

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060974.D
 Acq On : 15 Apr 2020 20:01
 Operator : JC/MD
 Sample : PB128198TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 06:37:52 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	139899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	239378	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	229665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	102922	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	94372	49.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.28%	
35) Dibromofluoromethane	7.56	113	72186	49.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.74%	
50) Toluene-d8	10.08	98	300805	50.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.40	95	114567	52.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.74%	

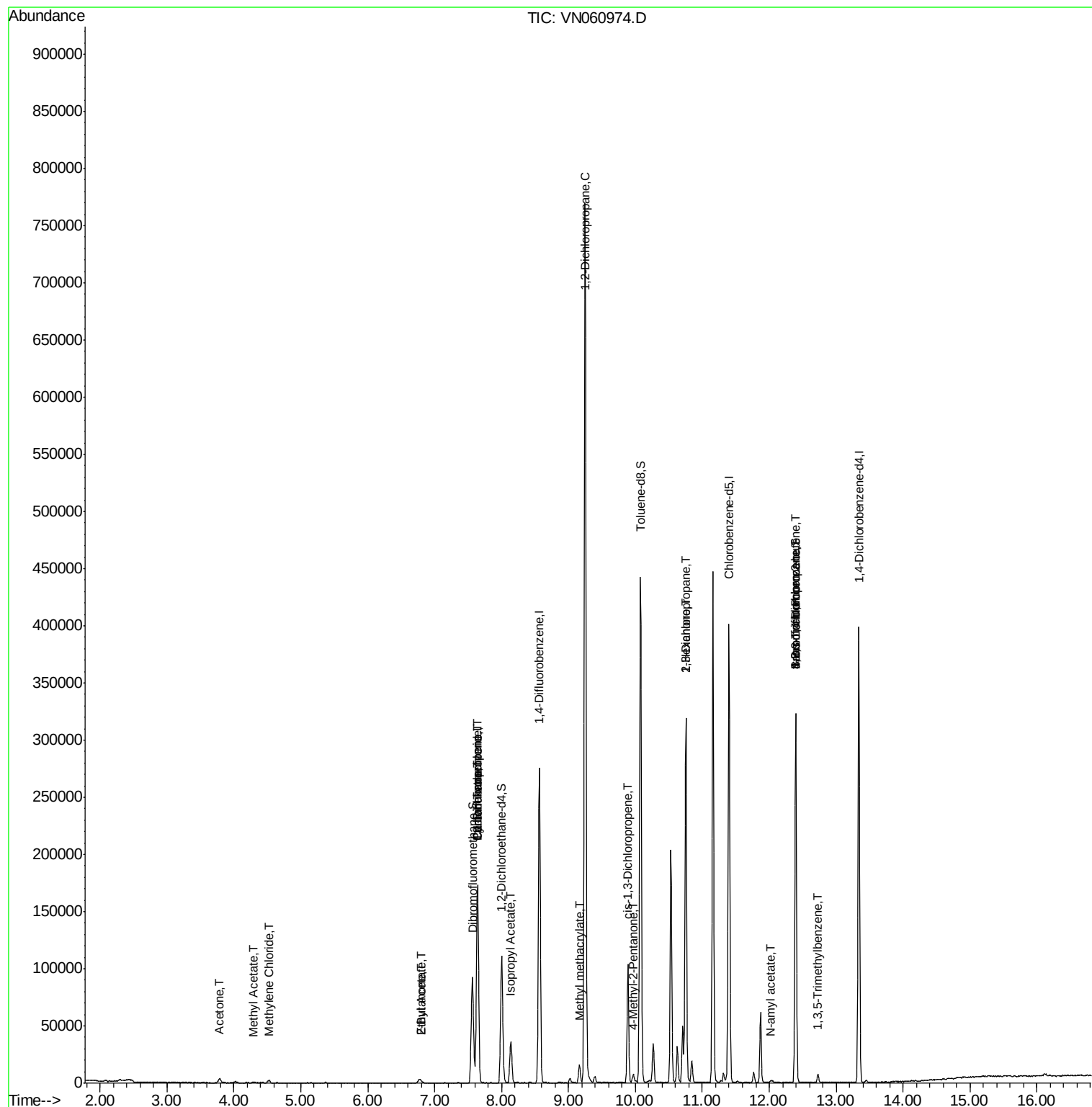
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	7138	10.493	ug/l	99
18) Methyl Acetate	4.29	43	1655	0.864	ug/l #	54
20) Methylene Chloride	4.52	84	1746	1.043	ug/l	97
25) 2-Butanone	6.80	43	2018	1.833	ug/l #	50
31) Cyclohexane	7.64	56	3047	0.985	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11384	4.911	ug/l #	48
37) Ethyl Acetate	6.80	43	2018	0.806	ug/l #	70
38) Carbon Tetrachloride	7.64	117	13457	6.478	ug/l #	16
43) Isopropyl Acetate	8.14	43	44319	10.730	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	892	0.483	ug/l #	43
48) Methyl methacrylate	9.16	41	2244	1.220	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4518	1.922	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	17909	6.127	ug/l #	62
57) 1,3-Dichloropropane	10.75	76	3111	1.103	ug/l #	42
59) 2-Hexanone	10.75	43	46784	27.631	ug/l #	51
71) Bromoform	12.39	173	364	1.937	ug/l #	1
74) N-amyl acetate	12.02	43	2840	0.796	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	57100	25.711	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4862	0.742	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	57100	66.033	ug/l #	13

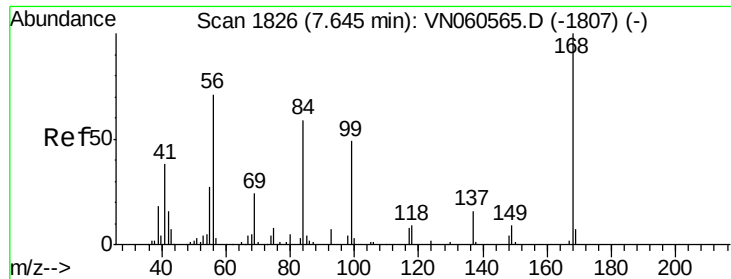
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060974.D

Acq: 15 Apr 2020 20:01

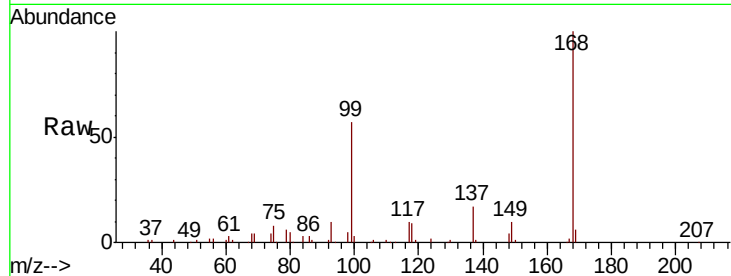
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 139899

Ion Ratio Lower Upper

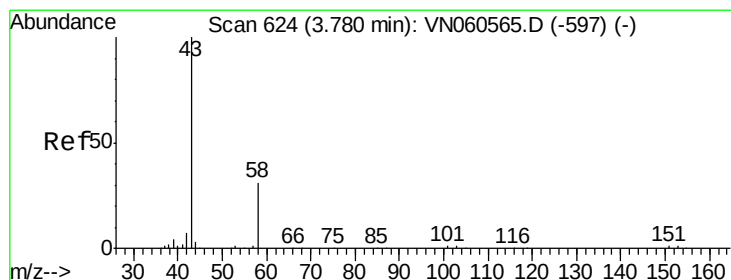
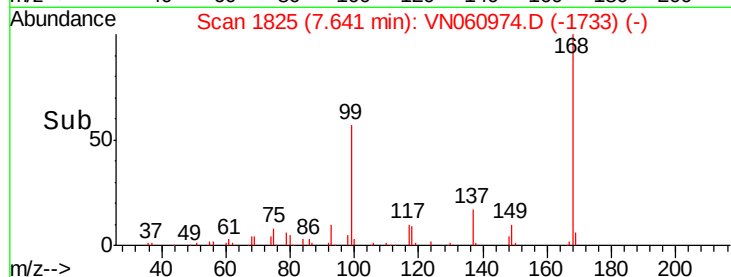
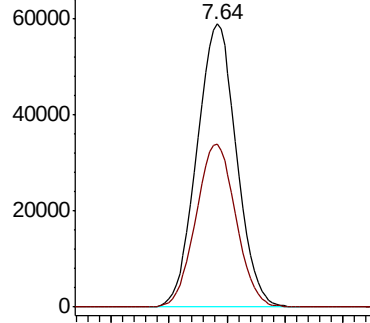
168 100

99 57.4 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: 10.493 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060974.D

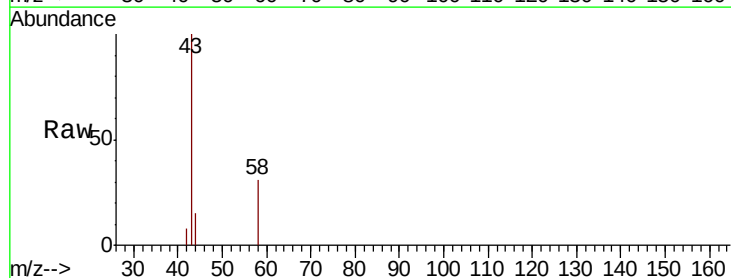
Acq: 15 Apr 2020 20:01

Tgt Ion: 43 Resp: 7138

Ion Ratio Lower Upper

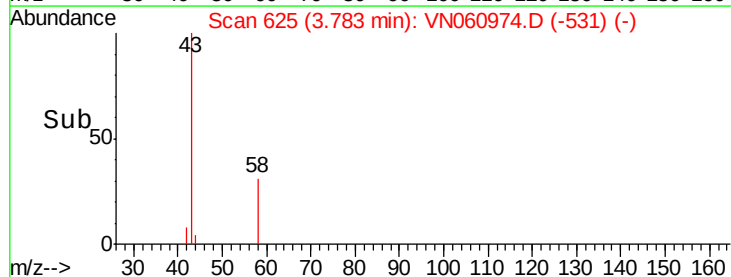
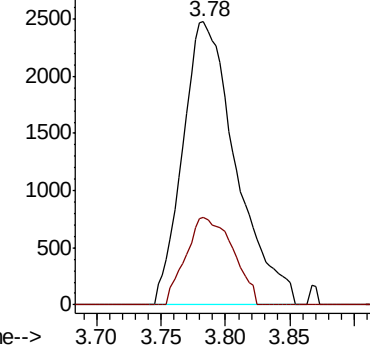
43 100

