

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060638.D
 Acq On : 19 Mar 2020 15:46
 Operator : JC/MD
 Sample : L1965-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 01:50:07 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	192944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	318188	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135115	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	126928	47.92	ug/l	0.00
Spiked Amount						
			Recovery	=	95.84%	
35) Dibromofluoromethane	7.57	113	95010	49.38	ug/l	0.00
Spiked Amount						
			Recovery	=	98.76%	
50) Toluene-d8	10.08	98	395808	50.37	ug/l	0.00
Spiked Amount						
			Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.40	95	147562	51.23	ug/l	0.00
Spiked Amount						
			Recovery	=	102.46%	

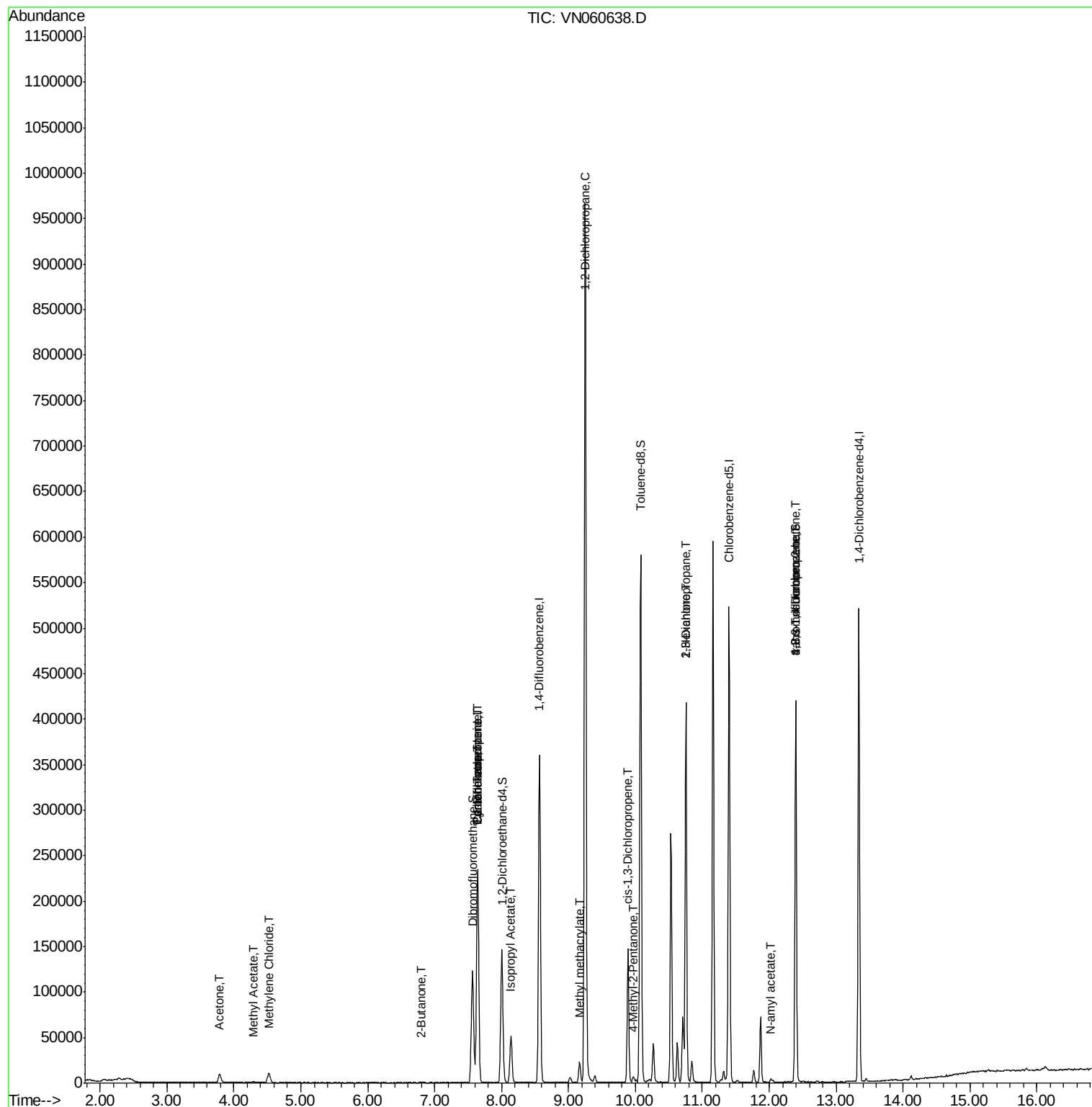
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	17557	18.713	ug/l	98
18) Methyl Acetate	4.30	43	1944	0.736	ug/l #	70
20) Methylene Chloride	4.53	84	7849	3.401	ug/l	96
25) 2-Butanone	6.81	43	553	0.364	ug/l #	50
31) Cyclohexane	7.64	56	4031	0.945	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15110	4.904	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18238	6.605	ug/l #	16
43) Isopropyl Acetate	8.14	43	61784	11.253	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1161	0.473	ug/l #	43
48) Methyl methacrylate	9.16	41	3373	1.380	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4844	1.550	ug/l	88
54) cis-1,3-Dichloropropene	9.89	75	25688	6.612	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	4113	1.097	ug/l #	42
59) 2-Hexanone	10.75	43	61563	27.354	ug/l #	52
74) N-amyl acetate	12.02	43	3142	0.671	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	74227	25.459	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	74227	65.387	ug/l #	13

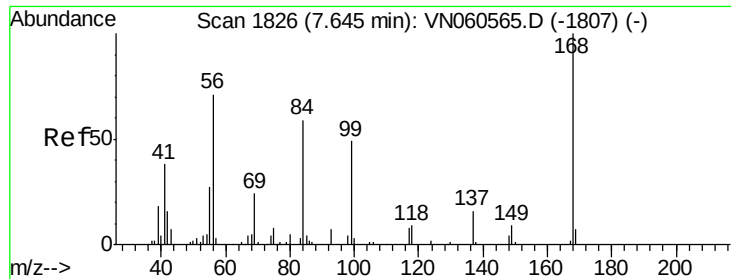
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060638.D

Acq: 19 Mar 2020 15:46

Instrument :

MSVOA_N

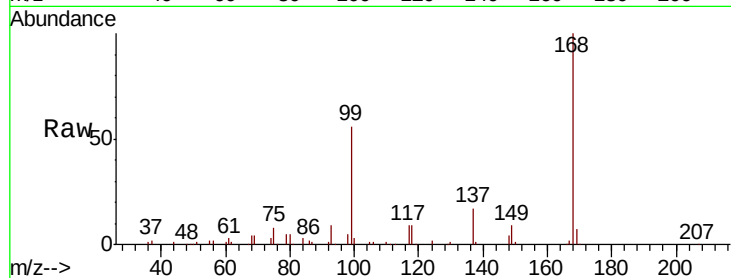
ClientSampleId :

Tot Ion:168 Resp: 192944

Ion Ratio Lower Upper

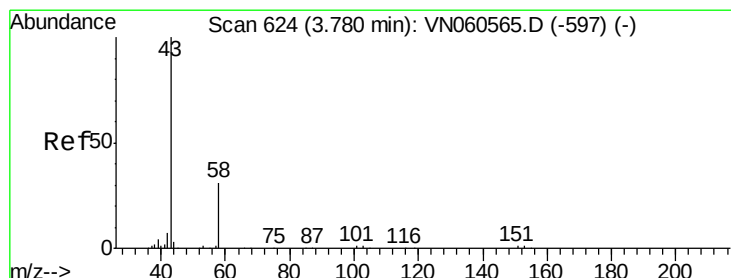
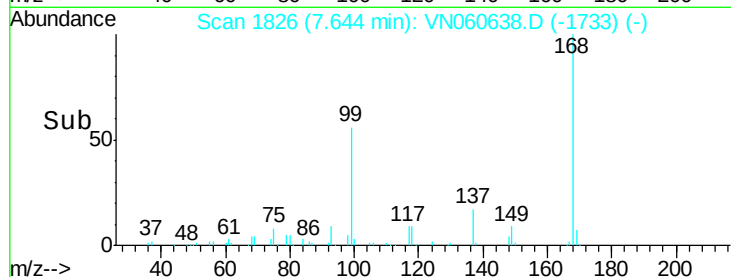
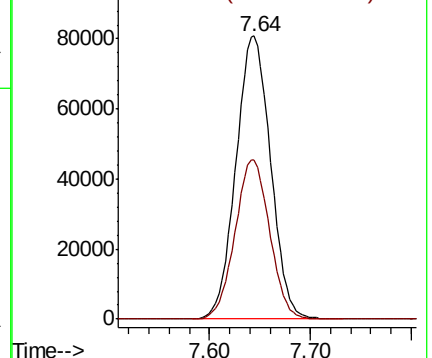
168 100

99 56.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 18.713 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060638.D

