

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060958.D
 Acq On : 15 Apr 2020 13:59
 Operator : JC/MD
 Sample : L2115-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 06:33:39 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	140021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	234673	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	220572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	96215	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	92129	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
35) Dibromofluoromethane	7.56	113	70006	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	10.08	98	294168	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	108440	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	

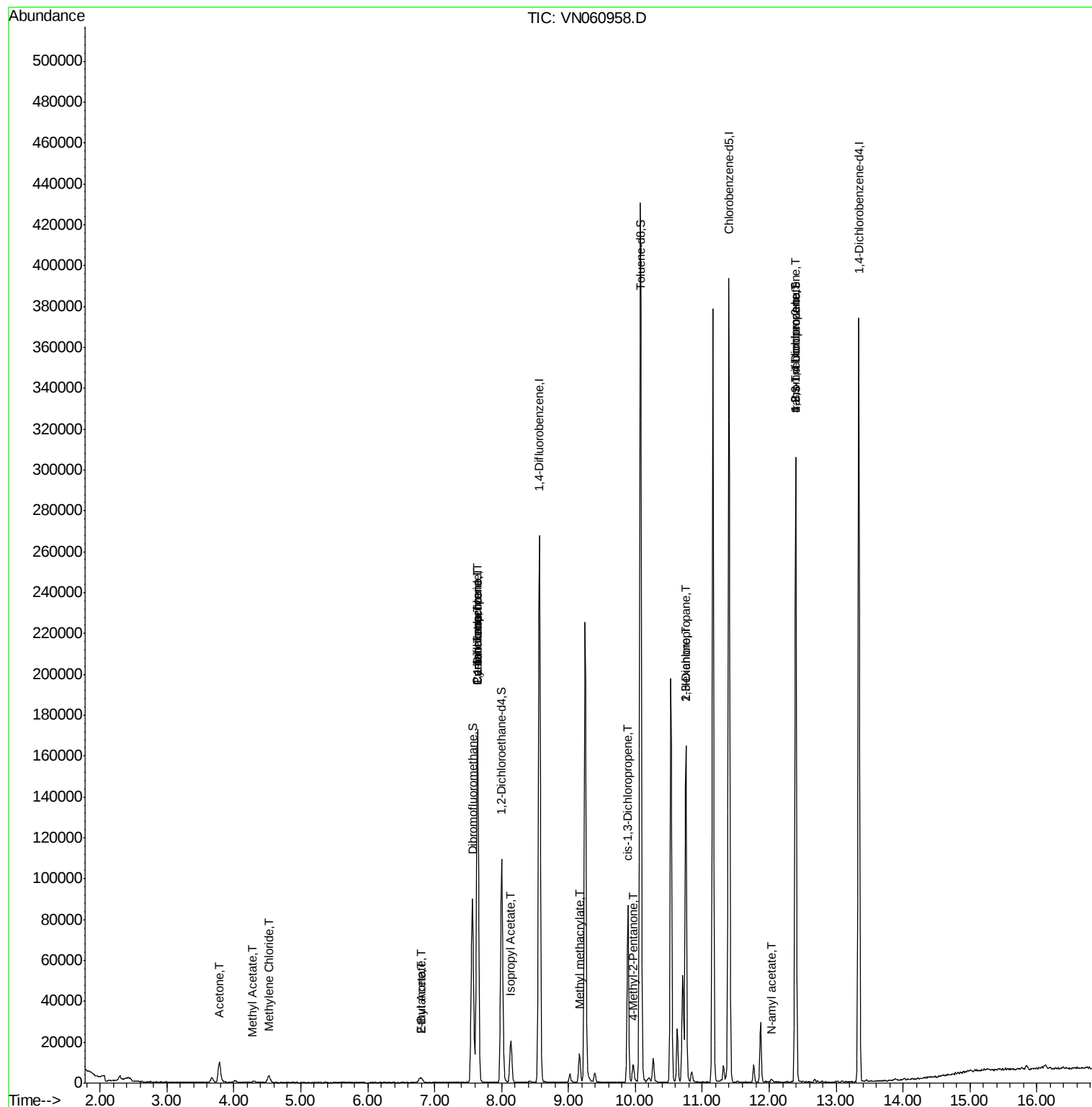
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	18283	26.852	ug/l	98
18) Methyl Acetate	4.28	43	606	0.316	ug/l #	54
20) Methylene Chloride	4.53	84	2669	1.594	ug/l	94
25) 2-Butanone	6.80	43	3699	3.357	ug/l	99
31) Cyclohexane	7.64	56	3075	0.993	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11114	4.891	ug/l #	48
37) Ethyl Acetate	6.80	43	3699	1.507	ug/l #	70
38) Carbon Tetrachloride	7.64	117	13180	6.472	ug/l #	16
43) Isopropyl Acetate	8.14	43	25399	6.272	ug/l #	89
48) Methyl methacrylate	9.16	41	1411	0.783	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	6228	2.703	ug/l	98
54) cis-1,3-Dichloropropene	9.89	75	14940	5.214	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	1640	0.593	ug/l #	42
59) 2-Hexanone	10.75	43	25807	15.548	ug/l #	52
74) N-amyl acetate	12.02	43	2252	0.675	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	54659	26.327	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	54659	67.617	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: VN060958.D

Acq: 15 Apr 2020 13:59

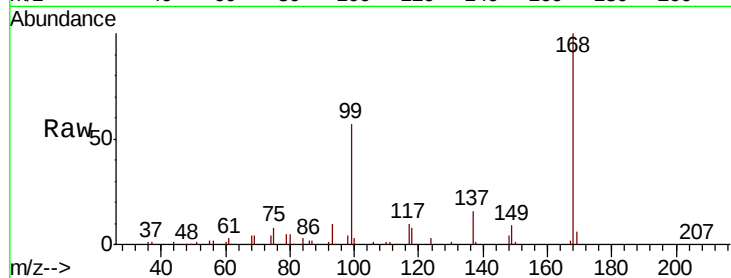
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 140021

Ion Ratio Lower Upper

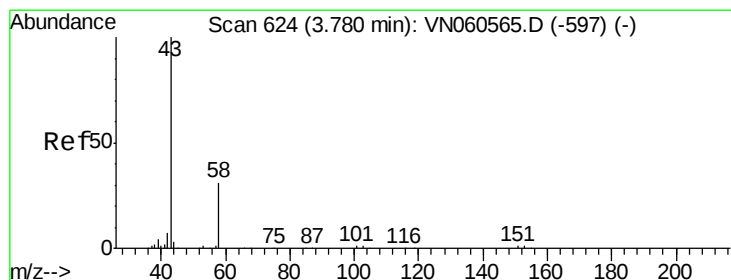
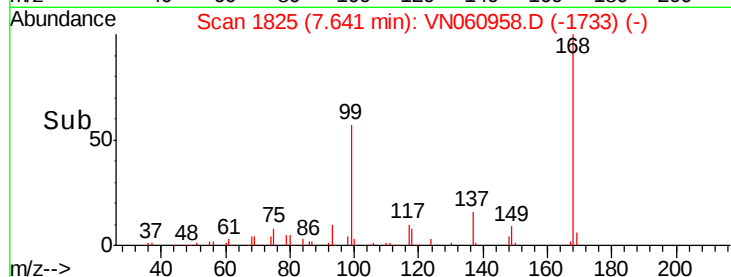
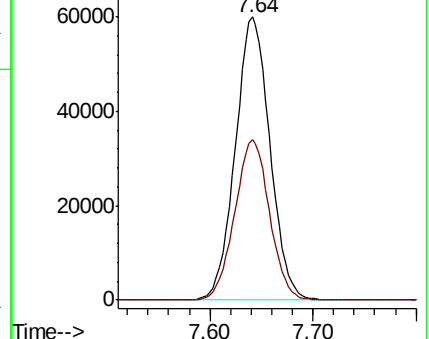
168 100

99 56.5 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: 26.852 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060958.D

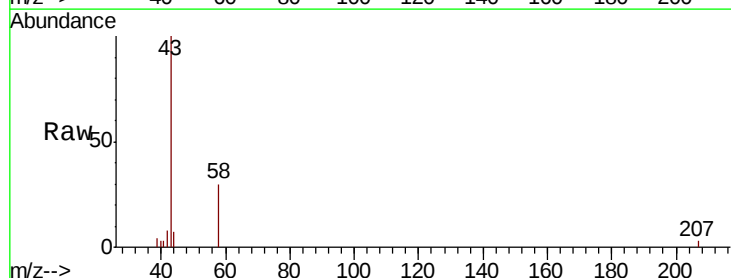
Acq: 15 Apr 2020 13:59

Tgt Ion: 43 Resp: 18283

Ion Ratio Lower Upper

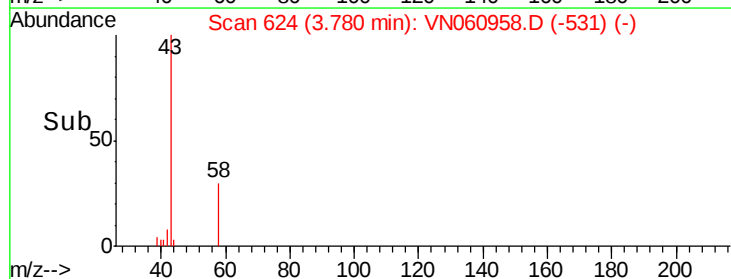
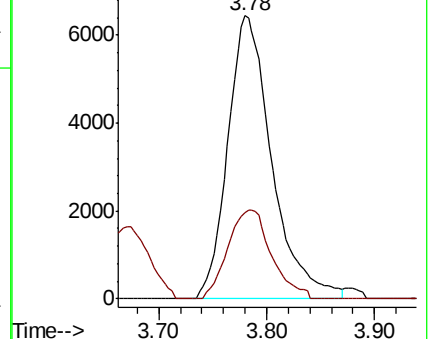
43 100

