

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\
 Data File : VN060850.D
 Acq On : 6 Apr 2020 14:50
 Operator : JC/MD
 Sample : L2129-24
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Quant Time: Apr 07 07:04:31 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	217208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	358968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	334517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147623	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	138517	46.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.90%	
35) Dibromofluoromethane	7.56	113	106173	48.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.82%	
50) Toluene-d8	10.08	98	440153	49.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.40	95	163287	50.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.50%	

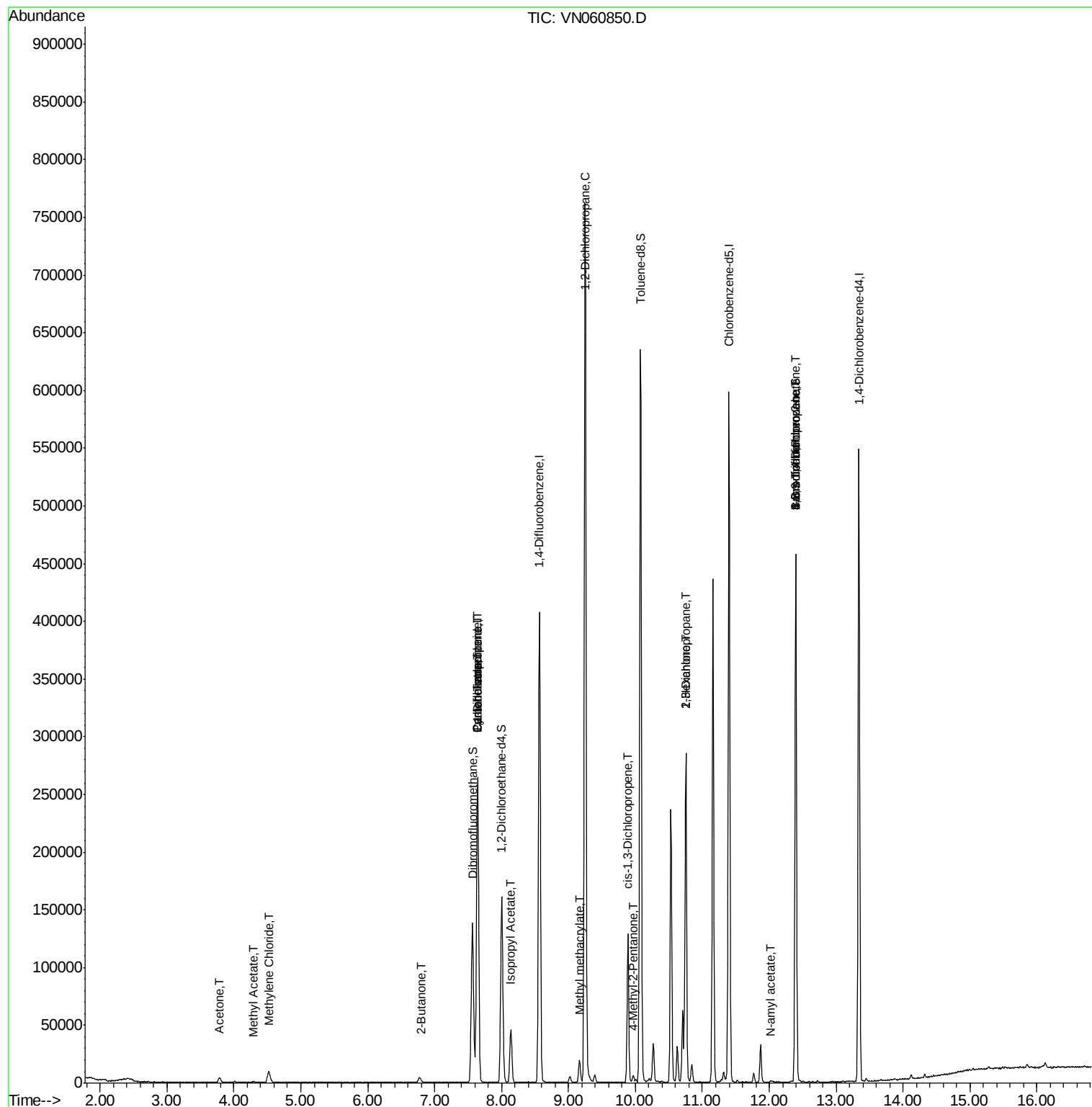
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	8291	7.850	ug/l	95
18) Methyl Acetate	4.29	43	1686	0.567	ug/l #	70
20) Methylene Chloride	4.52	84	7745	2.981	ug/l	94
25) 2-Butanone	6.80	43	908	0.531	ug/l #	50
31) Cyclohexane	7.64	56	4627	0.963	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	16976	4.884	ug/l #	50
38) Carbon Tetrachloride	7.64	117	20501	6.581	ug/l #	17
43) Isopropyl Acetate	8.14	43	54727	8.835	ug/l #	91
45) 1,2-Dichloropropane	9.24	63	808	0.292	ug/l #	43
48) Methyl methacrylate	9.16	41	2935	1.064	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4646	1.318	ug/l #	87
54) cis-1,3-Dichloropropene	9.89	75	22313	5.091	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	2992	0.707	ug/l #	42
59) 2-Hexanone	10.75	43	43140	16.991	ug/l #	51
71) Bromoform	12.39	173	431	1.889	ug/l #	1
74) N-amyl acetate	12.02	43	1777	0.347	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	81935	25.722	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	81935	66.062	ug/l #	13

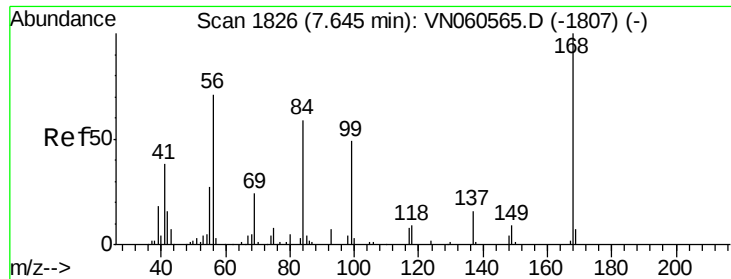
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060850.D

Acq: 6 Apr 2020 14:50

Instrument :

MSVOA_N

ClientSampled :

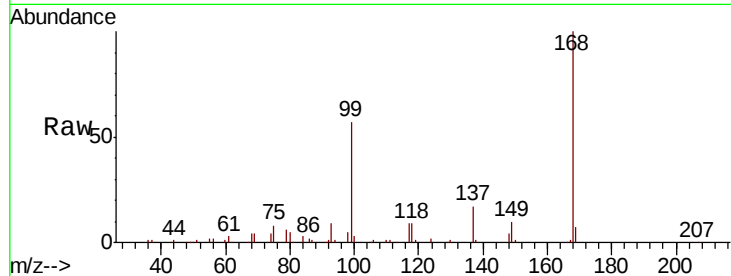
TP-1

Tot Ion:168 Resp: 217208

Ion Ratio Lower Upper

168 100

99 57.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

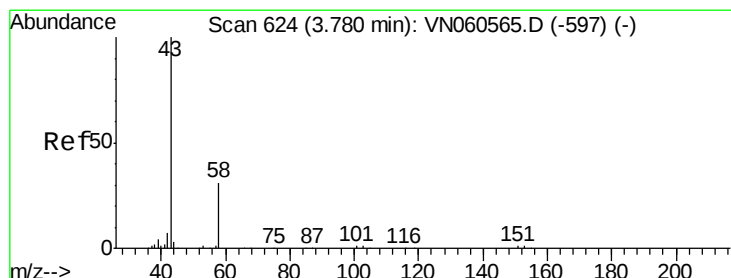
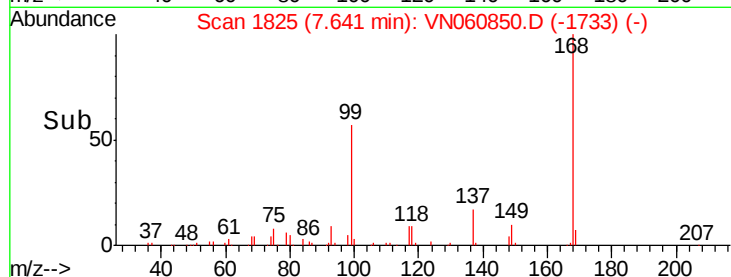
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 7.850 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060850.D