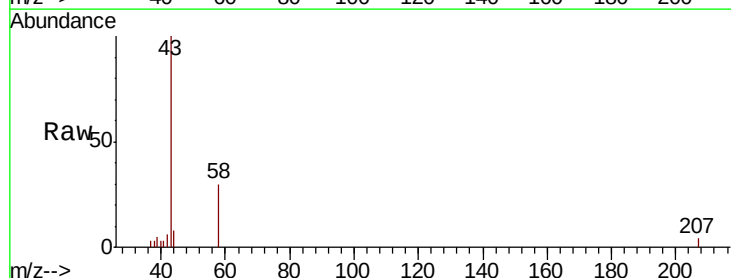
Acq: 19 Mar 2020 15:46

Tgt Ion: 43 Resp: 17557

Ion Ratio Lower Upper

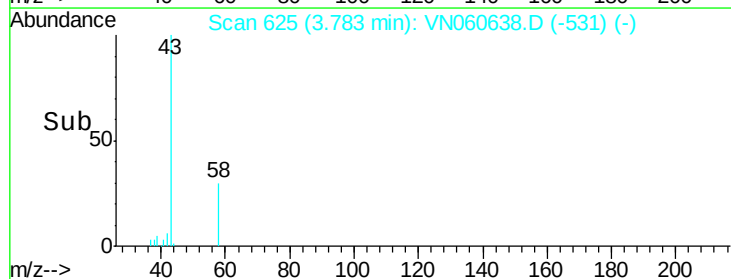
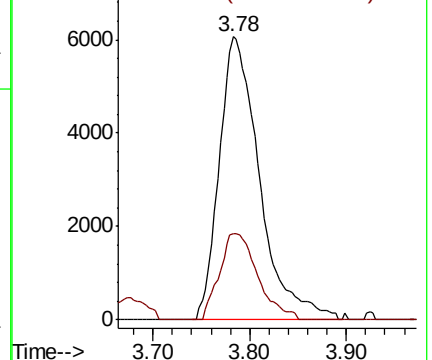
43 100

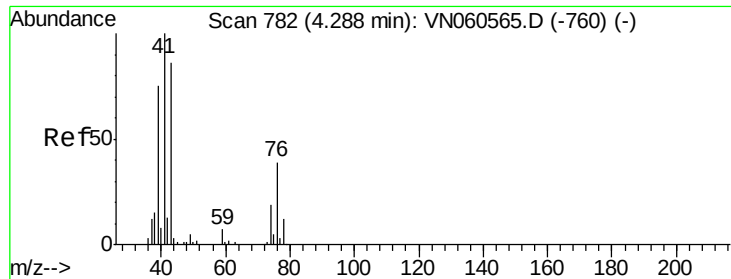
58 30.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

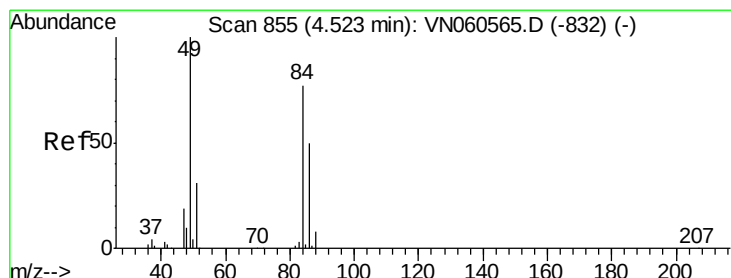
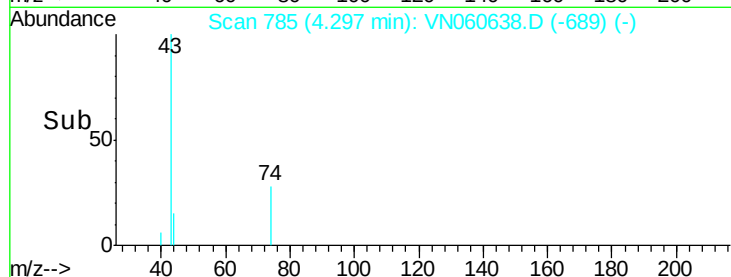
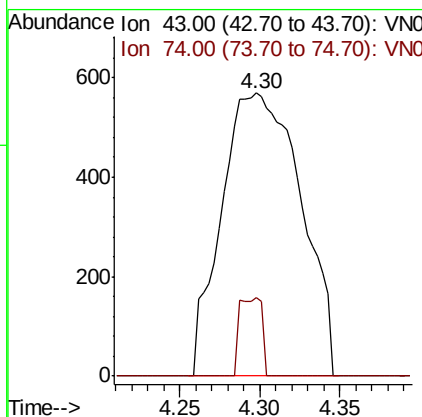
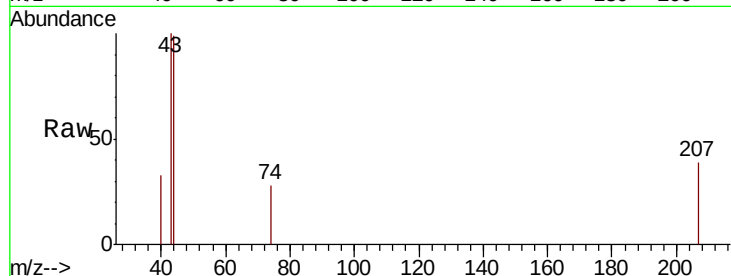




#18
Methvl Acetate
Concen: 0.736 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060638.D
Acq: 19 Mar 2020 15:46

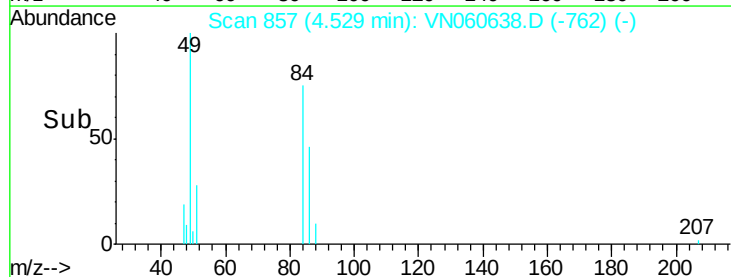
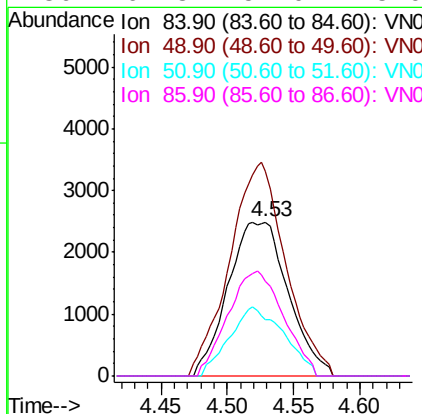
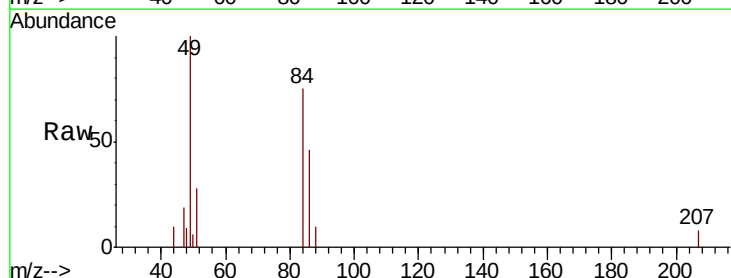
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MSVOA_N
ClientSampled :

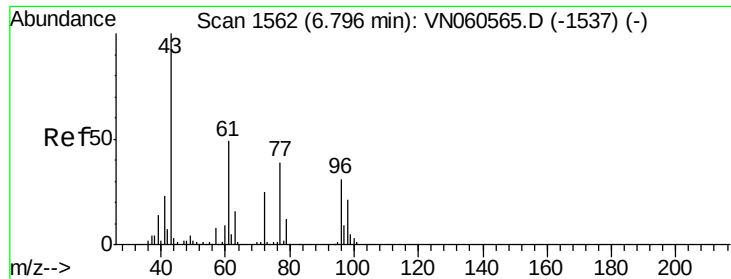
Tot Ion: 43 Resp: 1944
Ion Ratio Lower Upper
43 100
74 7.6 17.5 26.3#



#20
Methylene Chloride
Concen: 3.401 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060638.D
Acq: 19 Mar 2020 15:46

Tgt Ion: 84 Resp: 7849
Ion Ratio Lower Upper
84 100
49 133.1 103.3 154.9
51 36.9 31.6 47.4
86 61.8 52.0 78.0