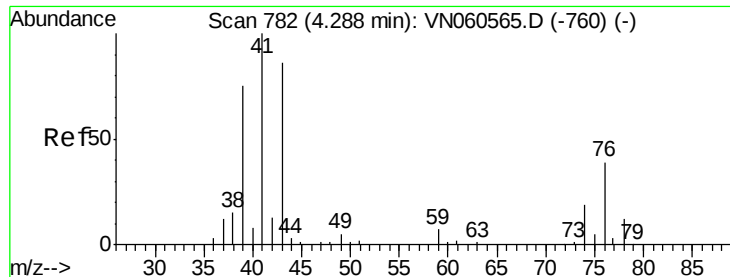
58 30.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

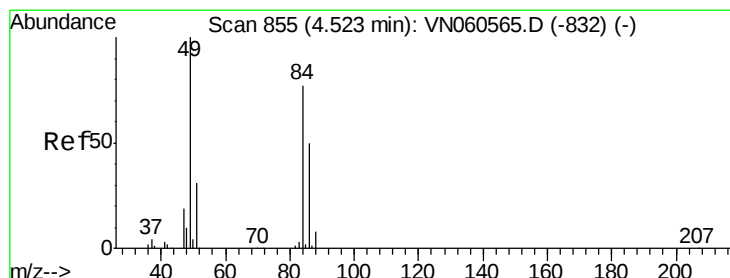
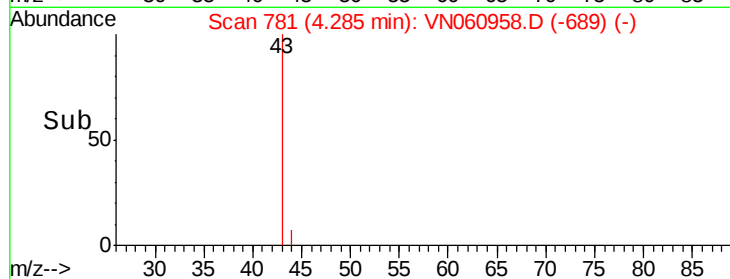
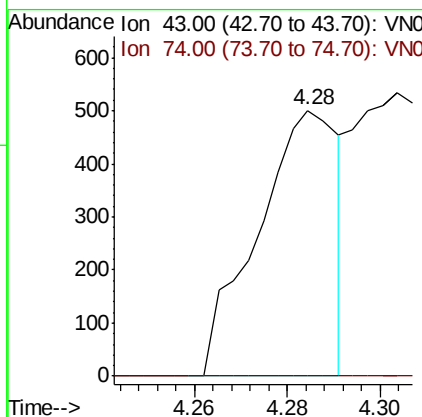
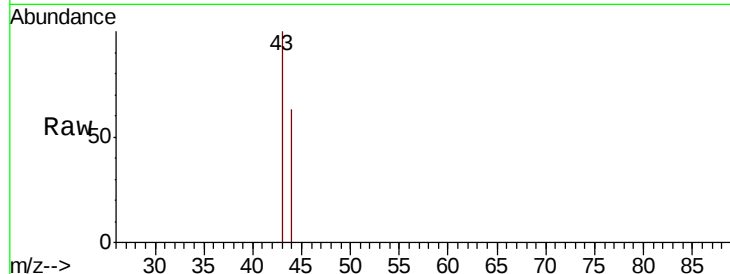




#18
Methyl Acetate
Concen: 0.316 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060958.D
Acq: 15 Apr 2020 13:59

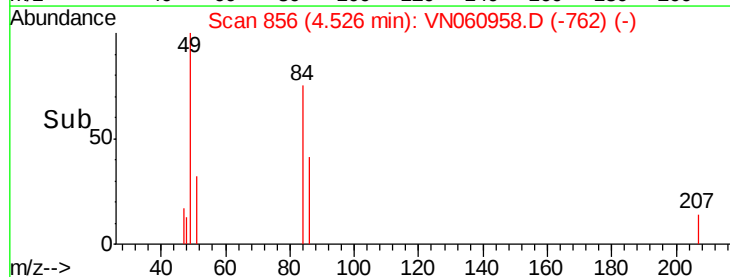
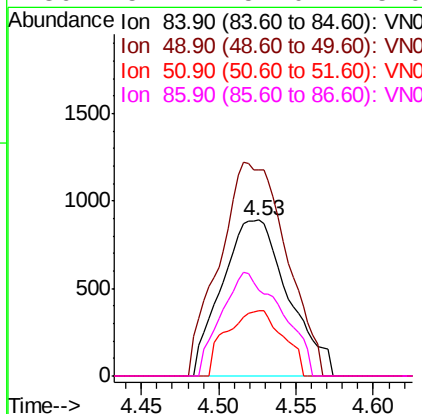
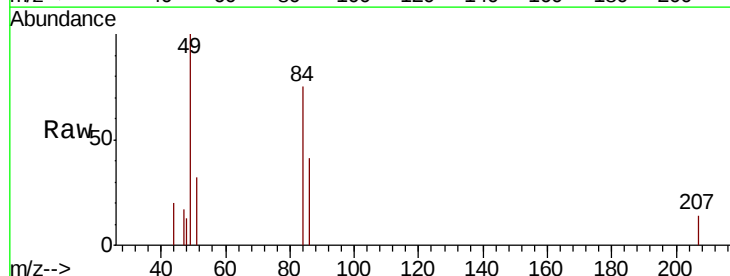
Instrument :
MSVOA_N
ClientSampleId :

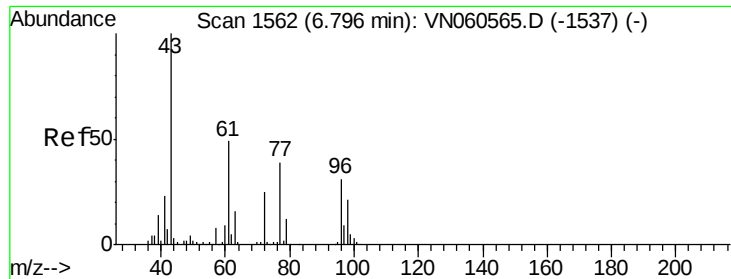
Tot Ion: 43 Resp: 606
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.594 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060958.D
Acq: 15 Apr 2020 13:59

Tgt Ion: 84 Resp: 2669
Ion Ratio Lower Upper
84 100
49 132.5 103.3 154.9
51 42.2 31.6 47.4
86 54.7 52.0 78.0

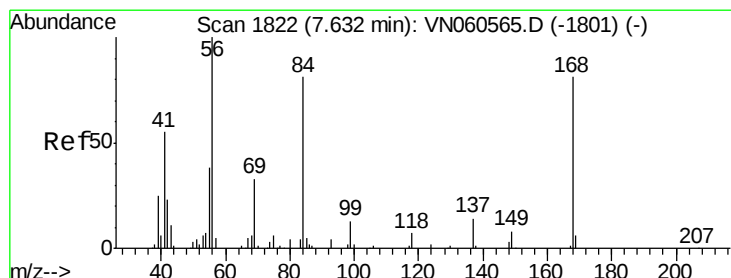
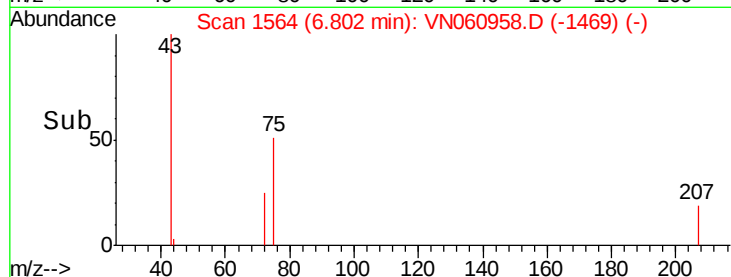
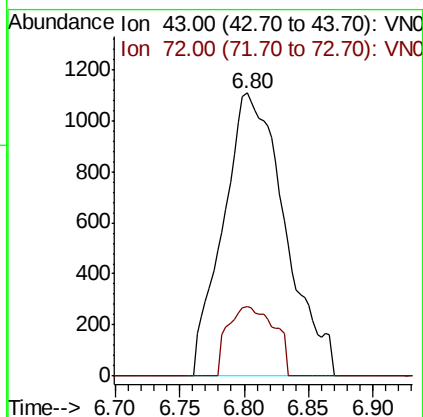
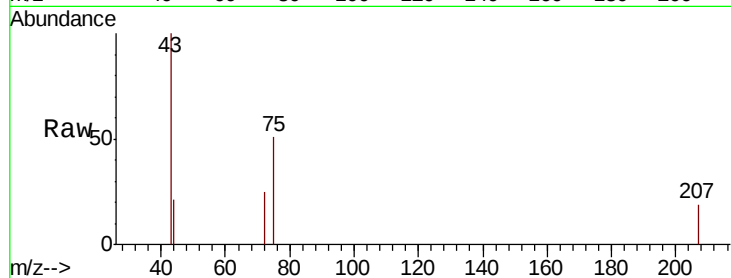




