

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060992.D
 Acq On : 16 Apr 2020 3:12
 Operator : JC/MD
 Sample : L2281-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 06:44:46 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	148522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	254174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	238343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	105077	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	100049	49.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.14%	
35) Dibromofluoromethane	7.56	113	75578	49.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.36%	
50) Toluene-d8	10.08	98	316899	50.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.39	95	118075	51.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.64%	

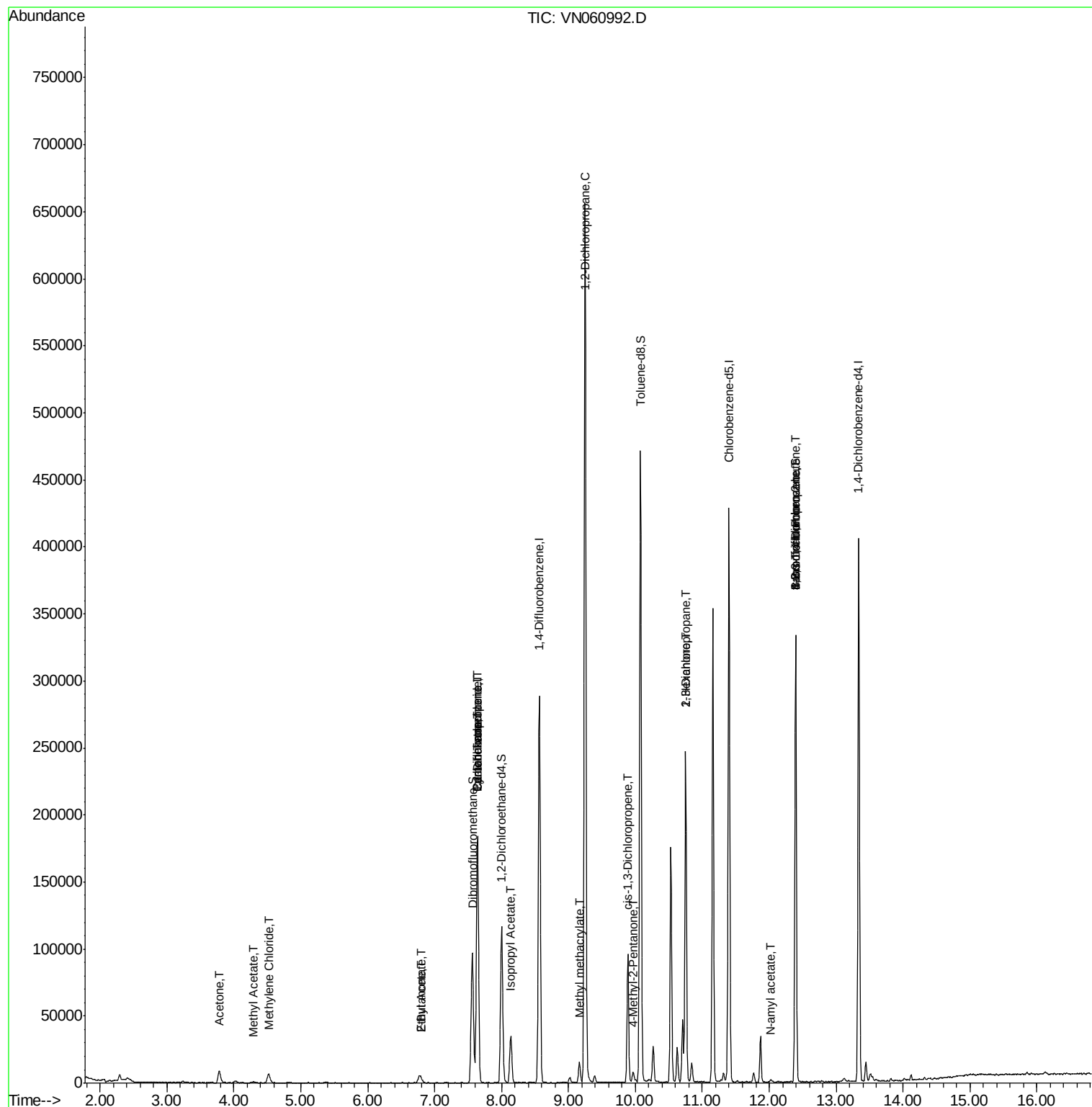
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	16583	22.961	ug/l	99
18) Methyl Acetate	4.29	43	1668	0.821	ug/l #	54
20) Methylene Chloride	4.52	84	5302	2.984	ug/l	96
25) 2-Butanone	6.80	43	4680	4.005	ug/l	96
31) Cyclohexane	7.64	56	3221	0.981	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12217	4.964	ug/l #	49
37) Ethyl Acetate	6.80	43	4680	1.760	ug/l #	70
38) Carbon Tetrachloride	7.64	117	14475	6.562	ug/l #	16
43) Isopropyl Acetate	8.14	43	42871	9.775	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	659	0.336	ug/l #	43
48) Methyl methacrylate	9.16	41	2320	1.188	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4949	1.983	ug/l	99
54) cis-1,3-Dichloropropene	9.89	75	16832	5.423	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	2461	0.822	ug/l #	42
59) 2-Hexanone	10.75	43	36442	20.270	ug/l #	51
71) Bromoform	12.40	173	510	2.027	ug/l #	1
74) N-amyl acetate	12.02	43	1174	0.322	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	60042	26.481	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	60042	68.012	ug/l #	13

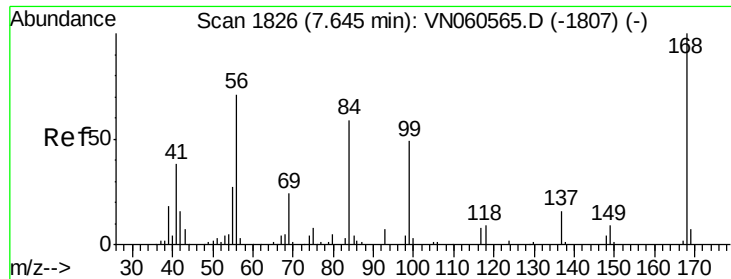
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VN060992.D

Acq: 16 Apr 2020 3:12

Instrument :

MSVOA_N

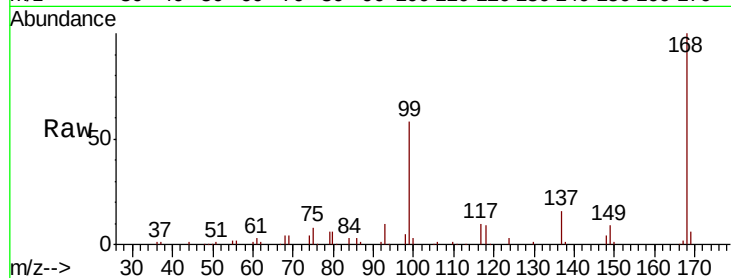
ClientSampled :

Tot Ion:168 Resp: 148522

Ion Ratio Lower Upper

168 100

99 57.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060992.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060992.D (-1733) (-)

7.64

60000

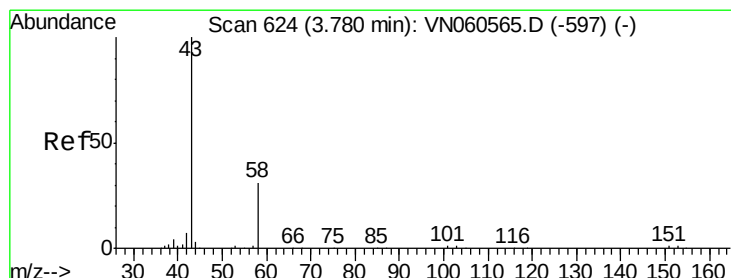
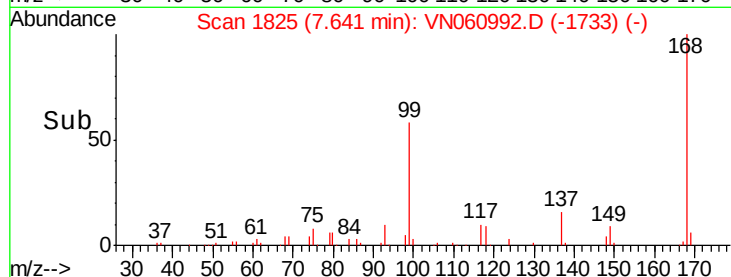
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 22.961 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060992.D

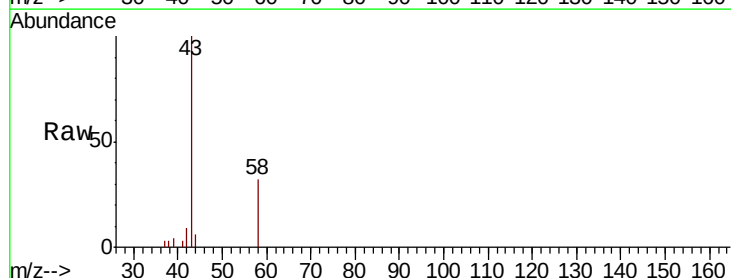
Acq: 16 Apr 2020 3:12

Tgt Ion: 43 Resp: 16583

Ion Ratio Lower Upper

43 100

58 31.8 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060992.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060992.D (-531) (-)