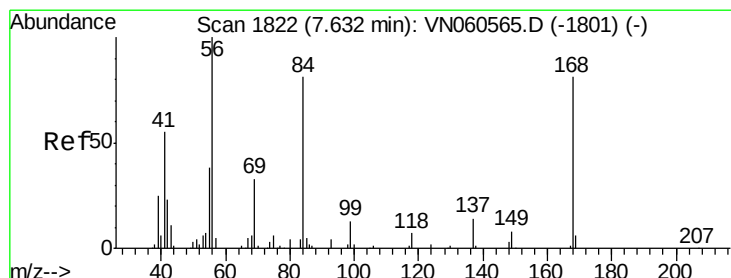
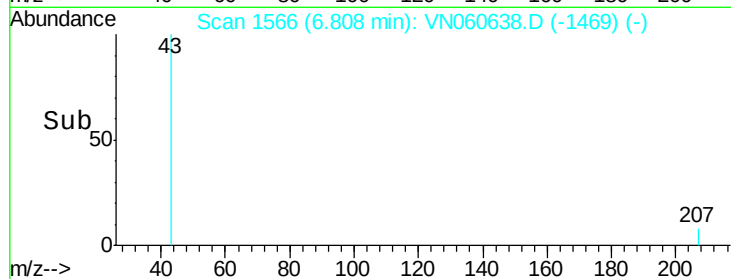
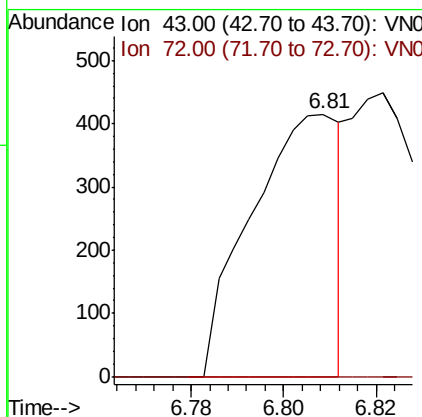
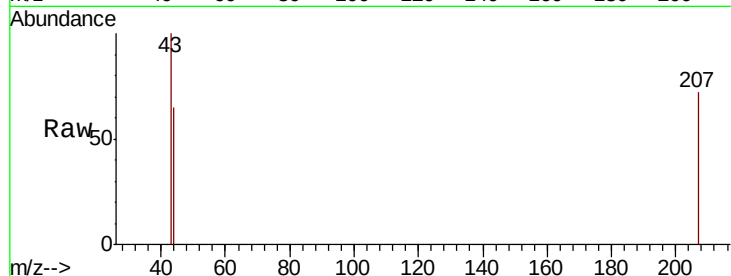




#25
2-Butanone
Concen: 0.364 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060638.D
Acq: 19 Mar 2020 15:46

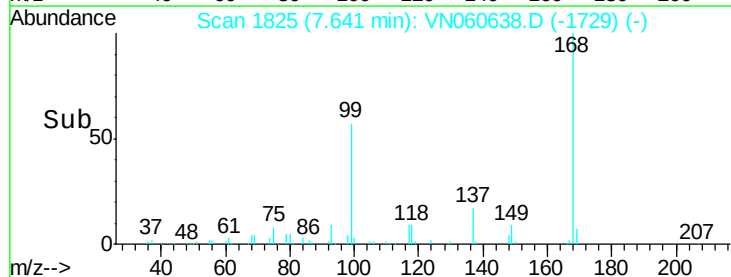
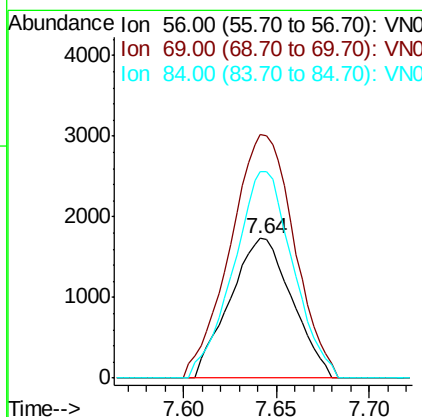
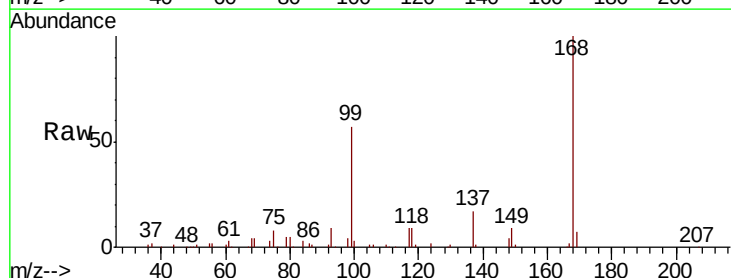
Instrument :
MSVOA_N
ClientSampled :

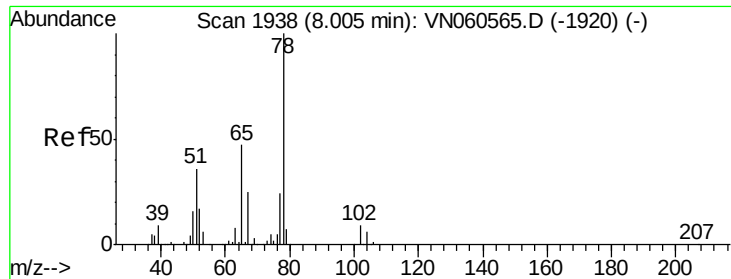
Tot Ion: 43 Resp: 553
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.945 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060638.D
Acq: 19 Mar 2020 15:46

Tgt Ion: 56 Resp: 4031
Ion Ratio Lower Upper
56 100
69 174.3 26.6 40.0#
84 147.8 64.3 96.5#

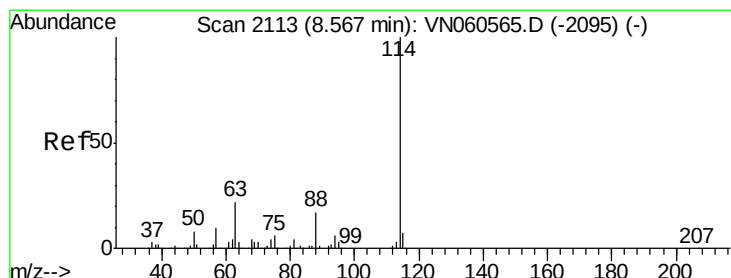
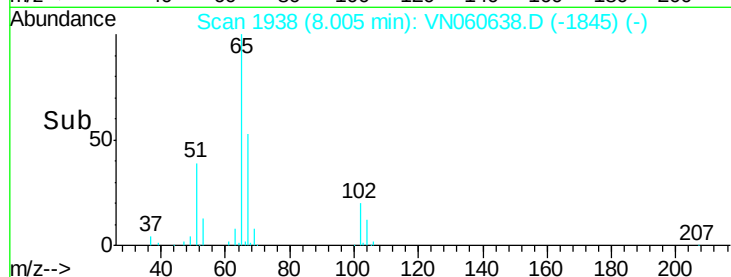
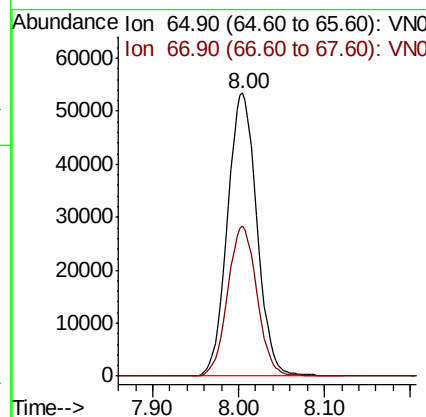
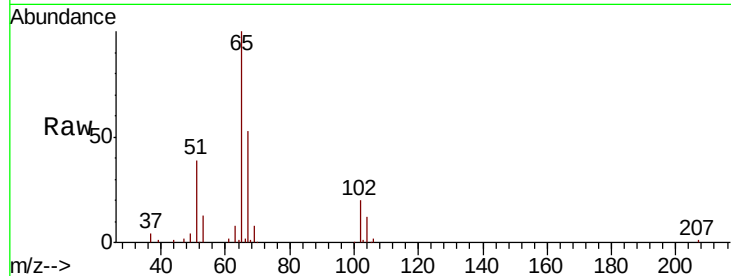




#33
 1,2-Dichloroethane-d4
 Concen: 47.921 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060638.D
 Acq: 19 Mar 2020 15:46