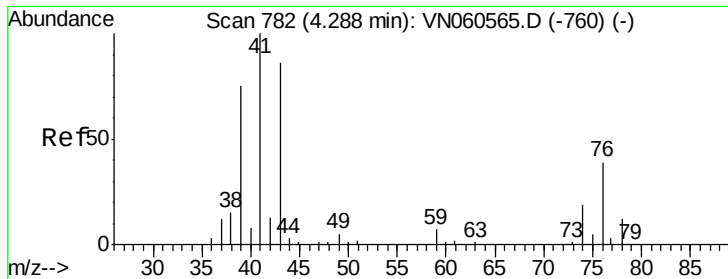
58 31.1 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

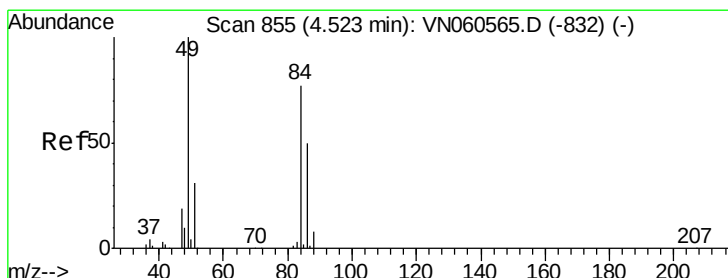
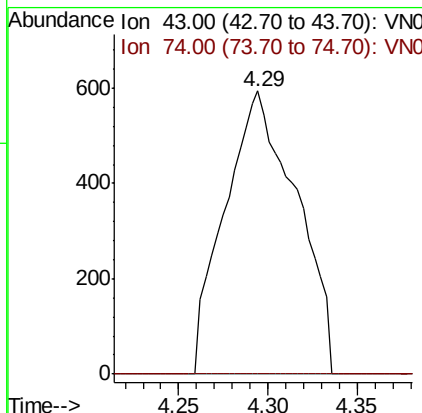
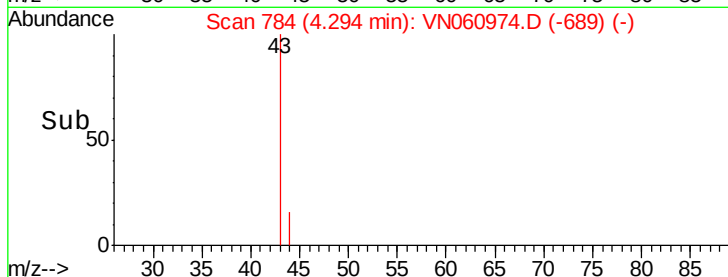
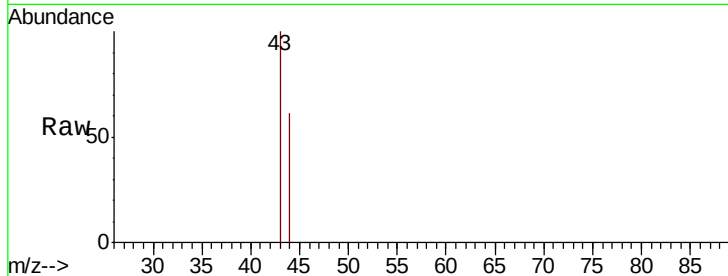




#18
Methyl Acetate
Concen: 0.864 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060974.D
Acq: 15 Apr 2020 20:01

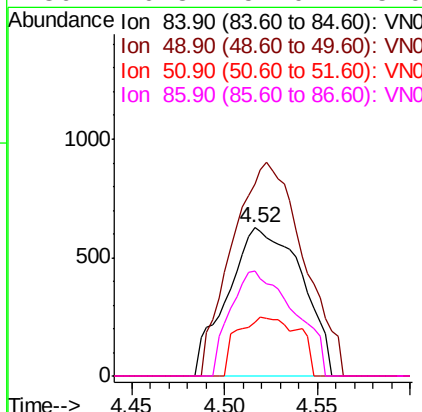
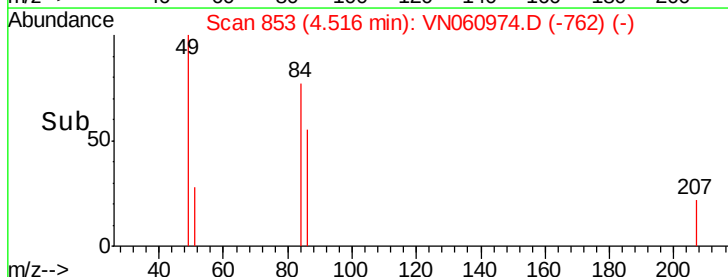
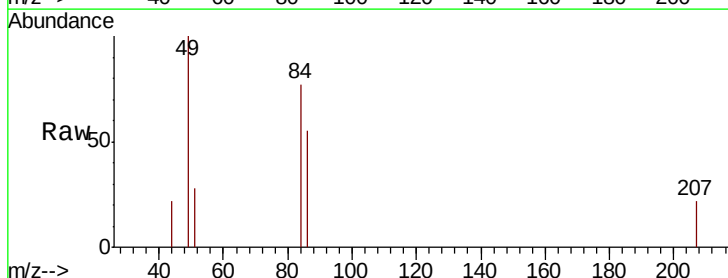
Instrument :
MSVOA_N
ClientSampleId :

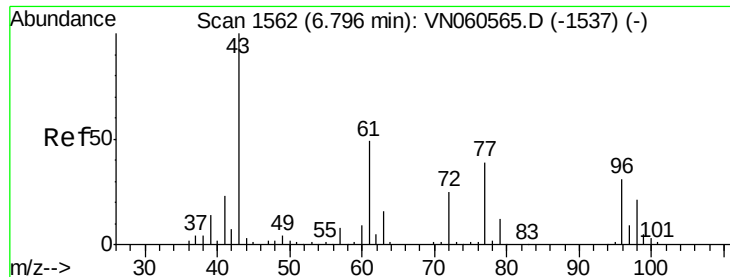
Tot Ion: 43 Resp: 1655
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.043 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060974.D
Acq: 15 Apr 2020 20:01

Tgt Ion: 84 Resp: 1746
Ion Ratio Lower Upper
84 100
49 129.7 103.3 154.9
51 36.3 31.6 47.4
86 70.8 52.0 78.0





#25

2-Butanone

Concen: 1.833 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN060974.D

Acq: 15 Apr 2020 20:01

Instrument :

MSVOA_N

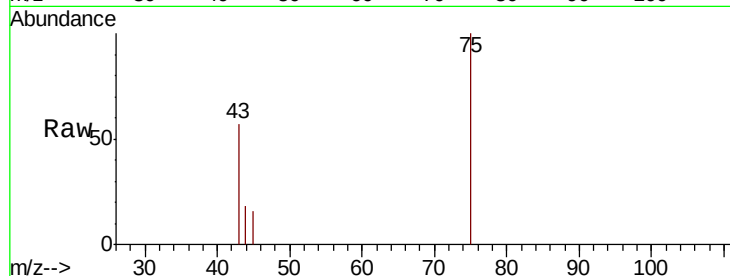
ClientSampleId :

Tot Ion: 43 Resp: 2018

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

600

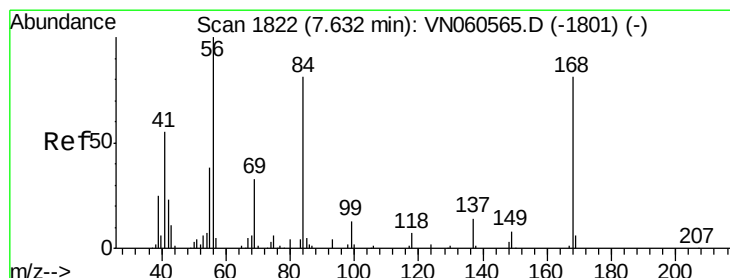
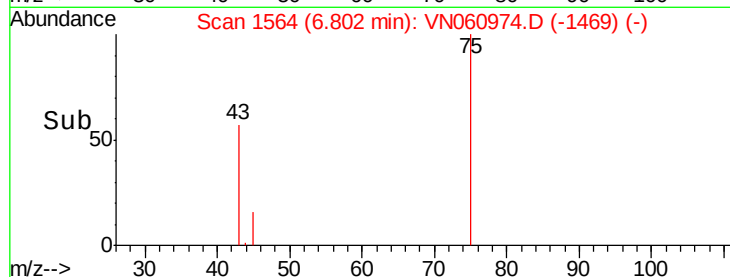
400