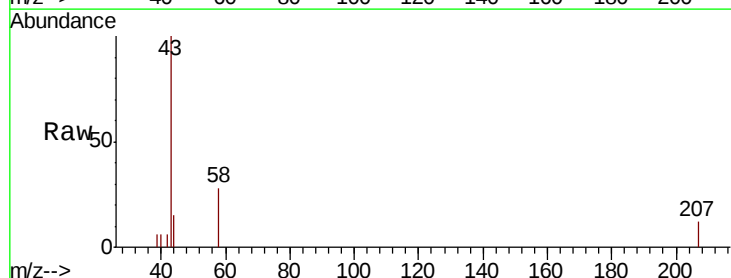
Acq: 6 Apr 2020 14:50

Tgt Ion: 43 Resp: 8291

Ion Ratio Lower Upper

43 100

58 28.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

3000

2500

2000

1500

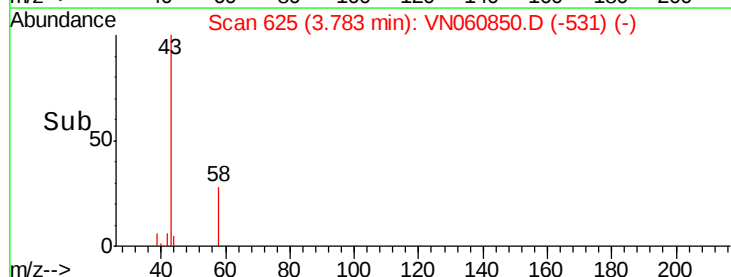
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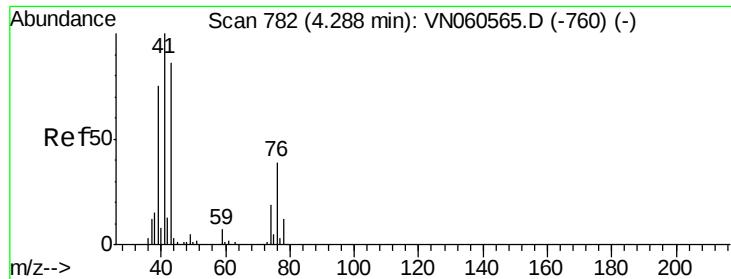
500

0

3.70 3.80 3.90

Time-->

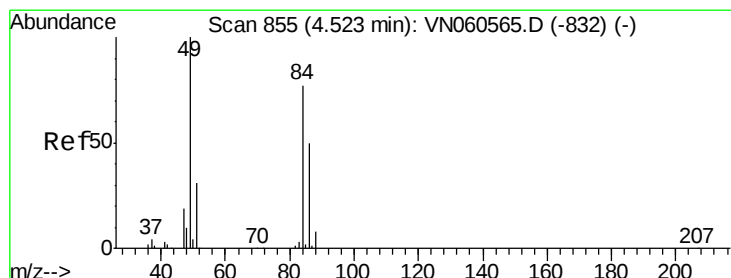
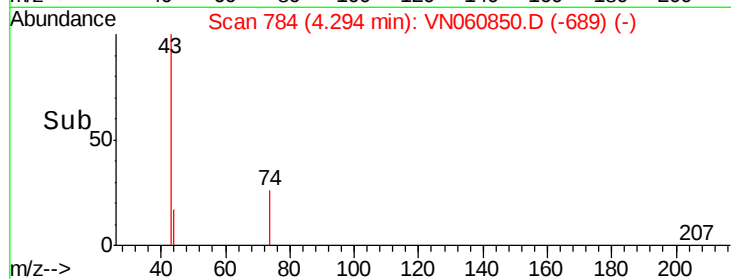
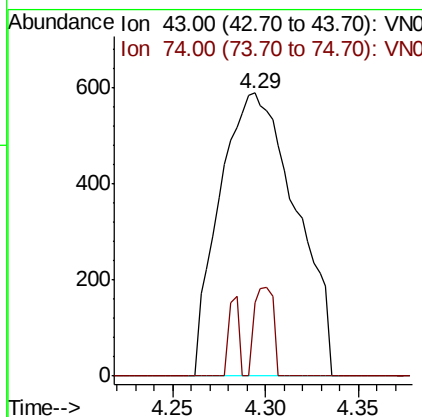
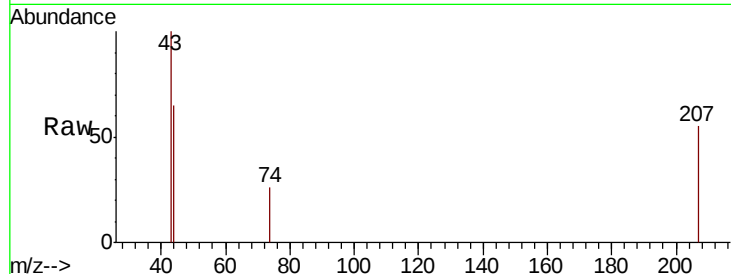




#18
Methyl Acetate
Concen: 0.567 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060850.D
Acq: 6 Apr 2020 14:50

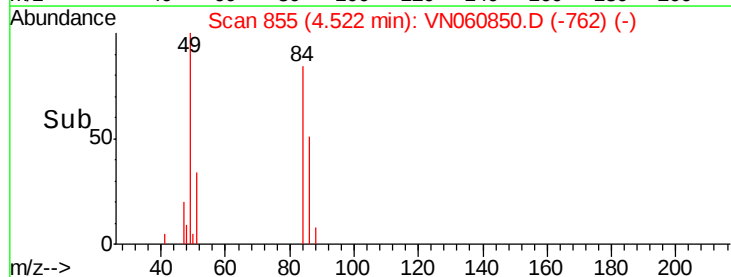
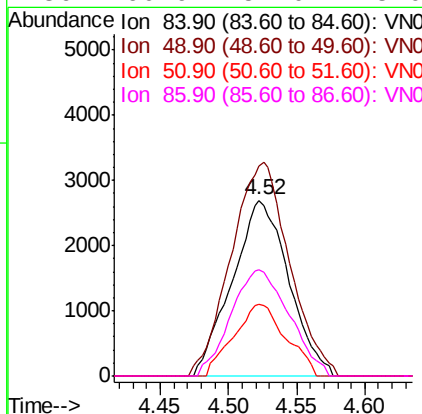
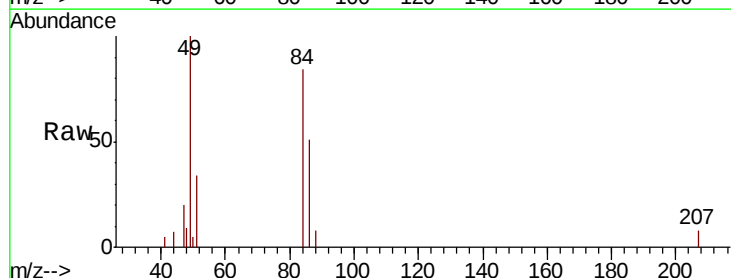
Instrument :
MSVOA_N
ClientSampled :
TP-1

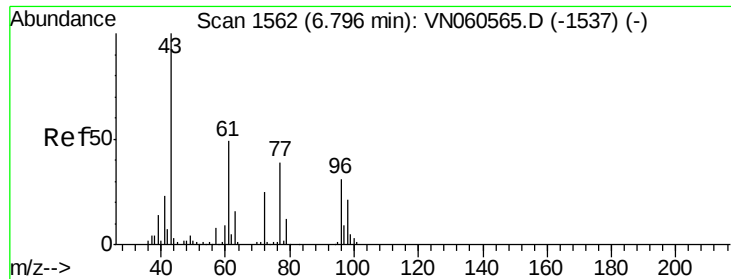
Tot Ion: 43 Resp: 1686
Ion Ratio Lower Upper
43 100
74 7.8 17.5 26.3#



#20
Methylene Chloride
Concen: 2.981 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060850.D
Acq: 6 Apr 2020 14:50

Tgt Ion: 84 Resp: 7745
Ion Ratio Lower Upper
84 100
49 119.3 103.3 154.9
51 40.6 31.6 47.4
86 60.9 52.0 78.0





#25

2-Butanone

Concen: 0.531 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN060850.D

Acq: 6 Apr 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

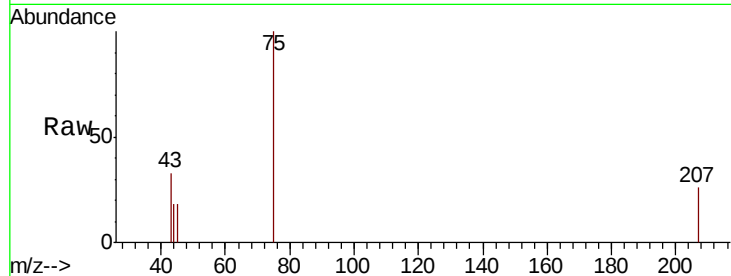
TP-1

Tot Ion: 43 Resp: 908

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.80

400

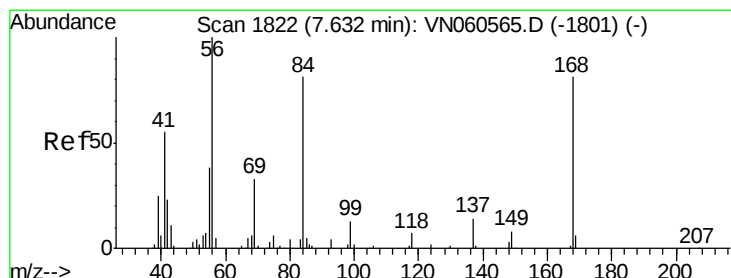
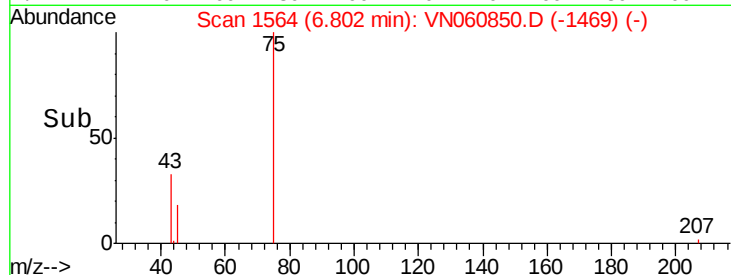
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 0.963 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060850.D