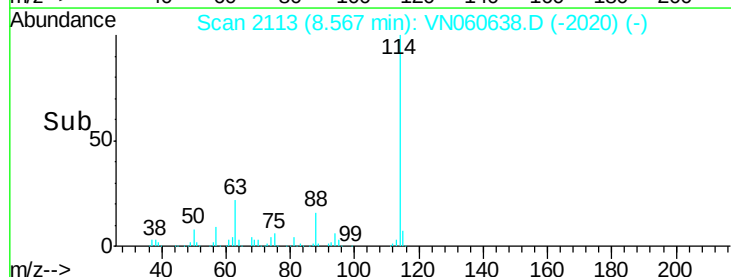
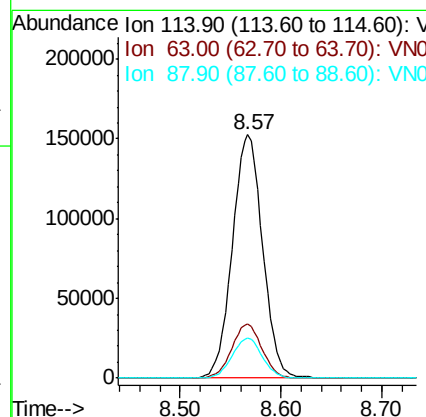
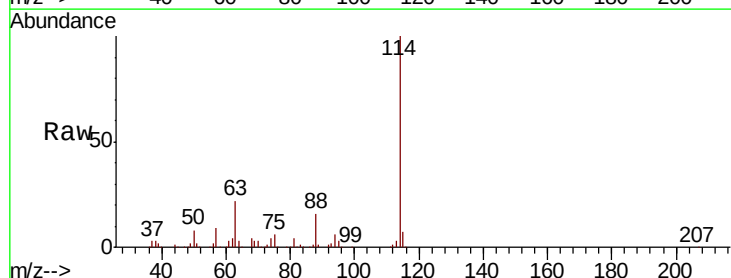
Instrument :
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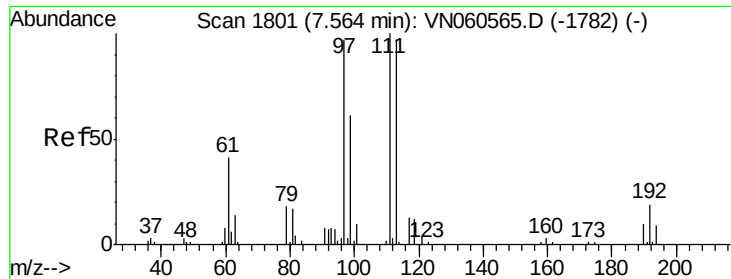
Tot Ion: 65 Resp: 126928
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060638.D
 Acq: 19 Mar 2020 15:46

Tgt Ion: 114 Resp: 318188
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 16.4 0.0 33.0

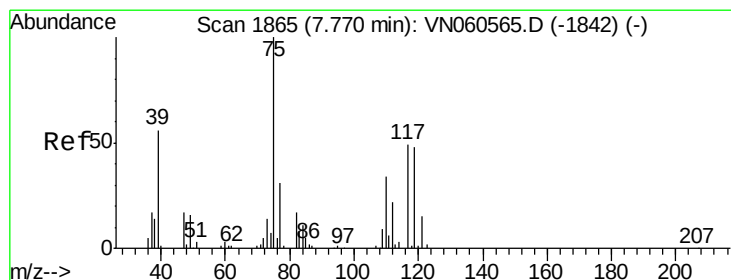
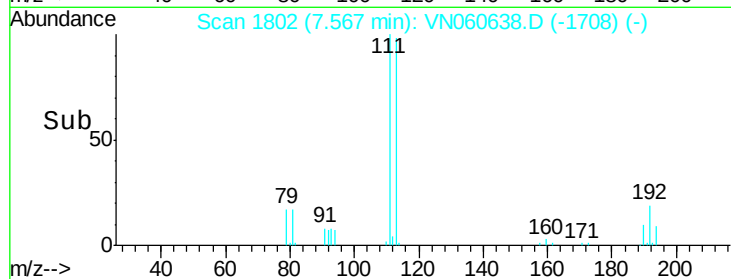
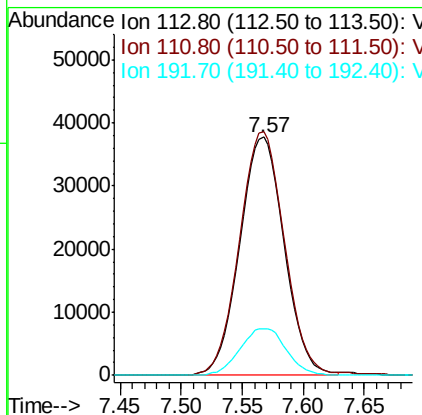
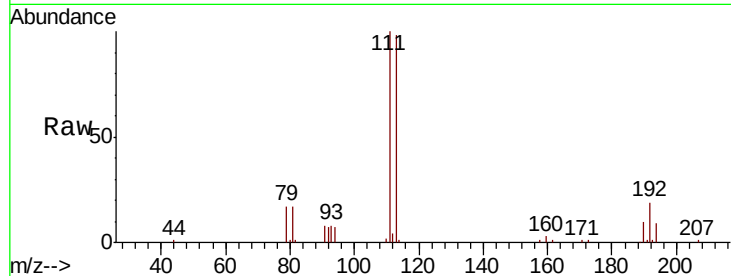




#35
 Dibromofluoromethane
 Concen: 49.382 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060638.D
 Acq: 19 Mar 2020 15:46

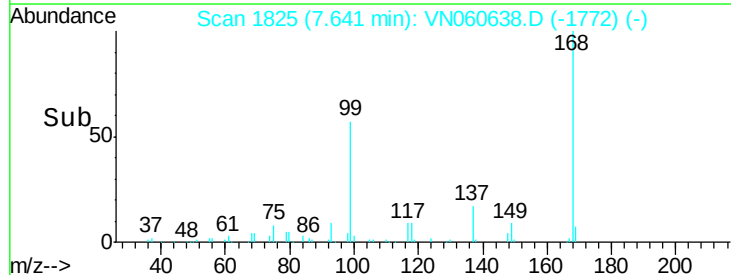
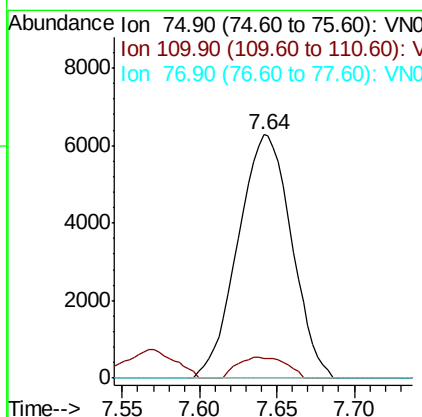
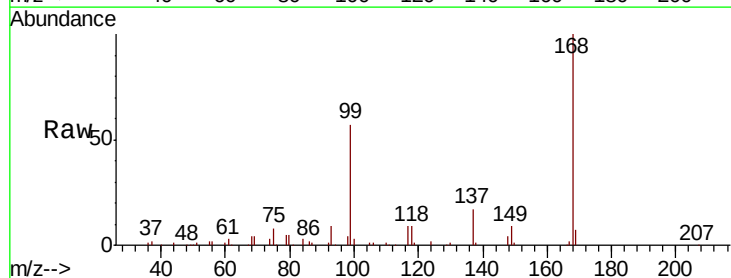
Instrument :
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 ClientSampled :

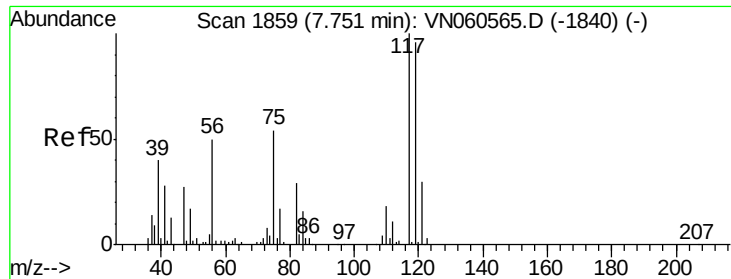
Tot Ion:113 Resp: 95010
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.9 124.3
 192 20.4 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.904 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060638.D
 Acq: 19 Mar 2020 15:46

Tgt Ion: 75 Resp: 15110
 Ion Ratio Lower Upper
 75 100
 110 7.6 16.9 50.6#
 77 0.0 24.6 36.8#

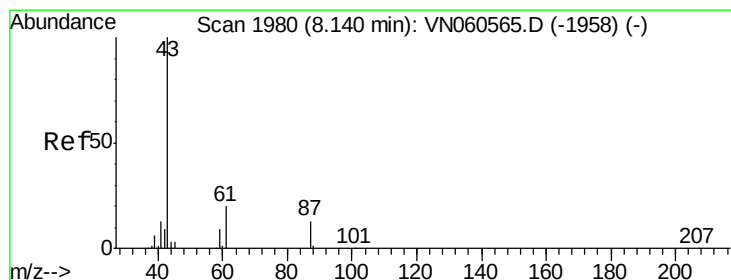
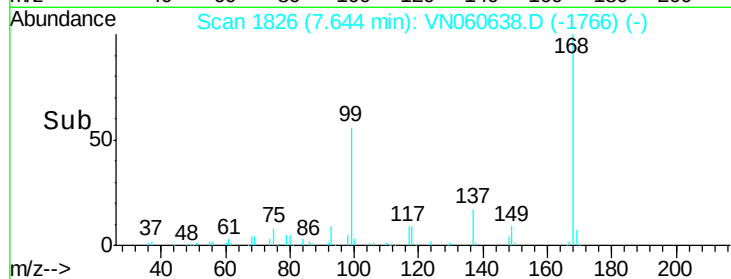
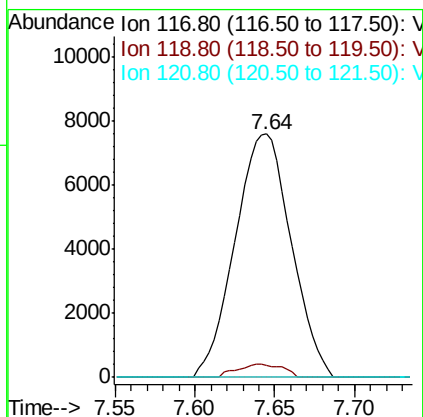
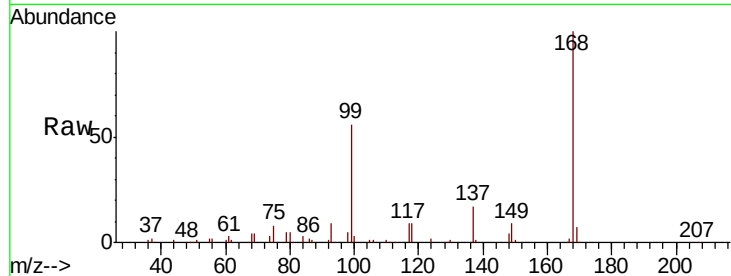




