

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060640.D
 Acq On : 19 Mar 2020 16:32
 Operator : JC/MD
 Sample : L1978-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 01:50:33 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	198567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	328752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139604	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	129477	47.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.00%	
35) Dibromofluoromethane	7.57	113	98278	49.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.88%	
50) Toluene-d8	10.08	98	404602	49.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	150928	50.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.44%	

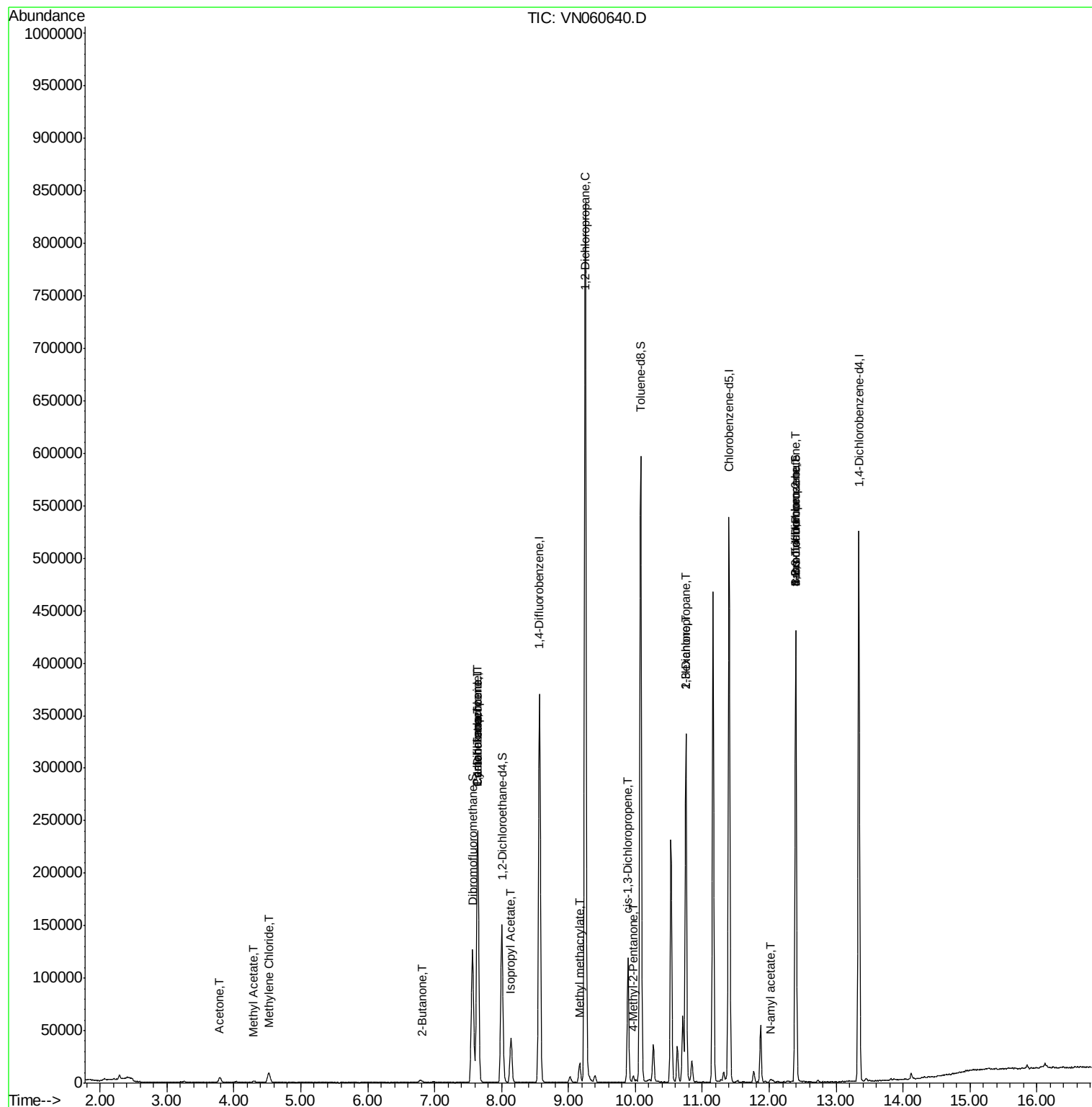
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	9017	9.339	ug/l	99
18) Methyl Acetate	4.29	43	1759	0.647	ug/l #	54
20) Methylene Chloride	4.52	84	7122	2.998	ug/l	97
25) 2-Butanone	6.82	43	2897	1.854	ug/l #	90
31) Cyclohexane	7.64	56	4132	0.941	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15068	4.733	ug/l #	49
38) Carbon Tetrachloride	7.65	117	18974	6.650	ug/l #	16
43) Isopropyl Acetate	8.14	43	51325	9.048	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	939	0.370	ug/l #	43
48) Methyl methacrylate	9.16	41	2893	1.145	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4207	1.303	ug/l	90
54) cis-1,3-Dichloropropene	9.89	75	21138	5.266	ug/l #	62
57) 1,3-Dichloropropane	10.75	76	3404	0.879	ug/l #	42
59) 2-Hexanone	10.75	43	49843	21.435	ug/l #	52
71) Bromoform	12.39	173	205	1.789	ug/l #	1
74) N-amyl acetate	12.02	43	2462	0.509	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	75003	24.898	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75003	63.946	ug/l #	13

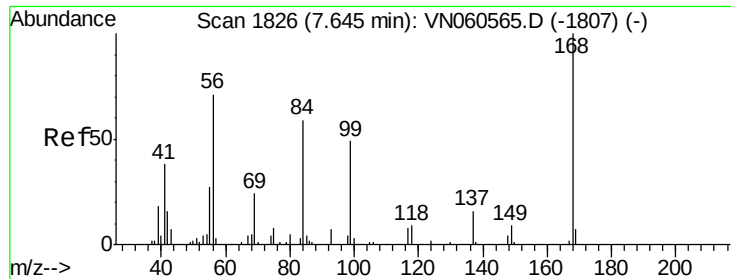
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060640.D

Acq: 19 Mar 2020 16:32

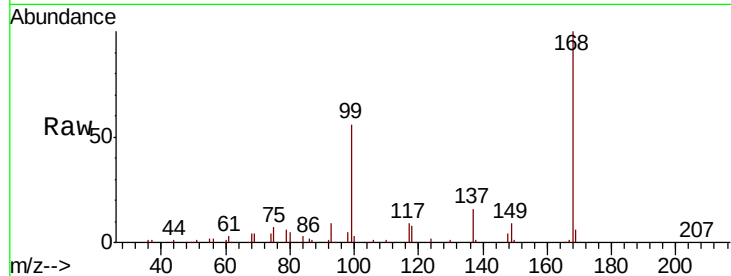
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 198567

Ion Ratio Lower Upper

168 100

99 55.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060565.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN060565.D (-1807) (-)

7.64

80000

60000

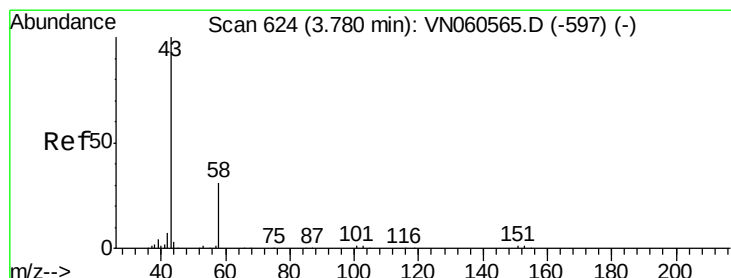
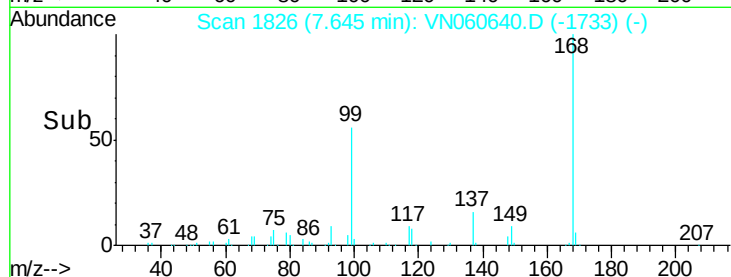
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 9.339 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060640.D

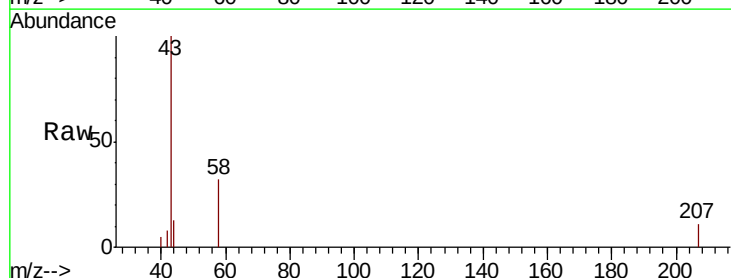
Acq: 19 Mar 2020 16:32

Tgt Ion: 43 Resp: 9017

Ion Ratio Lower Upper

43 100

58 32.1 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-597) (-)