#25
2-Butanone
Concen: 3.357 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN060958.D
Acq: 15 Apr 2020 13:59

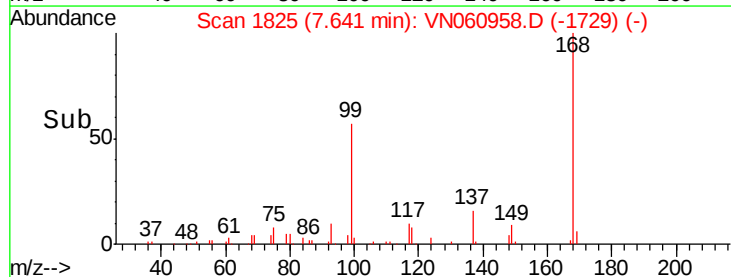
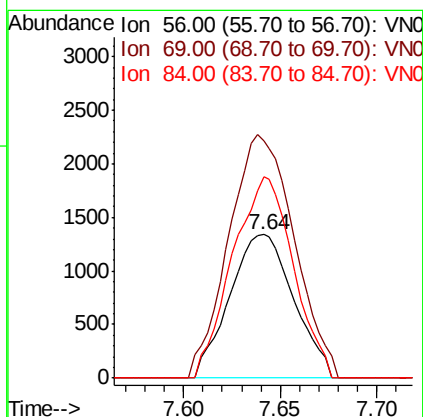
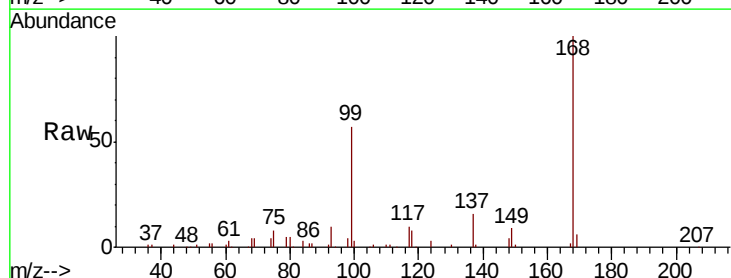
Instrument :
MSVOA_N
ClientSampled :

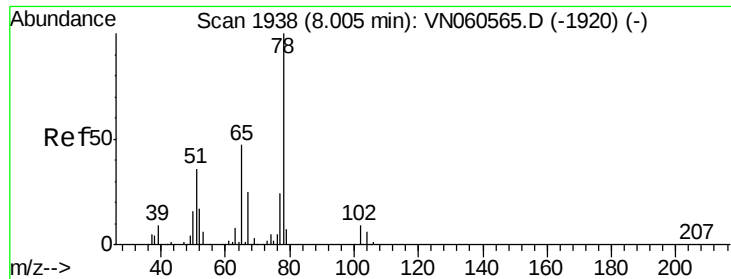
Tot Ion: 43 Resp: 3699
Ion Ratio Lower Upper
43 100
72 24.8 20.4 30.6



#31
Cyclohexane
Concen: 0.993 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060958.D
Acq: 15 Apr 2020 13:59

Tgt Ion: 56 Resp: 3075
Ion Ratio Lower Upper
56 100
69 165.0 26.6 40.0#
84 140.4 64.3 96.5#

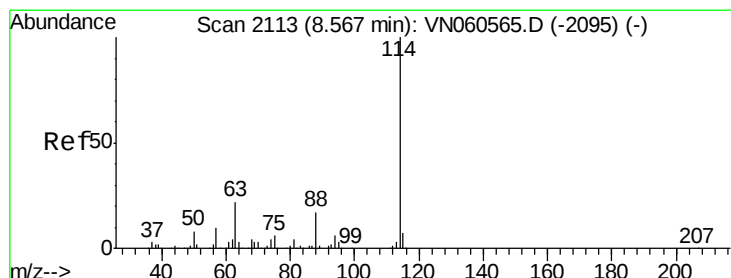
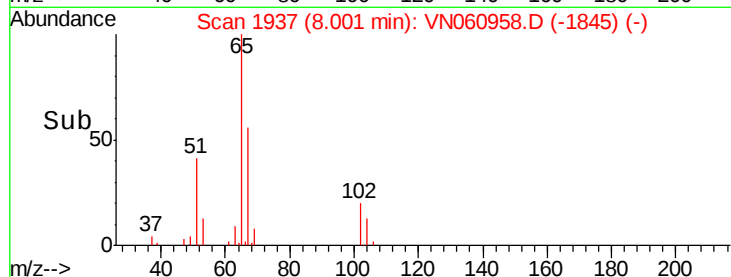
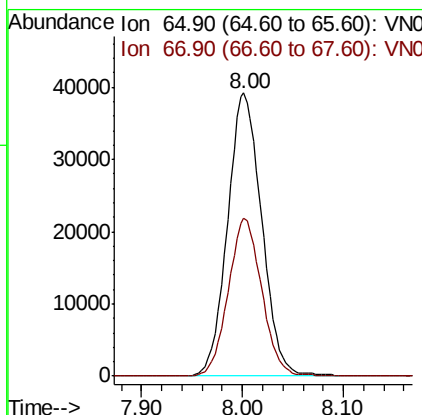
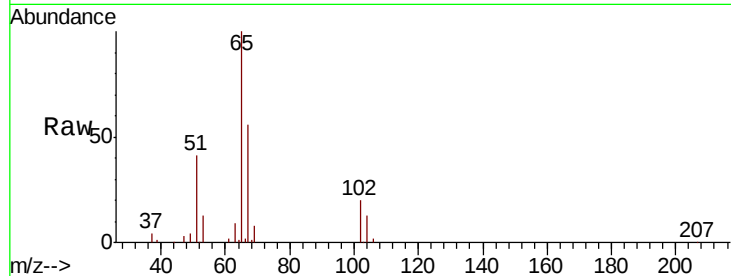




#33
 1,2-Dichloroethane-d4
 Concen: 47.930 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060958.D
 Acq: 15 Apr 2020 13:59

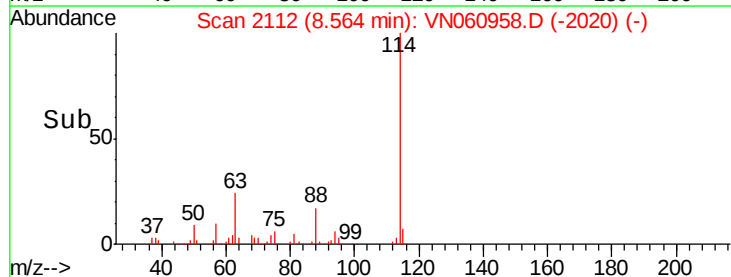
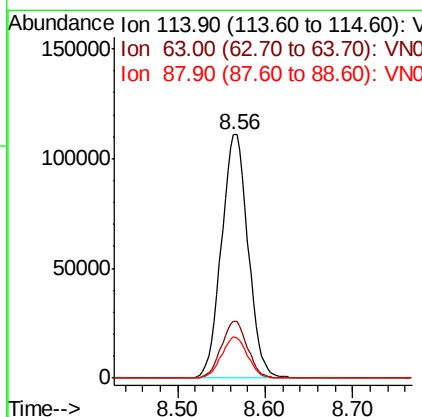
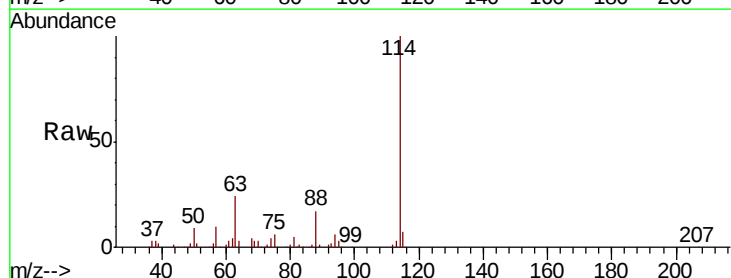
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 65 Resp: 92129
 Ion Ratio Lower Upper
 65 100
 67 54.5 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: VN060958.D
 Acq: 15 Apr 2020 13:59