#38
Carbon Tetrachloride
Concen: 6.605 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060638.D
Acq: 19 Mar 2020 15:46

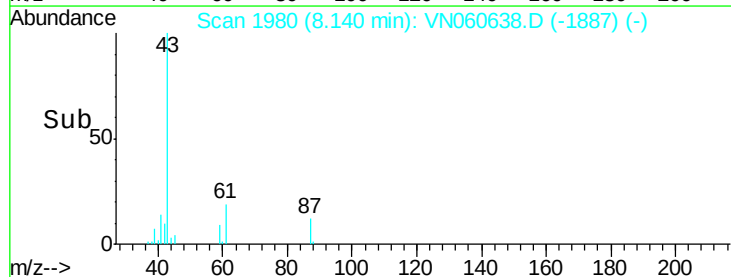
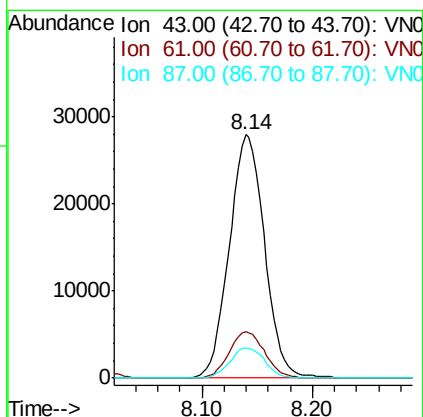
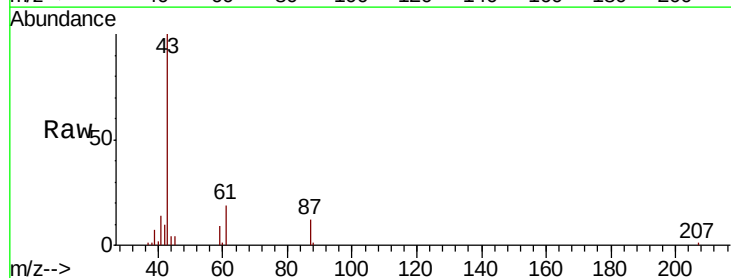
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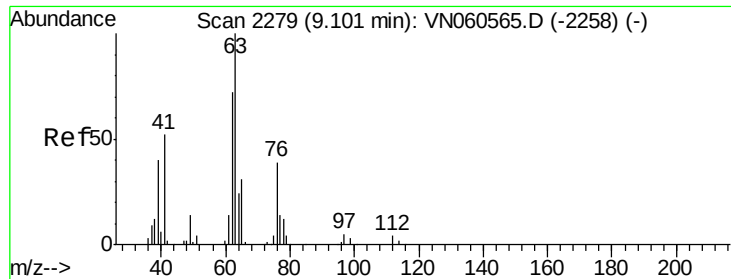
Tot Ion:117 Resp: 18238
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 23.7 35.5#



#43
Isopropyl Acetate
Concen: 11.253 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060638.D
Acq: 19 Mar 2020 15:46

Tgt Ion: 43 Resp: 61784
Ion Ratio Lower Upper
43 100
61 19.2 20.7 31.1#
87 12.2 9.8 14.8

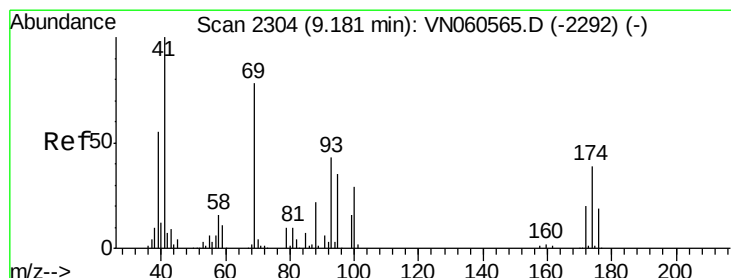
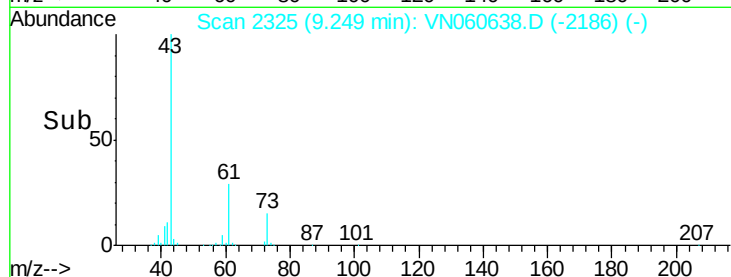
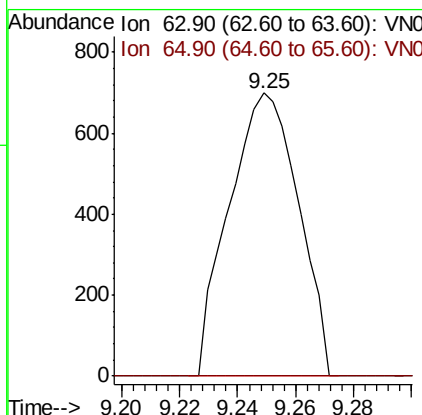
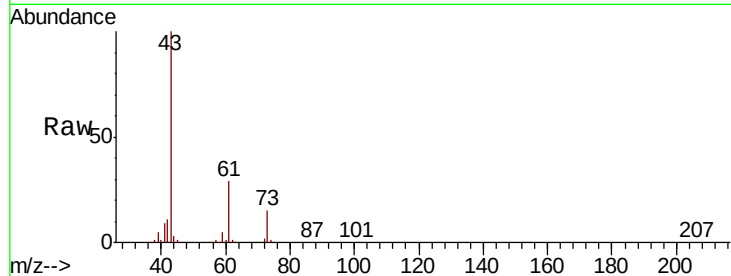




#45
 1,2-Dichloropropane
 Concen: 0.473 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN060638.D
 Acq: 19 Mar 2020 15:46

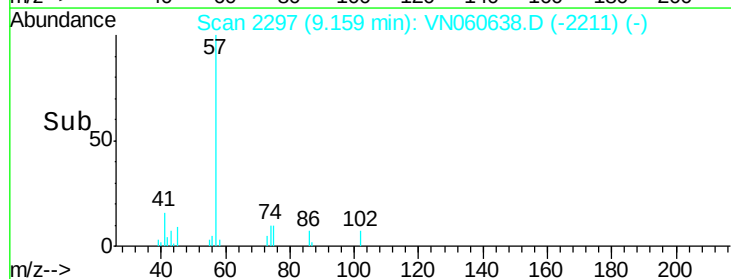
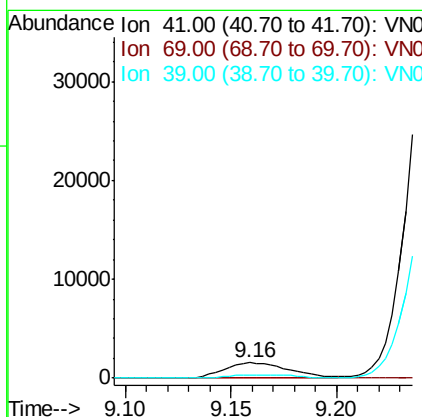
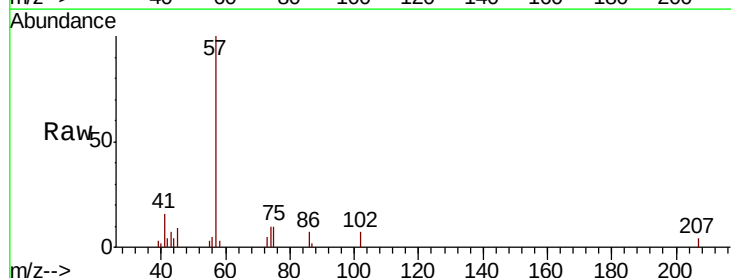
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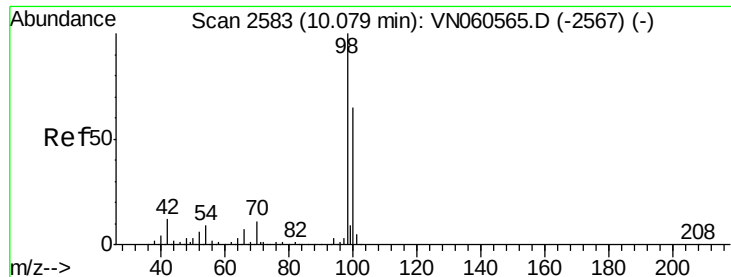
Tot Ion: 63 Resp: 1161
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.380 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060638.D
 Acq: 19 Mar 2020 15:46