200

0

6.75 6.80 6.85

Time-->



#31

Cyclohexane

Concen: 0.985 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060974.D

Acq: 15 Apr 2020 20:01

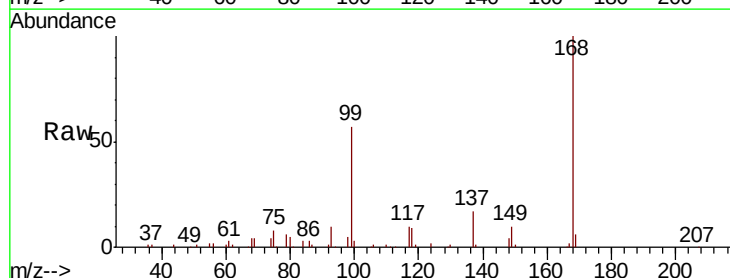
Tgt Ion: 56 Resp: 3047

Ion Ratio Lower Upper

56 100

69 176.1 26.6 40.0#

84 141.1 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

3000

2500

2000

1500

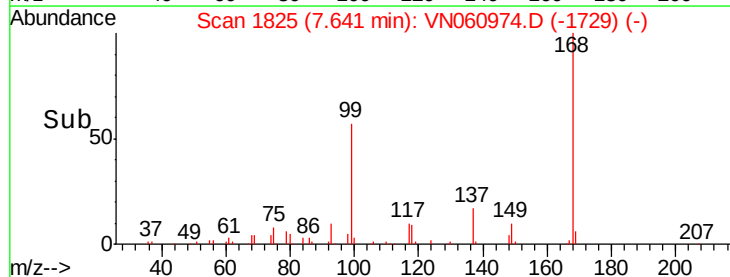
1000

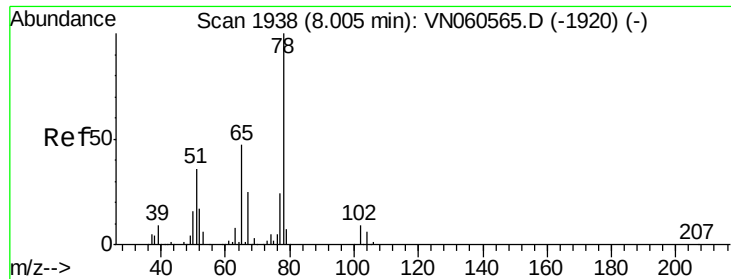
500

0

7.60 7.65 7.70

Time-->

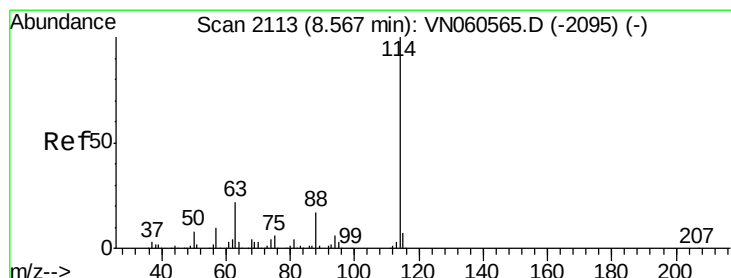
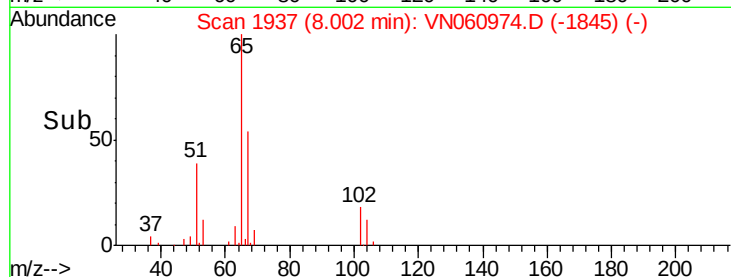
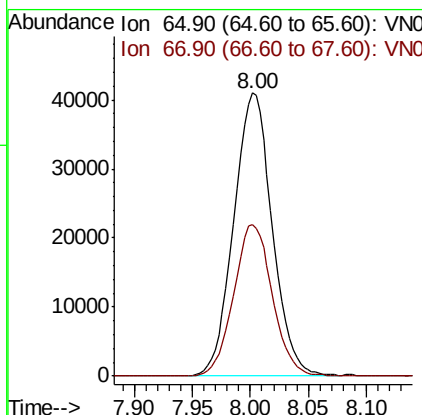
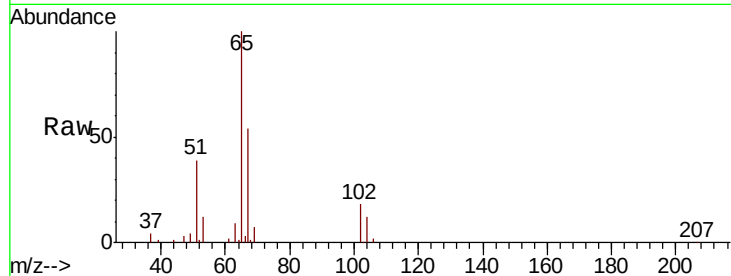




#33
 1,2-Dichloroethane-d4
 Concen: 49.139 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060974.D
 Acq: 15 Apr 2020 20:01

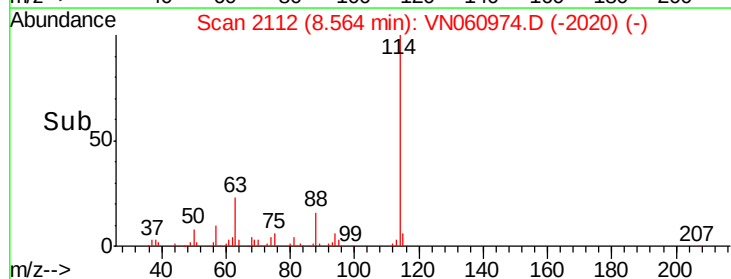
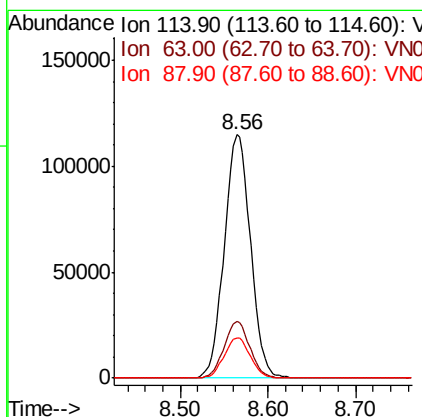
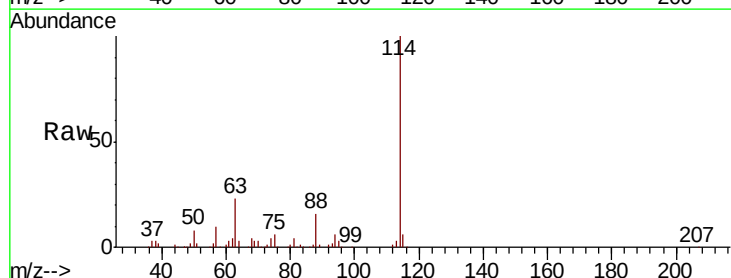
Instrument :
 MSVOA_N
 ClientSampleId :

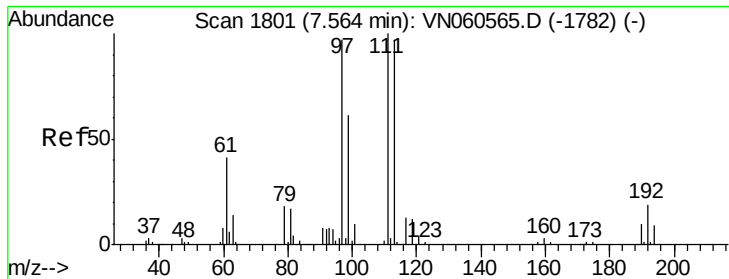
Tot Ion: 65 Resp: 94372
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060974.D
 Acq: 15 Apr 2020 20:01

Tgt Ion: 114 Resp: 239378
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 43.8
 88 16.5 0.0 33.0

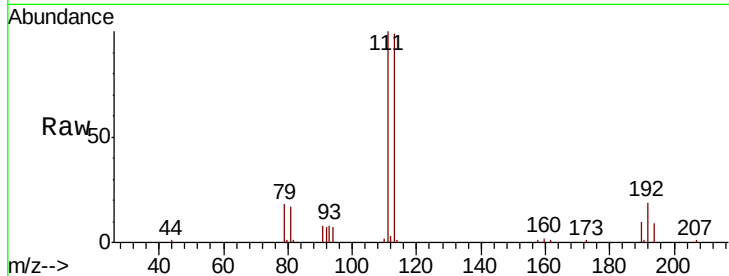




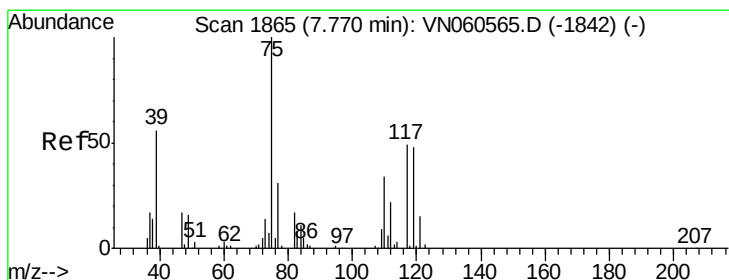
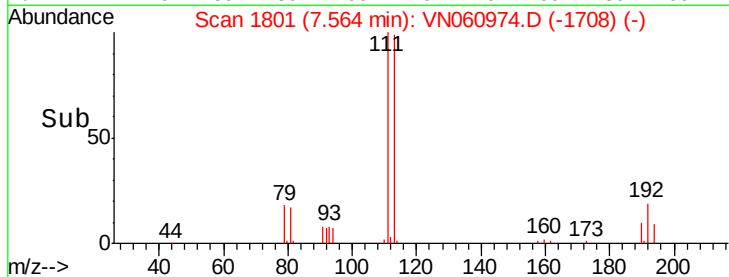
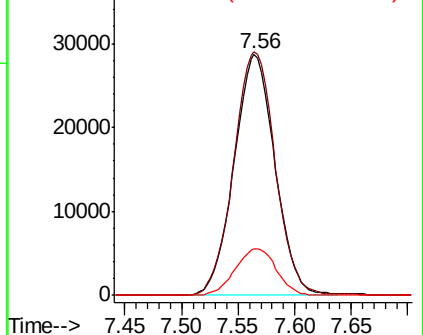
#35
 Dibromofluoromethane
 Concen: 49.871 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060974.D
 Acq: 15 Apr 2020 20:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 72186
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.9 124.3
 192 19.3 15.8 23.8