3.78

6000

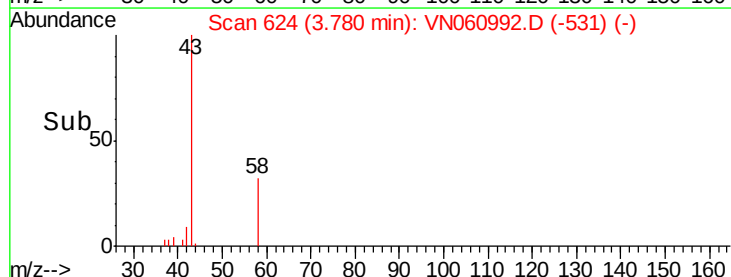
4000

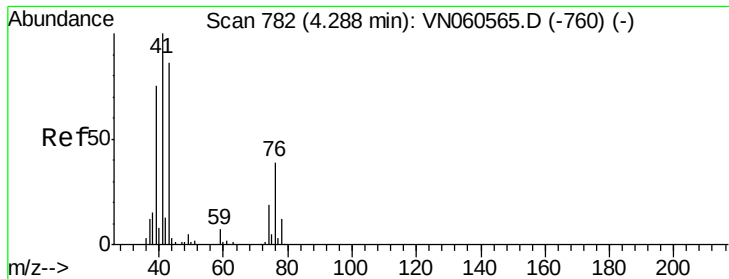
2000

0

3.70 3.80 3.90

Time-->

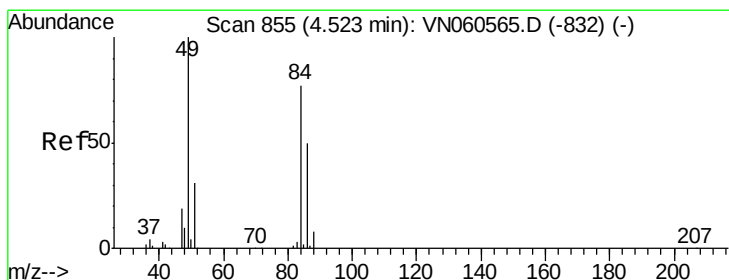
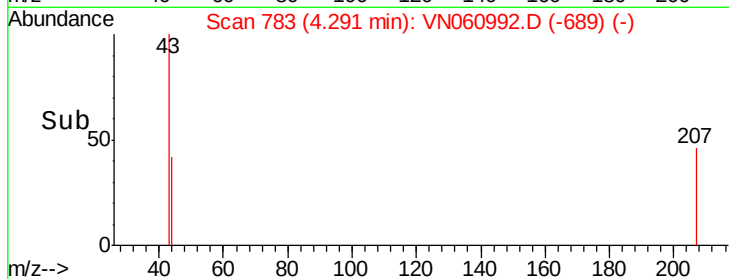
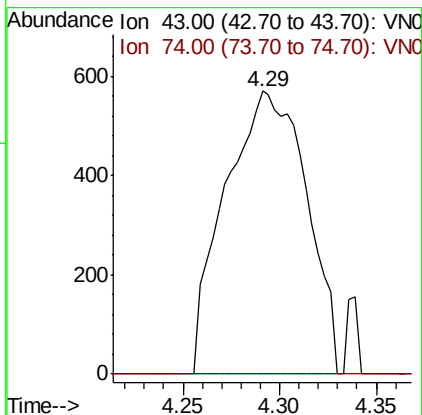
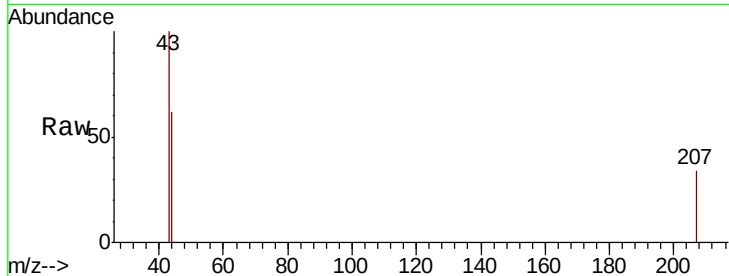




#18
Methyl Acetate
Concen: 0.821 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060992.D
Acq: 16 Apr 2020 3:12

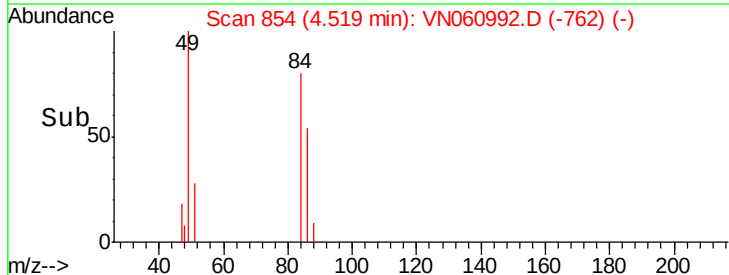
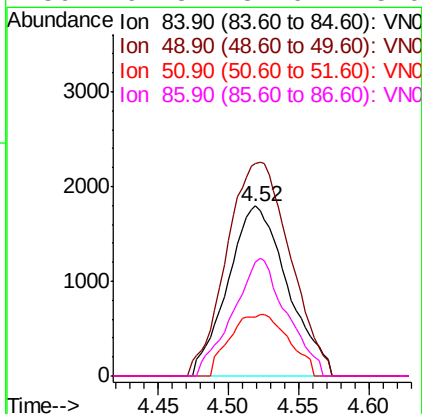
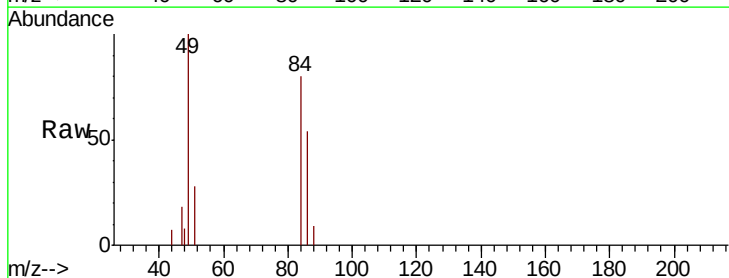
Instrument :
MSVOA_N
ClientSampled :

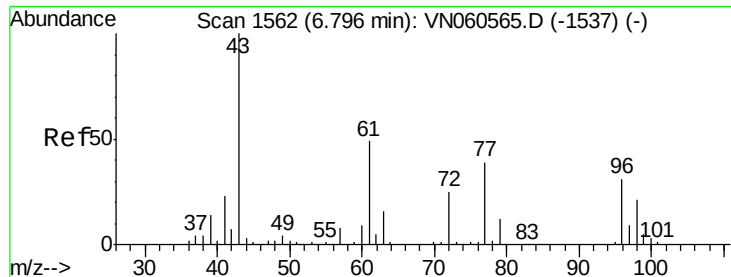
Tot Ion: 43 Resp: 1668
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 2.984 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060992.D
Acq: 16 Apr 2020 3:12

Tgt Ion: 84 Resp: 5302
Ion Ratio Lower Upper
84 100
49 125.6 103.3 154.9
51 35.0 31.6 47.4
86 67.3 52.0 78.0

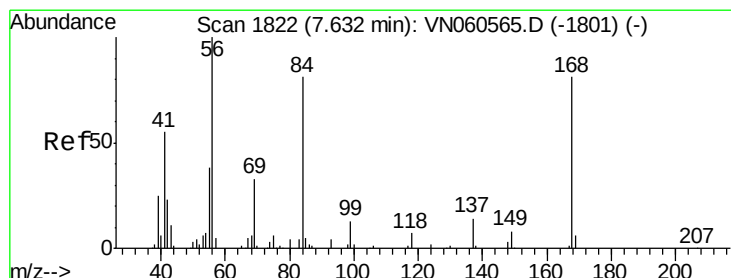
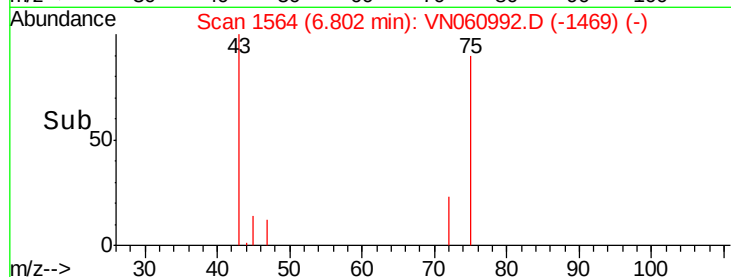
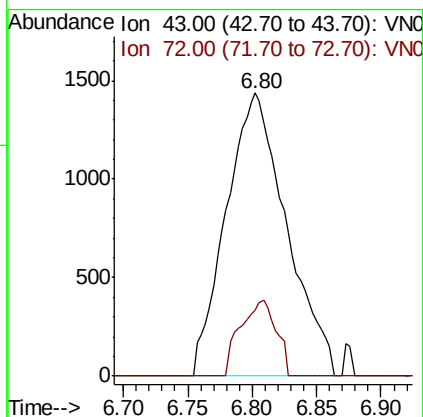
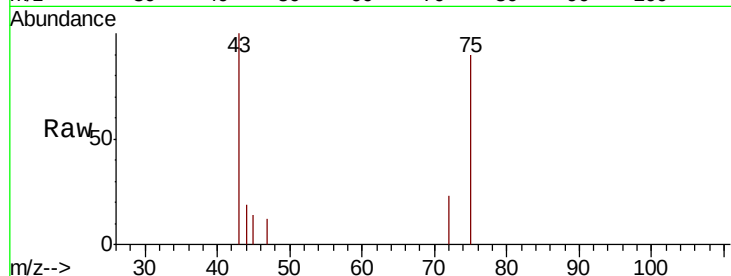




#25
2-Butanone
Concen: 4.005 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN060992.D
Acq: 16 Apr 2020 3:12