Tgt Ion: 41 Resp: 3373
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 50.365 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060638.D

Acq: 19 Mar 2020 15:46

Instrument :

MSVOA_N

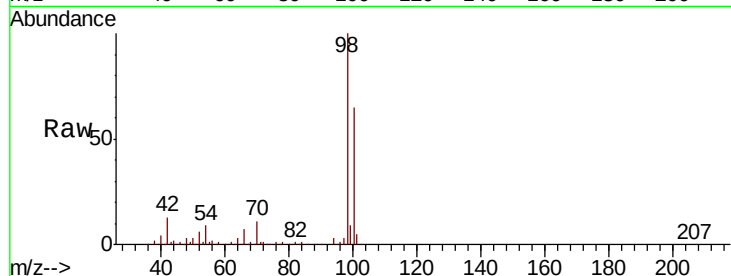
ClientSampleId :

Tot Ion: 98 Resp: 395808

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060565.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060565.D (-2567) (-)

10.08

250000

200000

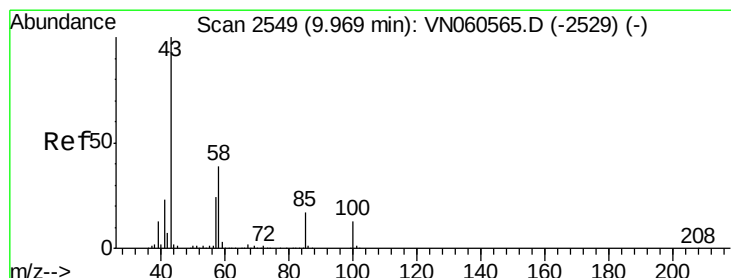
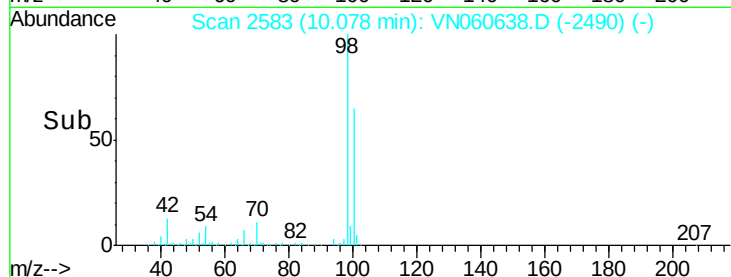
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.550 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060638.D

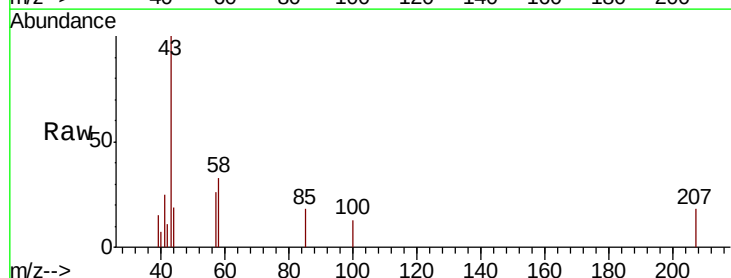
Acq: 19 Mar 2020 15:46

Tgt Ion: 43 Resp: 4844

Ion Ratio Lower Upper

43 100

58 31.4 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

10000

8000

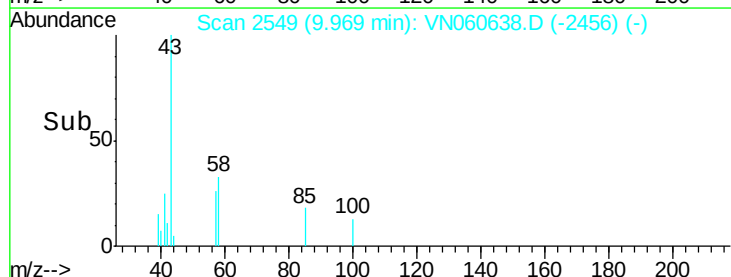
6000

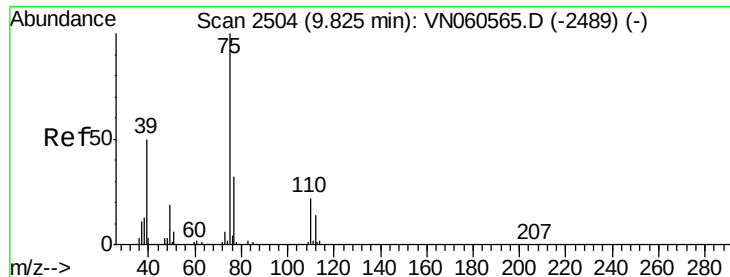
4000

2000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.612 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060638.D

Acq: 19 Mar 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

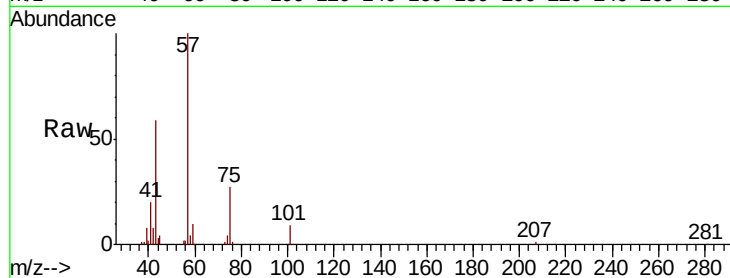
Tot Ion: 75 Resp: 25688

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

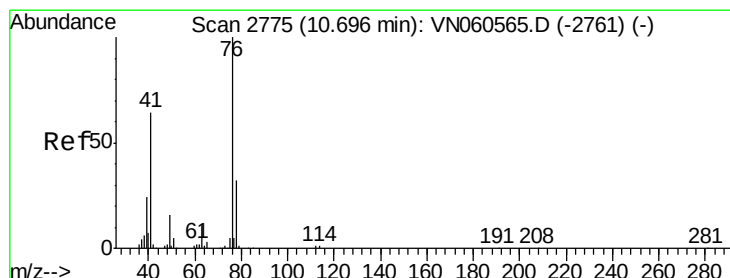
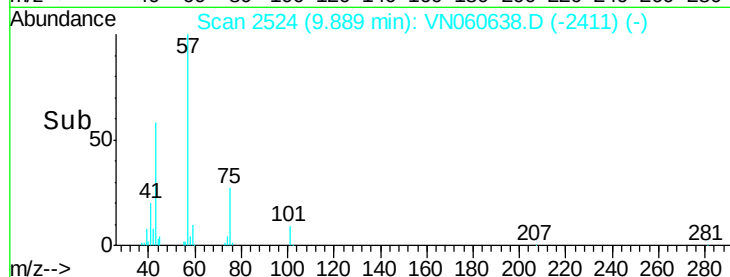
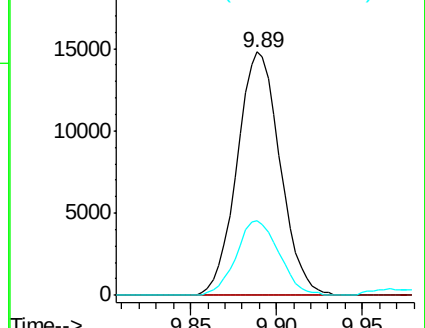
39 30.9 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060638.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060638.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060638.D (-2411) (-)



#57

1,3-Dichloropropane

Concen: 1.097 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060638.D

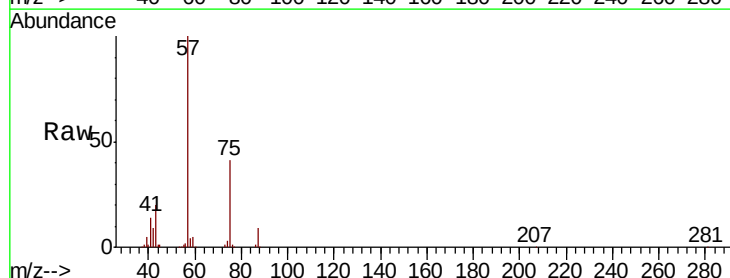
Acq: 19 Mar 2020 15:46

Tgt Ion: 76 Resp: 4113

Ion Ratio Lower Upper

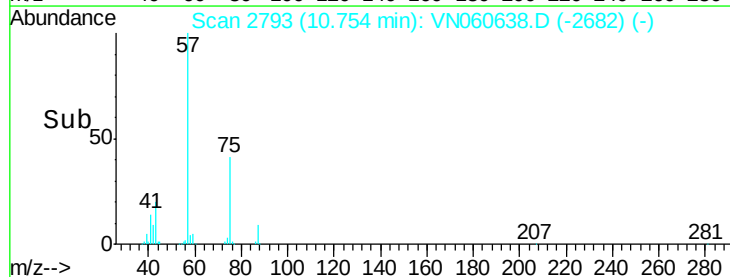
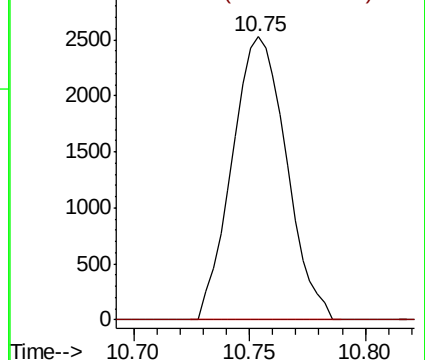
76 100