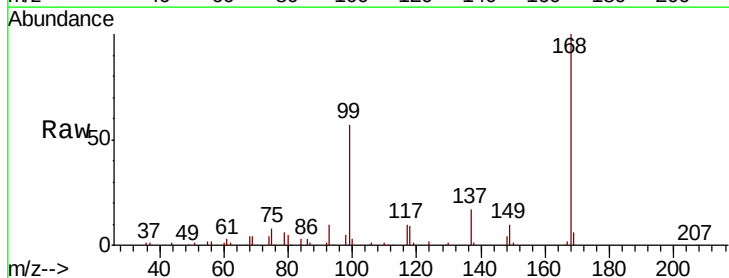


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

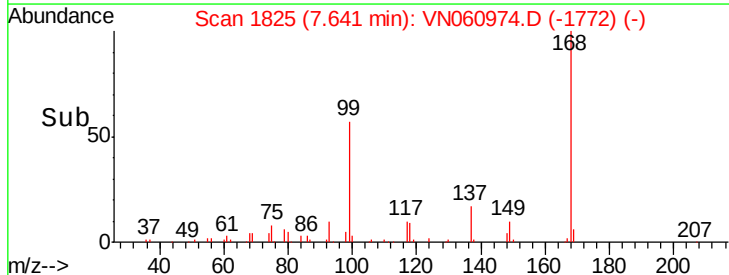
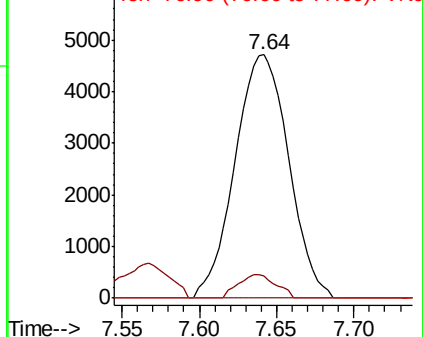


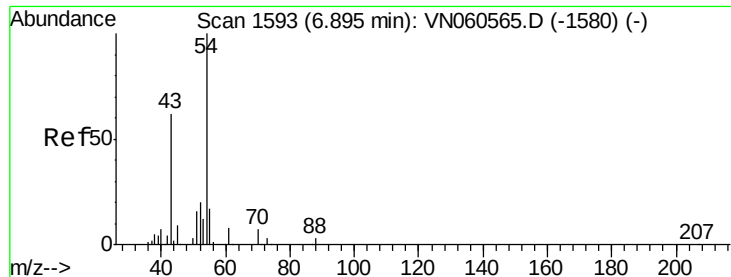
#36
 1,1-Dichloropropene
 Concen: 4.911 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060974.D
 Acq: 15 Apr 2020 20:01

Tgt Ion: 75 Resp: 11384
 Ion Ratio Lower Upper
 75 100
 110 6.7 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

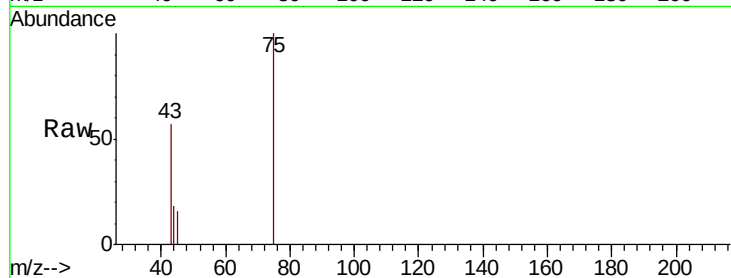




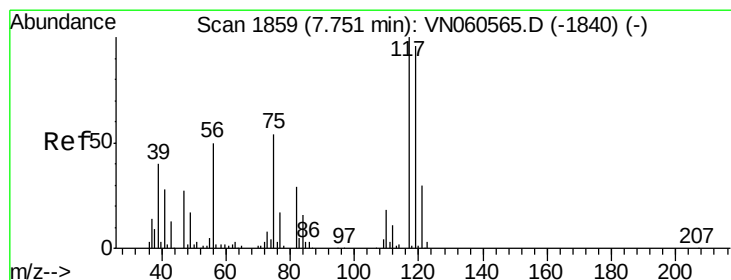
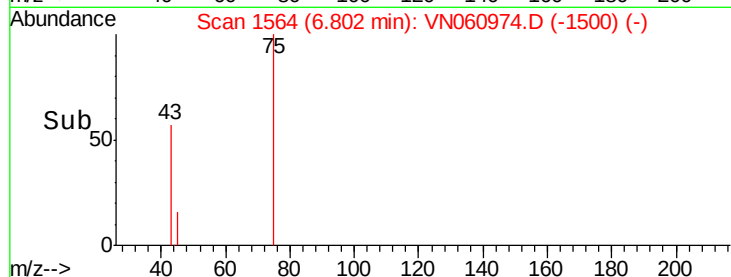
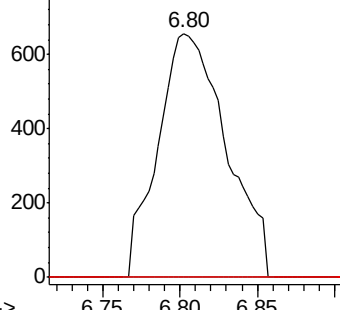
#37
Ethyl Acetate
Concen: 0.806 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.09 min
Lab File: VN060974.D
Acq: 15 Apr 2020 20:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2018
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#

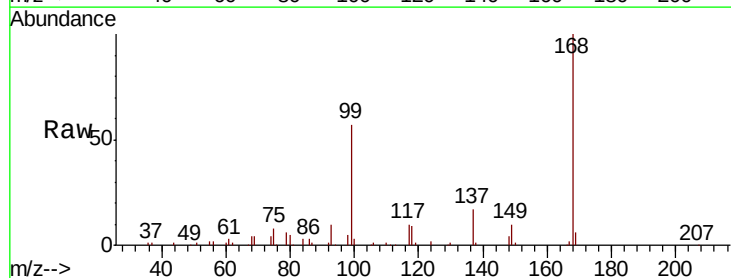


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

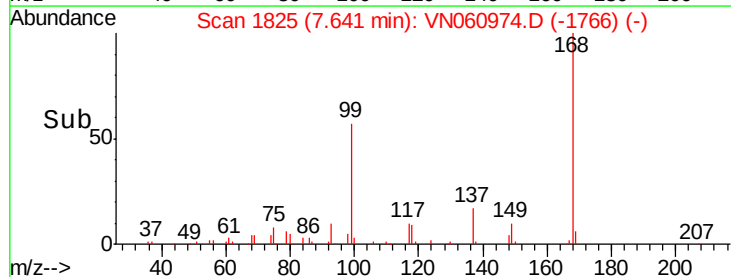
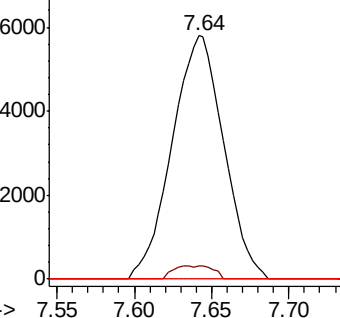


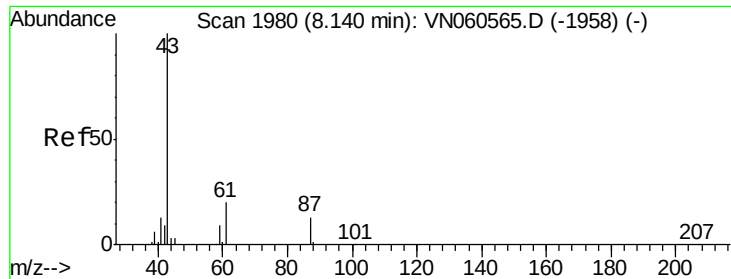
#38
Carbon Tetrachloride
Concen: 6.478 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060974.D
Acq: 15 Apr 2020 20:01

Tgt Ion: 117 Resp: 13457
Ion Ratio Lower Upper
117 100
119 5.2 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: 10.730 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060974.D

Acq: 15 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampled :

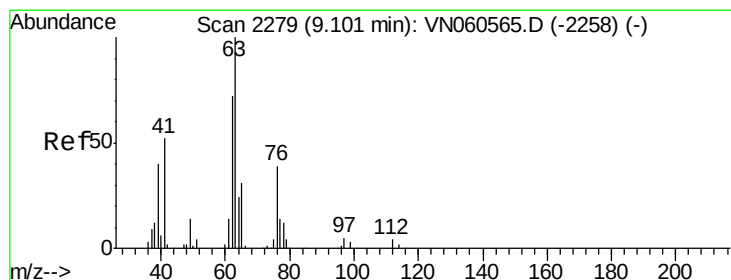
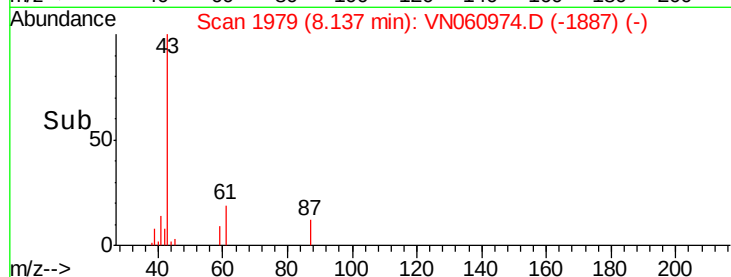
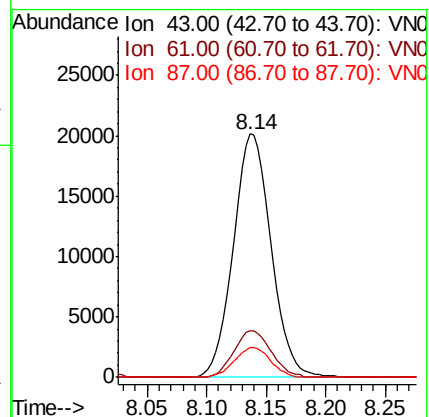
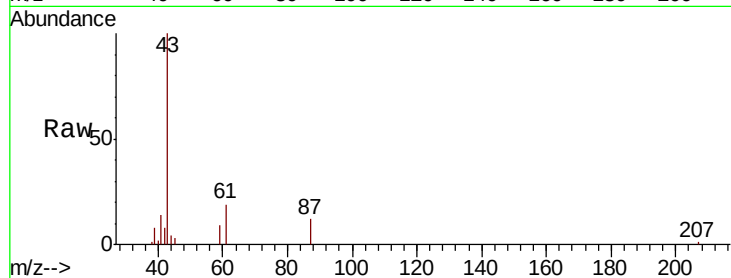
Tot Ion: 43 Resp: 44319