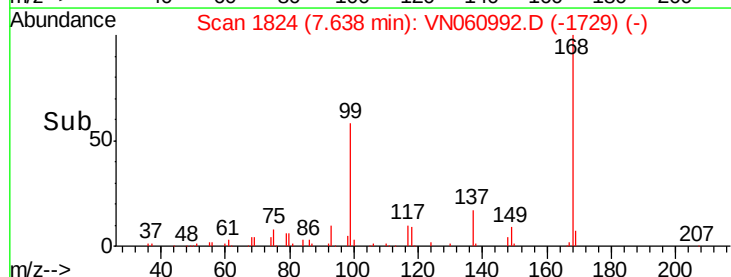
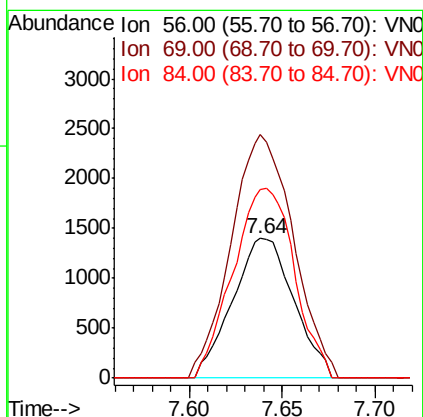
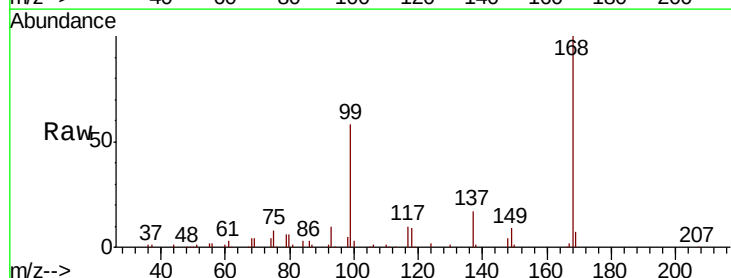
Instrument :
MSVOA_N
ClientSampleId :

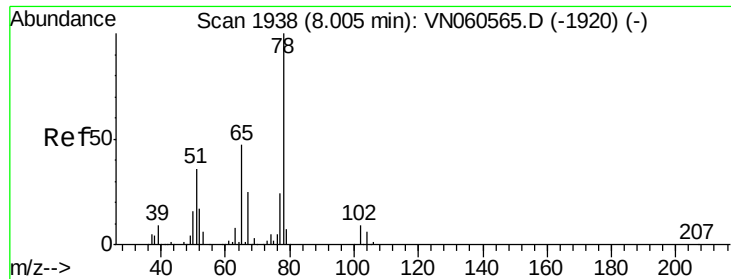
Tot Ion: 43 Resp: 4680
Ion Ratio Lower Upper
43 100
72 23.3 20.4 30.6



#31
Cyclohexane
Concen: 0.981 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060992.D
Acq: 16 Apr 2020 3:12

Tgt Ion: 56 Resp: 3221
Ion Ratio Lower Upper
56 100
69 174.5 26.6 40.0#
84 135.5 64.3 96.5#

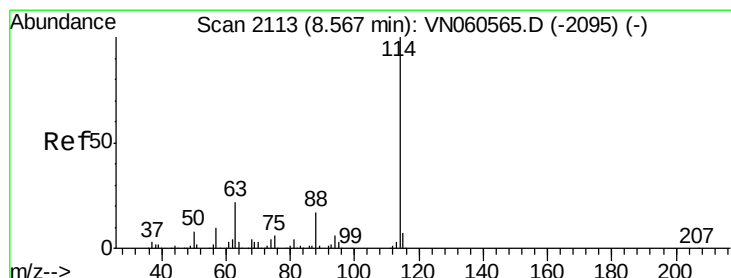
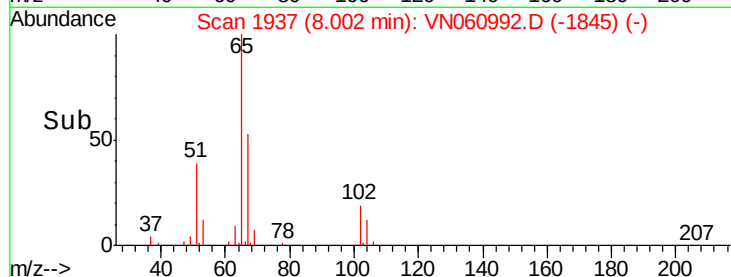
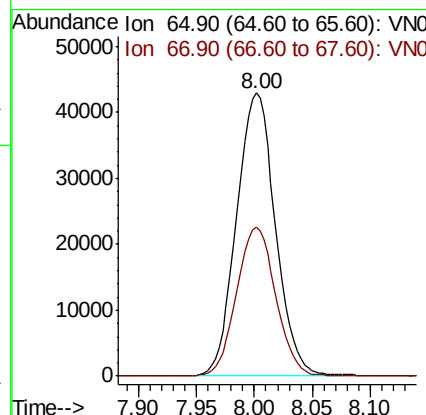
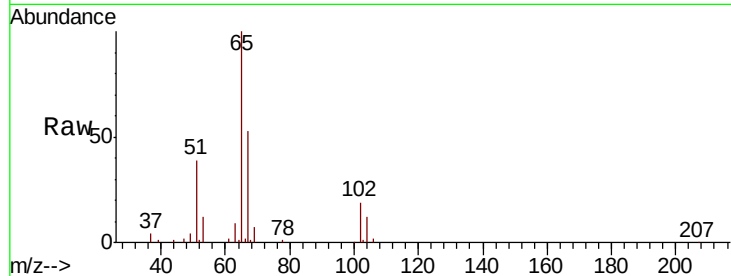




#33
 1,2-Dichloroethane-d4
 Concen: 49.071 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060992.D
 Acq: 16 Apr 2020 3:12

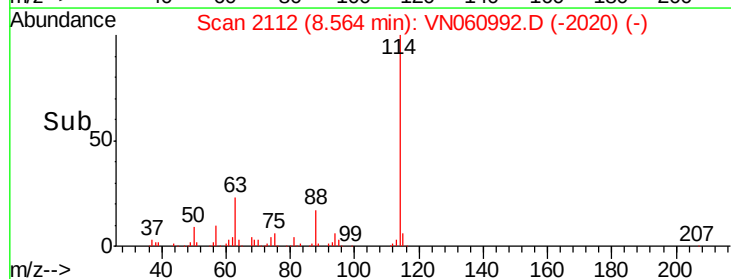
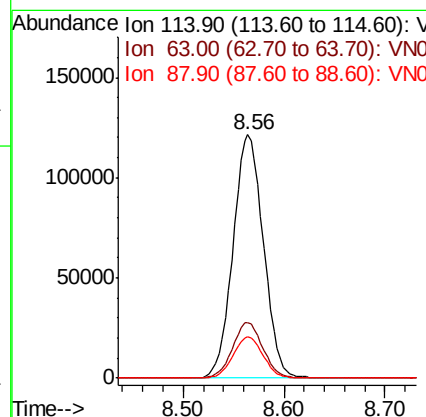
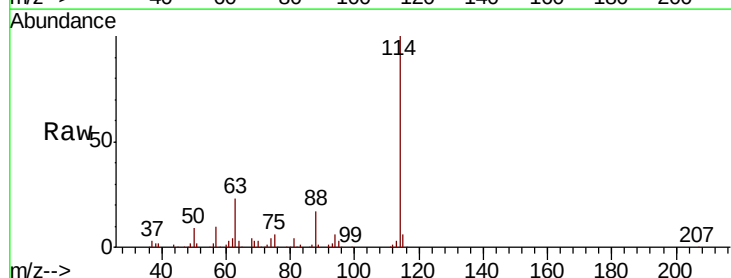
Instrument :
 MSVOA_N
 ClientSampleId :

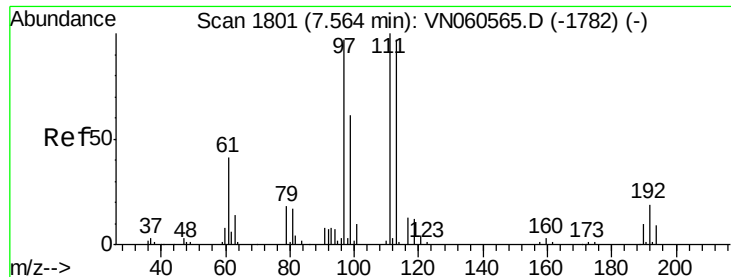
Tot Ion: 65 Resp: 100049
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060992.D
 Acq: 16 Apr 2020 3:12

Tgt Ion: 114 Resp: 254174
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 43.8
 88 16.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.175 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

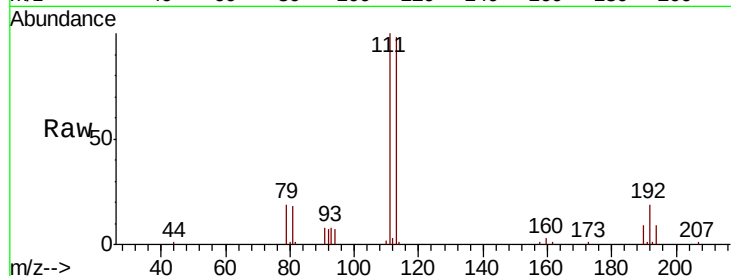
Lab File: VN060992.D

Acq: 16 Apr 2020 3:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 75578

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	19.6	15.8	23.8

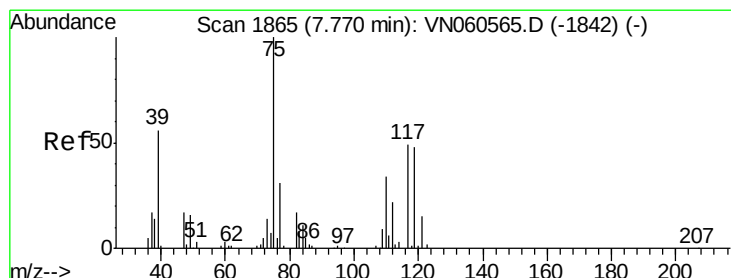
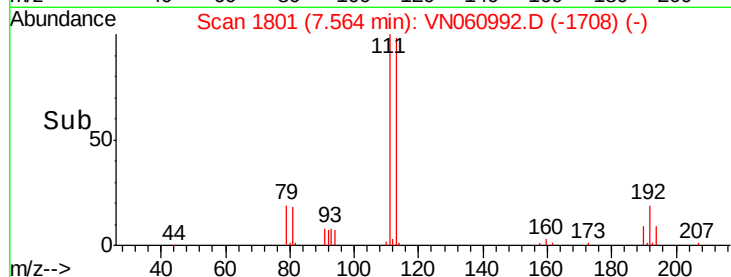
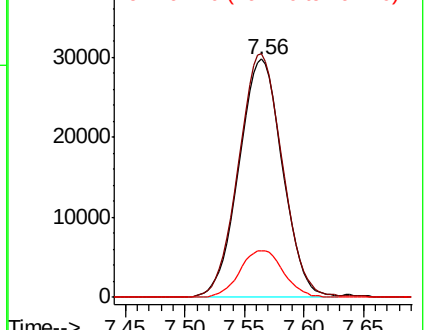