3.79

3000

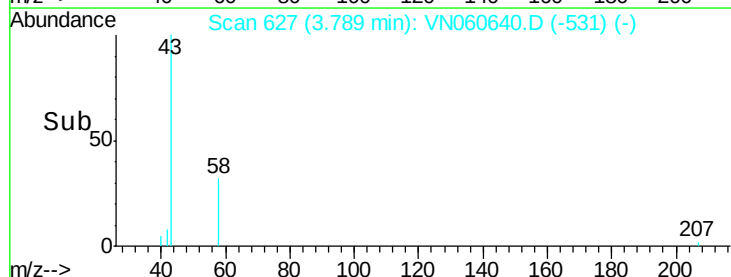
2000

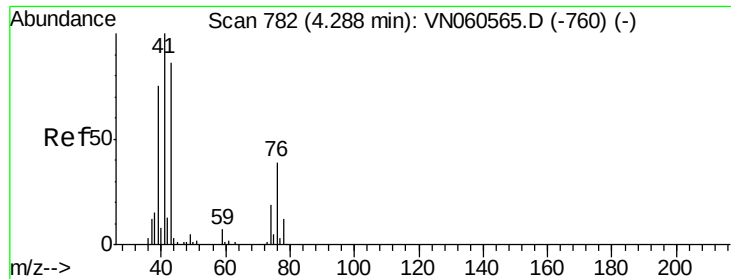
1000

0

3.70 3.75 3.80 3.85 3.90

Time-->

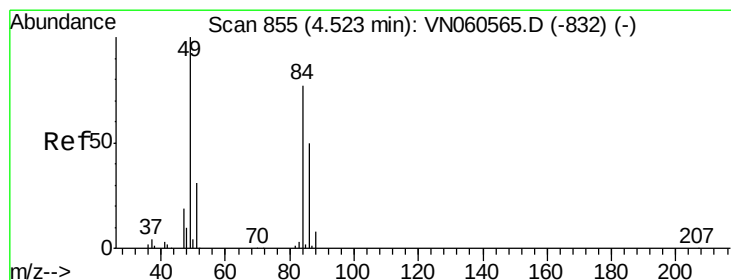
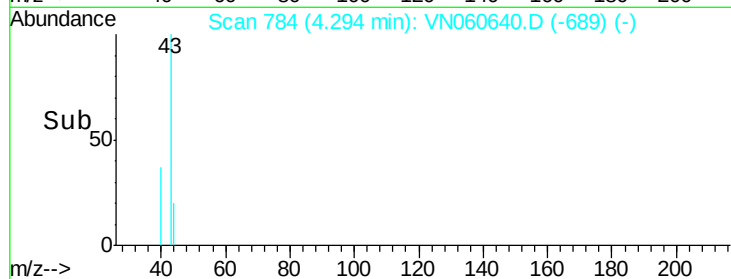
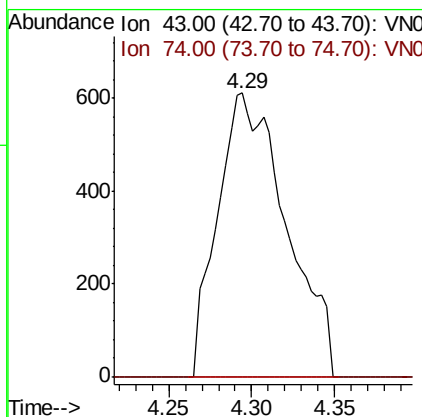
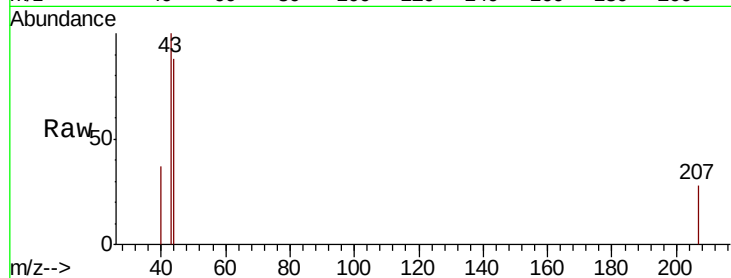




#18
Methyl Acetate
Concen: 0.647 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060640.D
Acq: 19 Mar 2020 16:32

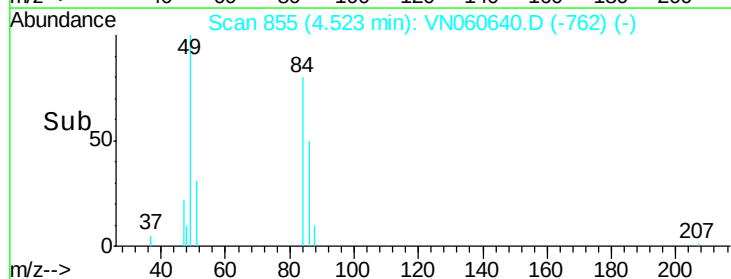
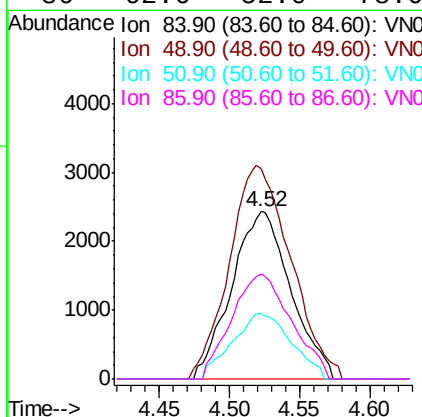
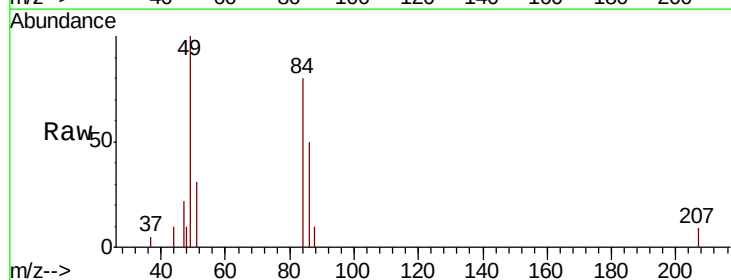
Instrument :
MSVOA_N
ClientSampleId :

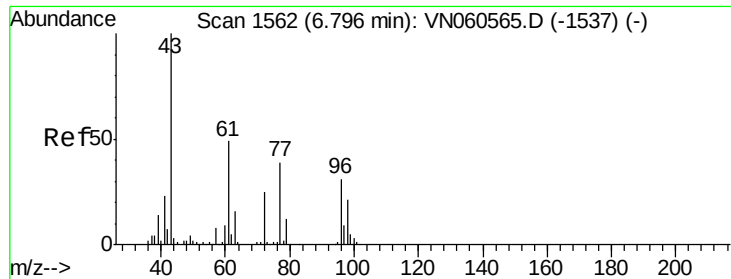
Tot Ion: 43 Resp: 1759
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 2.998 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060640.D
Acq: 19 Mar 2020 16:32

Tgt Ion: 84 Resp: 7122
Ion Ratio Lower Upper
84 100
49 125.4 103.3 154.9
51 38.7 31.6 47.4
86 62.6 52.0 78.0





#25

2-Butanone

Concen: 1.854 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.02 min

Lab File: VN060640.D

Acq: 19 Mar 2020 16:32

Instrument :

MSVOA_N

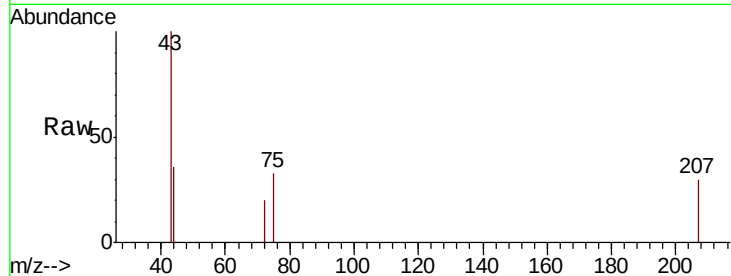
ClientSampleId :

Tot Ion: 43 Resp: 2897

Ion Ratio Lower Upper

43 100

72 20.3 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.82

800

600

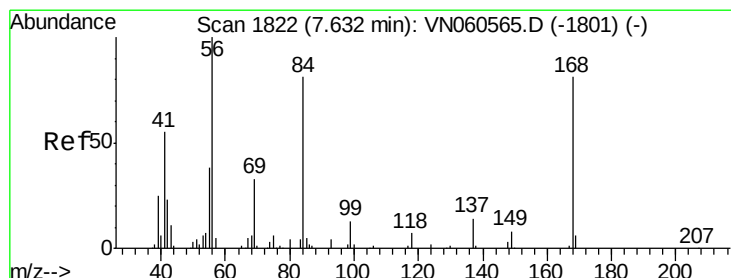
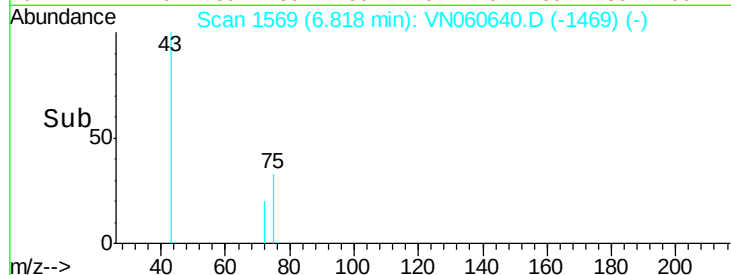
400