Ion Ratio Lower Upper

43 100

61 18.9 20.7 31.1#

87 11.8 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.483 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060974.D

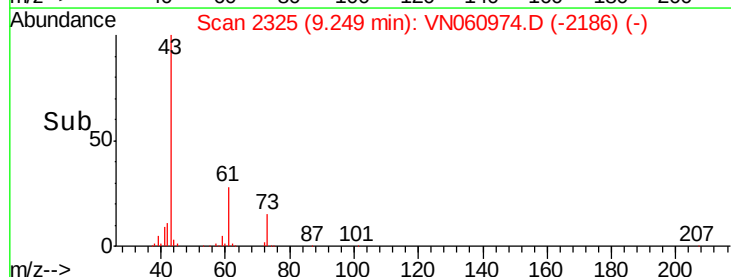
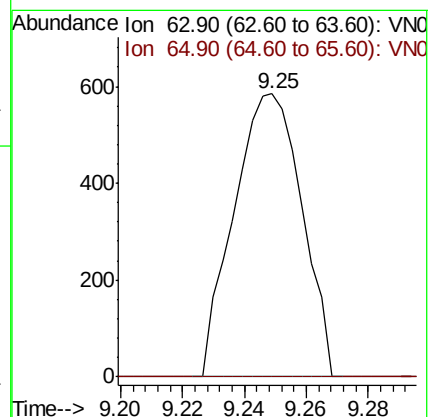
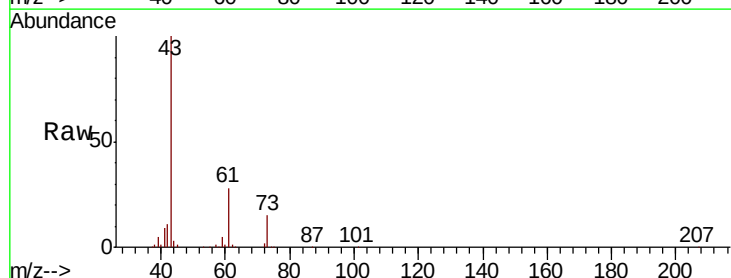
Acq: 15 Apr 2020 20:01

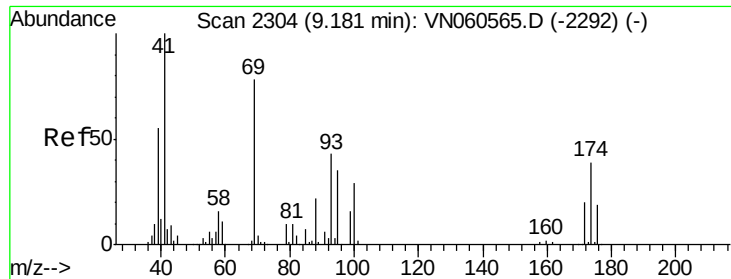
Tgt Ion: 63 Resp: 892

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

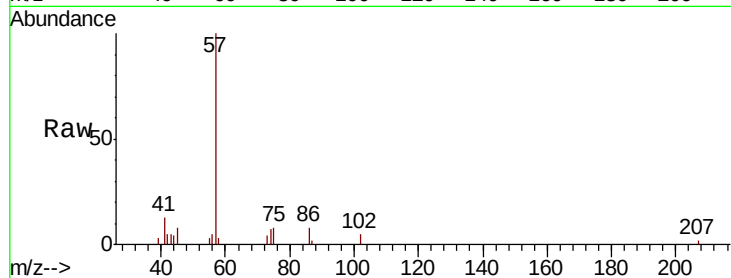




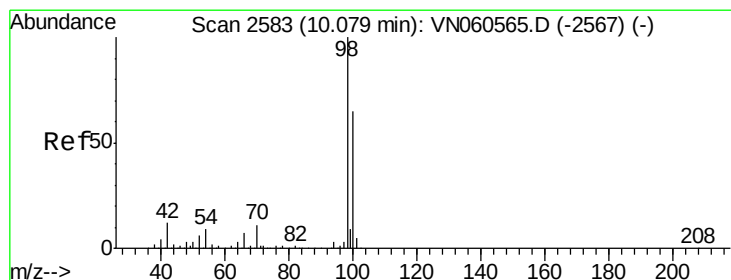
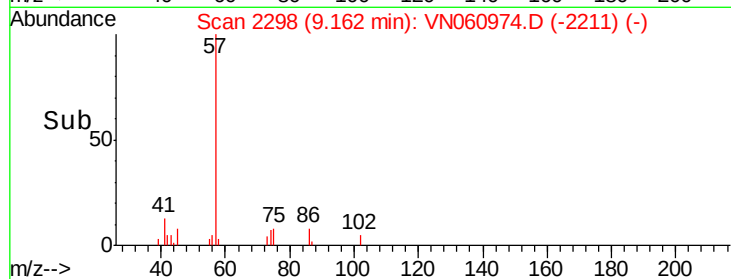
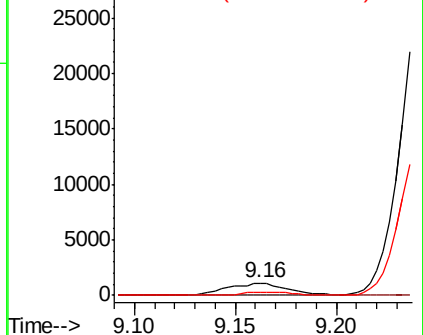
#48
Methvl methacrylate
Concen: 1.220 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060974.D
Acq: 15 Apr 2020 20:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 2244
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

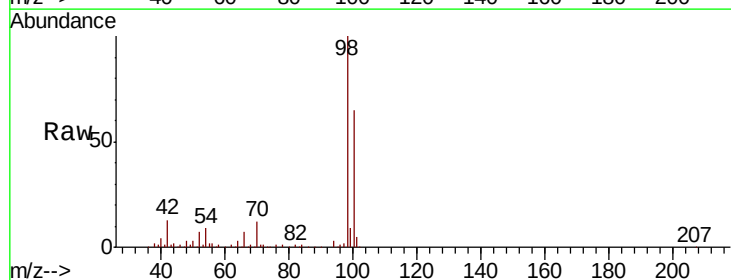


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

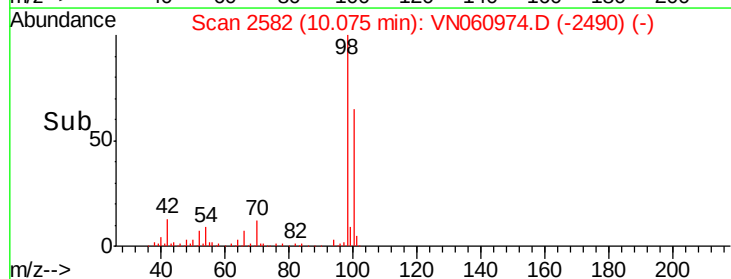
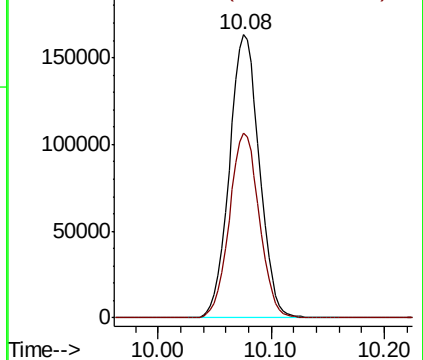


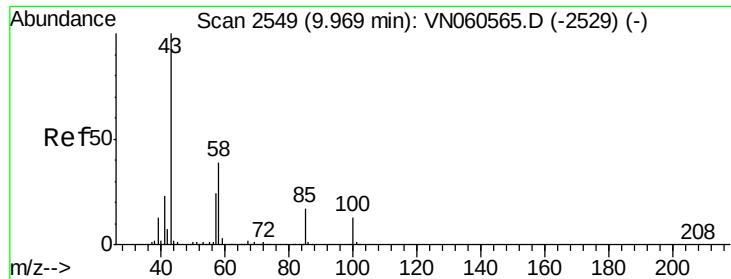
#50
Toluene-d8
Concen: 50.878 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060974.D
Acq: 15 Apr 2020 20:01

Tgt Ion: 98 Resp: 300805
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

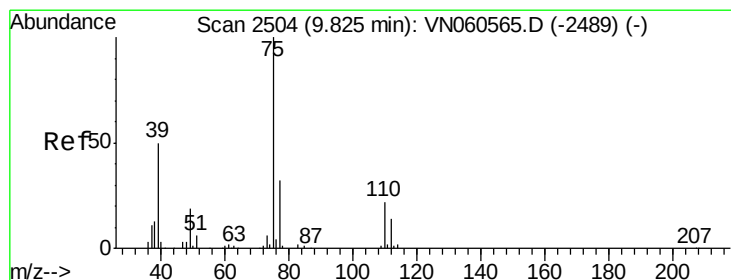
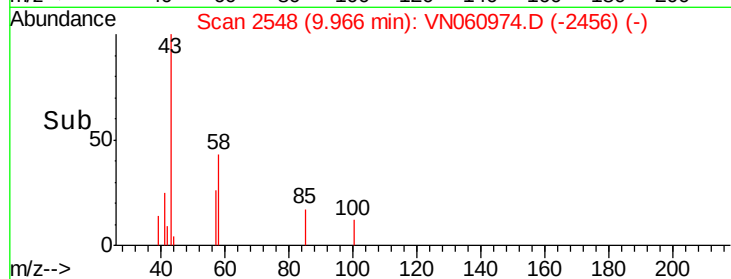
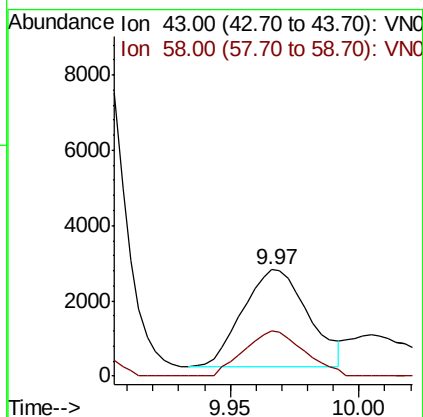
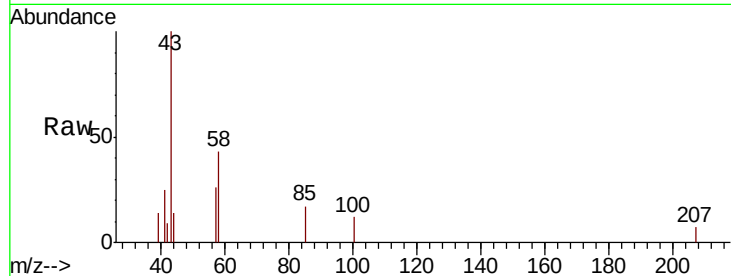