Acq: 6 Apr 2020 14:50

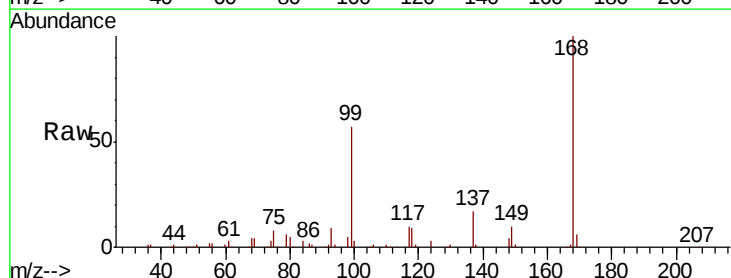
Tgt Ion: 56 Resp: 4627

Ion Ratio Lower Upper

56 100

69 174.2 26.6 40.0#

84 139.8 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

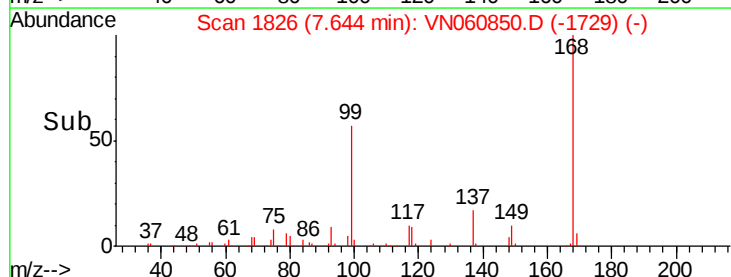
3000

2000

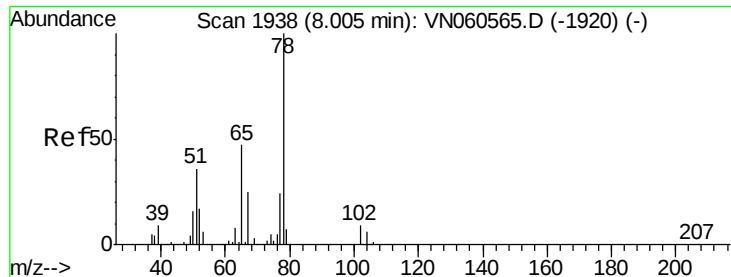
1000

0

Time-->



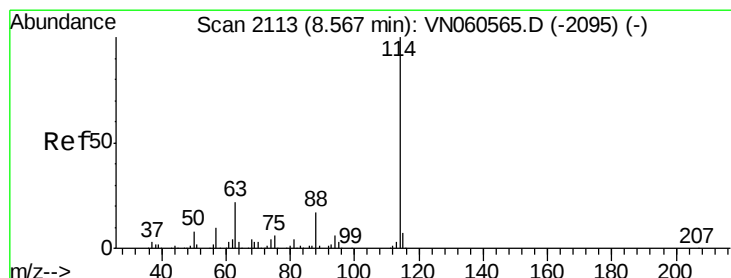
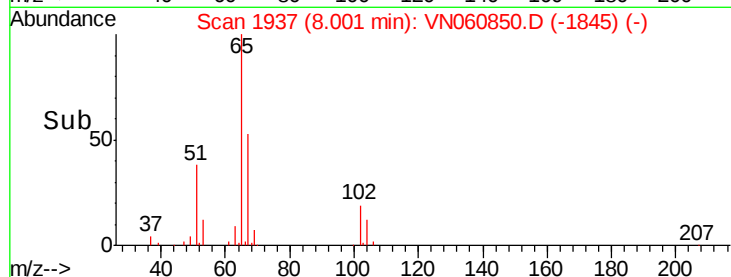
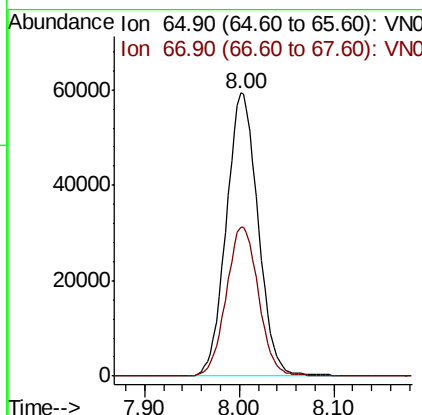
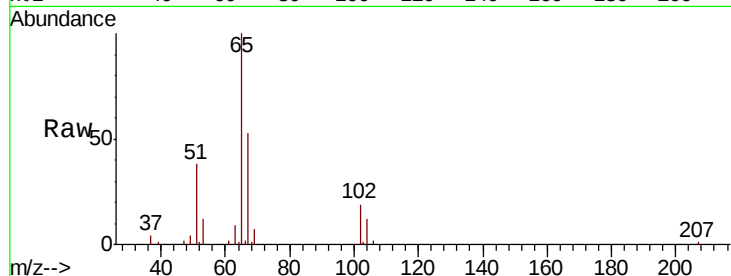
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 46.455 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060850.D
 Acq: 6 Apr 2020 14:50

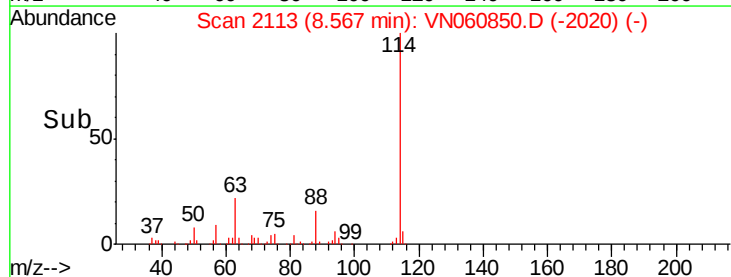
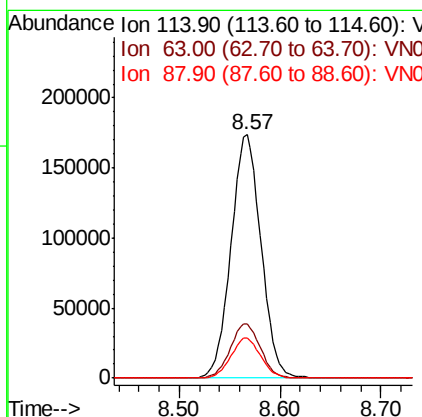
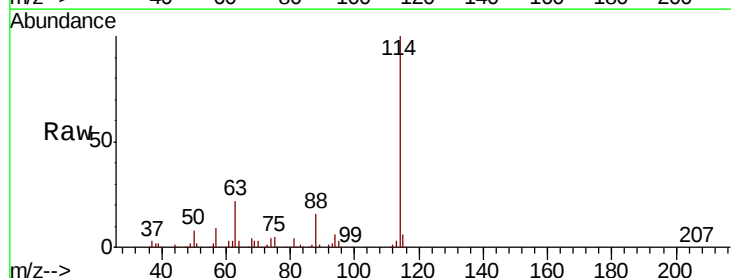
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

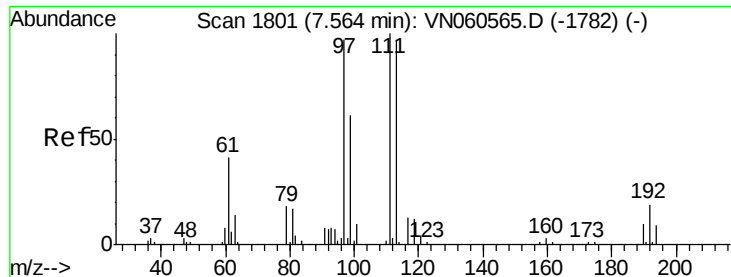
Tot Ion: 65 Resp: 138517
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060850.D
 Acq: 6 Apr 2020 14:50

Tgt Ion: 114 Resp: 358968
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 16.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.915 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060850.D

Acq: 6 Apr 2020 14:50

Instrument :
MSVOA_N
ClientSampled :
TP-1

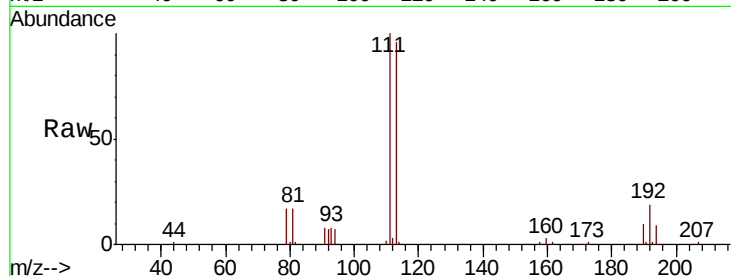
Tot Ion:113 Resp: 106173

Ion Ratio Lower Upper

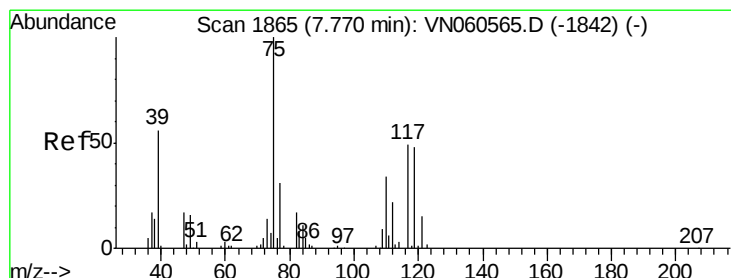
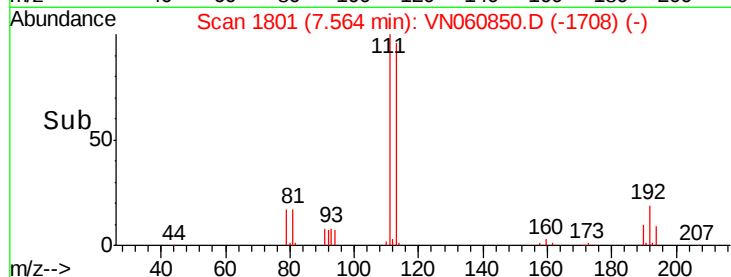
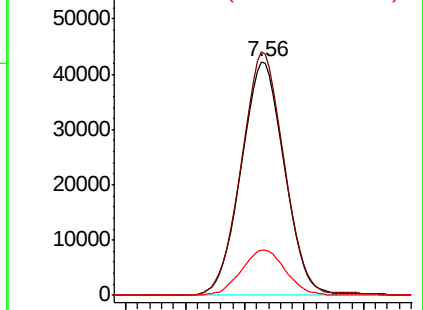
113 100