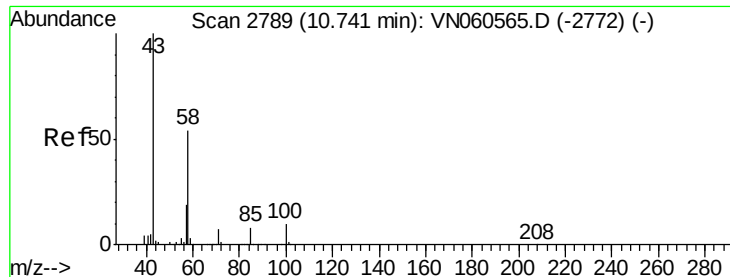
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN060638.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060638.D (-2682) (-)

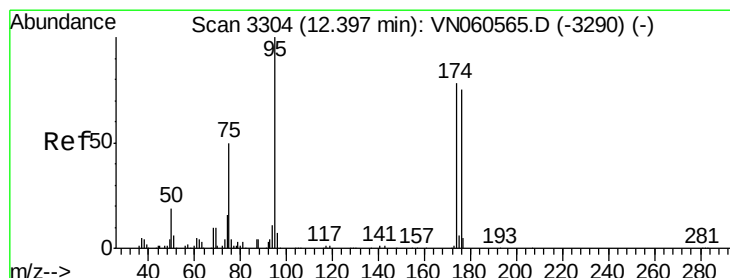
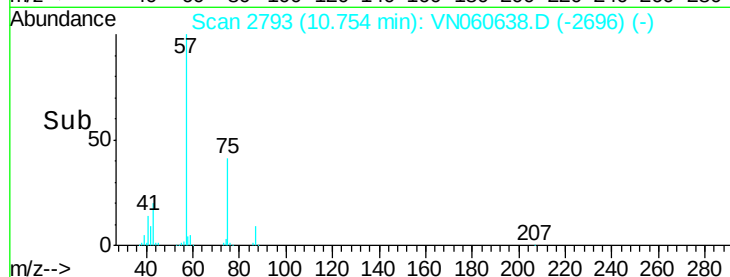
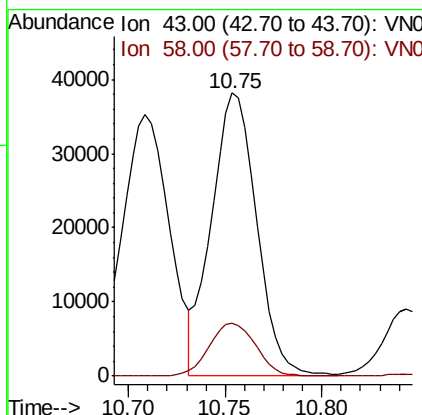
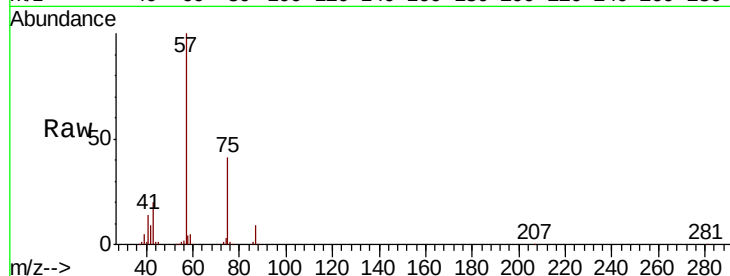




#59
2-Hexanone
Concen: 27.354 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060638.D
Acq: 19 Mar 2020 15:46

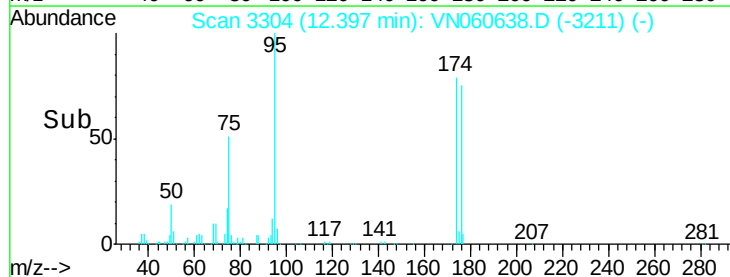
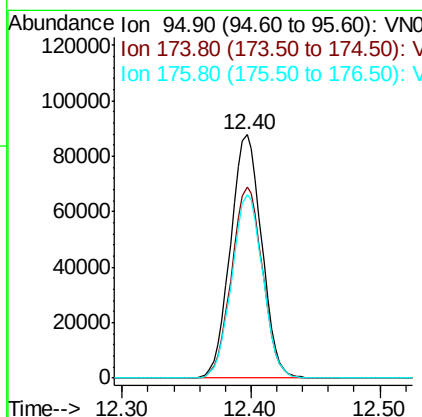
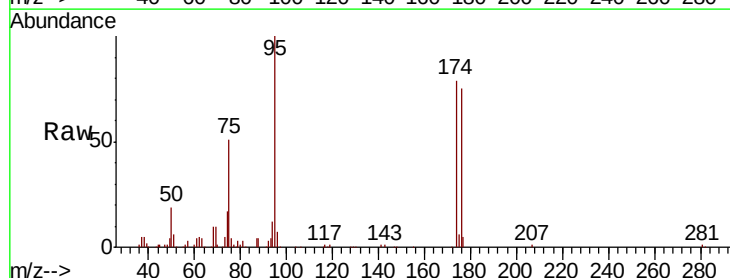
Instrument :
MSVOA_N
ClientSampleId :

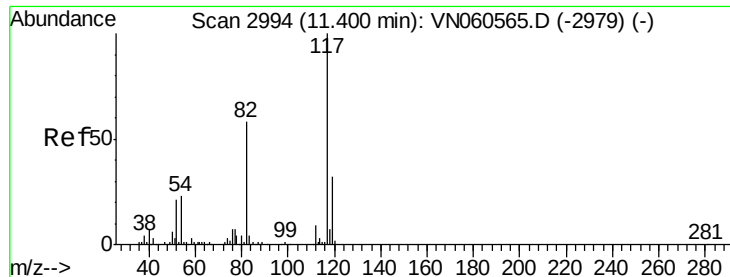
Tot Ion: 43 Resp: 61563
Ion Ratio Lower Upper
43 100
58 19.3 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.235 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060638.D
Acq: 19 Mar 2020 15:46

Tgt Ion: 95 Resp: 147562
Ion Ratio Lower Upper
95 100
174 78.3 0.0 157.6
176 75.1 0.0 150.6

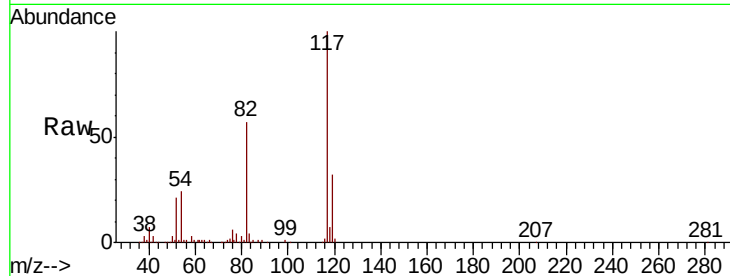




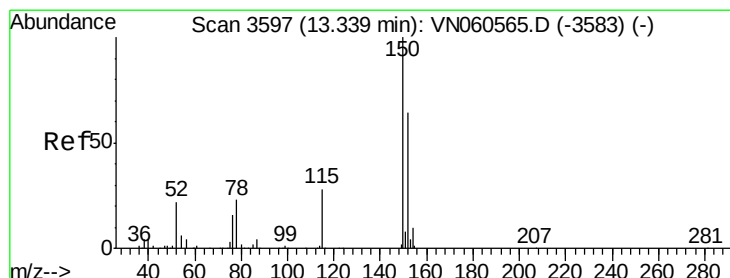
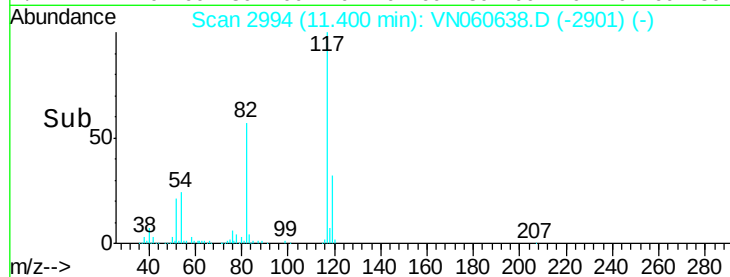
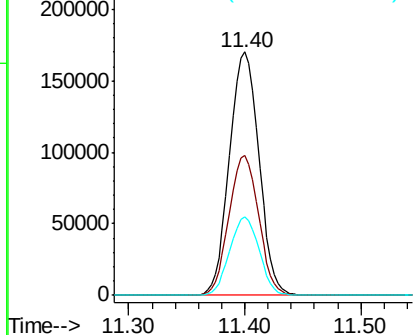
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060638.D
Acq: 19 Mar 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 299952
Ion Ratio Lower Upper
117 100
82 57.4 46.7 70.1
119 32.1 25.5 38.3