#51
 4-Methyl-2-Pentanone
 Concen: 1.922 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060974.D
 Acq: 15 Apr 2020 20:01

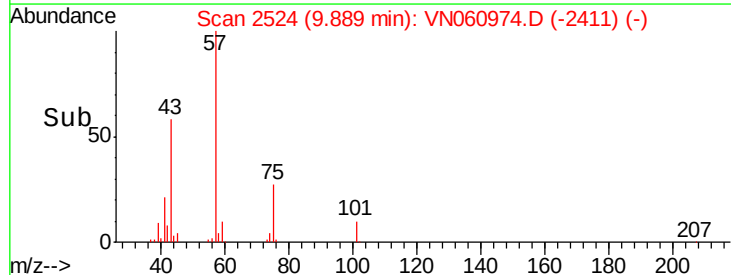
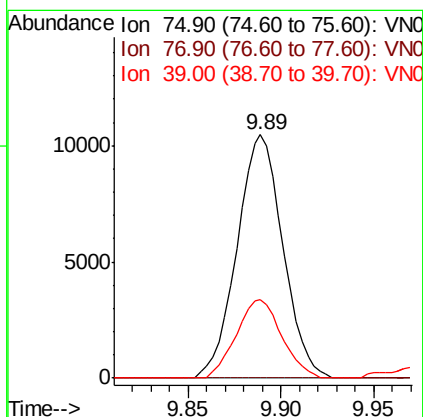
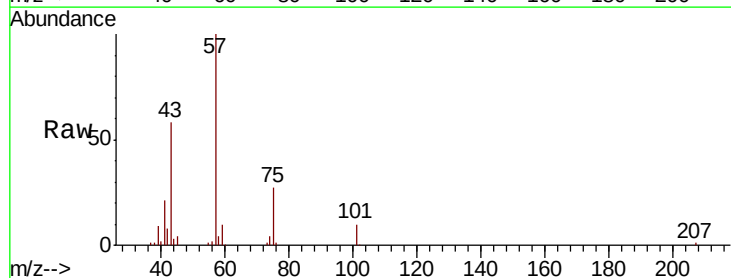
Instrument :
 MSVOA_N
 ClientSampled :

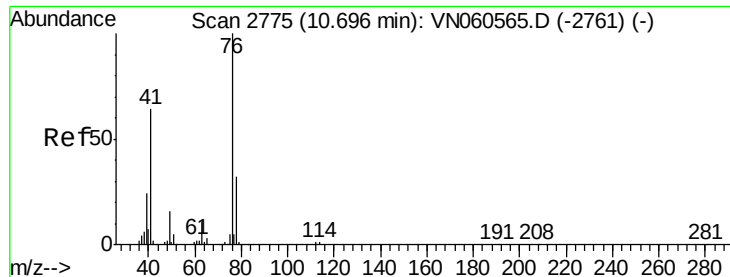
Tot Ion: 43 Resp: 4518
 Ion Ratio Lower Upper
 43 100
 58 43.2 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 6.127 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060974.D
 Acq: 15 Apr 2020 20:01

Tgt Ion: 75 Resp: 17909
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 32.5 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 1.103 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060974.D

Acq: 15 Apr 2020 20:01

Instrument :

MSVOA_N

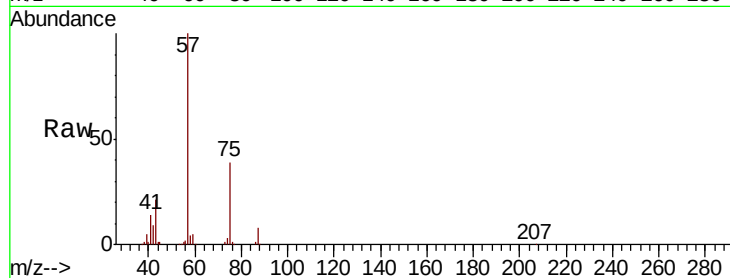
ClientSampled :

Tot Ion: 76 Resp: 3111

Ion Ratio Lower Upper

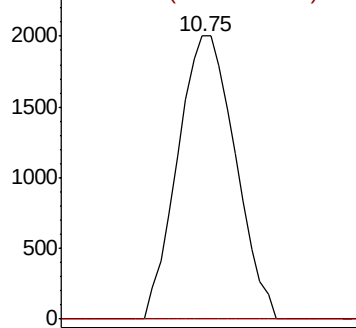
76 100

78 0.0 25.8 38.6#

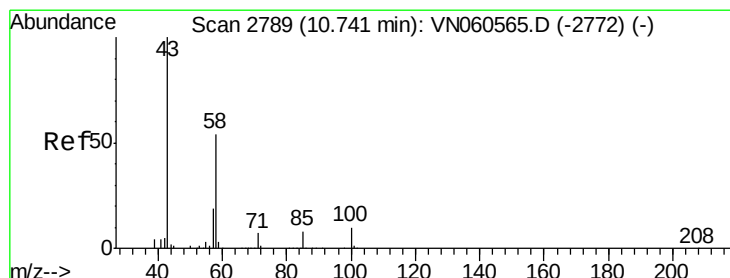
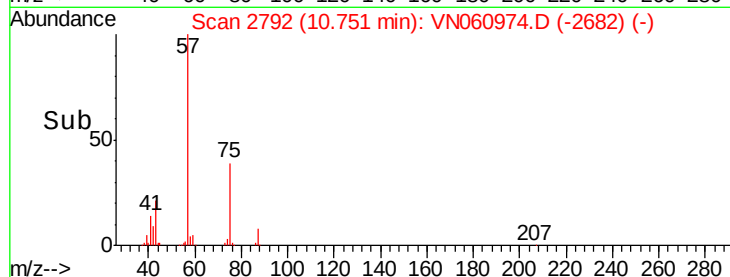


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time--> 10.70 10.75 10.80



#59

2-Hexanone

Concen: 27.631 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060974.D

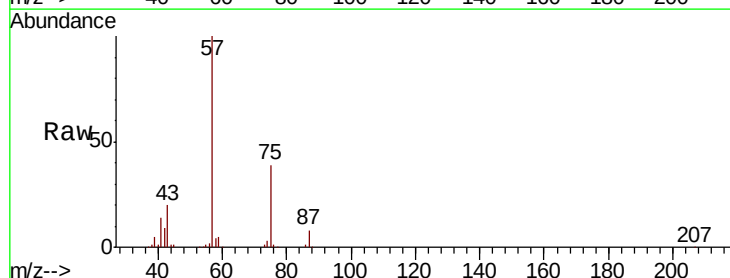
Acq: 15 Apr 2020 20:01

Tgt Ion: 43 Resp: 46784

Ion Ratio Lower Upper

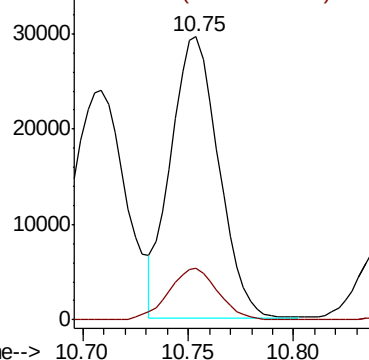
43 100

58 18.7 26.7 80.1#

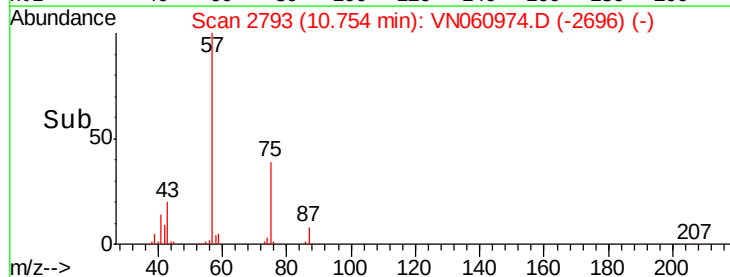


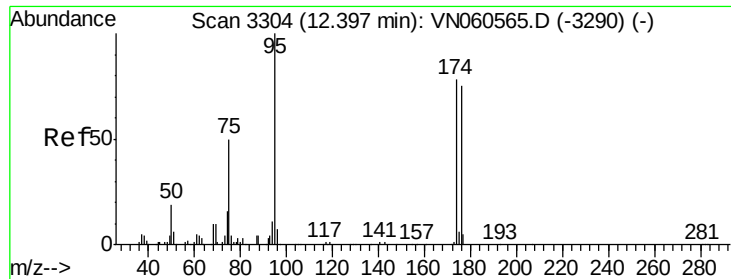
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 10.70 10.75 10.80