111 102.9 82.9 124.3

192 19.9 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: 4.884 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060850.D

Acq: 6 Apr 2020 14:50

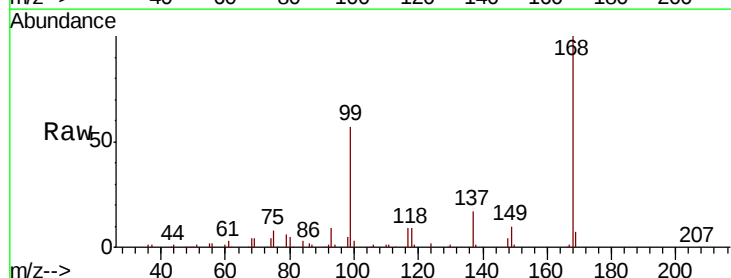
Tgt Ion: 75 Resp: 16976

Ion Ratio Lower Upper

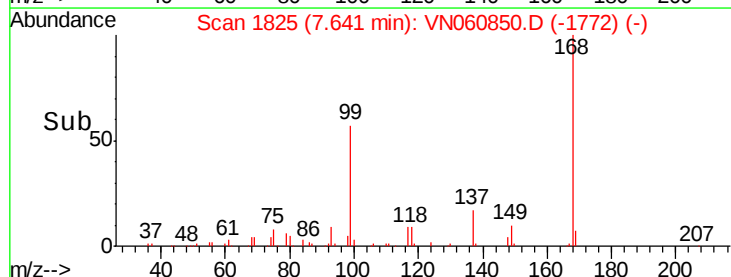
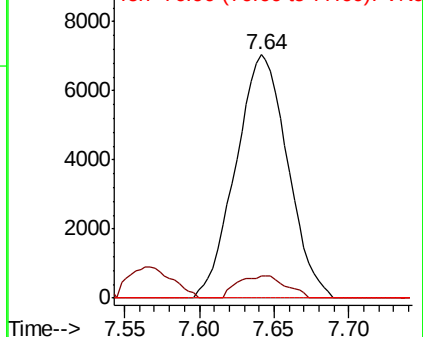
75 100

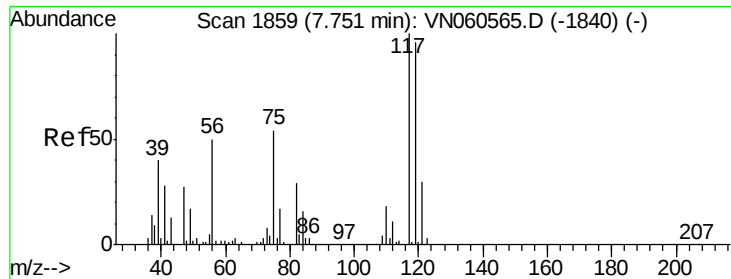
110 8.5 16.9 50.6#

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

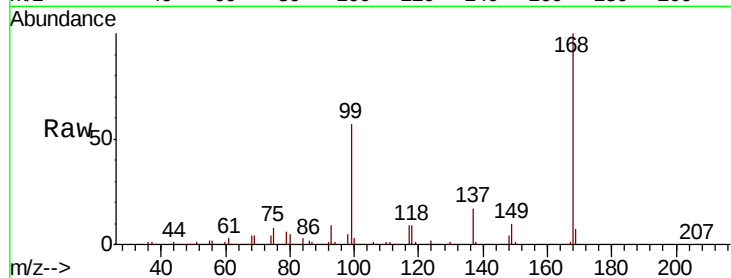




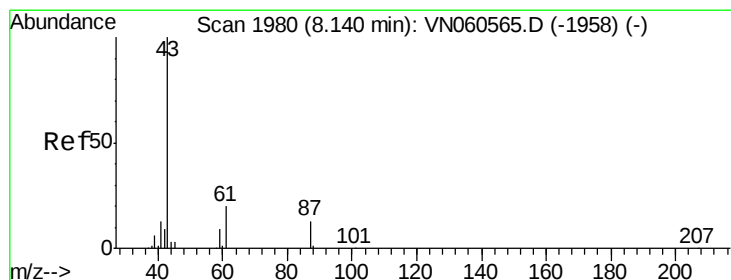
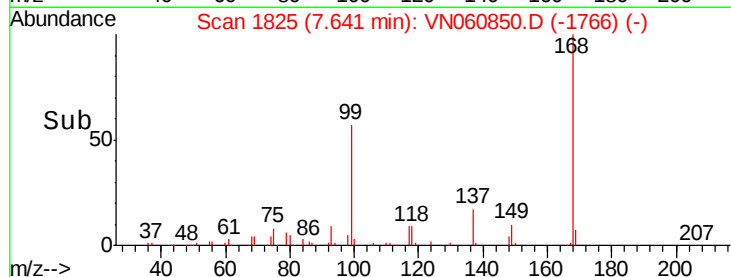
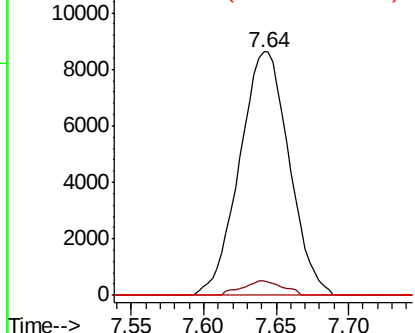
#38
Carbon Tetrachloride
Concen: 6.581 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060850.D
Acq: 6 Apr 2020 14:50

Instrument :
MSVOA_N
ClientSampled :
TP-1

Tot Ion:117 Resp: 20501
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 23.7 35.5#

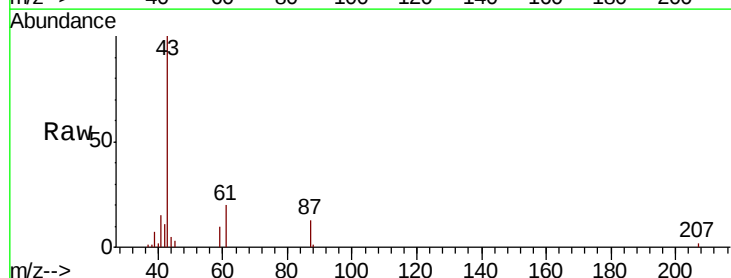


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

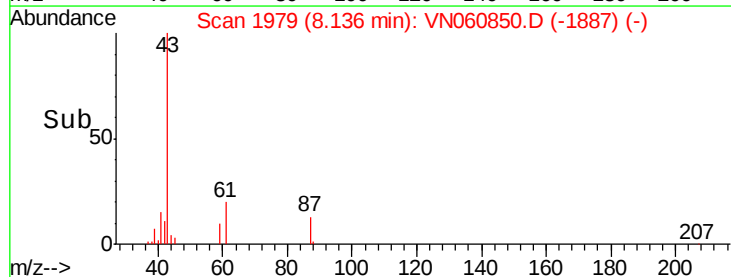
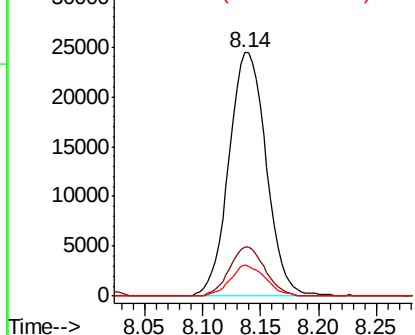


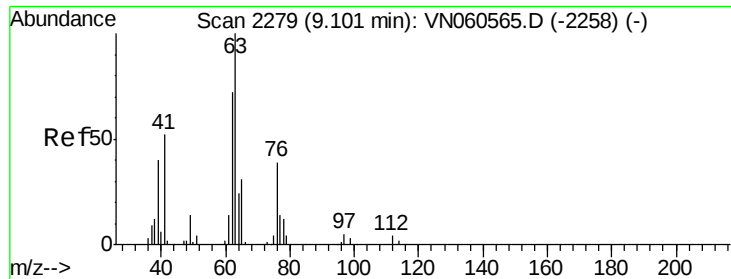
#43
Isopropyl Acetate
Concen: 8.835 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060850.D
Acq: 6 Apr 2020 14:50