Abundance

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: 4.964 ug/l

RT: 7.64 min Scan# 1825

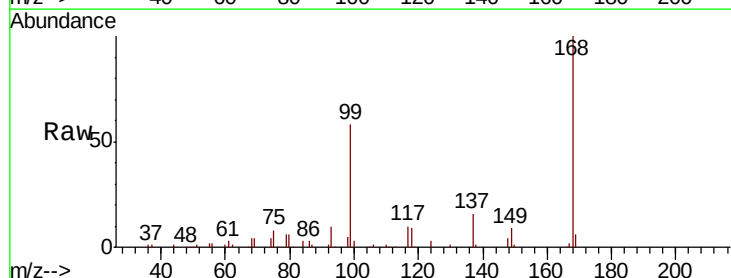
Delta R.T. -0.13 min

Lab File: VN060992.D

Acq: 16 Apr 2020 3:12

Tgt Ion: 75 Resp: 12217

Ion	Ratio	Lower	Upper
75	100		
110	6.8	16.9	50.6#
77	0.0	24.6	36.8#

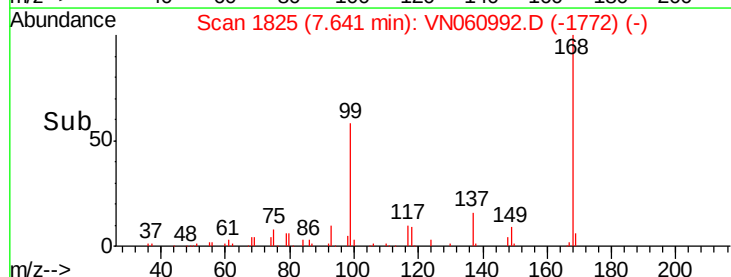
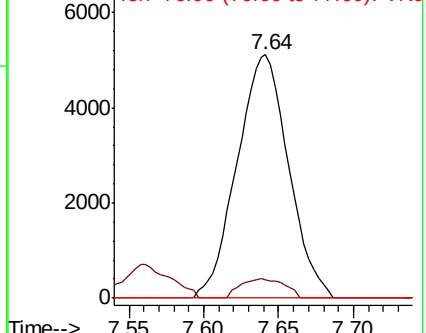


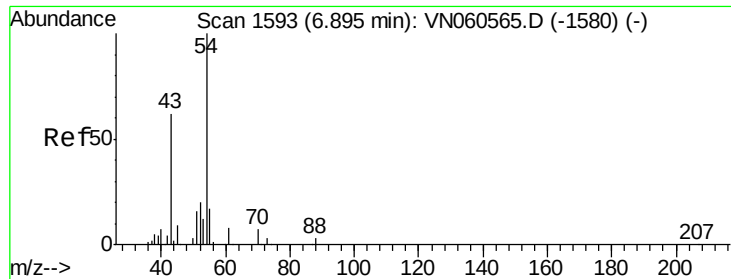
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

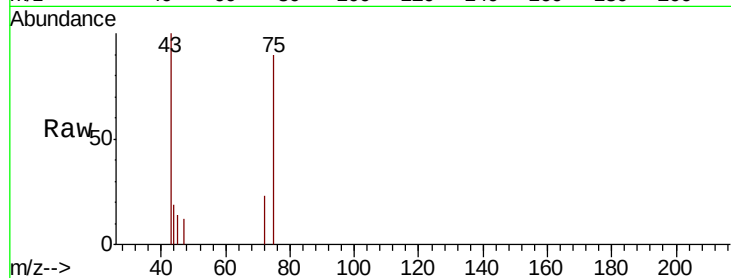




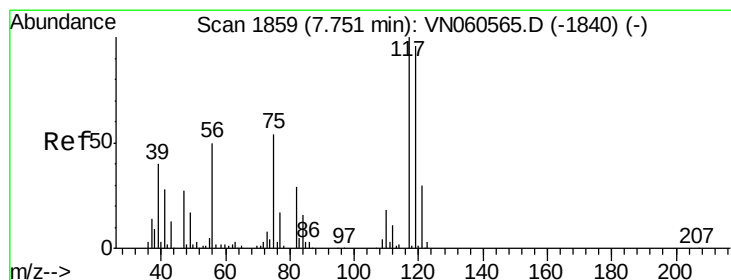
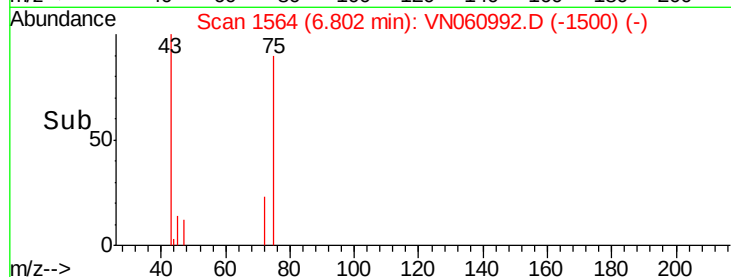
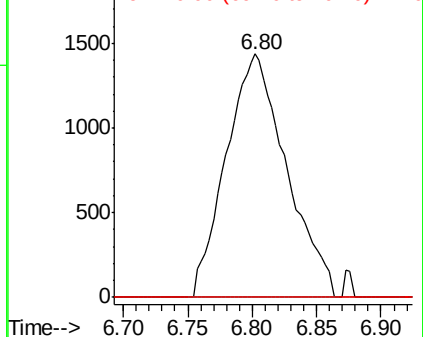
#37
Ethyl Acetate
Concen: 1.760 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.09 min
Lab File: VN060992.D
Acq: 16 Apr 2020 3:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 4680
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#

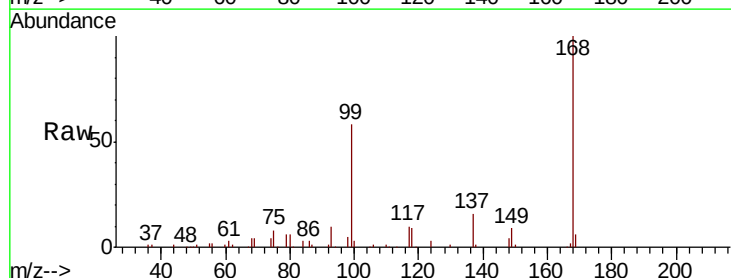


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

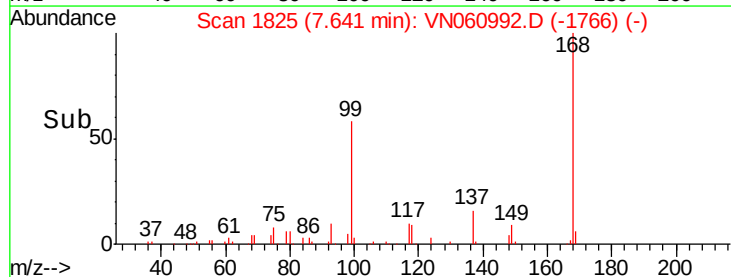
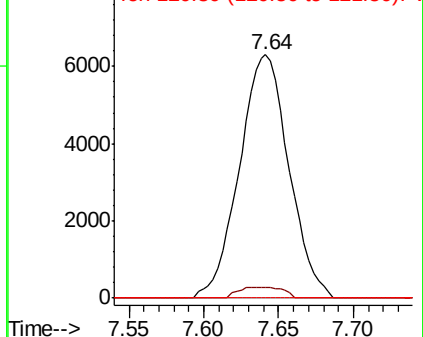


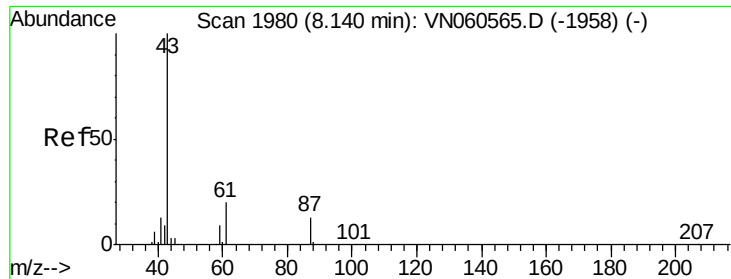
#38
Carbon Tetrachloride
Concen: 6.562 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060992.D
Acq: 16 Apr 2020 3:12

Tgt Ion: 117 Resp: 14475
Ion Ratio Lower Upper
117 100
119 4.6 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: 9.775 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060992.D

Acq: 16 Apr 2020 3:12

Instrument :

MSVOA_N

ClientSampleId :