#62

4-Bromofluorobenzene

Concen: 52.875 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060974.D

Acq: 15 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

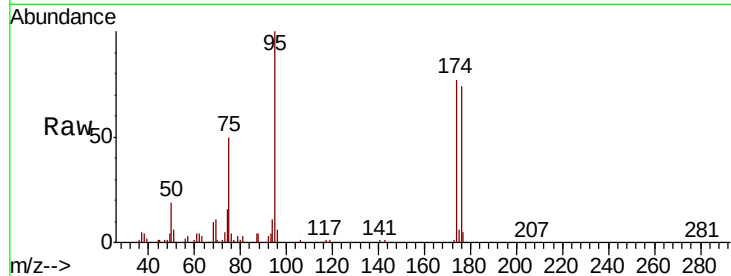
Tot Ion: 95 Resp: 114567

Ion Ratio Lower Upper

95 100

174 75.9 0.0 157.6

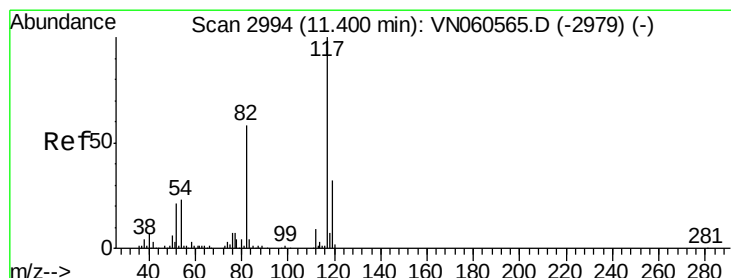
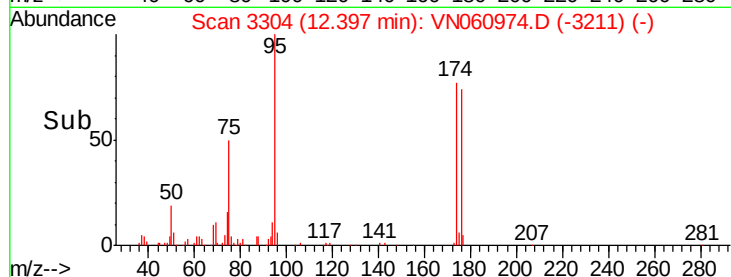
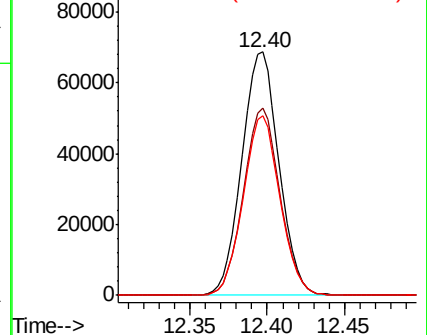
176 73.2 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060974.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060974.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060974.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060974.D

Acq: 15 Apr 2020 20:01

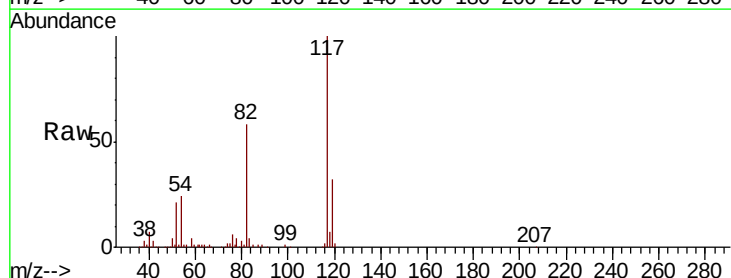
Tgt Ion: 117 Resp: 229665

Ion Ratio Lower Upper

117 100

82 58.3 46.7 70.1

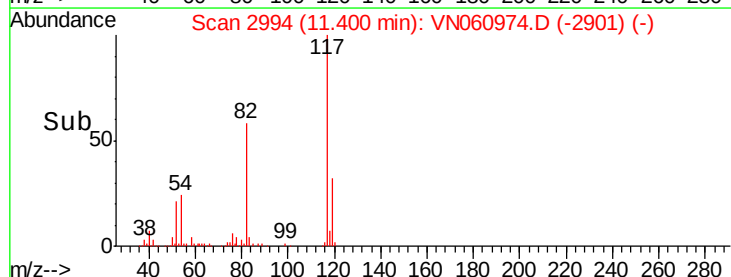
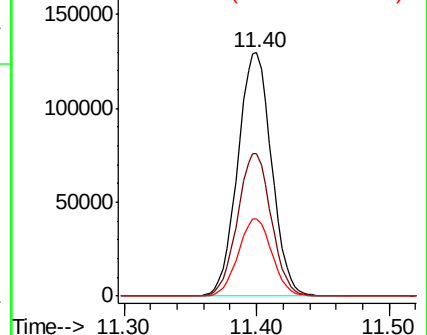
119 31.6 25.5 38.3

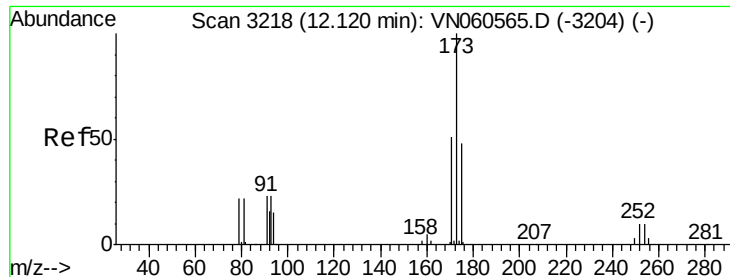


Abundance Ion 116.90 (116.60 to 117.60): VN060974.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060974.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060974.D (-2979) (-)





#71

Bromoform

Concen: 1.937 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN060974.D

Acq: 15 Apr 2020 20:01

Instrument :

MSVOA_N

ClientSampleId :

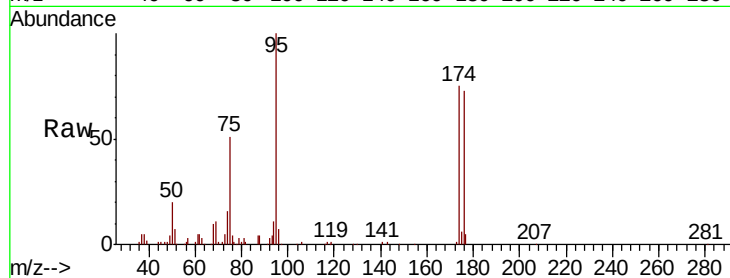
Tot Ion:173 Resp: 364

Ion Ratio Lower Upper

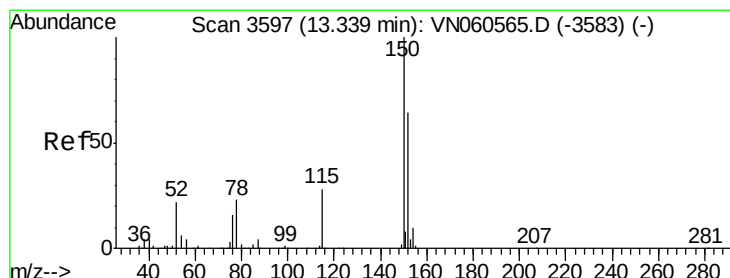
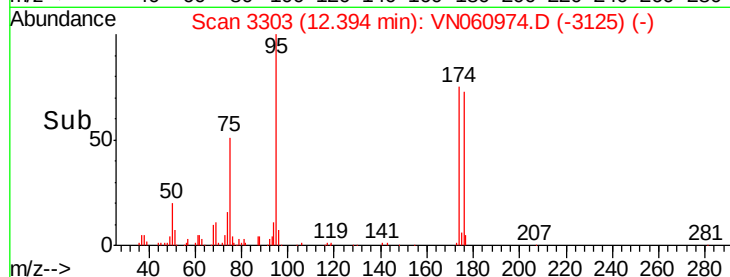
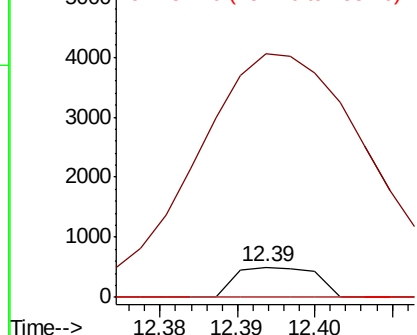
173 100

175 1567.9 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: VN060974.D

Acq: 15 Apr 2020 20:01

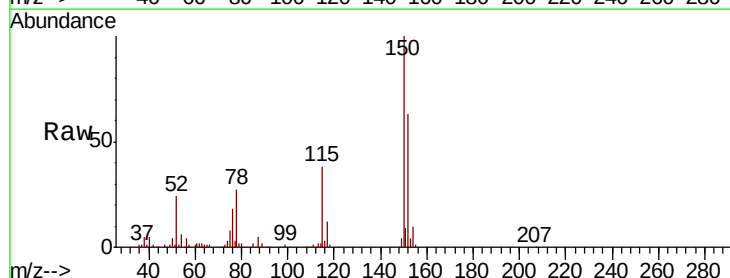
Tgt Ion:152 Resp: 102922

Ion Ratio Lower Upper

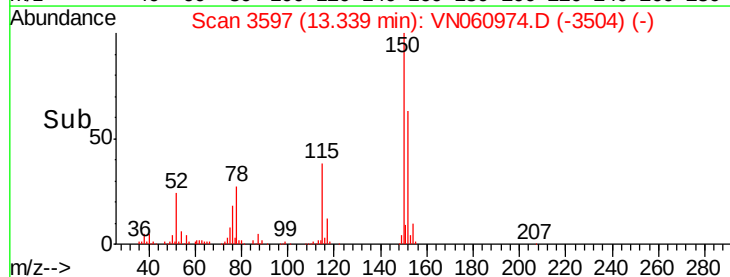
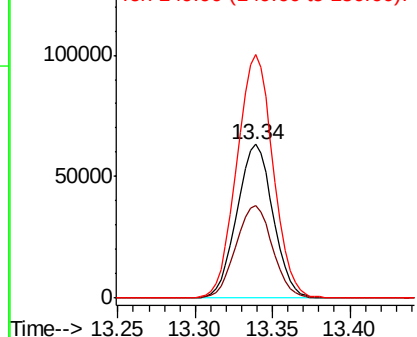
152 100