Tgt Ion: 43 Resp: 54727
Ion Ratio Lower Upper
43 100
61 19.2 20.7 31.1#
87 11.9 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

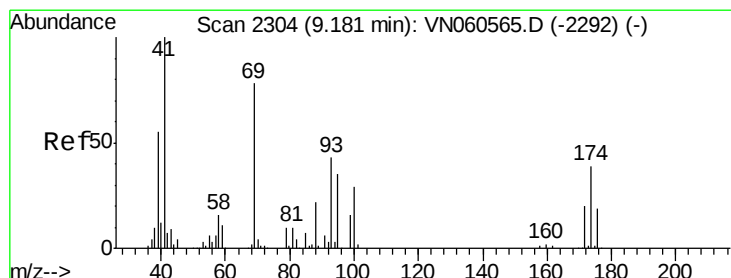
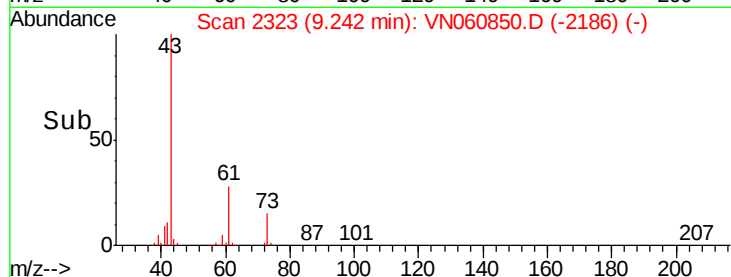
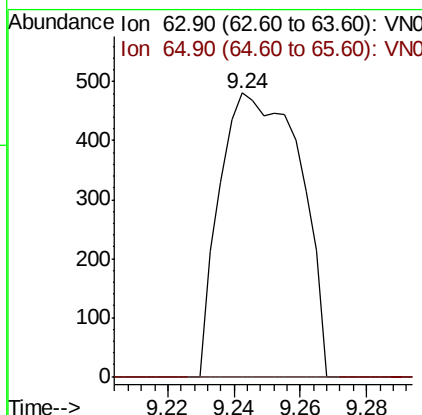
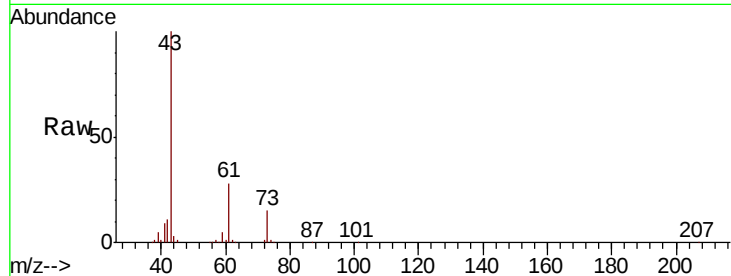




#45
 1,2-Dichloropropane
 Concen: 0.292 ug/l
 RT: 9.24 min Scan# 2323
 Delta R.T. 0.14 min
 Lab File: VN060850.D
 Acq: 6 Apr 2020 14:50

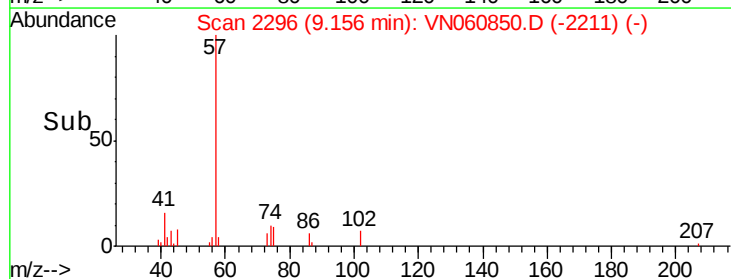
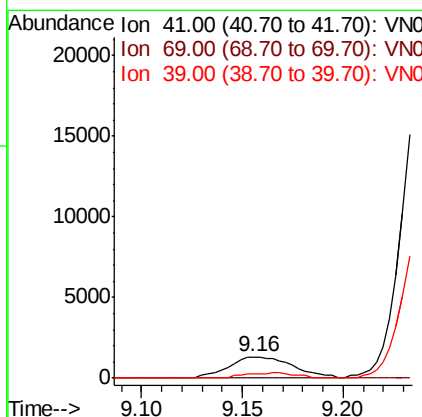
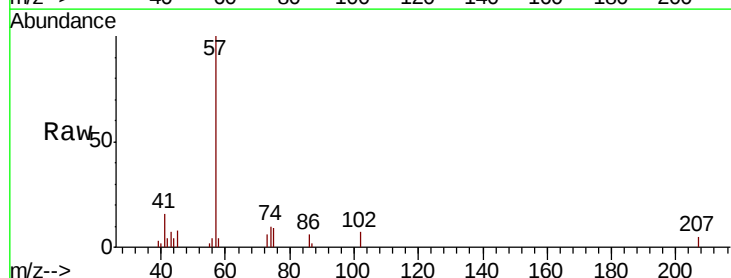
Instrument :
 MSVOA_N
 ClientSampled :
 TP-1

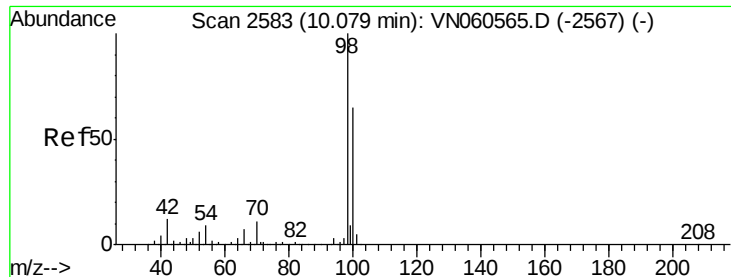
Tot Ion: 63 Resp: 808
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.064 ug/l
 RT: 9.16 min Scan# 2296
 Delta R.T. -0.03 min
 Lab File: VN060850.D
 Acq: 6 Apr 2020 14:50

Tgt Ion: 41 Resp: 2935
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 49.646 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060850.D

Acq: 6 Apr 2020 14:50

Instrument :

MSVOA_N

ClientSampled :

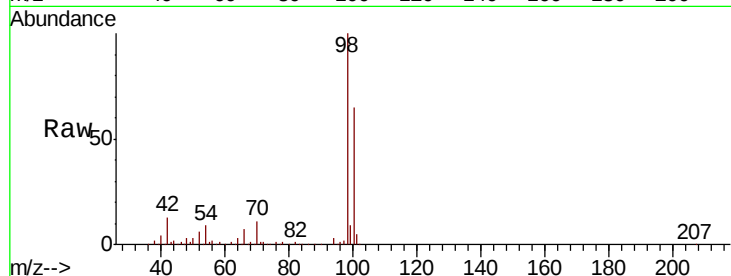
TP-1

Tot Ion: 98 Resp: 440153

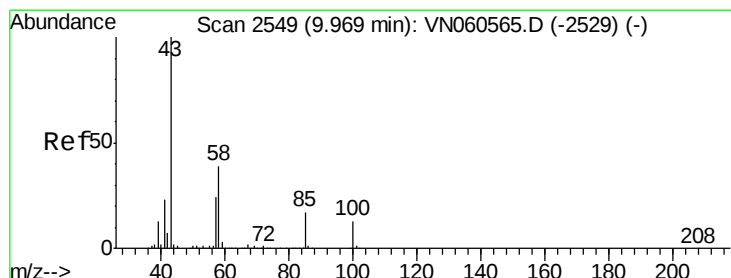
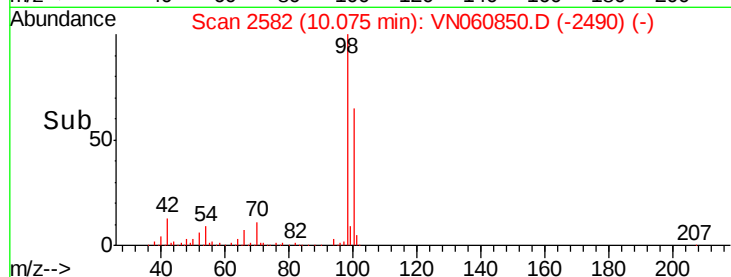
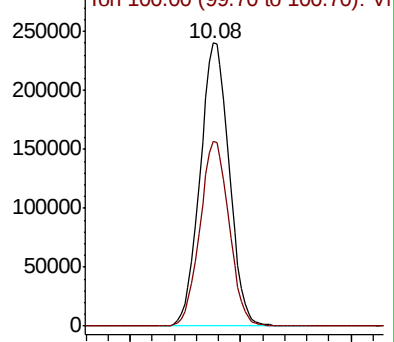
Ion Ratio Lower Upper

98 100

100 65.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060850.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.318 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060850.D