200

0

6.75 6.80 6.85 6.90

Time-->



#31

Cyclohexane

Concen: 0.941 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060640.D

Acq: 19 Mar 2020 16:32

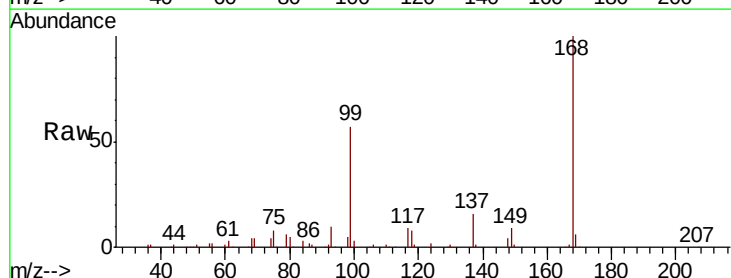
Tgt Ion: 56 Resp: 4132

Ion Ratio Lower Upper

56 100

69 173.8 26.6 40.0#

84 135.7 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

4000

3000

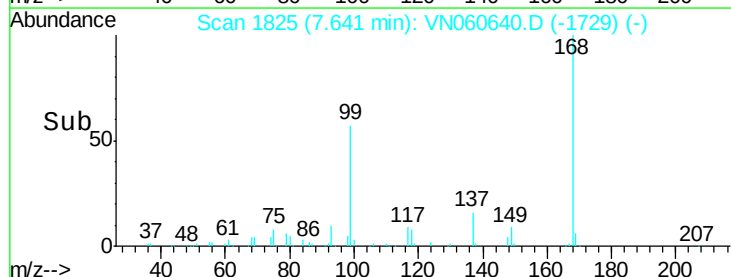
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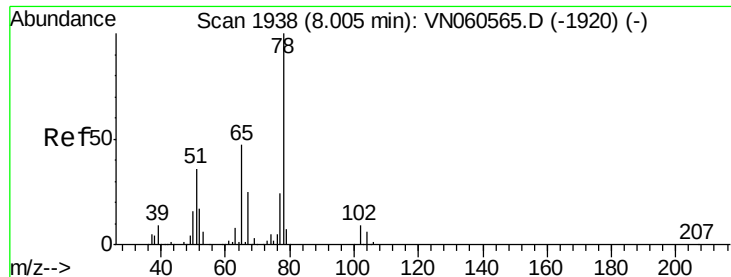
1000

0

7.60 7.65 7.70

Time-->

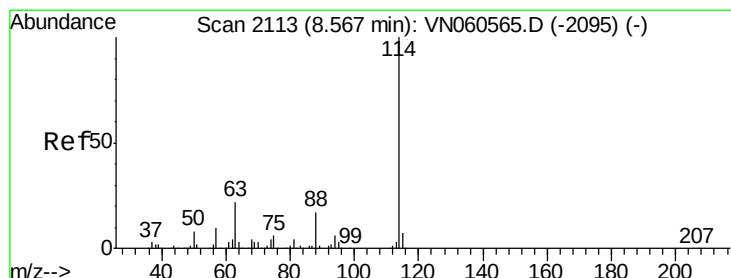
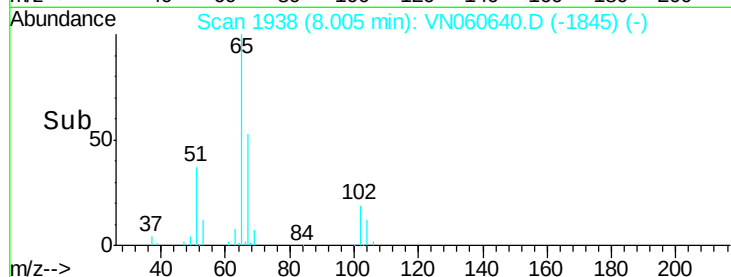
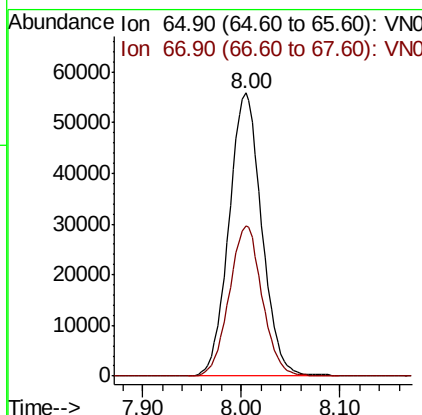
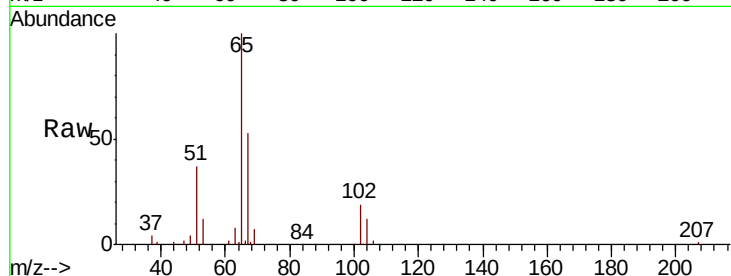




#33
 1,2-Dichloroethane-d4
 Concen: 47.499 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060640.D
 Acq: 19 Mar 2020 16:32

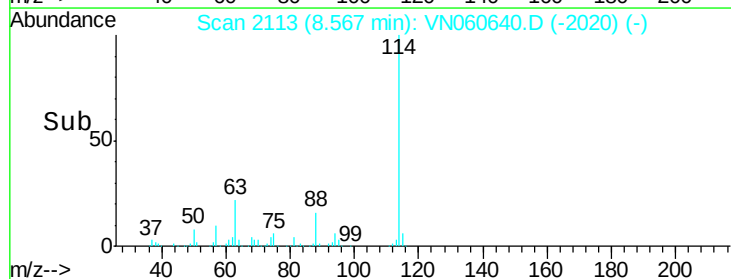
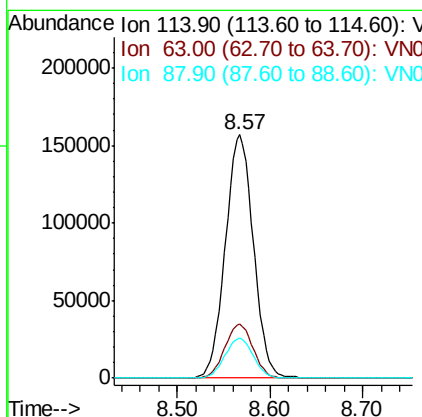
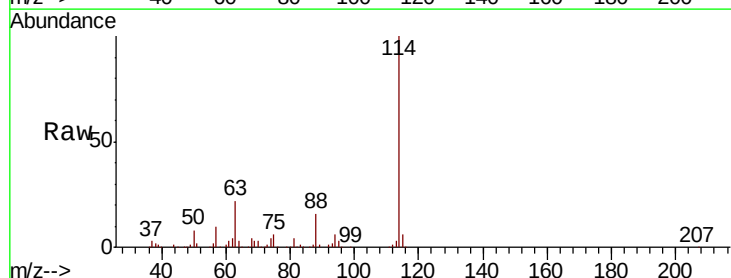
Instrument :
 MSVOA_N
 ClientSampleId :

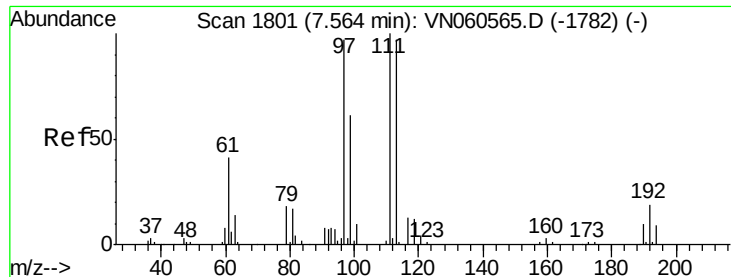
Tot Ion: 65 Resp: 129477
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060640.D
 Acq: 19 Mar 2020 16:32

Tgt Ion: 114 Resp: 328752
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.8
 88 16.5 0.0 33.0

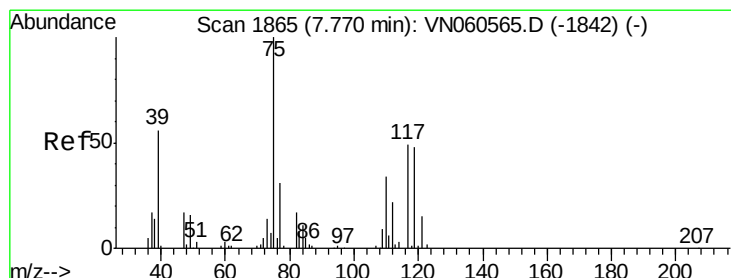
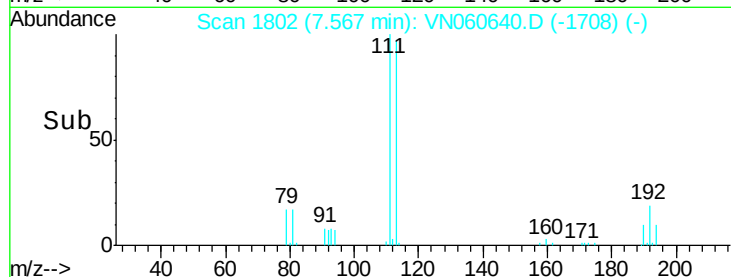
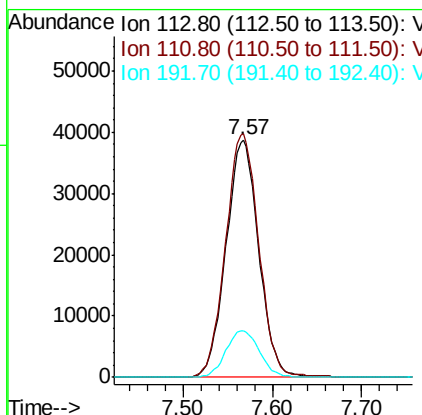
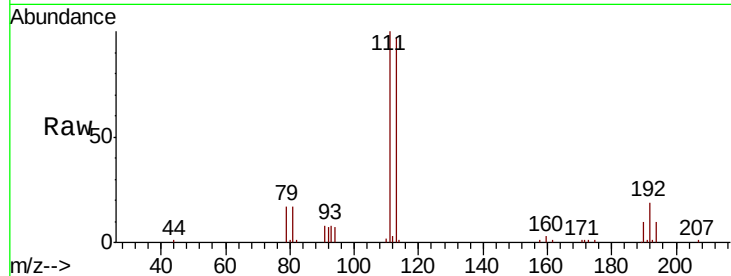