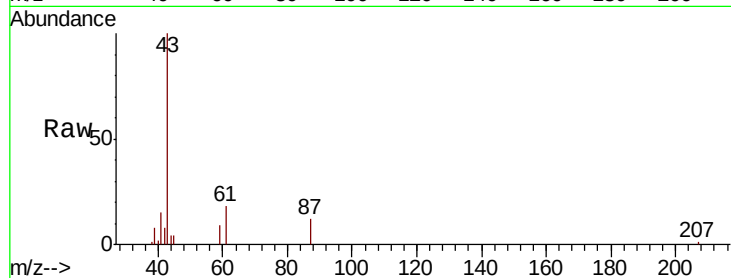
Tot Ion: 43 Resp: 42871

Ion Ratio Lower Upper

43 100

61 18.8 20.7 31.1#

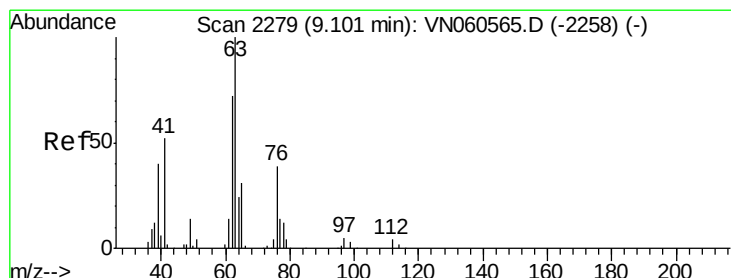
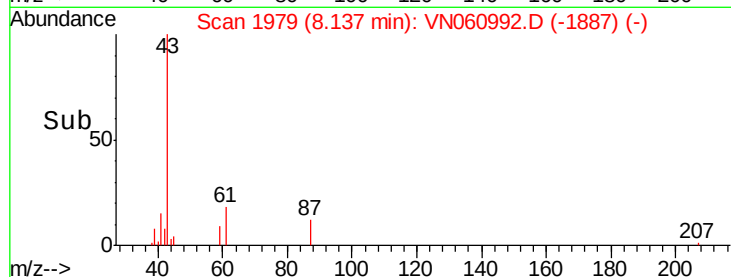
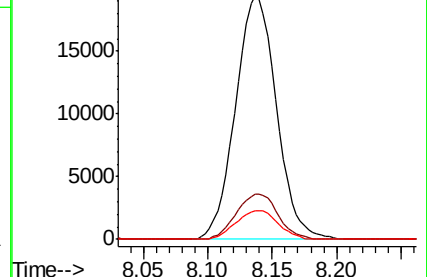
87 12.1 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN060565.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN060565.D (-1958) (-)



#45

1,2-Dichloropropane

Concen: 0.336 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060992.D

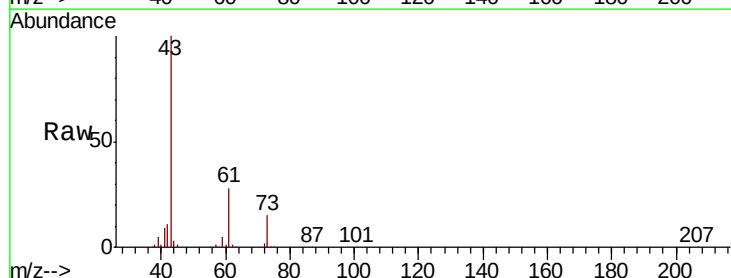
Acq: 16 Apr 2020 3:12

Tgt Ion: 63 Resp: 659

Ion Ratio Lower Upper

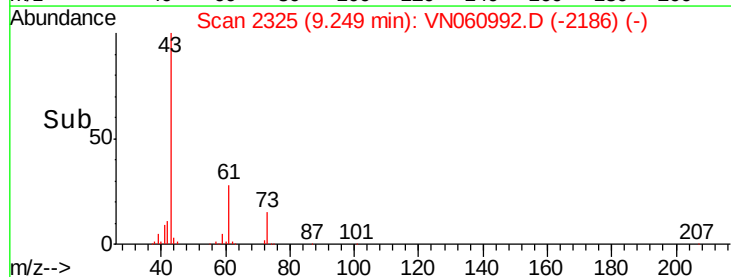
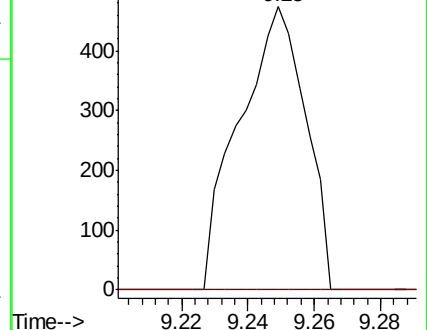
63 100

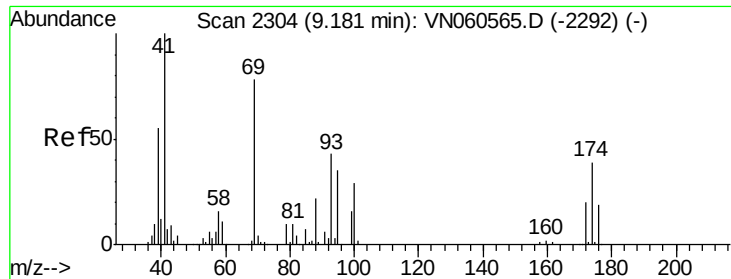
65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN060565.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060565.D (-2258) (-)

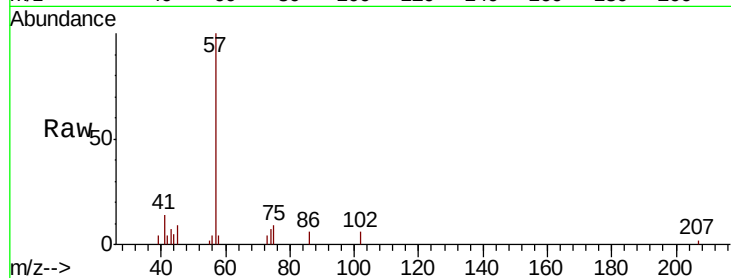




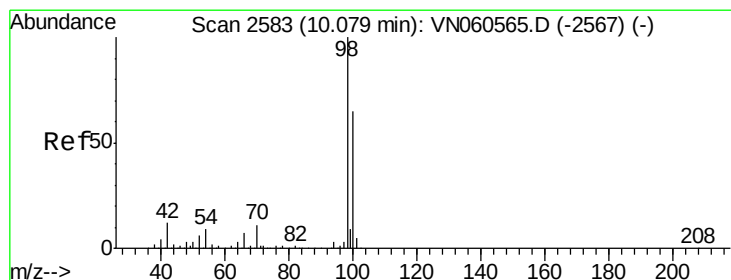
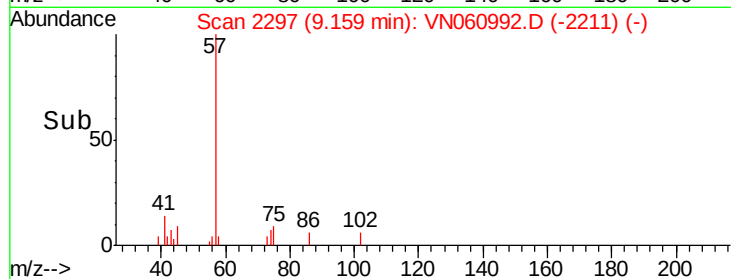
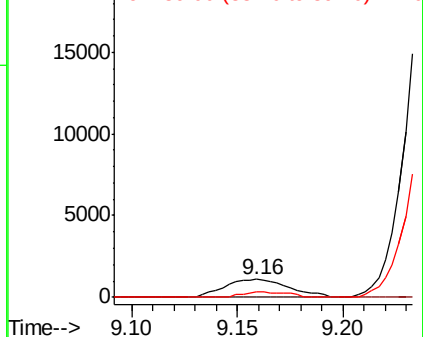
#48
Methvl methacrylate
Concen: 1.188 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060992.D
Acq: 16 Apr 2020 3:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 2320
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

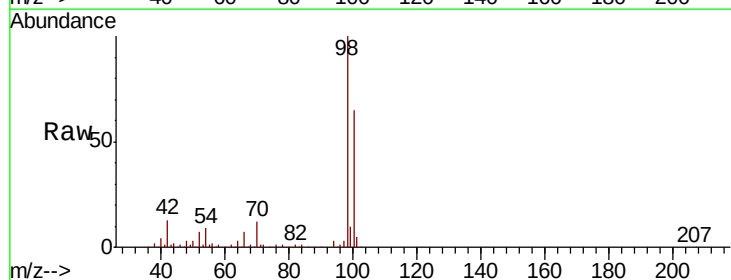


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

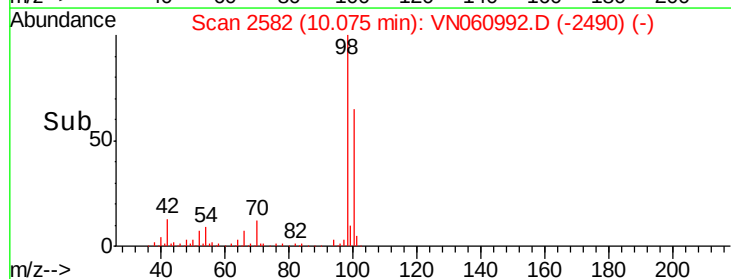
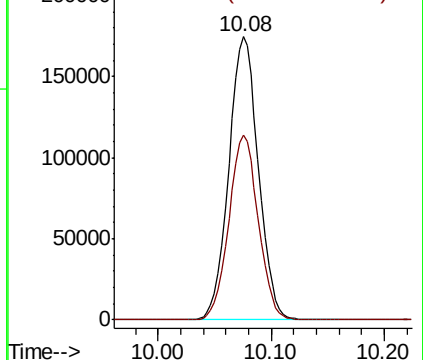