Tgt Ion: 114 Resp: 234673
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 43.8
 88 17.0 0.0 33.0

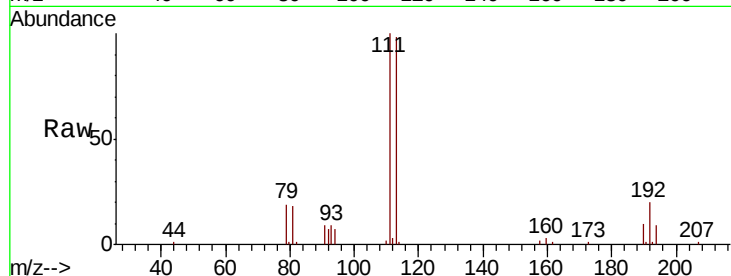




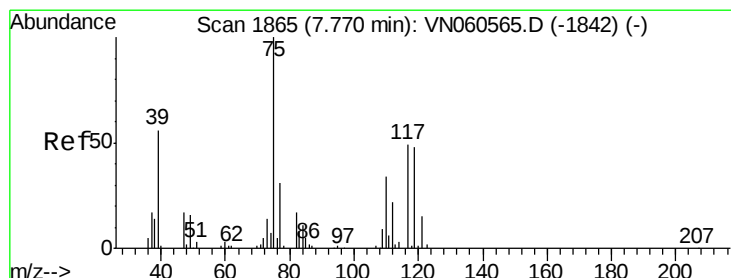
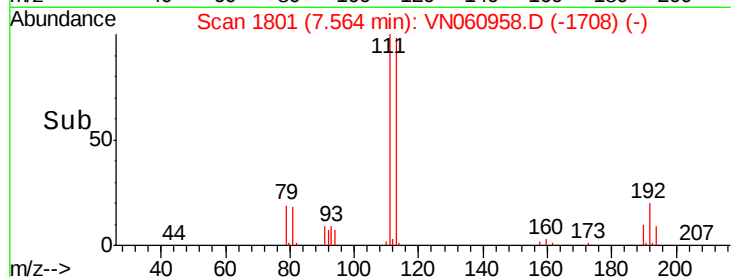
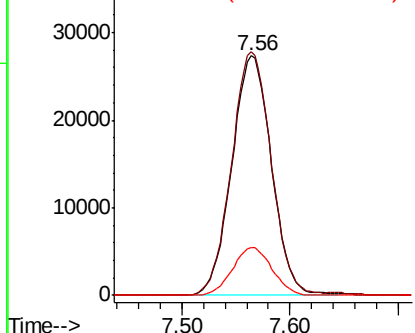
#35
 Dibromofluoromethane
 Concen: 49.335 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060958.D
 Acq: 15 Apr 2020 13:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 70006
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.9 124.3
 192 19.7 15.8 23.8

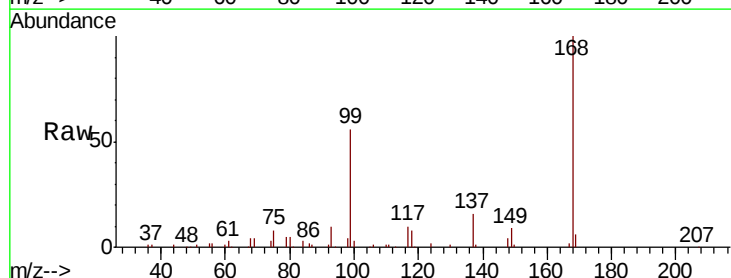


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

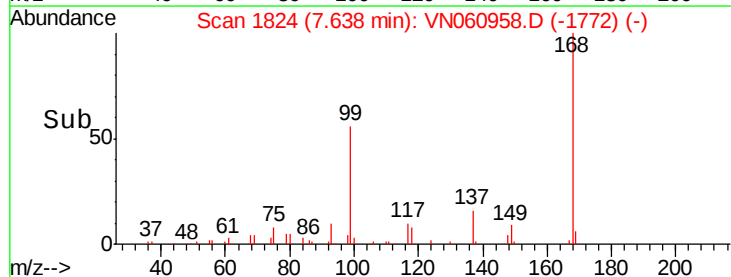
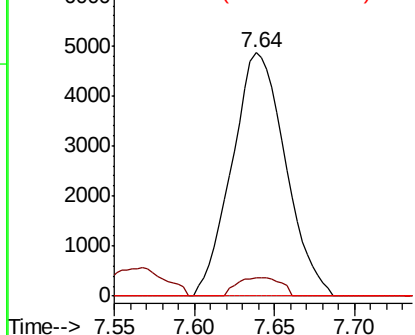


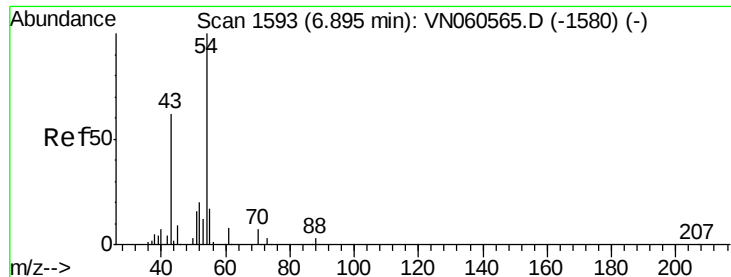
#36
 1,1-Dichloropropene
 Concen: 4.891 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060958.D
 Acq: 15 Apr 2020 13:59

Tgt Ion: 75 Resp: 11114
 Ion Ratio Lower Upper
 75 100
 110 6.2 16.9 50.6#
 77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 1.507 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.09 min

Lab File: VN060958.D

Acq: 15 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampled :

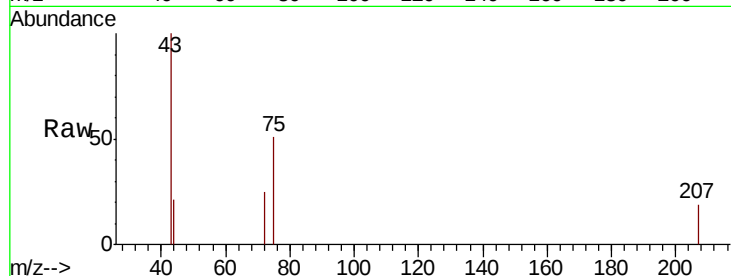
Tot Ion: 43 Resp: 3699

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

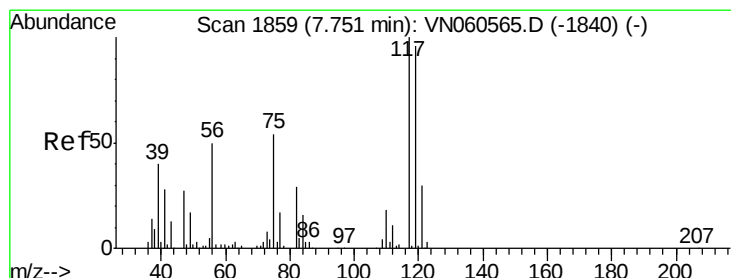
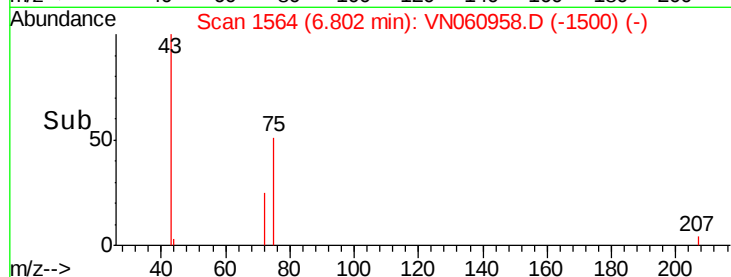
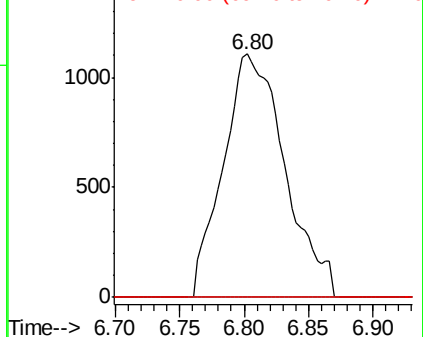
70 0.0 7.9 11.9#



Abundance Ion 43.00 (42.70 to 43.70): VN060958.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060958.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060958.D (-1500) (-)