#35
 Dibromofluoromethane
 Concen: 49.439 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060640.D
 Acq: 19 Mar 2020 16:32

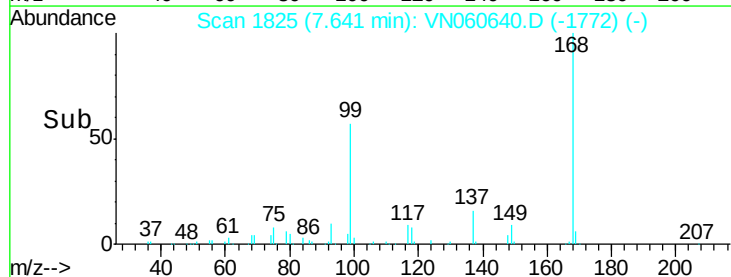
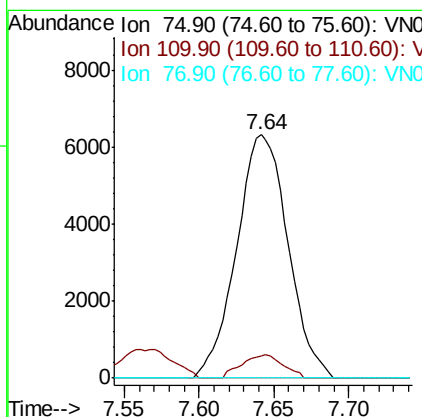
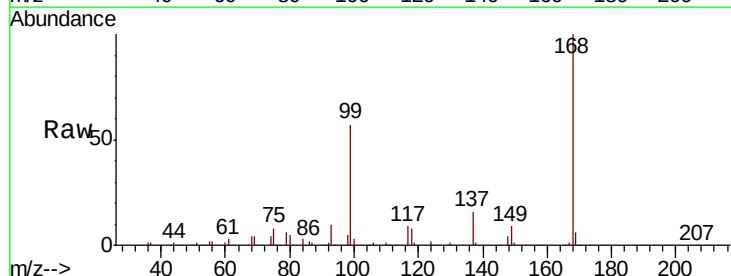
Instrument :
 MSVOA_N
 ClientSampled :

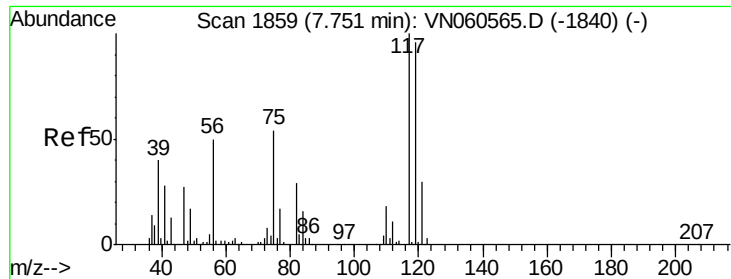
Tot Ion:113 Resp: 98278
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.9 124.3
 192 20.0 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.733 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060640.D
 Acq: 19 Mar 2020 16:32

Tgt Ion: 75 Resp: 15068
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.9 50.6#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.650 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.10 min

Lab File: VN060640.D

Acq: 19 Mar 2020 16:32

Instrument :

MSVOA_N

ClientSampleId :

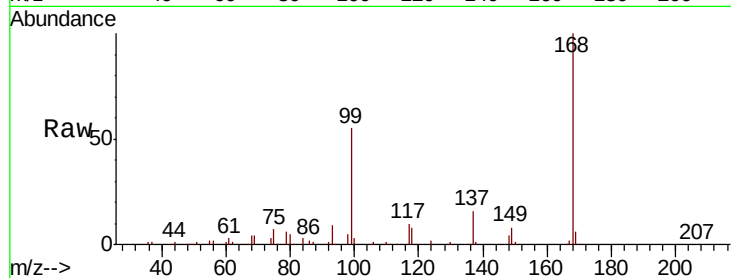
Tot Ion:117 Resp: 18974

Ion Ratio Lower Upper

117 100

119 4.4 76.2 114.2#

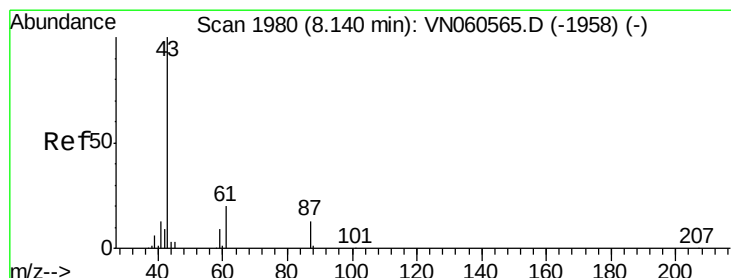
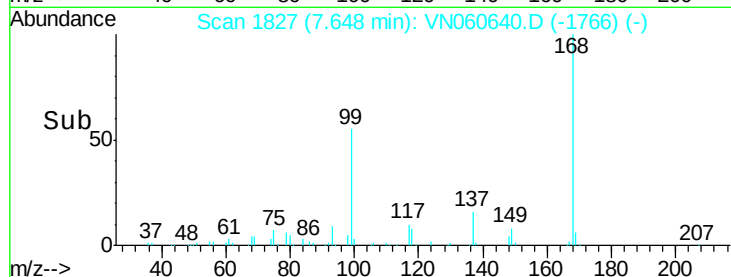
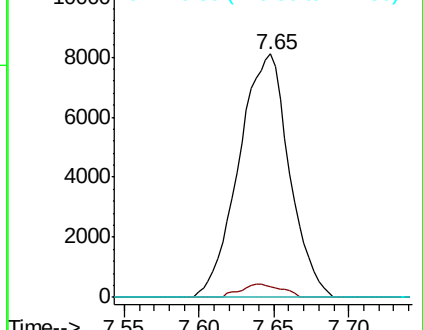
121 0.0 23.7 35.5#



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: 9.048 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060640.D

Acq: 19 Mar 2020 16:32

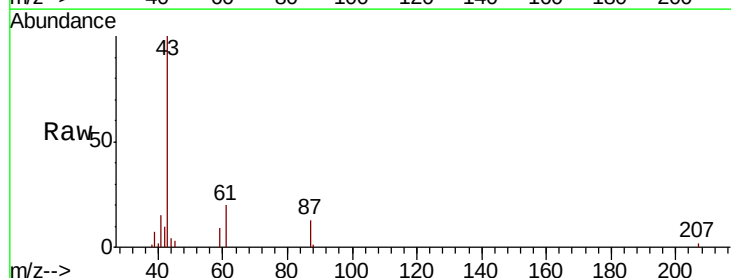
Tgt Ion: 43 Resp: 51325

Ion Ratio Lower Upper

43 100

61 20.0 20.7 31.1#

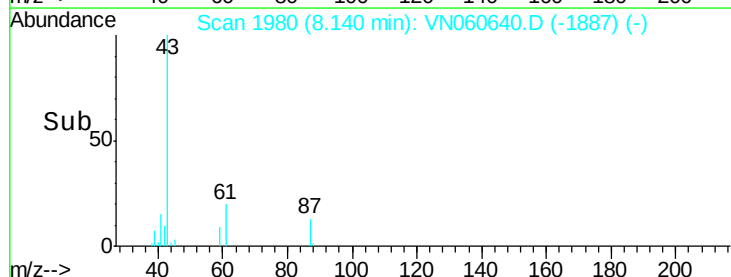
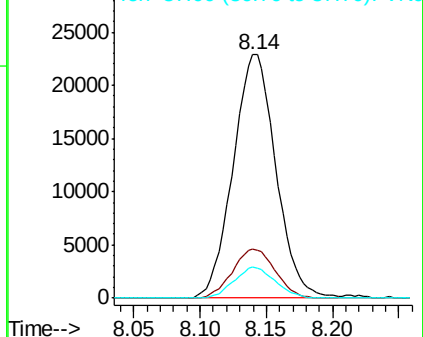
87 12.1 9.8 14.8