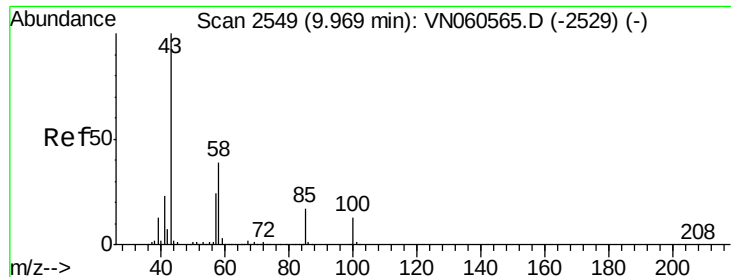
#50
Toluene-d8
Concen: 50.480 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060992.D
Acq: 16 Apr 2020 3:12

Tgt Ion: 98 Resp: 316899
Ion Ratio Lower Upper
98 100
100 64.9 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: 1.983 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060992.D

Acq: 16 Apr 2020 3:12

Instrument :

MSVOA_N

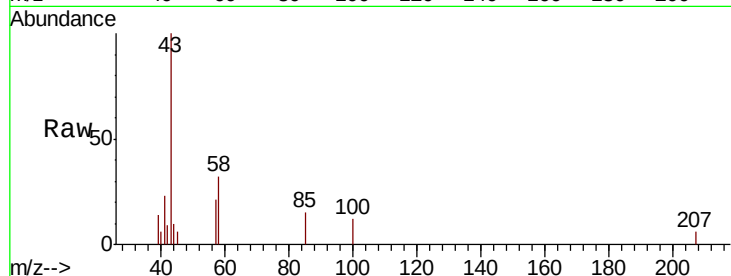
ClientSampled :

Tot Ion: 43 Resp: 4949

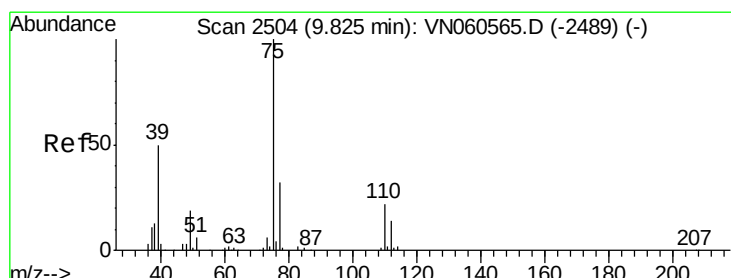
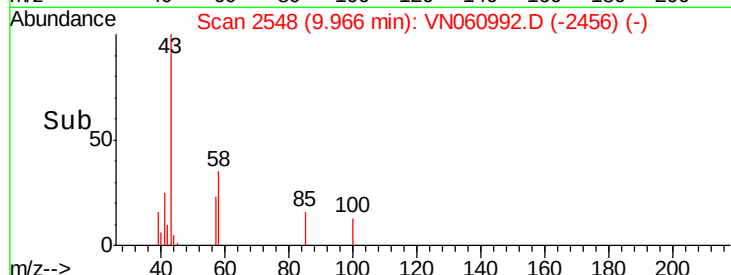
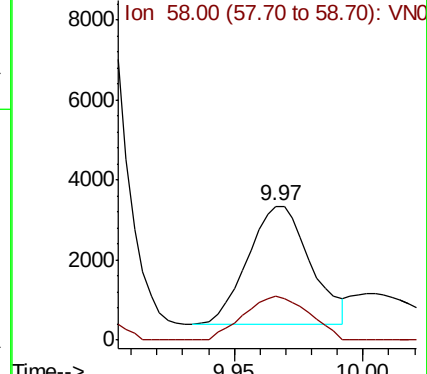
Ion Ratio Lower Upper

43 100

58 39.3 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060992.D (-2456) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.423 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060992.D

Acq: 16 Apr 2020 3:12

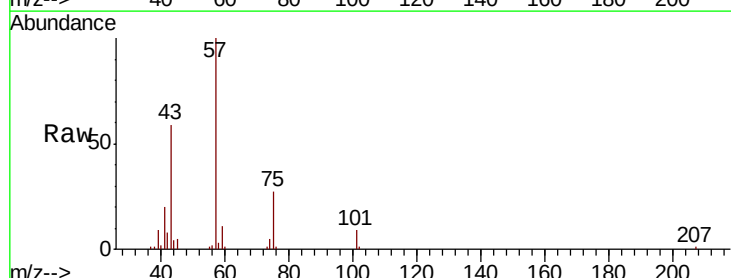
Tgt Ion: 75 Resp: 16832

Ion Ratio Lower Upper

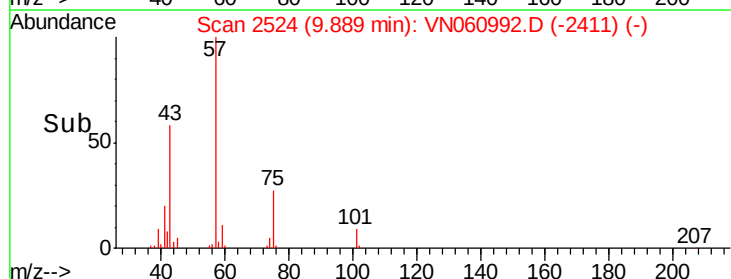
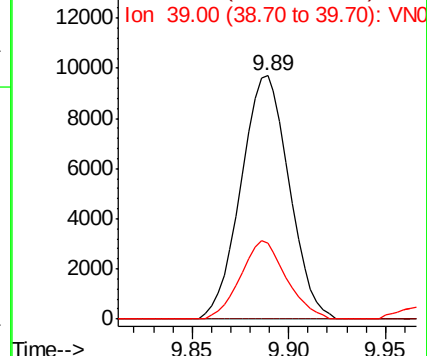
75 100

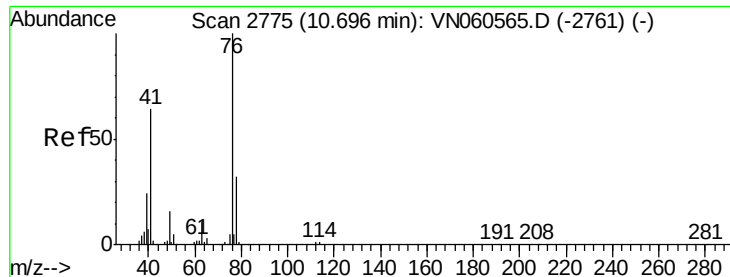
77 0.0 25.4 38.0#

39 31.1 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060992.D (-2411) (-)





#57

1,3-Dichloropropane

Concen: 0.822 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060992.D

Acq: 16 Apr 2020 3:12

Instrument :

MSVOA_N

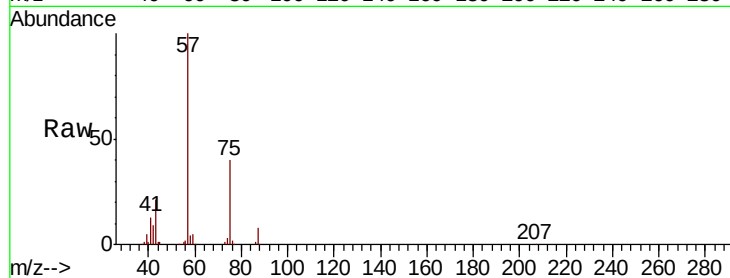
ClientSampled :

Tot Ion: 76 Resp: 2461

Ion Ratio Lower Upper

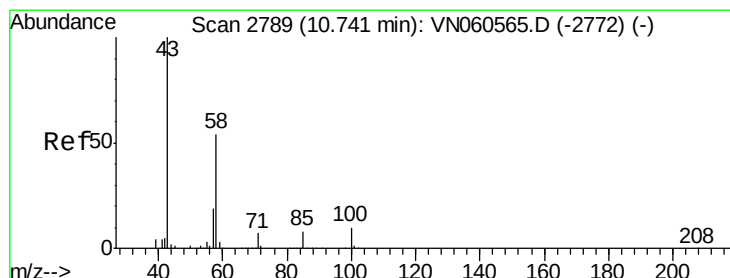
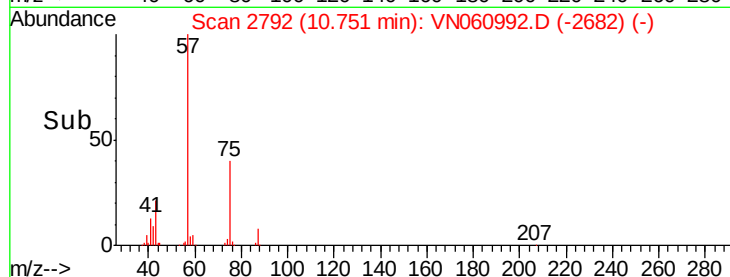
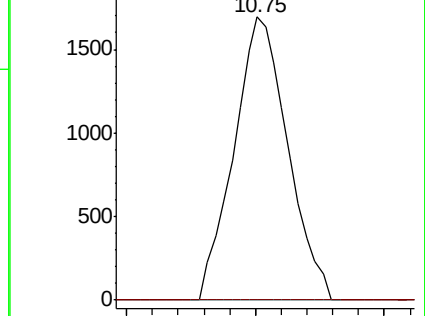
76 100

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: 20.270 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VN060992.D