#38

Carbon Tetrachloride

Concen: 6.472 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060958.D

Acq: 15 Apr 2020 13:59

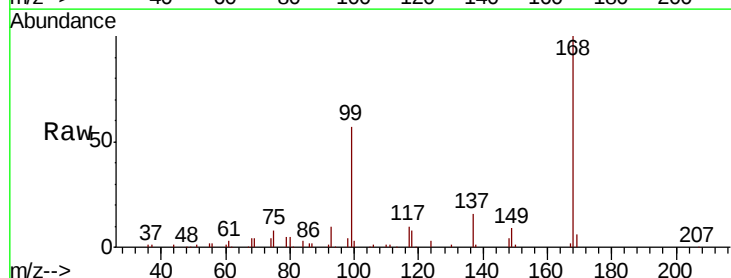
Tgt Ion: 117 Resp: 13180

Ion Ratio Lower Upper

117 100

119 4.4 76.2 114.2#

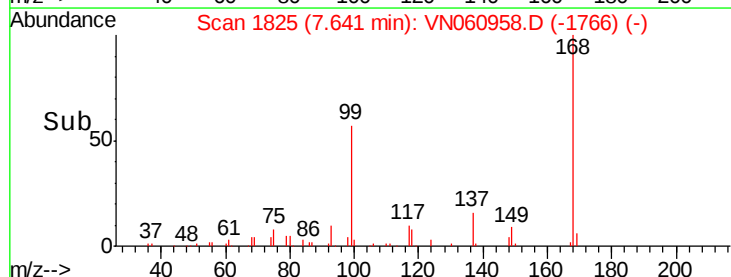
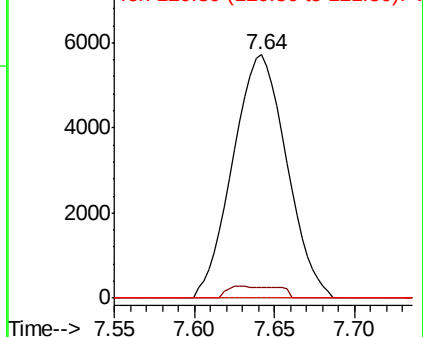
121 0.0 23.7 35.5#

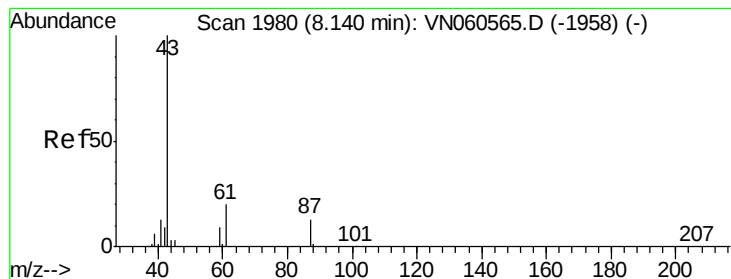


Abundance Ion 116.80 (116.50 to 117.50): VN060958.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060958.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060958.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 6.272 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060958.D

Acq: 15 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampled :

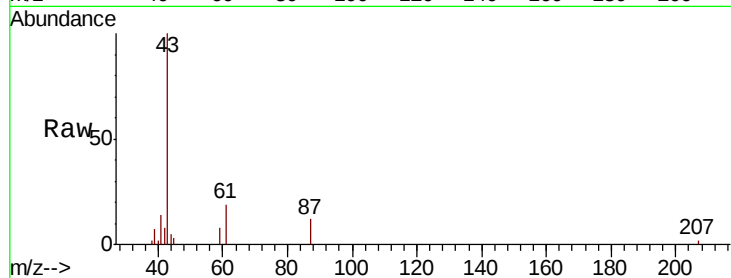
Tot Ion: 43 Resp: 25399

Ion Ratio Lower Upper

43 100

61 18.2 20.7 31.1#

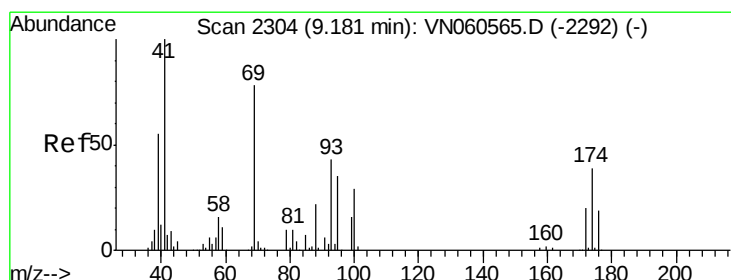
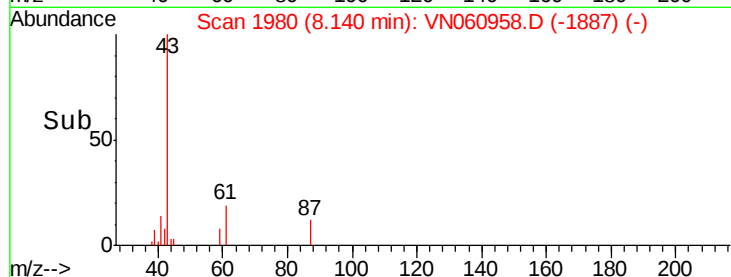
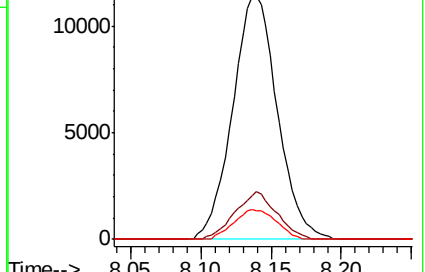
87 11.6 9.8 14.8



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) (-)



#48

Methyl methacrylate

Concen: 0.783 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060958.D

Acq: 15 Apr 2020 13:59

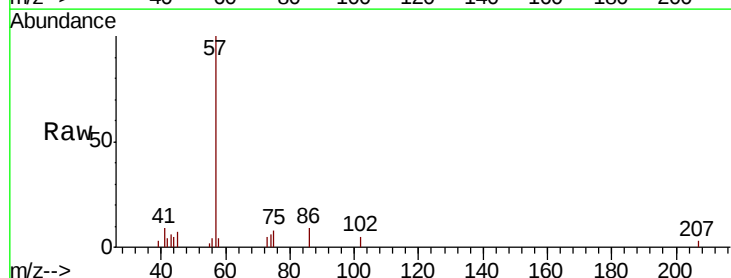
Tgt Ion: 41 Resp: 1411

Ion Ratio Lower Upper

41 100

69 0.0 65.4 98.0#

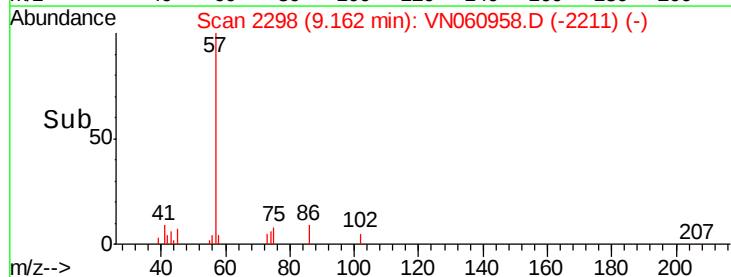
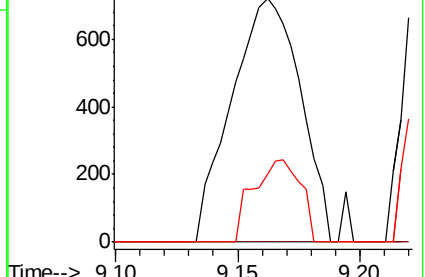
39 0.0 44.0 66.0#

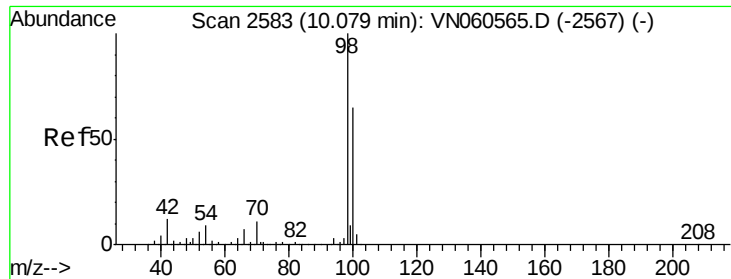


Abundance Ion 41.00 (40.70 to 41.70): VN060565.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN060565.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN060565.D (-2292) (-)





#50

Toluene-d8

Concen: 50.753 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060958.D

Acq: 15 Apr 2020 13:59

Instrument :

MSVOA_N

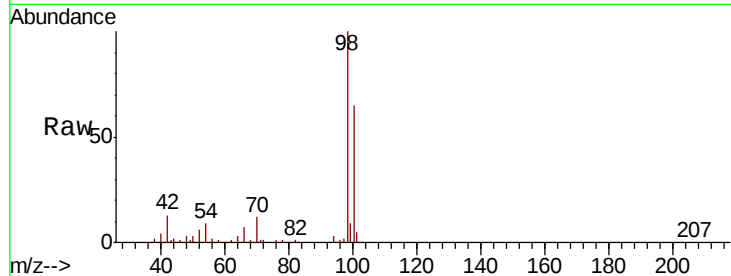
ClientSampled :