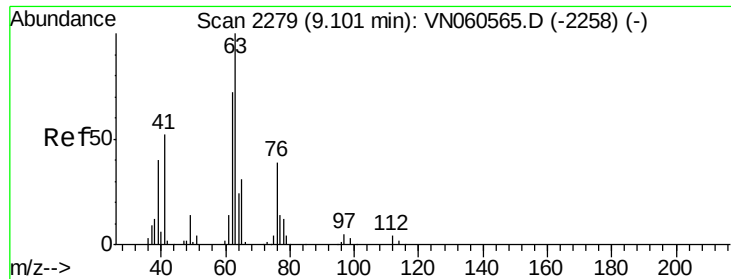


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

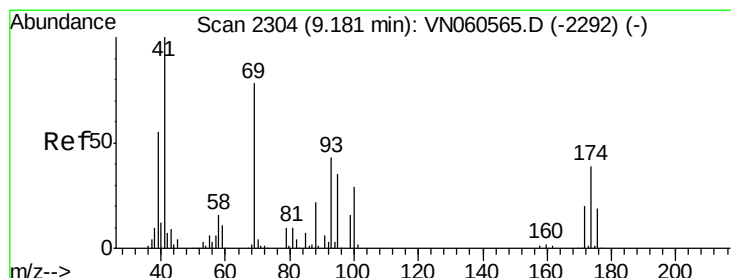
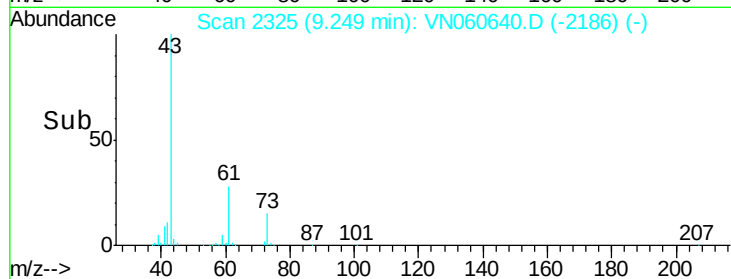
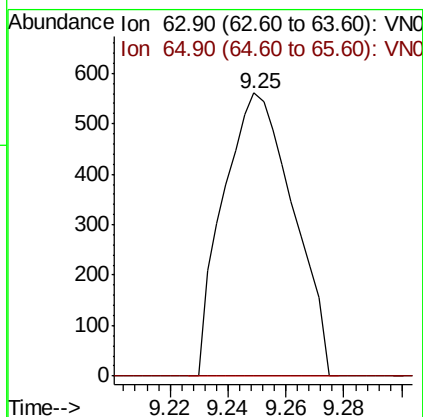
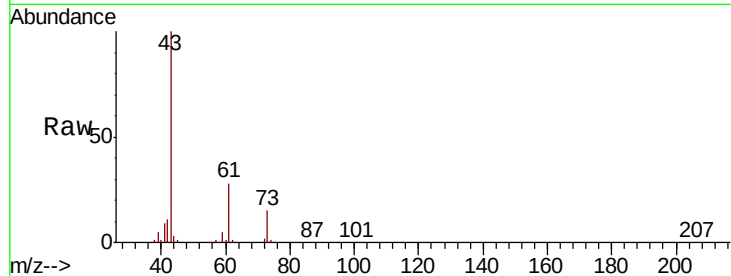




#45
 1,2-Dichloropropane
 Concen: 0.370 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN060640.D
 Acq: 19 Mar 2020 16:32

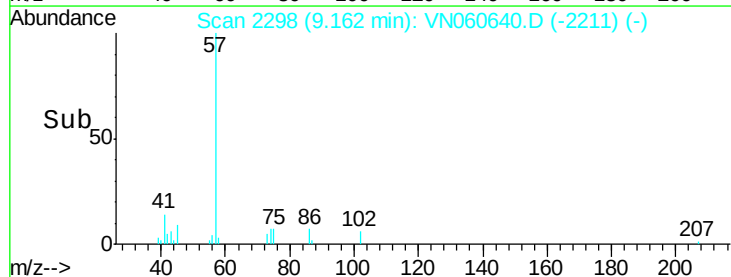
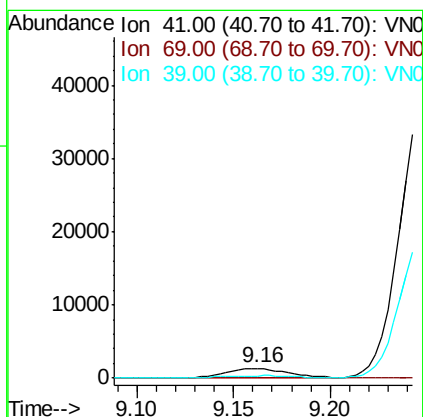
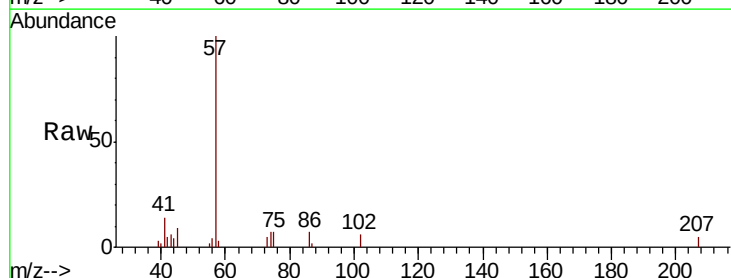
Instrument :
 MSVOA_N
 ClientSampled :

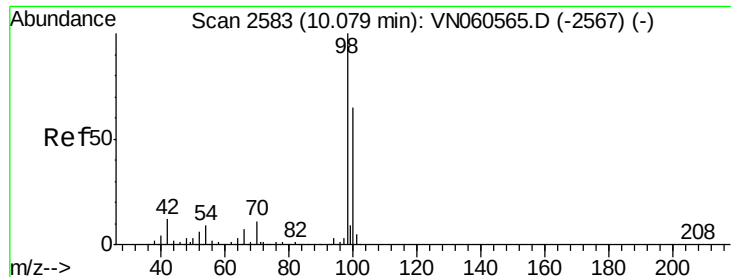
Tot Ion: 63 Resp: 939
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.145 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN060640.D
 Acq: 19 Mar 2020 16:32

Tgt Ion: 41 Resp: 2893
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#

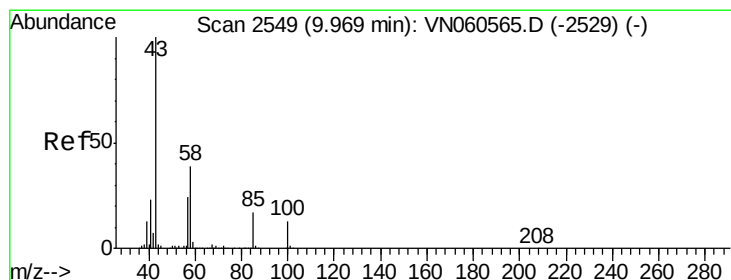
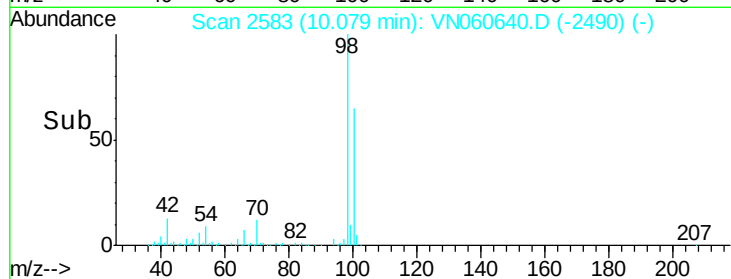
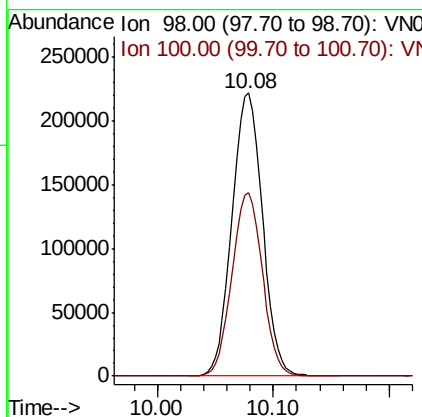
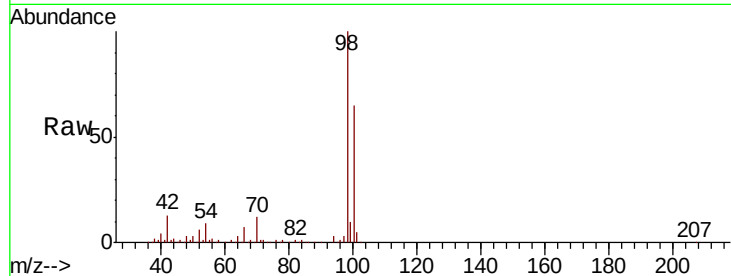




#50
Toluene-d8
Concen: 49.830 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060640.D
Acq: 19 Mar 2020 16:32