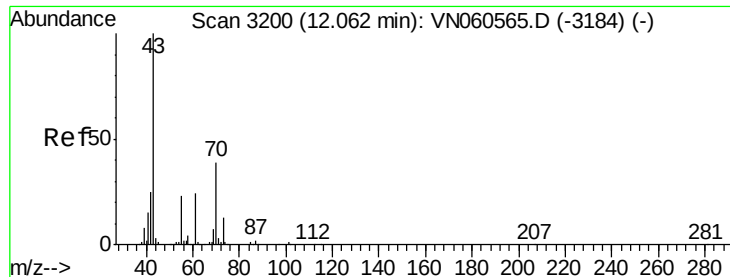
115 61.0 30.2 90.6

150 158.8 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

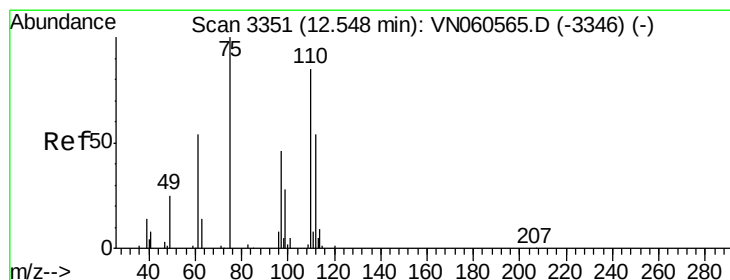
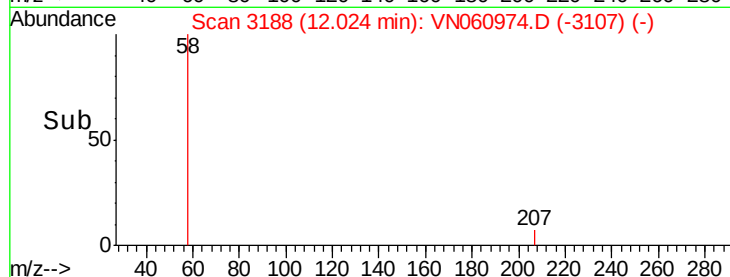
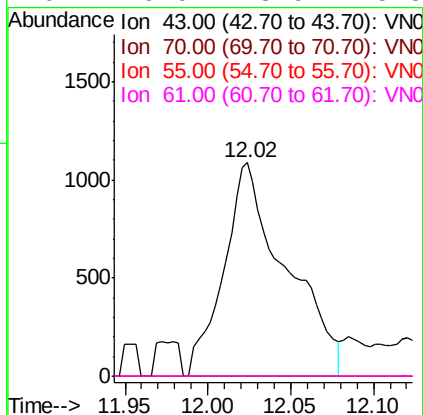
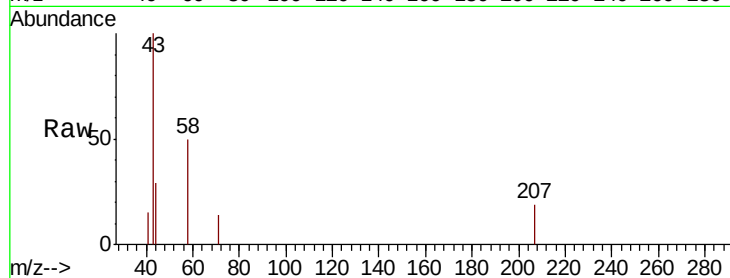




#74
N-amvl acetate
Concen: 0.796 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060974.D
Acq: 15 Apr 2020 20:01

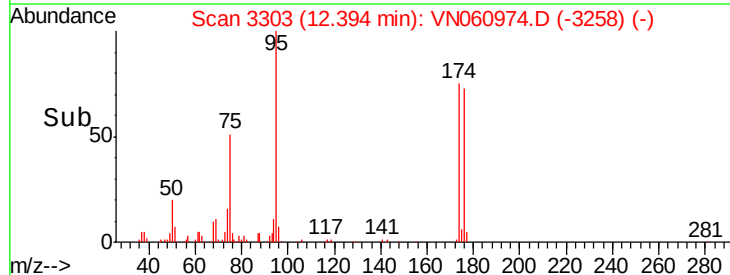
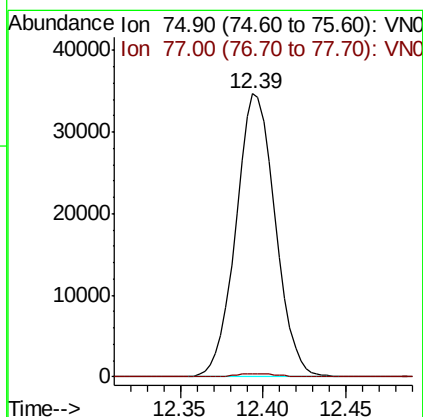
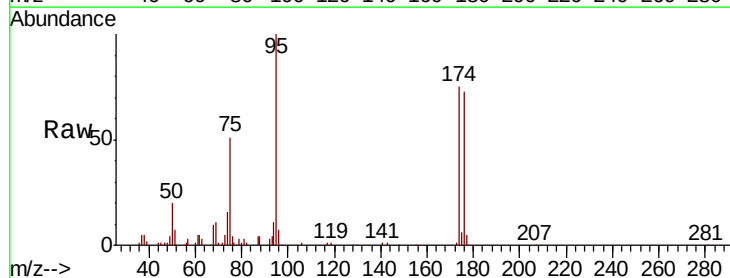
Instrument :
MSVOA_N
ClientSampleId :

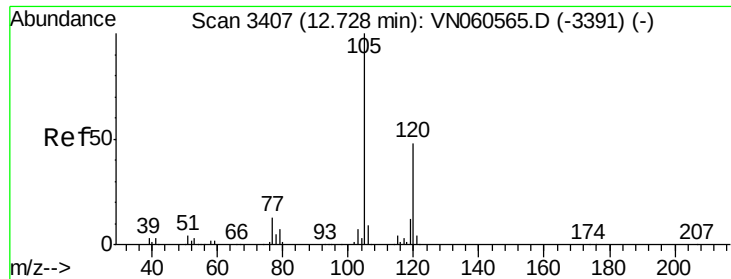
Tot Ion: 43 Resp: 2840
Ion Ratio Lower Upper
43 100
70 0.0 31.1 46.7#
55 0.0 18.6 27.8#
61 0.0 18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 25.711 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. -0.15 min
Lab File: VN060974.D
Acq: 15 Apr 2020 20:01

Tgt Ion: 75 Resp: 57100
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.742 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060974.D

Acq: 15 Apr 2020 20:01

Instrument :

MSVOA_N

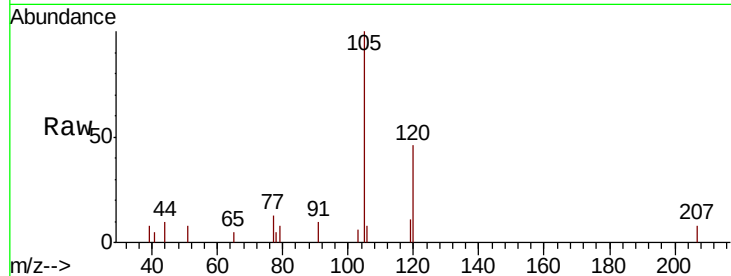
ClientSampleId :

Tot Ion:105 Resp: 4862

Ion Ratio Lower Upper

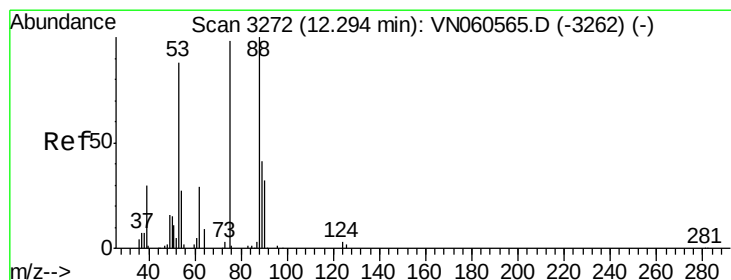
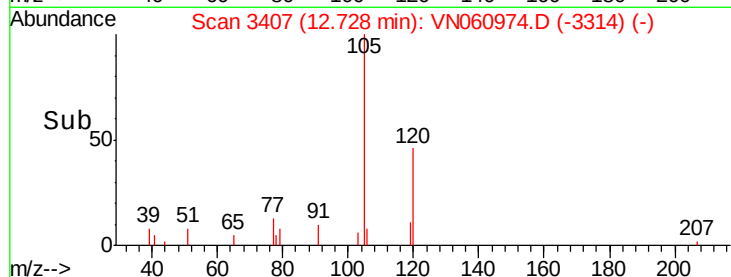
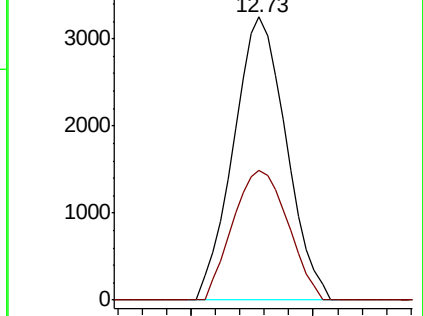
105 100

120 48.0 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 66.033 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060974.D

Acq: 15 Apr 2020 20:01

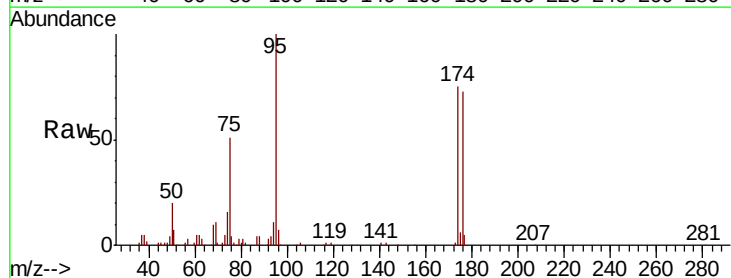
Tgt Ion: 75 Resp: 57100

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