Tot Ion: 98 Resp: 294168

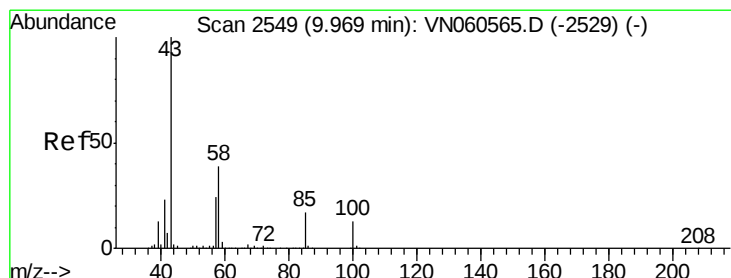
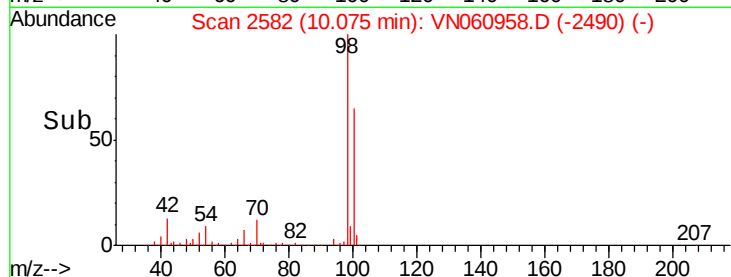
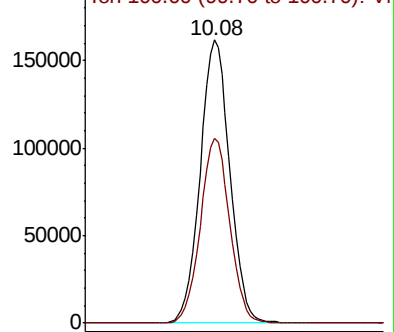
Ion Ratio Lower Upper

98 100

100 64.9 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060958.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.703 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060958.D

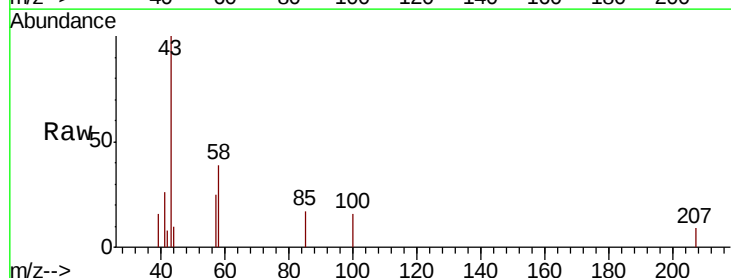
Acq: 15 Apr 2020 13:59

Tgt Ion: 43 Resp: 6228

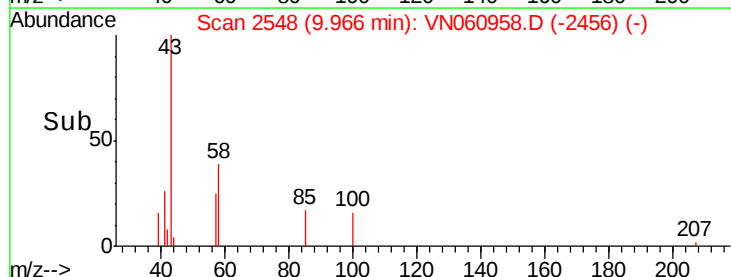
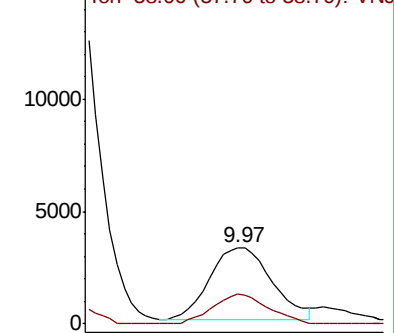
Ion Ratio Lower Upper

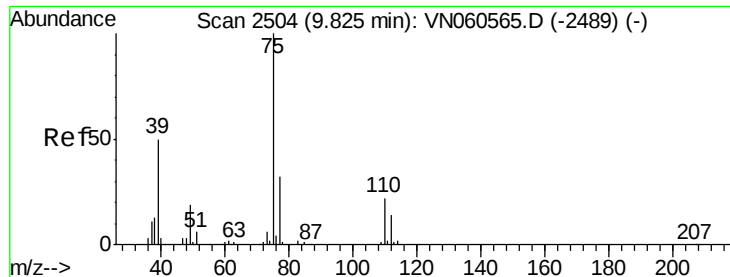
43 100

58 37.4 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060958.D (-2549) (-)





#54

cis-1,3-Dichloropropene

Concen: 5.214 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060958.D

Acq: 15 Apr 2020 13:59

Instrument :
MSVOA_N
ClientSampled :

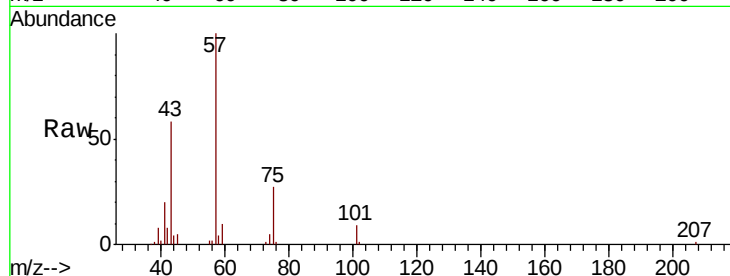
Tot Ion: 75 Resp: 14940

Ion Ratio Lower Upper

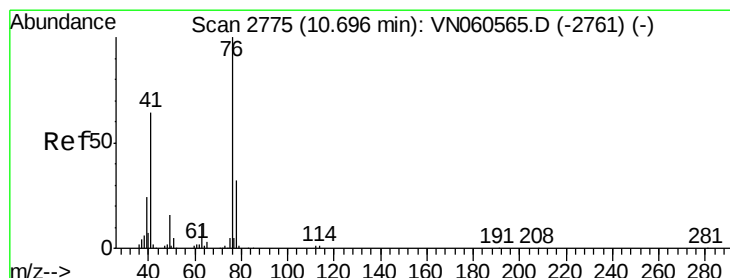
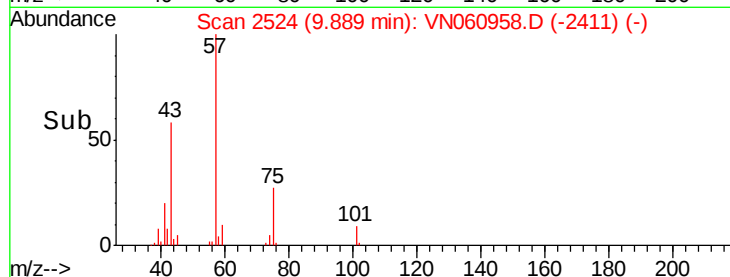
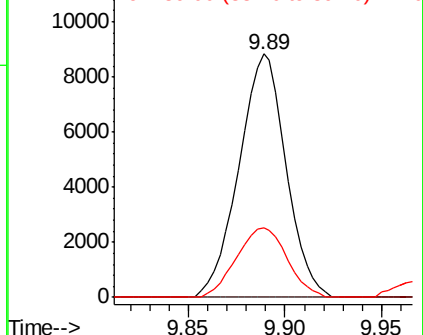
75 100

77 0.0 25.4 38.0#

39 28.7 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 76.90 (76.60 to 77.60): VN0
Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.593 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060958.D

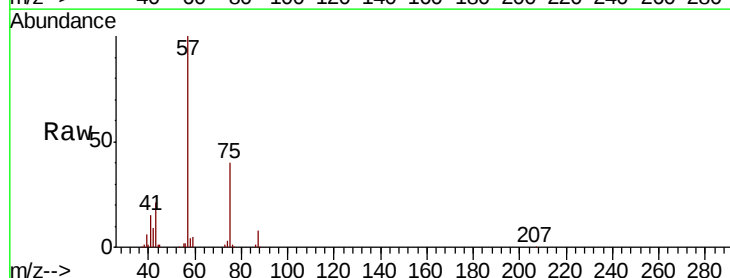
Acq: 15 Apr 2020 13:59

Tgt Ion: 76 Resp: 1640

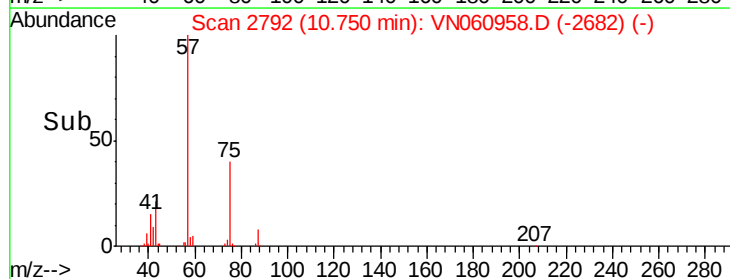
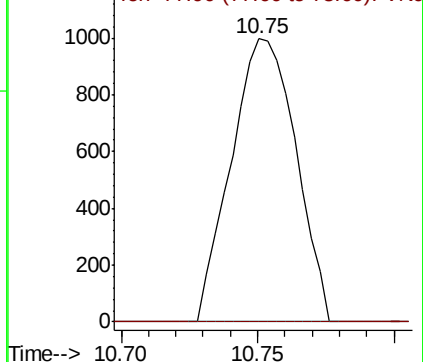
Ion Ratio Lower Upper