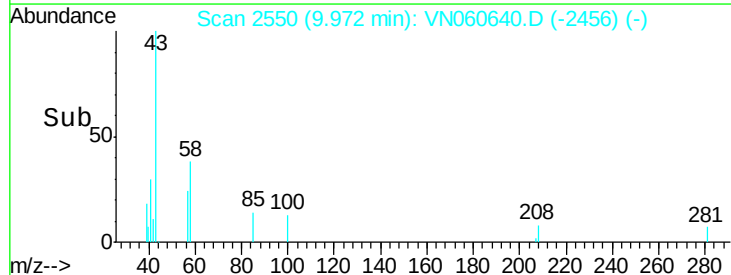
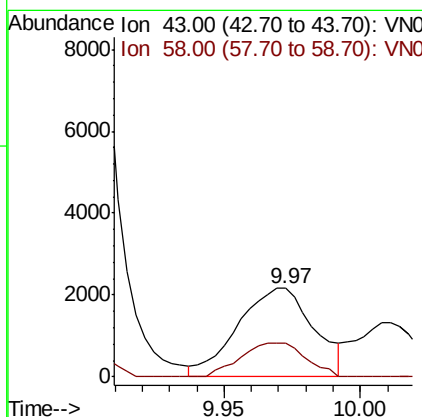
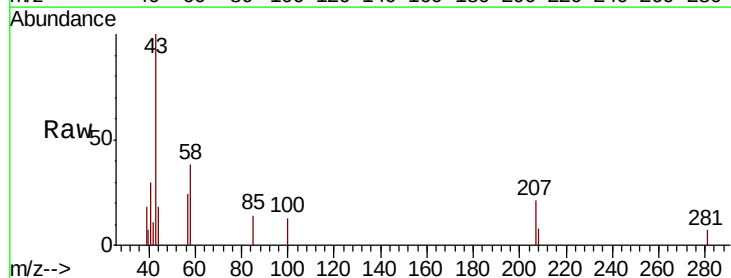
Instrument :
MSVOA_N
ClientSampleId :

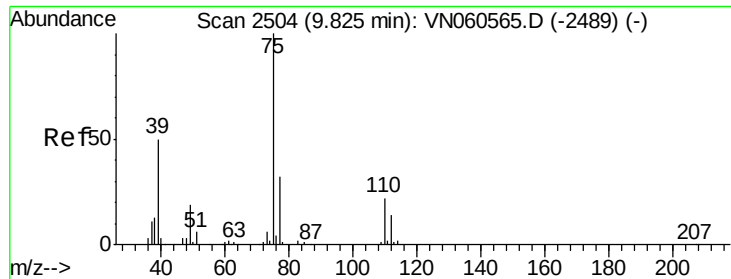
Tot Ion: 98 Resp: 404602
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.303 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN060640.D
Acq: 19 Mar 2020 16:32

Tgt Ion: 43 Resp: 4207
Ion Ratio Lower Upper
43 100
58 32.6 30.8 46.2



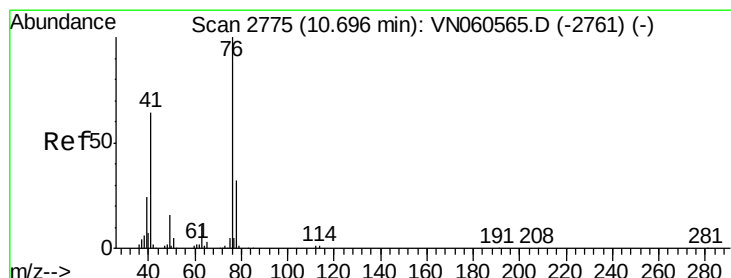
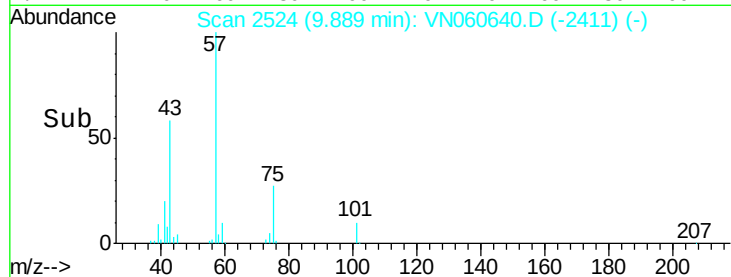
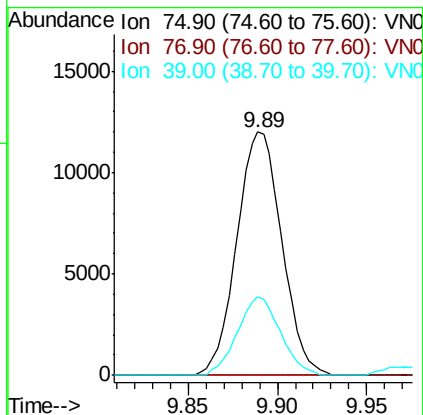
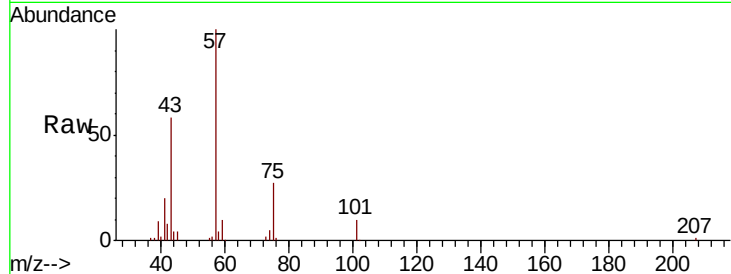


#54

cis-1,3-Dichloropropene
 Concen: 5.266 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060640.D
 Acq: 19 Mar 2020 16:32

Instrument :
 MSVOA_N
 ClientSampleId :

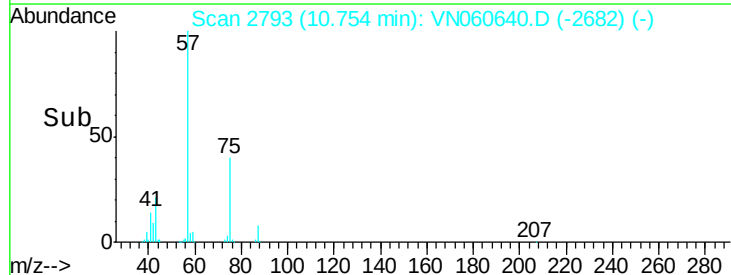
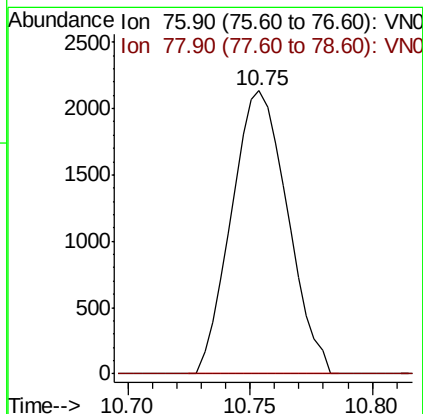
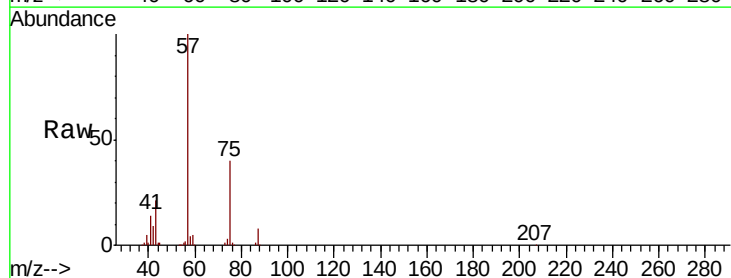
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.4	38.0#
39	32.3	40.2	60.4#

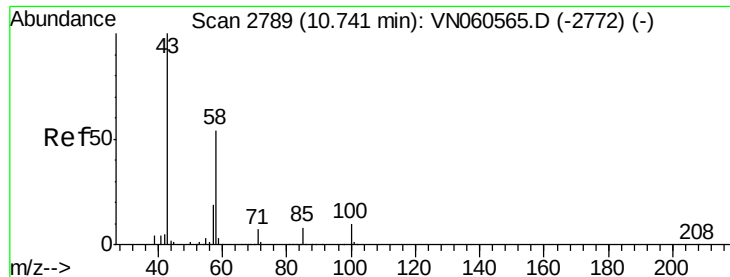


#57

1,3-Dichloropropane
 Concen: 0.879 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060640.D
 Acq: 19 Mar 2020 16:32

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.8	38.6#

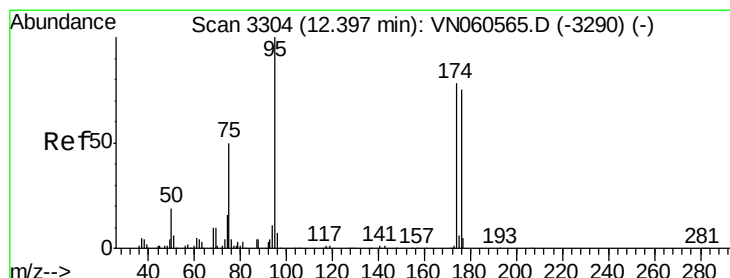
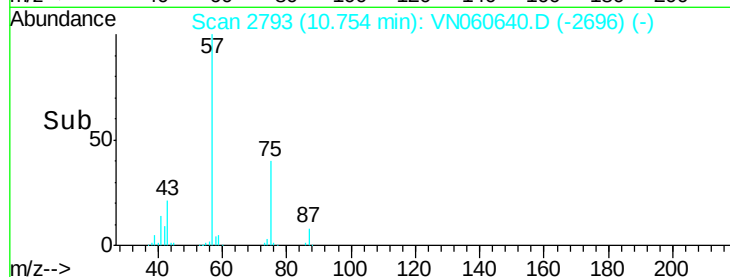
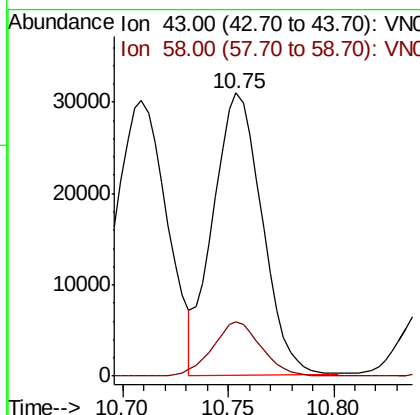
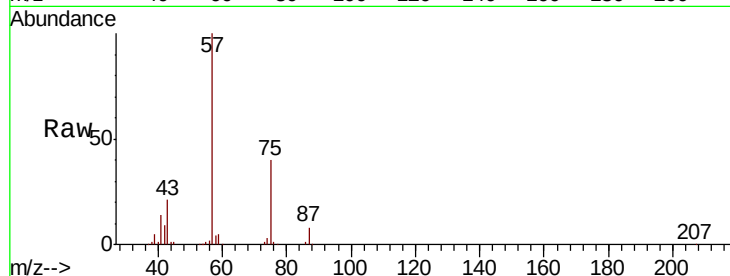