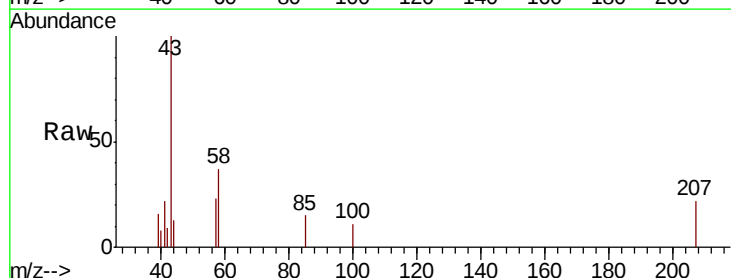
Acq: 6 Apr 2020 14:50

Tgt Ion: 43 Resp: 4646

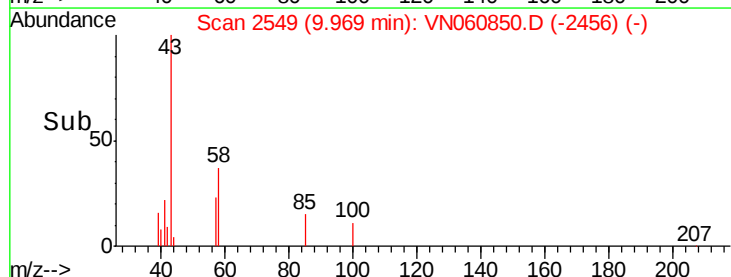
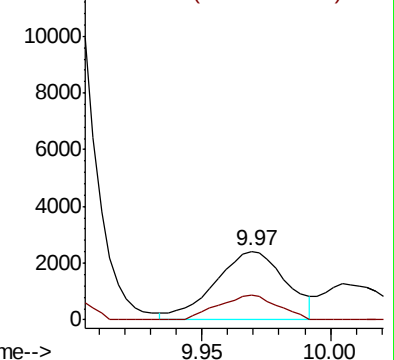
Ion Ratio Lower Upper

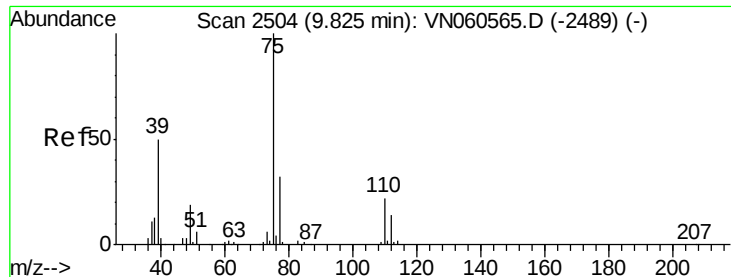
43 100

58 30.5 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060850.D (-2456) (-)





#54

cis-1,3-Dichloropropene

Concen: 5.091 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060850.D

Acq: 6 Apr 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

TP-1

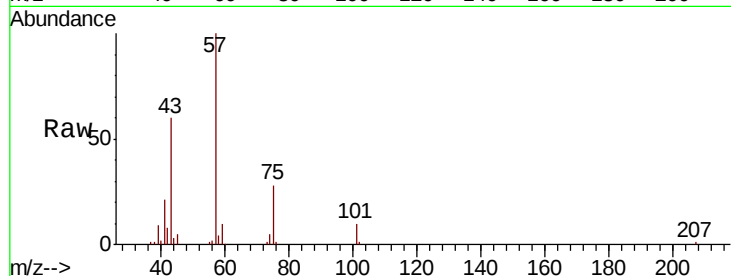
Tot Ion: 75 Resp: 22313

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

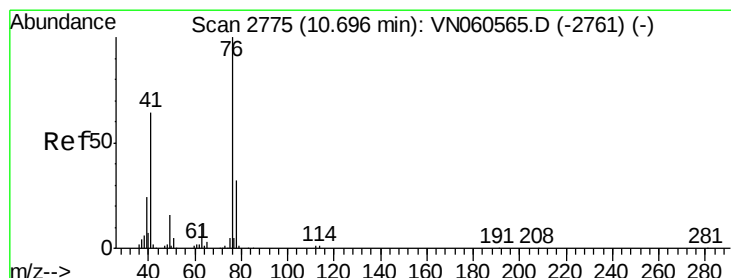
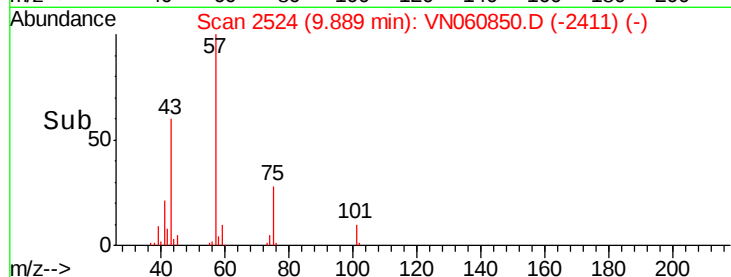
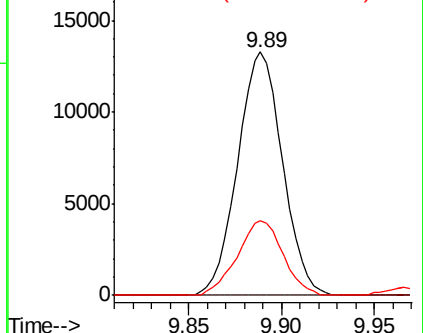
39 30.9 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.707 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060850.D

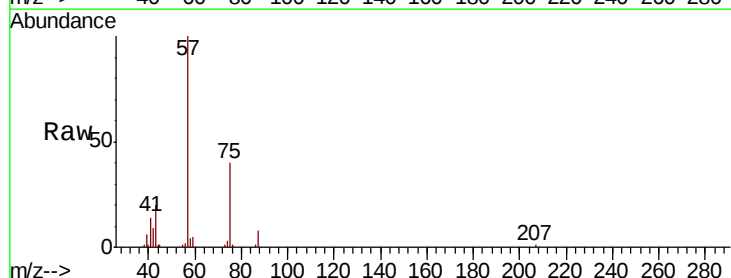
Acq: 6 Apr 2020 14:50

Tgt Ion: 76 Resp: 2992

Ion Ratio Lower Upper

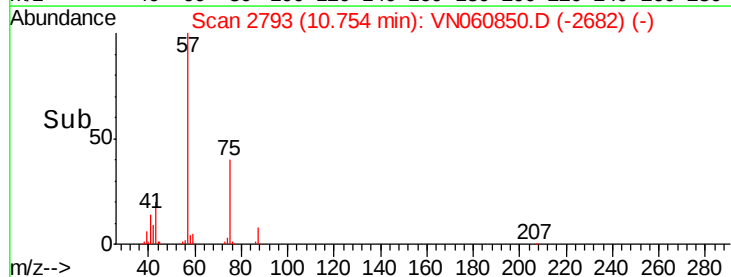
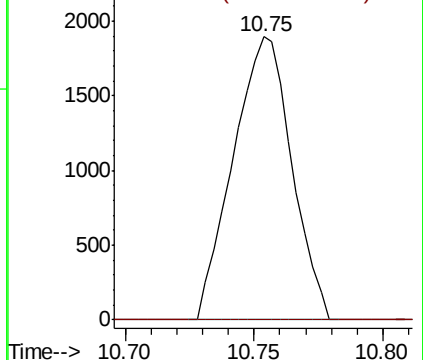
76 100

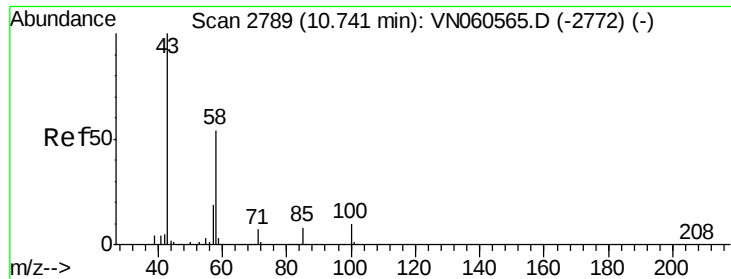
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

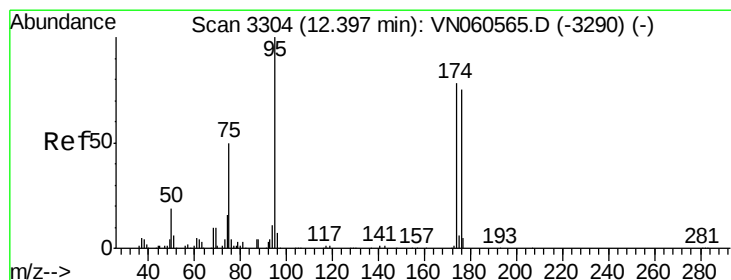
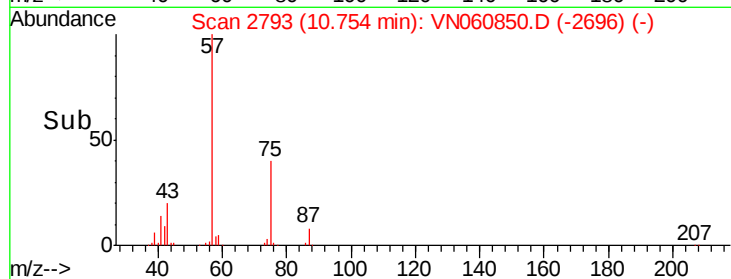
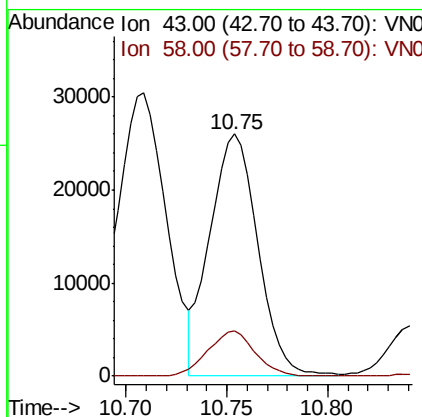
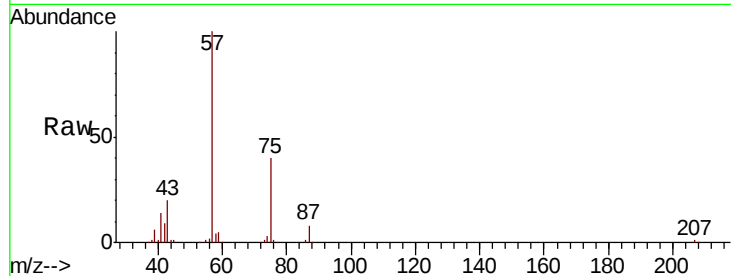