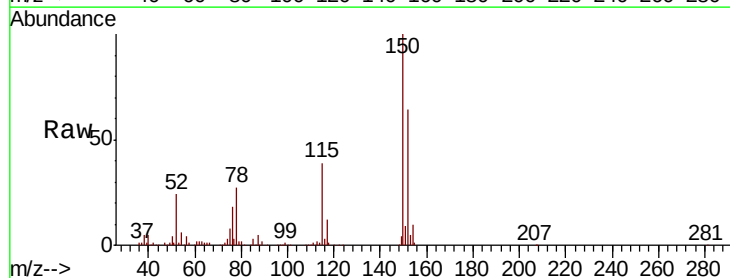


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

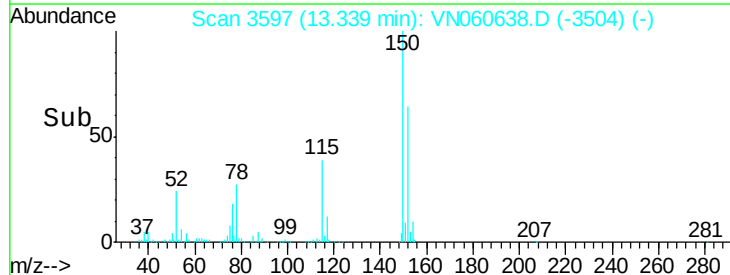
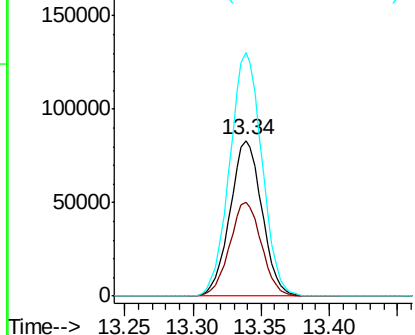


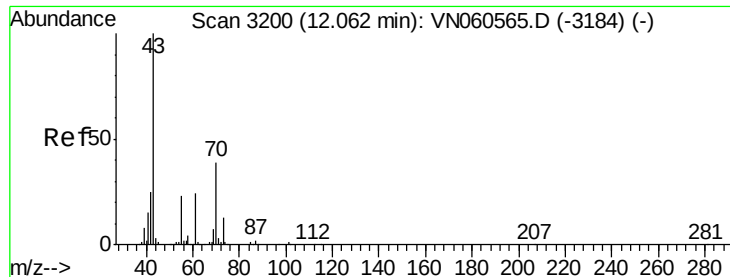
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060638.D
Acq: 19 Mar 2020 15:46

Tgt Ion:152 Resp: 135115
Ion Ratio Lower Upper
152 100
115 60.1 30.2 90.6
150 158.3 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

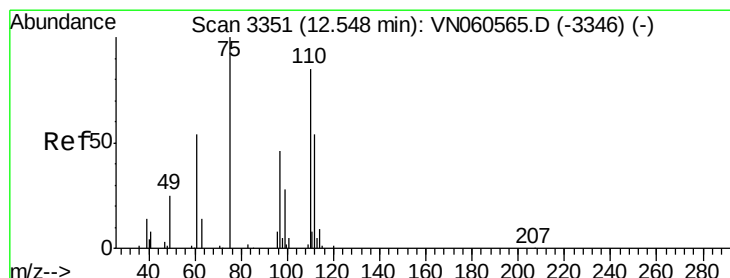
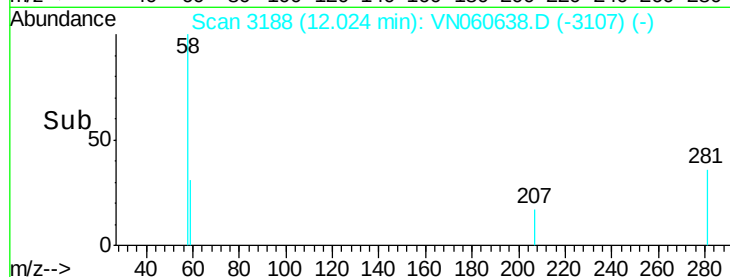
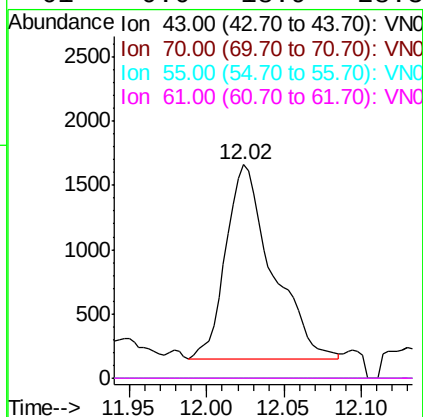
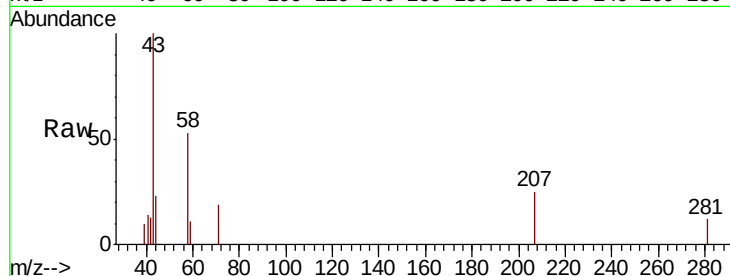




#74
N-amyl acetate
Concen: 0.671 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060638.D
Acq: 19 Mar 2020 15:46

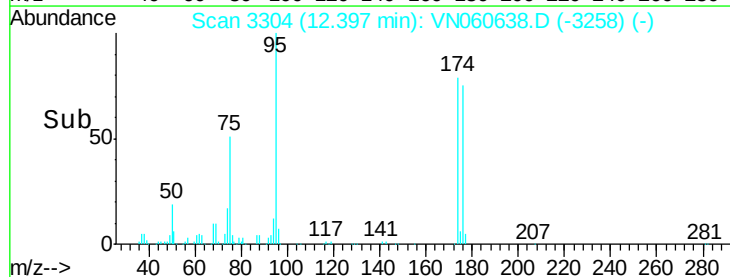
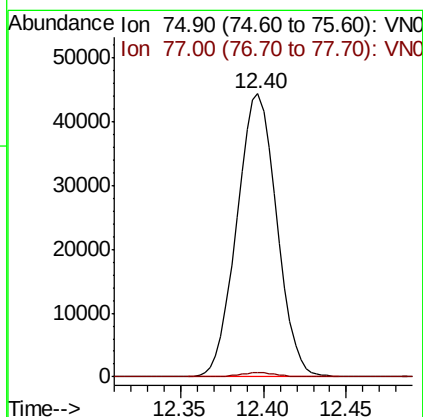
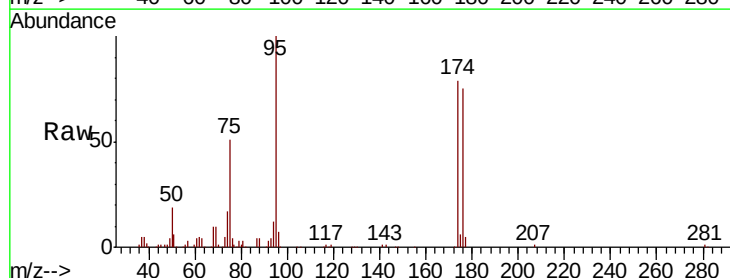
Instrument :
MSVOA_N
ClientSampled :

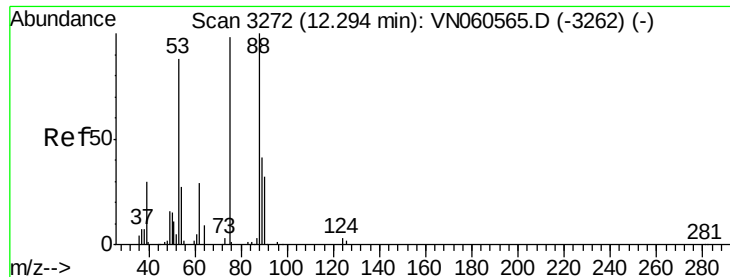
Tot Ion:	43	Resp:	3142
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.1	46.7#
55	0.0	18.6	27.8#
61	0.0	18.9	28.3#



#76
1,2,3-Trichloropropane
Concen: 25.459 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060638.D
Acq: 19 Mar 2020 15:46

Tgt Ion:	75	Resp:	74227
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.387 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060638.D
 Acq: 19 Mar 2020 15:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 74227
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