#59
2-Hexanone
Concen: 21.435 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060640.D
Acq: 19 Mar 2020 16:32

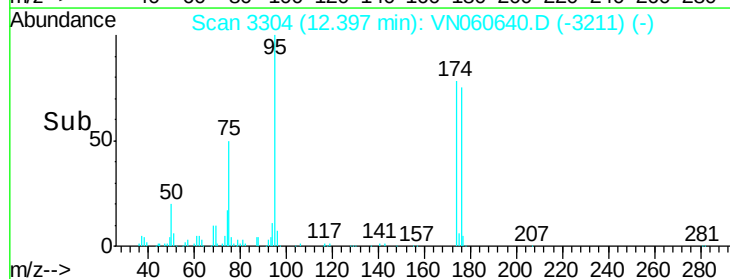
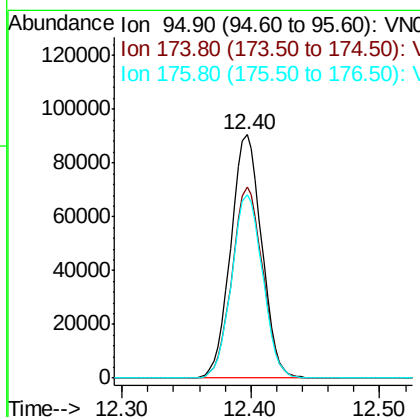
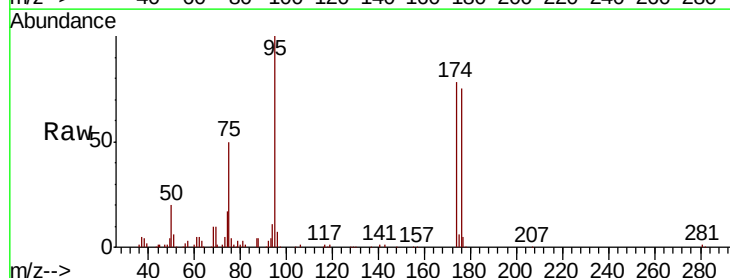
Instrument :
MSVOA_N
ClientSampleId :

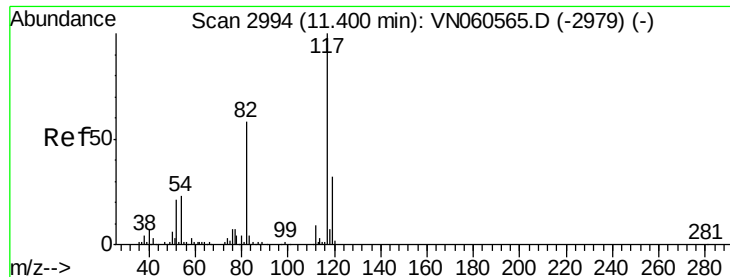
Tot Ion: 43 Resp: 49843
Ion Ratio Lower Upper
43 100
58 18.9 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 50.720 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060640.D
Acq: 19 Mar 2020 16:32

Tgt Ion: 95 Resp: 150928
Ion Ratio Lower Upper
95 100
174 78.2 0.0 157.6
176 75.3 0.0 150.6

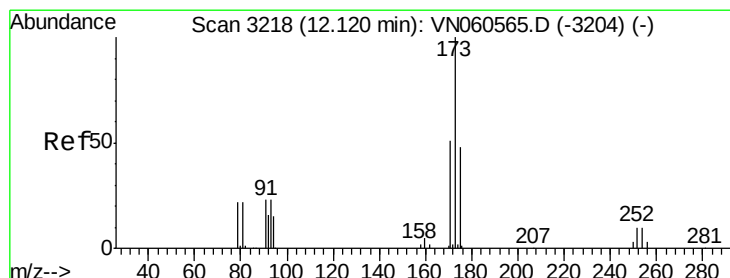
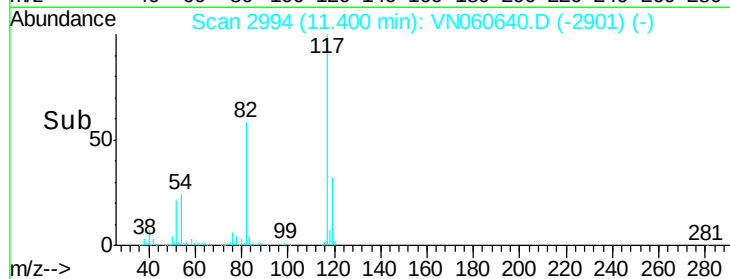
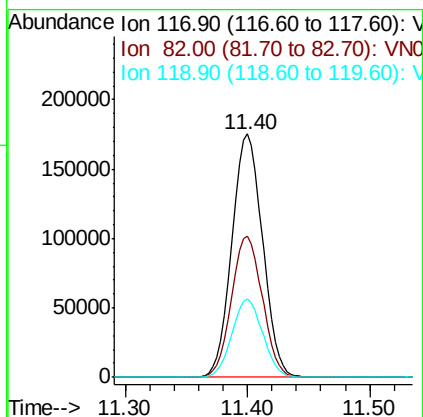
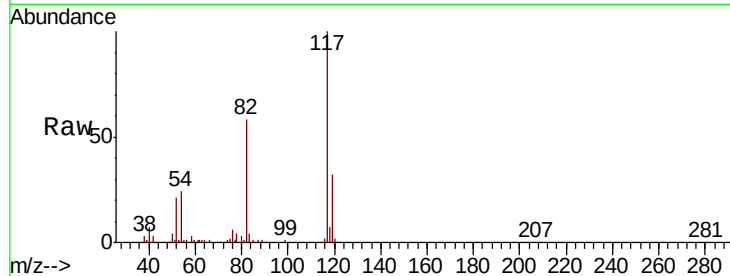




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060640.D
Acq: 19 Mar 2020 16:32

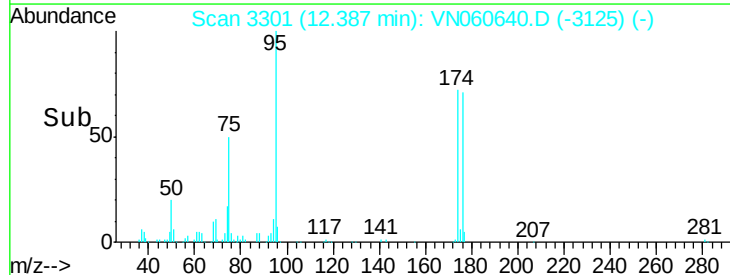
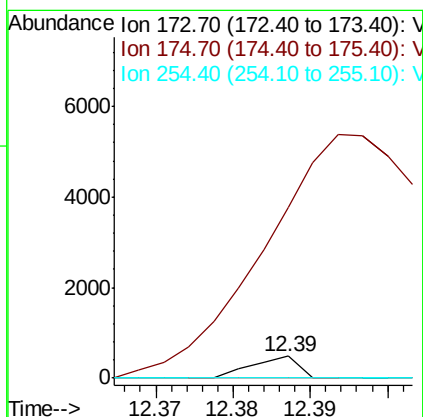
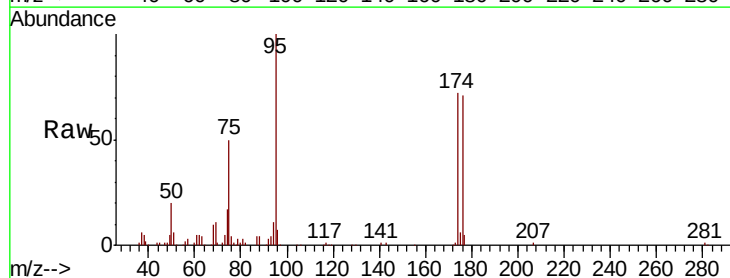
Instrument :
MSVOA_N
ClientSampled :