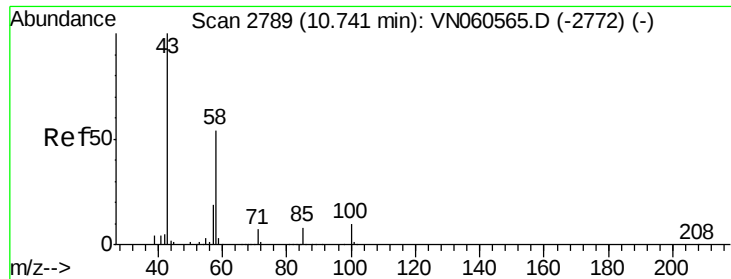
76 100

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

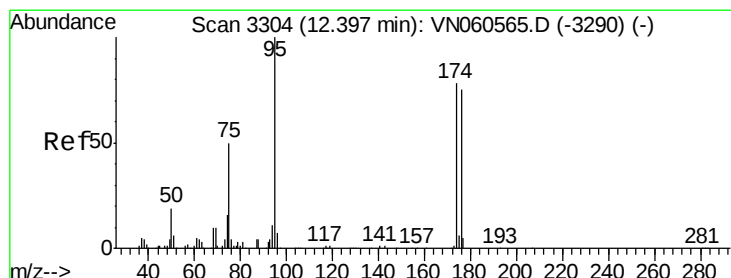
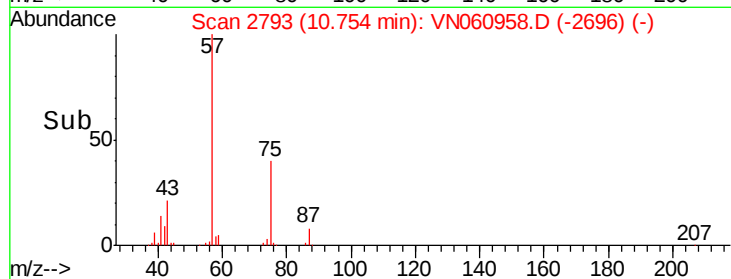
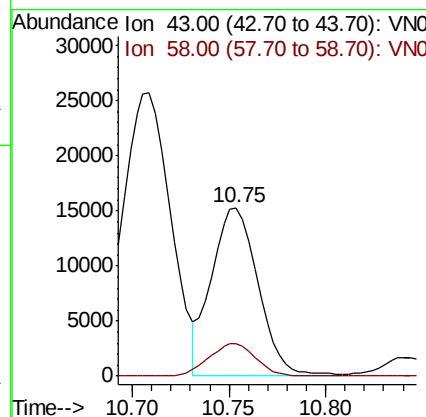
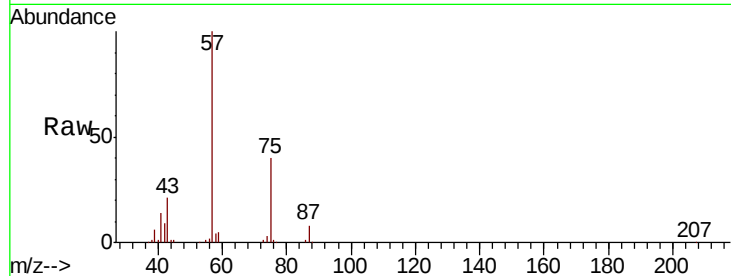




#59
2-Hexanone
Concen: 15.548 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060958.D
Acq: 15 Apr 2020 13:59

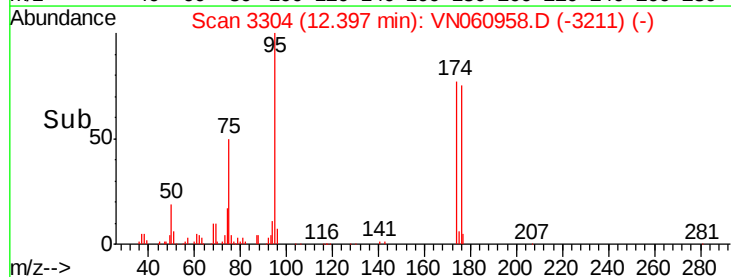
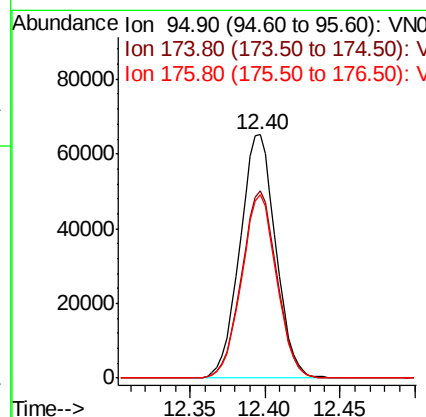
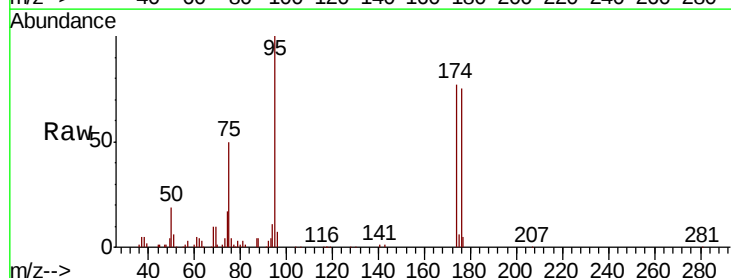
Instrument :
MSVOA_N
ClientSampleId :

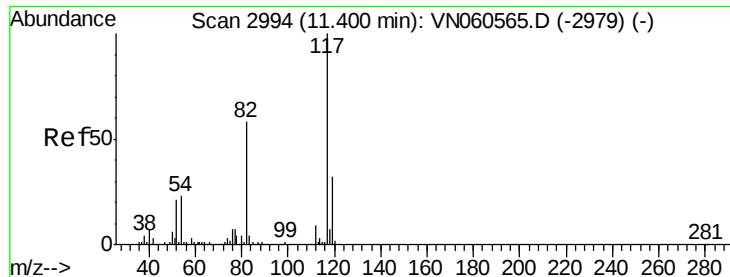
Tot Ion: 43 Resp: 25807
Ion Ratio Lower Upper
43 100
58 19.3 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.051 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060958.D
Acq: 15 Apr 2020 13:59

Tgt Ion: 95 Resp: 108440
Ion Ratio Lower Upper
95 100
174 76.1 0.0 157.6
176 74.0 0.0 150.6

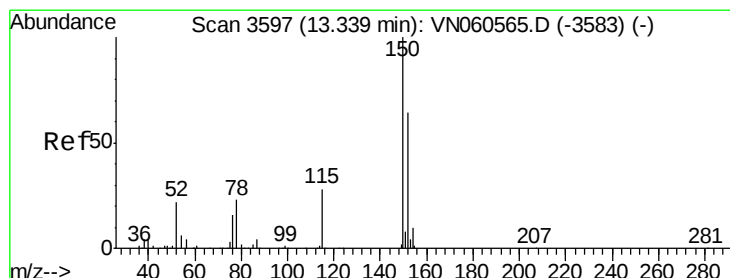
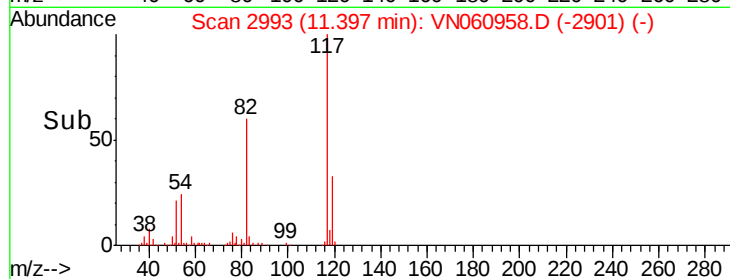
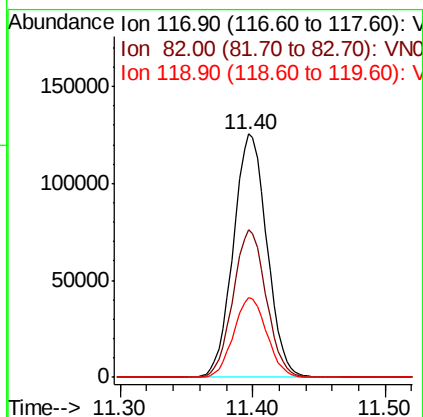
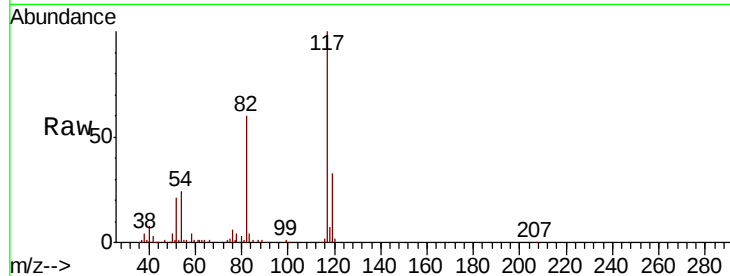