#59
2-Hexanone
Concen: 16.991 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060850.D
Acq: 6 Apr 2020 14:50

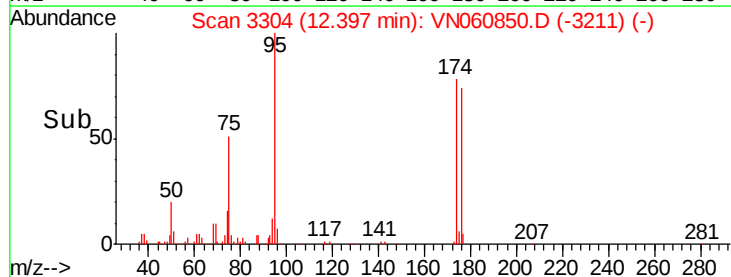
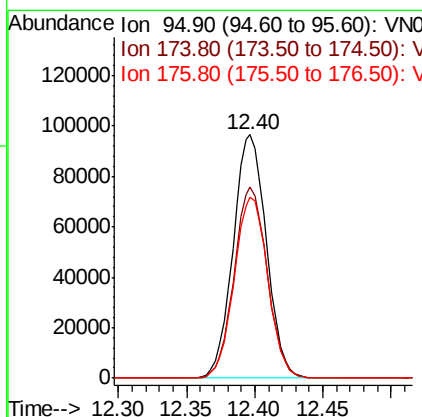
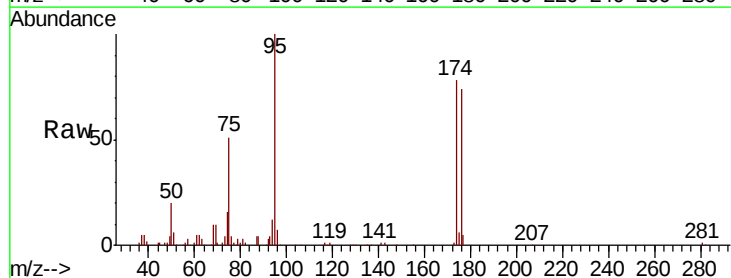
Instrument :
MSVOA_N
ClientSampled :
TP-1

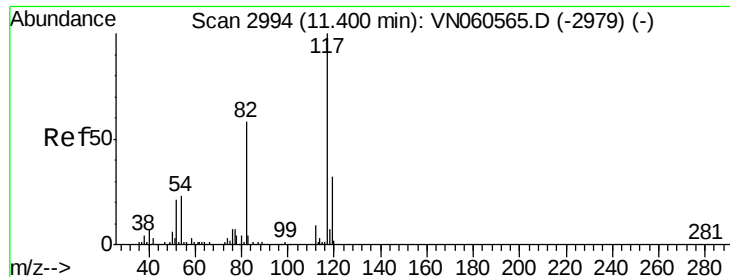
Tot Ion: 43 Resp: 43140
Ion Ratio Lower Upper
43 100
58 18.3 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 50.254 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060850.D
Acq: 6 Apr 2020 14:50

Tgt Ion: 95 Resp: 163287
Ion Ratio Lower Upper
95 100
174 78.0 0.0 157.6
176 75.0 0.0 150.6

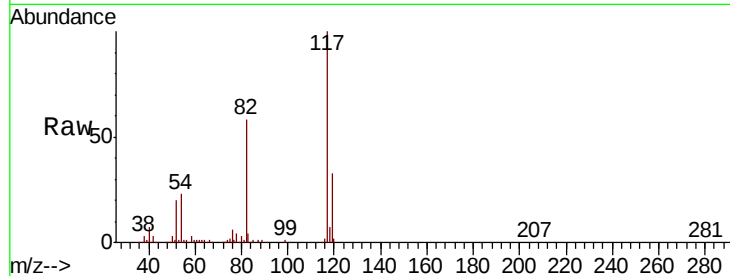




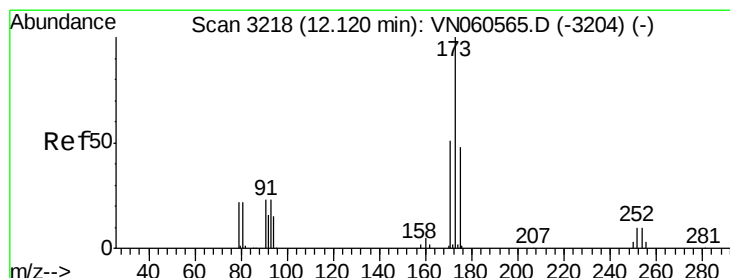
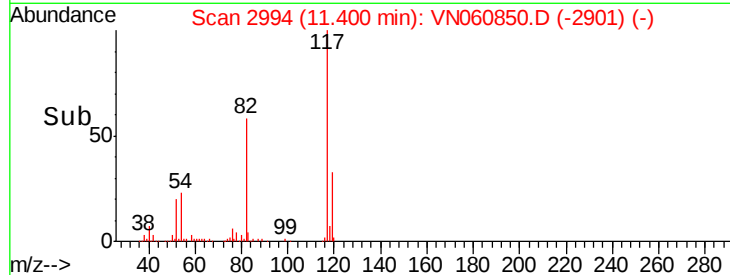
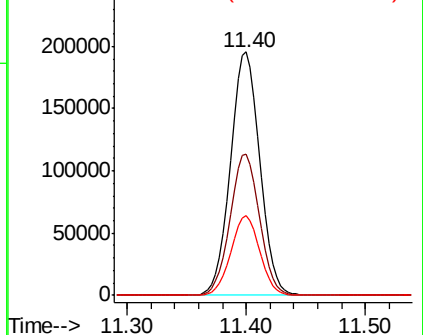
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060850.D
Acq: 6 Apr 2020 14:50

Instrument :
MSVOA_N
ClientSampled :
TP-1

Tot Ion:117 Resp: 334517
Ion Ratio Lower Upper
117 100
82 58.0 46.7 70.1
119 32.6 25.5 38.3

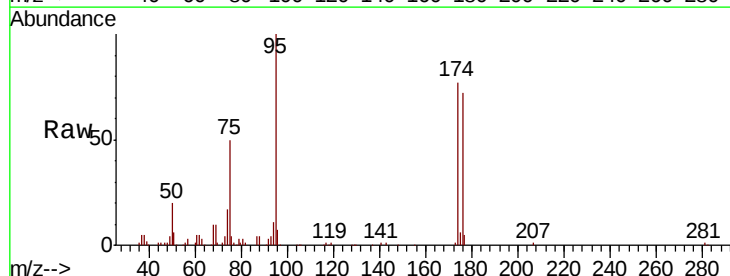


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

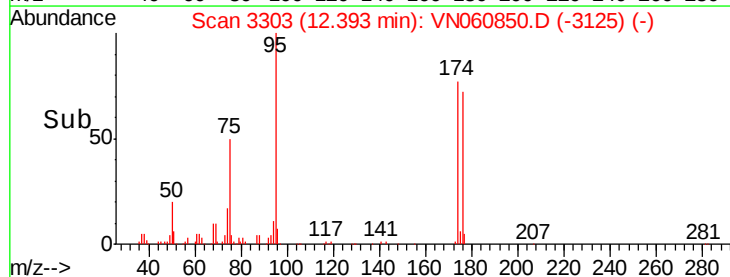
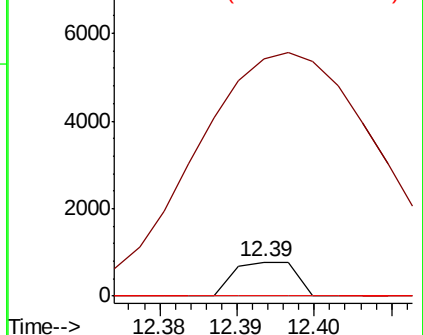


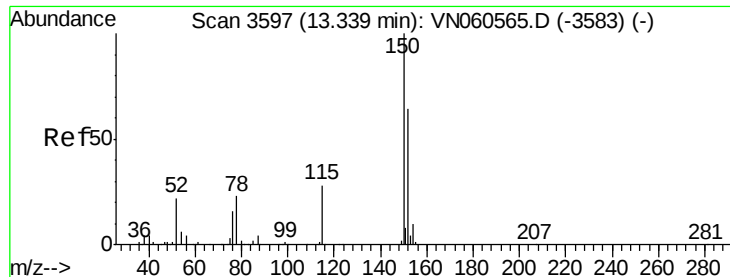
#71
Bromoform
Concen: 1.889 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060850.D
Acq: 6 Apr 2020 14:50