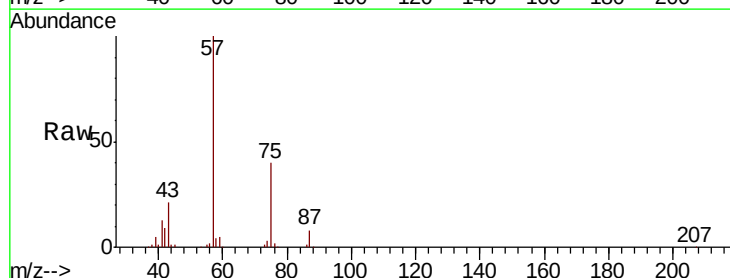
Acq: 16 Apr 2020 3:12

Tgt Ion: 43 Resp: 36442

Ion Ratio Lower Upper

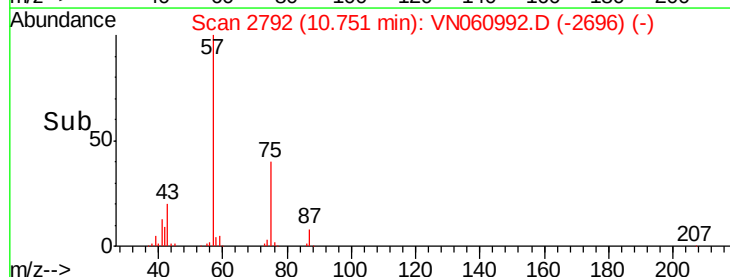
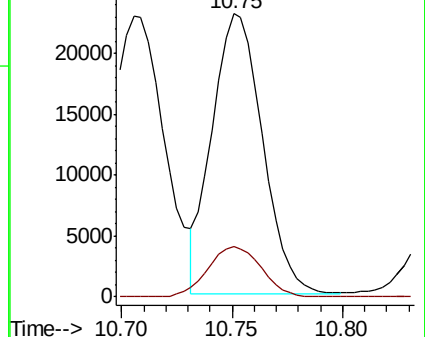
43 100

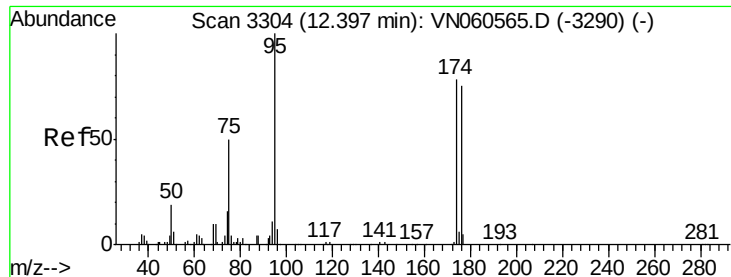
58 18.9 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 51.322 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060992.D

Acq: 16 Apr 2020 3:12

Instrument :

MSVOA_N

ClientSampled :

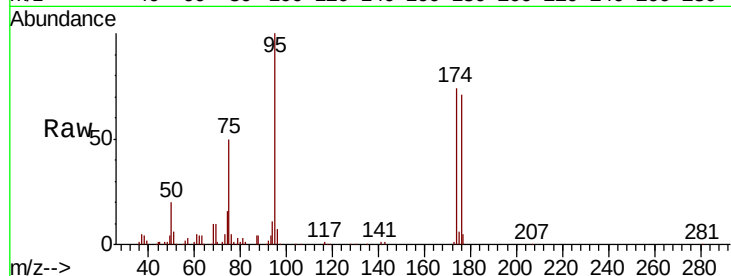
Tot Ion: 95 Resp: 118075

Ion Ratio Lower Upper

95 100

174 75.2 0.0 157.6

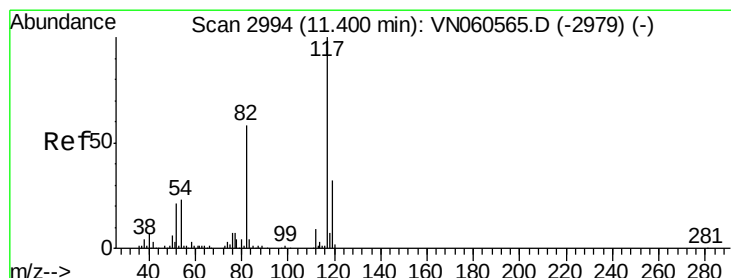
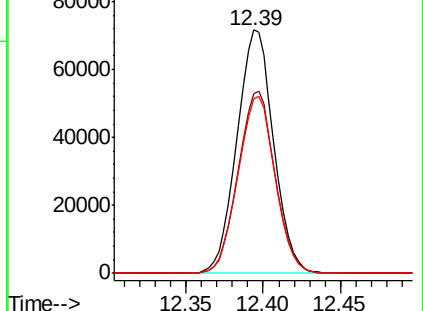
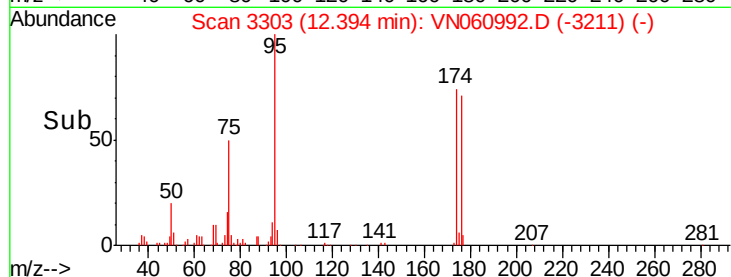
176 73.7 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060992.D (-2901) (-)

Ion 173.80 (173.50 to 174.50): VN060992.D (-2901) (-)

Ion 175.80 (175.50 to 176.50): VN060992.D (-2901) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060992.D

Acq: 16 Apr 2020 3:12

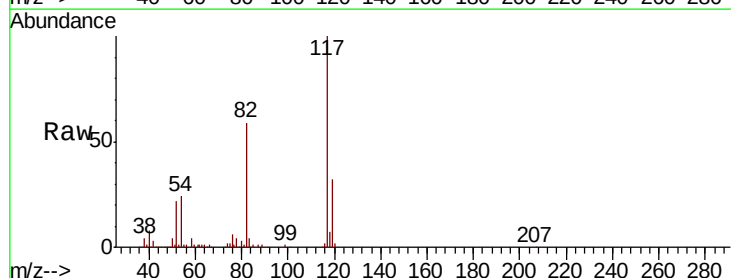
Tgt Ion: 117 Resp: 238343

Ion Ratio Lower Upper

117 100

82 58.9 46.7 70.1

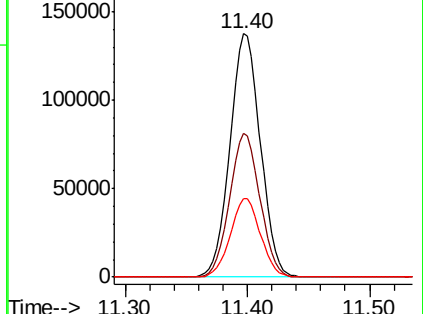
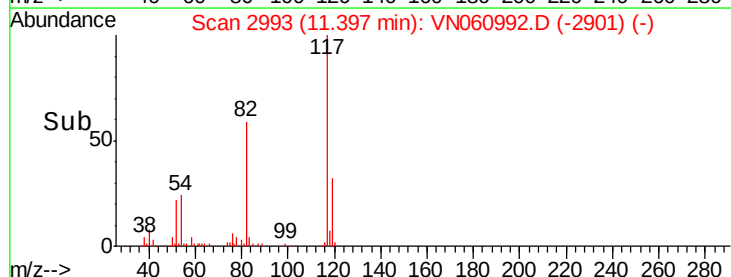
119 32.3 25.5 38.3

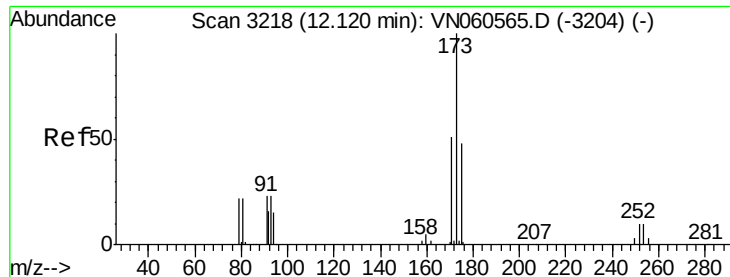


Abundance Ion 116.90 (116.60 to 117.60): VN060992.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060992.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060992.D (-2901) (-)





#71

Bromoform

Concen: 2.027 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060992.D

Acq: 16 Apr 2020 3:12

Instrument :

MSVOA_N

ClientSampleId :

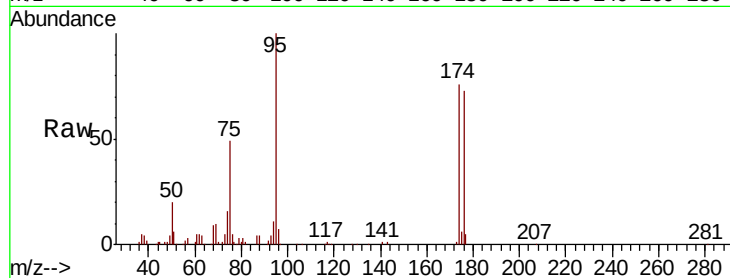
Tot Ion:173 Resp: 510

Ion Ratio Lower Upper

173 100

175 1158.8 24.1 72.4#

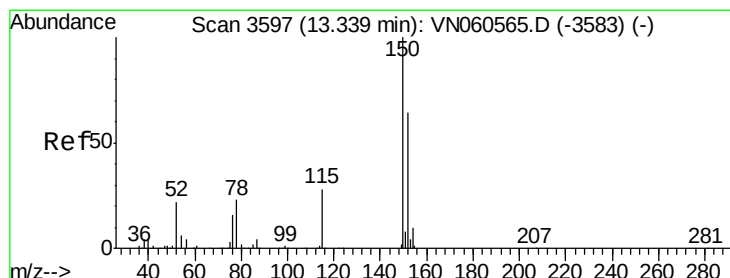
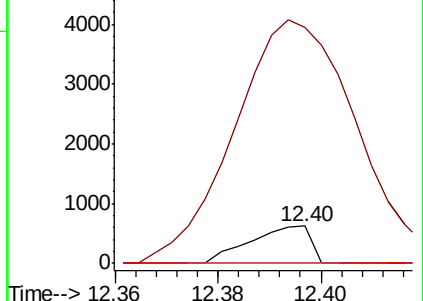
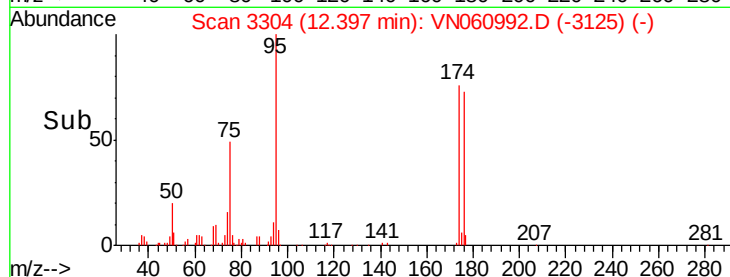
254 0.0 0.0 0.0