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060958.D
Acq: 15 Apr 2020 13:59

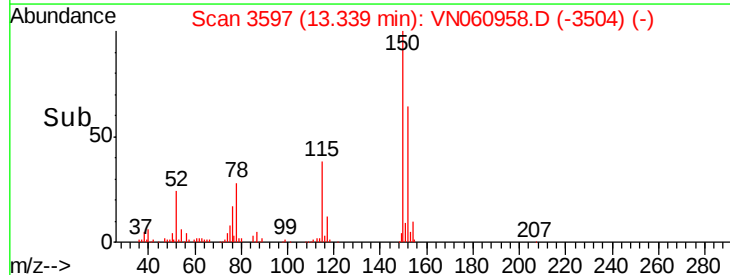
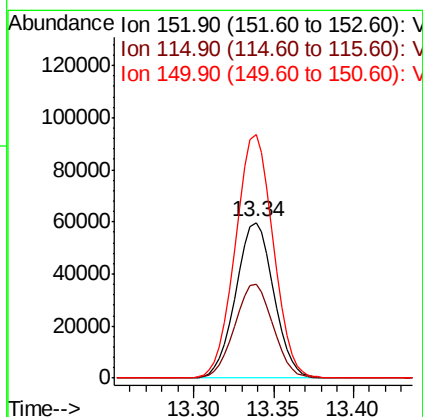
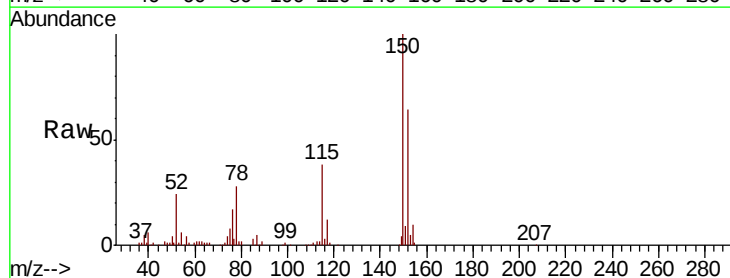
Instrument :
MSVOA_N
ClientSampleId :

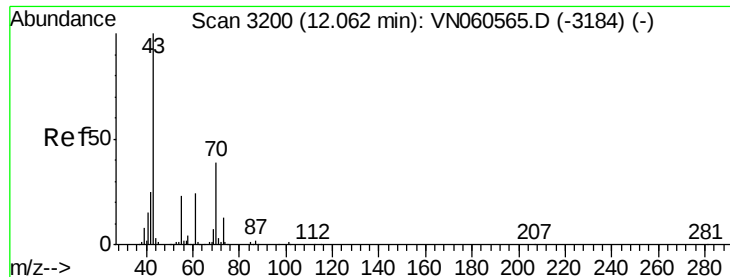
Tot Ion:117 Resp: 220572
Ion Ratio Lower Upper
117 100
82 60.4 46.7 70.1
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060958.D
Acq: 15 Apr 2020 13:59

Tgt Ion:152 Resp: 96215
Ion Ratio Lower Upper
152 100
115 61.0 30.2 90.6
150 156.5 0.0 350.2





#74

N-amvl acetate

Concen: 0.675 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060958.D

Acq: 15 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2252

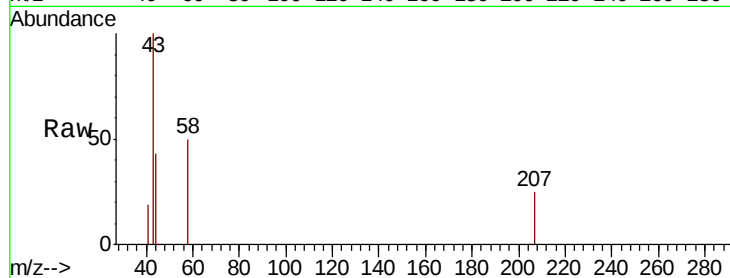
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

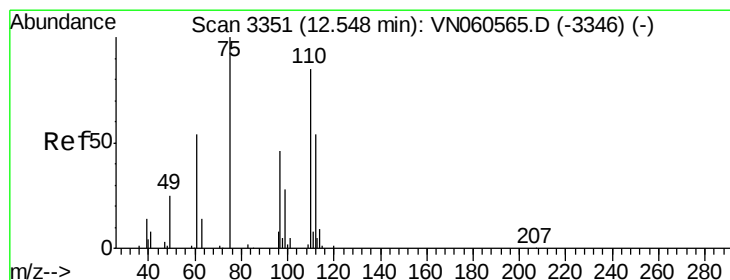
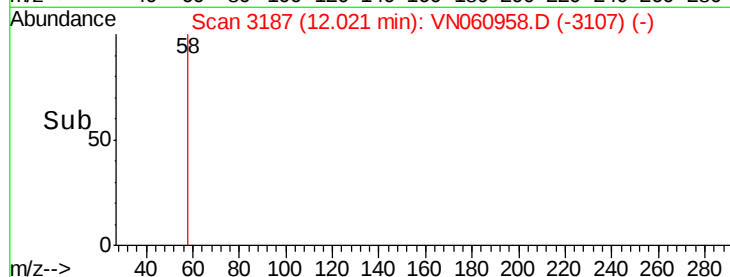
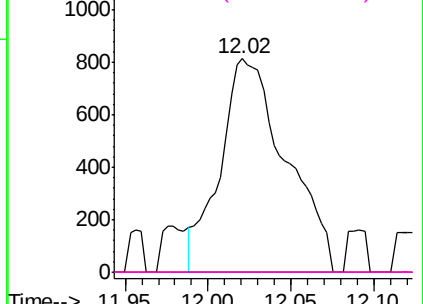


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 26.327 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060958.D

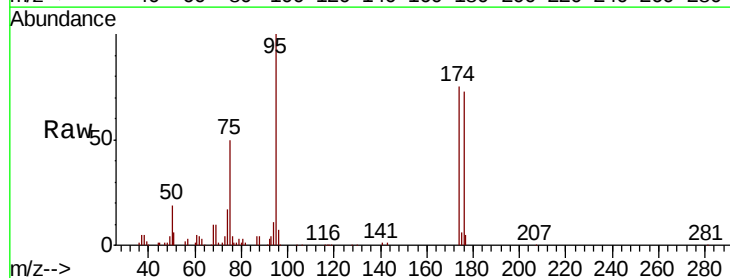
Acq: 15 Apr 2020 13:59

Tgt Ion: 75 Resp: 54659

Ion Ratio Lower Upper

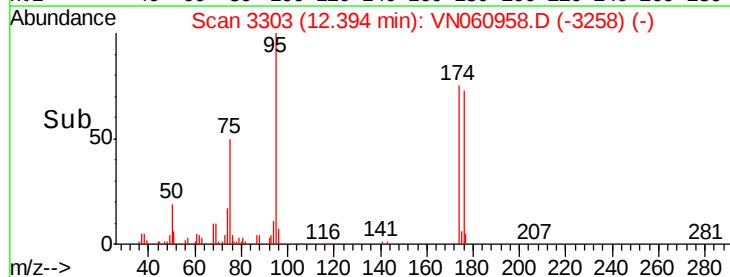
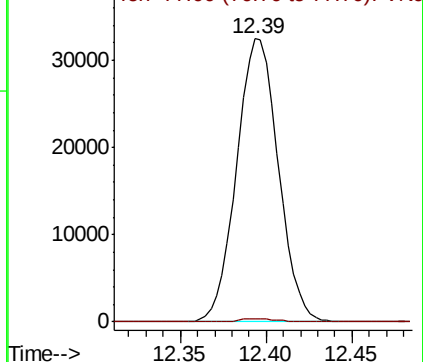
75 100

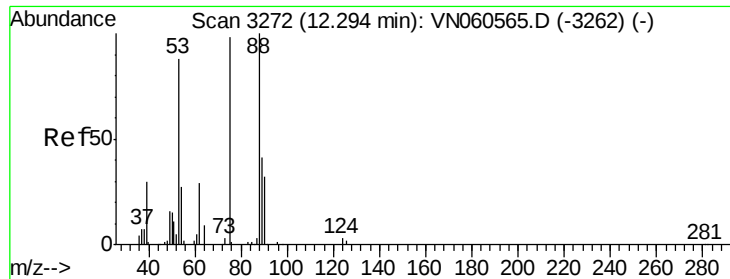
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 67.617 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060958.D

Acq: 15 Apr 2020 13:59

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 54659

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

