientSampled :

Tot Ion:105 Resp: 3389

Ion Ratio Lower Upper

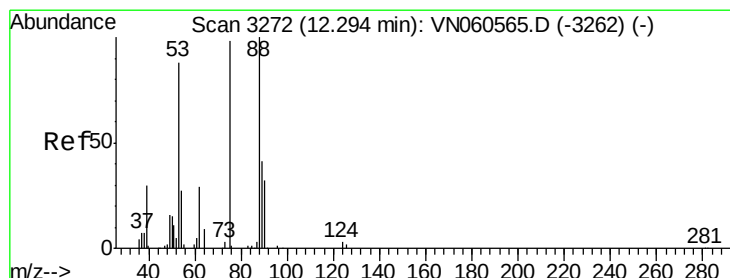
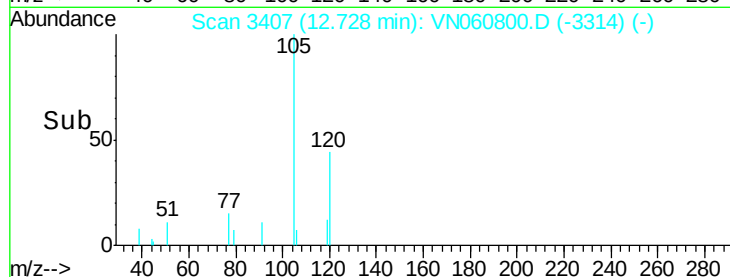
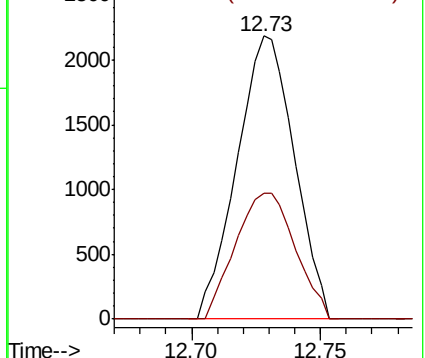
105 100

120 46.4 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: 64.349 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060800.D

Acq: 31 Mar 2020 20:37

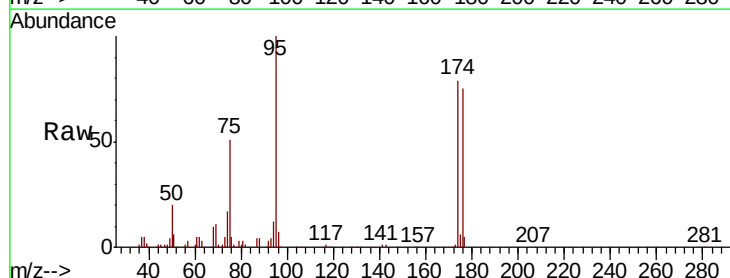
Tgt Ion: 75 Resp: 79954

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