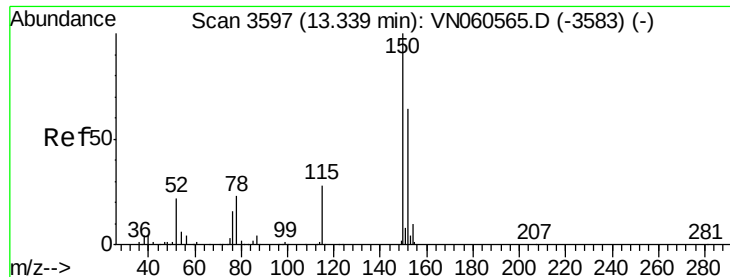
Tot Ion:117 Resp: 307327
Ion Ratio Lower Upper
117 100
82 57.9 46.7 70.1
119 32.1 25.5 38.3



#71
Bromoform
Concen: 1.789 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.27 min
Lab File: VN060640.D
Acq: 19 Mar 2020 16:32

Tgt Ion:173 Resp: 205
Ion Ratio Lower Upper
173 100
175 3694.6 24.1 72.4#
254 0.0 0.0 0.0



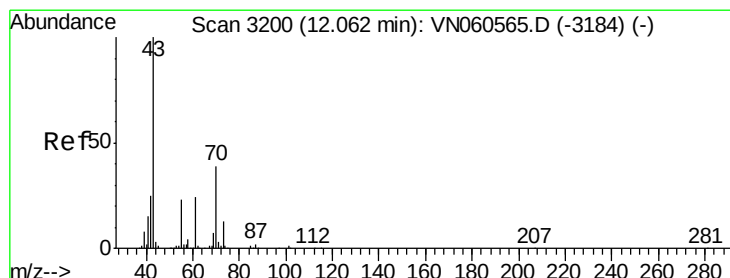
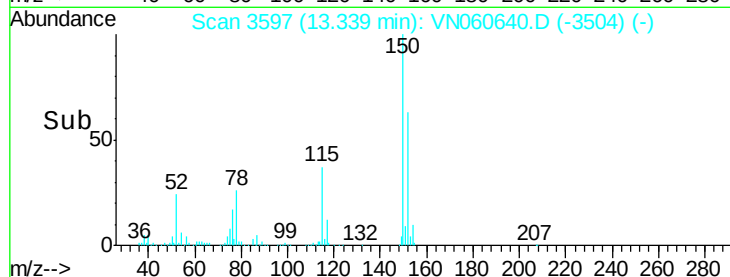
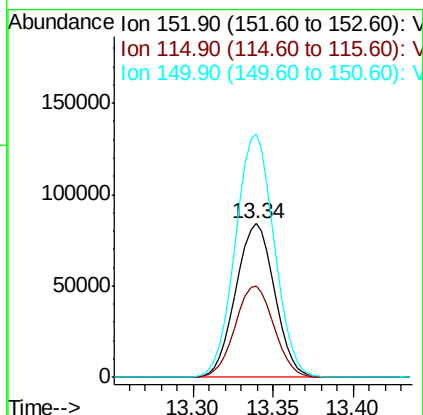
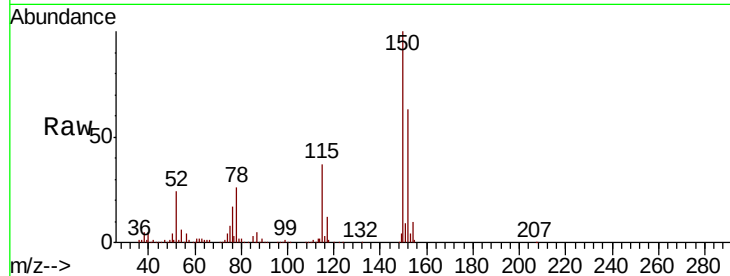


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060640.D
Acq: 19 Mar 2020 16:32

Instrument :
MSVOA_N
ClientSampleId :

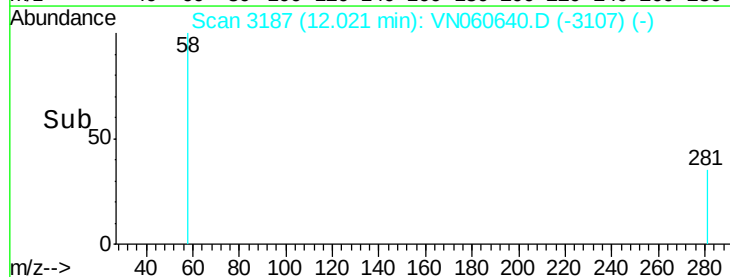
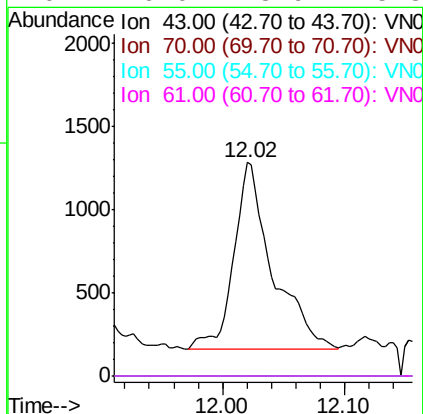
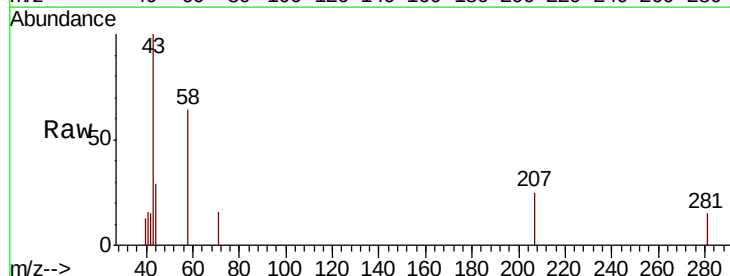
Tot Ion:152 Resp: 139604
Ion Ratio Lower Upper
152 100
115 59.3 30.2 90.6
150 157.7 0.0 350.2

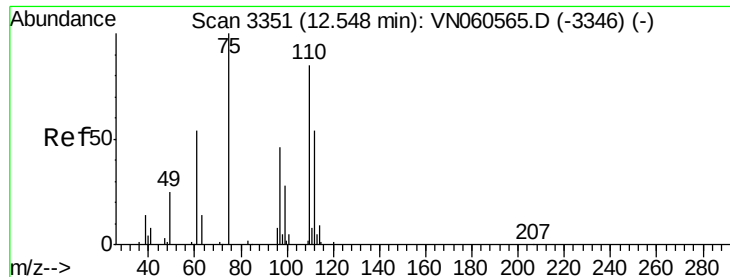


#74

N-ethyl acetate
Concen: 0.509 ug/l
RT: 12.02 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VN060640.D
Acq: 19 Mar 2020 16:32

Tgt Ion: 43 Resp: 2462
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: 24.898 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060640.D

Acq: 19 Mar 2020 16:32

Instrument :

MSVOA_N

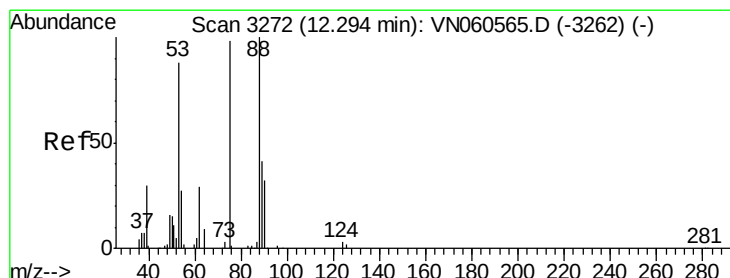
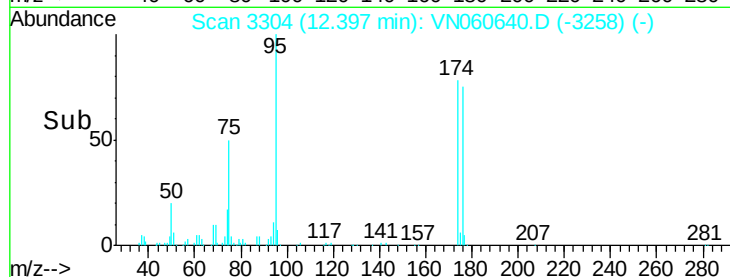
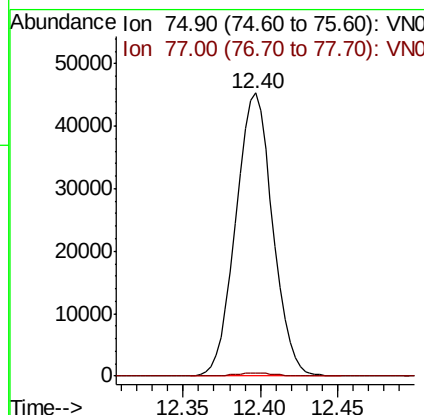
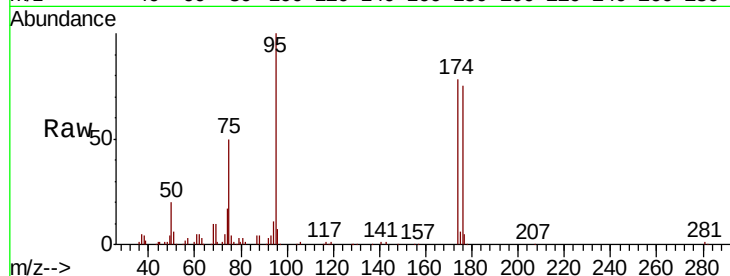
ClientSampled :

Tot Ion: 75 Resp: 75003

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.946 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060640.D

Acq: 19 Mar 2020 16:32

Tgt Ion: 75 Resp: 75003

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