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: VN060992.D

Acq: 16 Apr 2020 3:12

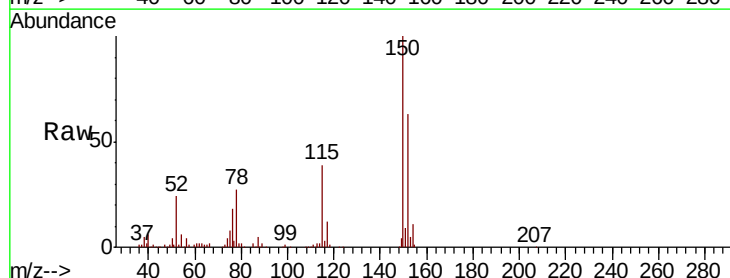
Tgt Ion:152 Resp: 105077

Ion Ratio Lower Upper

152 100

115 62.0 30.2 90.6

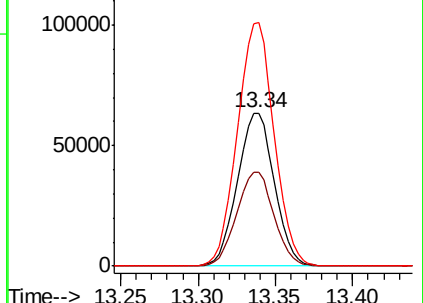
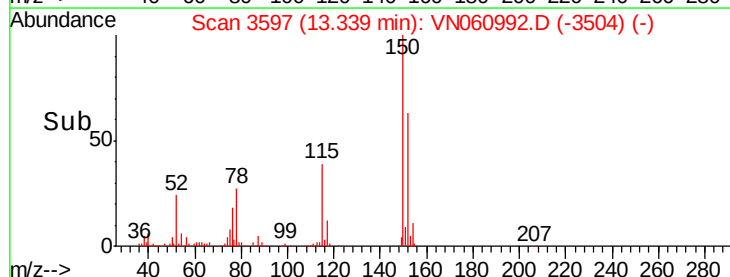
150 158.8 0.0 350.2

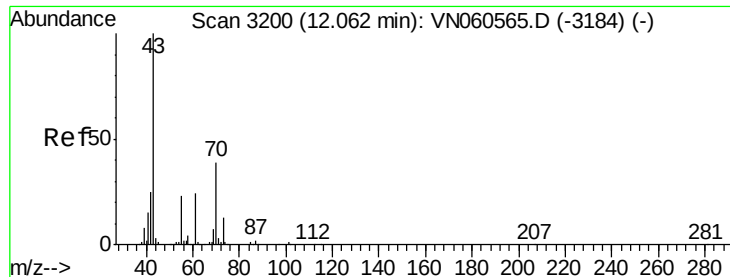


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

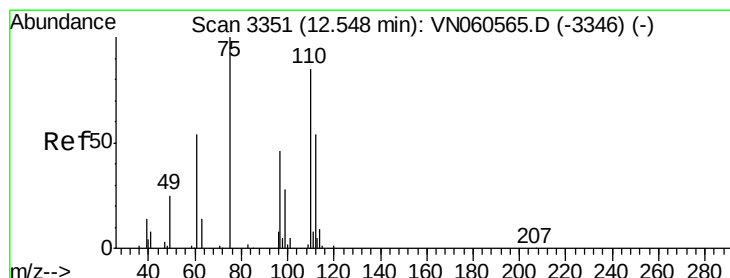
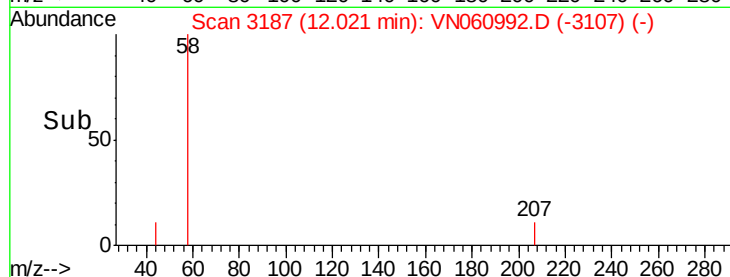
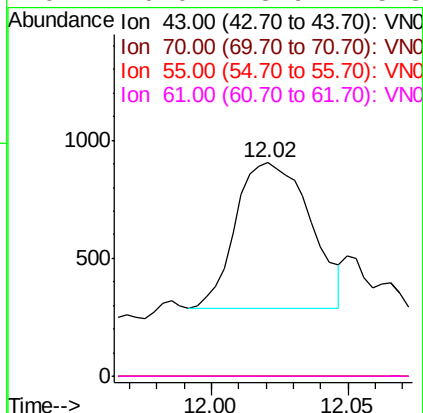
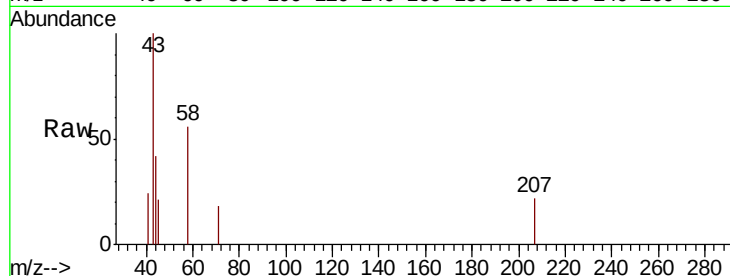




#74
N-amvl acetate
Concen: 0.322 ug/l
RT: 12.02 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VN060992.D
Acq: 16 Apr 2020 3:12

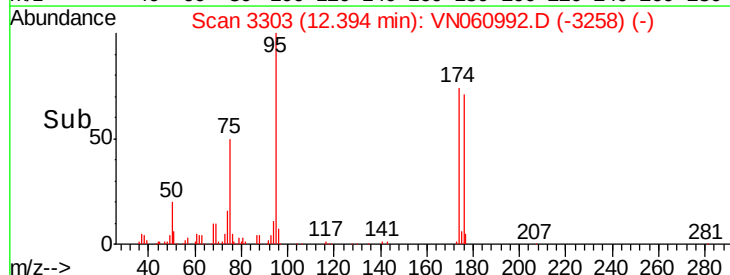
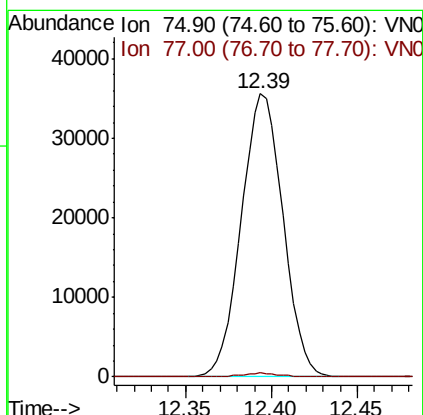
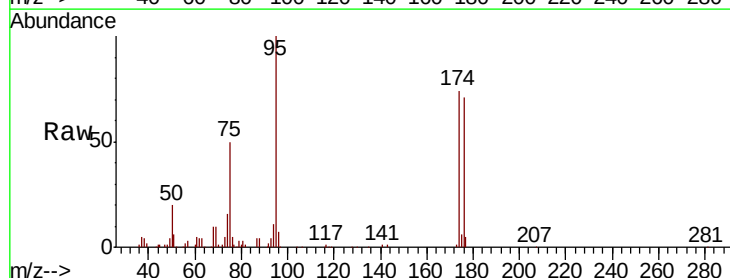
Instrument :
MSVOA_N
ClientSampled :

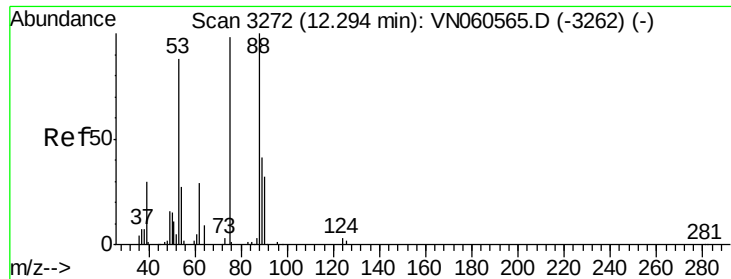
Tot Ion: 43 Resp: 1174
Ion Ratio Lower Upper
43 100
70 0.0 31.1 46.7#
55 0.0 18.6 27.8#
61 0.0 18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 26.481 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. -0.15 min
Lab File: VN060992.D
Acq: 16 Apr 2020 3:12

Tgt Ion: 75 Resp: 60042
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.012 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.10 min
 Lab File: VN060992.D
 Acq: 16 Apr 2020 3:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 60042
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