Tgt Ion:173 Resp: 431
Ion Ratio Lower Upper
173 100
175 1851.3 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: VN060850.D

Acq: 6 Apr 2020 14:50

Instrument :

MSVOA_N

ClientSampled :

TP-1

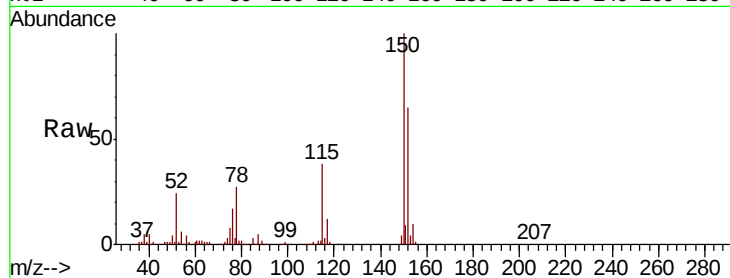
Tot Ion:152 Resp: 147623

Ion Ratio Lower Upper

152 100

115 59.0 30.2 90.6

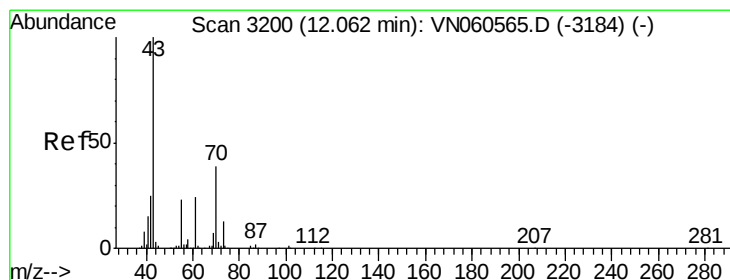
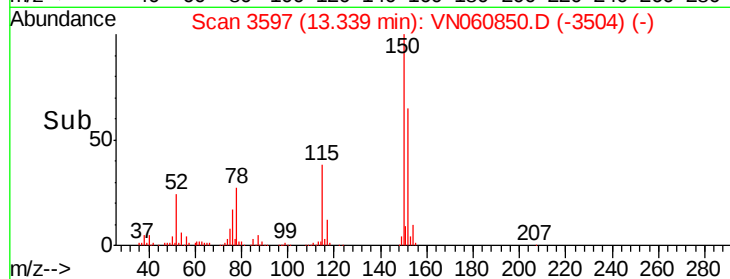
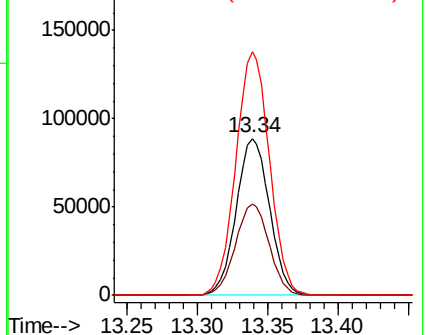
150 156.3 0.0 350.2



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-ethyl acetate

Concen: 0.347 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060850.D

Acq: 6 Apr 2020 14:50

Tgt Ion: 43 Resp: 1777

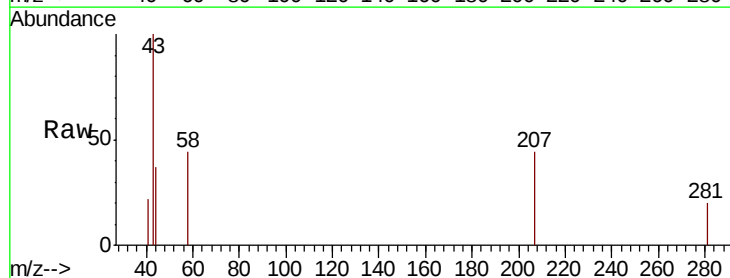
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

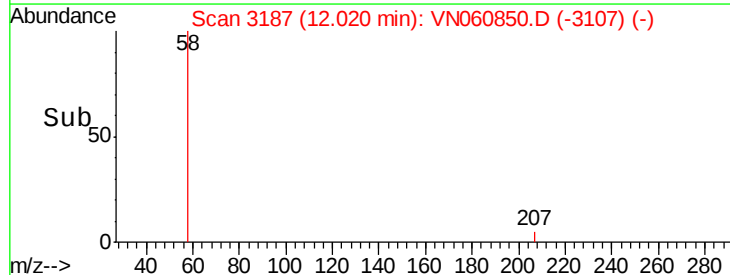
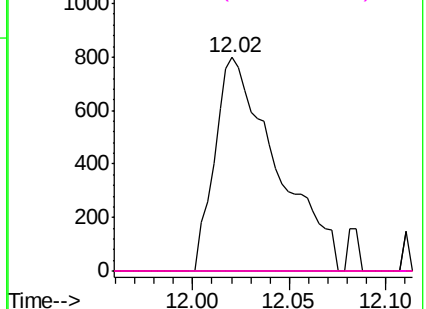


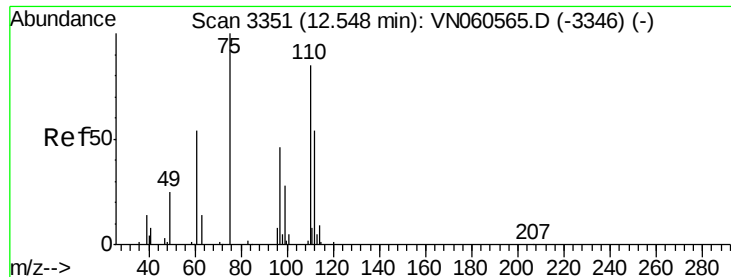
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 25.722 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060850.D

Acq: 6 Apr 2020 14:50

Instrument :

MSVOA_N

ClientSampled :

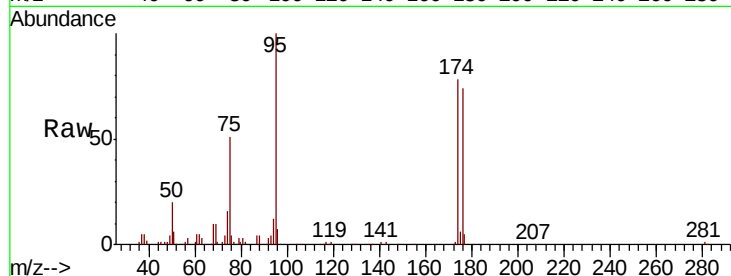
TP-1

Tot Ion: 75 Resp: 81935

Ion Ratio Lower Upper

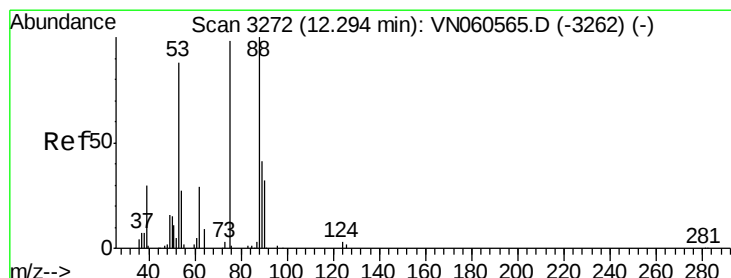
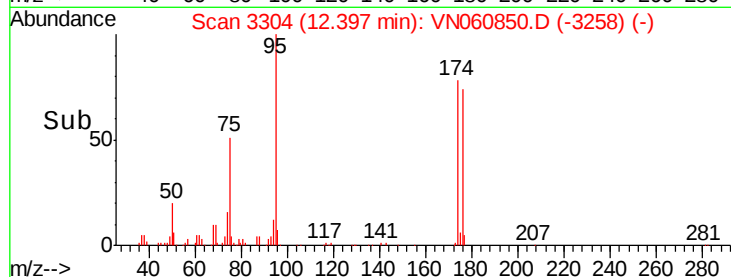
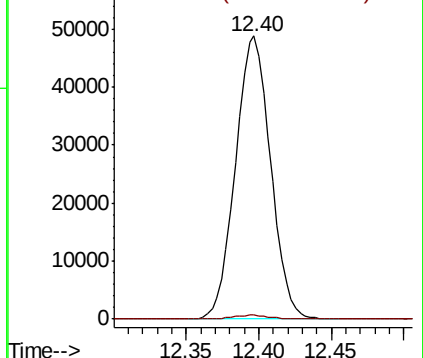
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 66.062 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060850.D

Acq: 6 Apr 2020 14:50

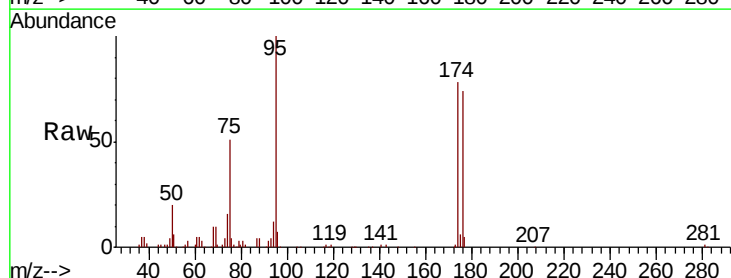
Tgt Ion: 75 Resp: 81935

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

