

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\
 Data File : VN060853.D
 Acq On : 6 Apr 2020 15:57
 Operator : JC/MD
 Sample : L2129-39
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6

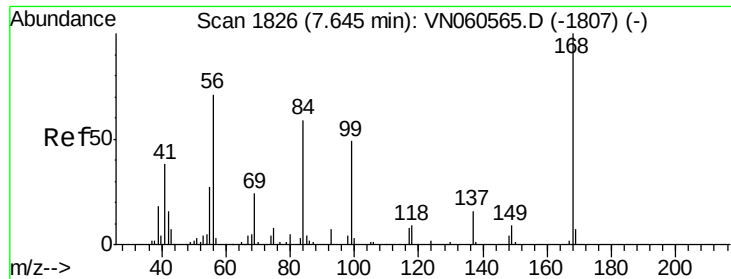
Quant Time: Apr 07 07:05:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	206770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	344425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	320914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141874	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	132448	46.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.32%	
35) Dibromofluoromethane	7.57	113	101665	48.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.64%	
50) Toluene-d8	10.08	98	425714	50.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	156881	50.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	7029	6.991	ug/l	94
18) Methyl Acetate	4.30	43	1500	0.530	ug/l #	54
20) Methylene Chloride	4.53	84	6641	2.685	ug/l	98
25) 2-Butanone	6.79	43	388	0.238	ug/l #	50
31) Cyclohexane	7.64	56	4377	0.957	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	16163	4.846	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19828	6.633	ug/l #	16
43) Isopropyl Acetate	8.14	43	55999	9.423	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1031	0.388	ug/l #	43
48) Methyl methacrylate	9.16	41	2717	1.027	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4527	1.339	ug/l	88
54) cis-1,3-Dichloropropene	9.89	75	21531	5.120	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	2698	0.665	ug/l #	42
59) 2-Hexanone	10.75	43	43199	17.732	ug/l #	52
74) N-amyl acetate	12.03	43	1551	0.315	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	78565	25.664	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	78565	65.912	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060853.D

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Instrument :

MSVOA_N

ClientSampleId :

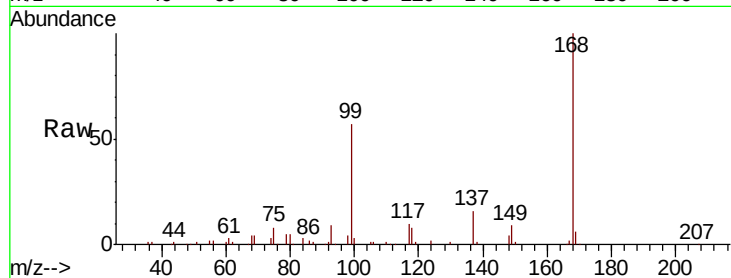
TP-6

Tot Ion:168 Resp: 206770

Ion Ratio Lower Upper

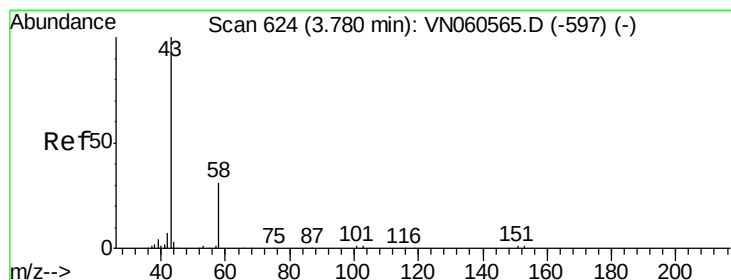
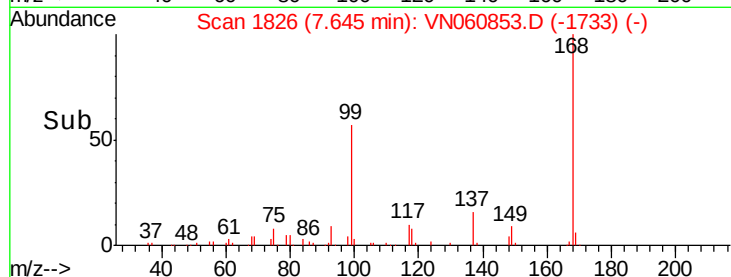
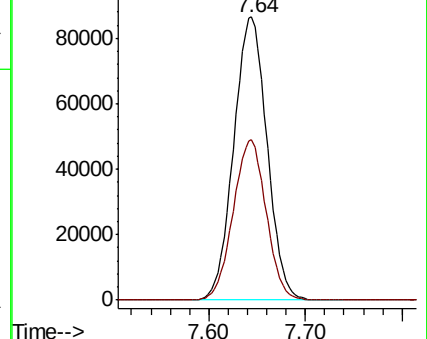
168 100

99 56.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060853.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060853.D (-1733) (-)



#16

Acetone

Concen: 6.991 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060853.D

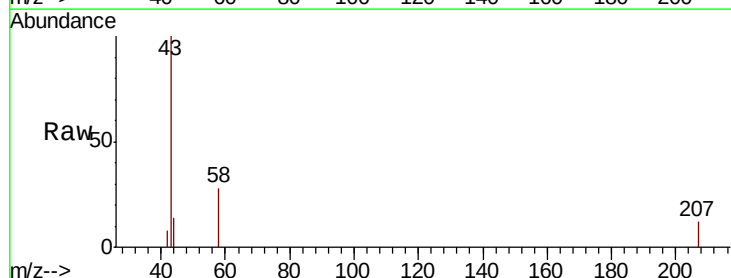
Acq: 6 Apr 2020 15:57

Tgt Ion: 43 Resp: 7029

Ion Ratio Lower Upper

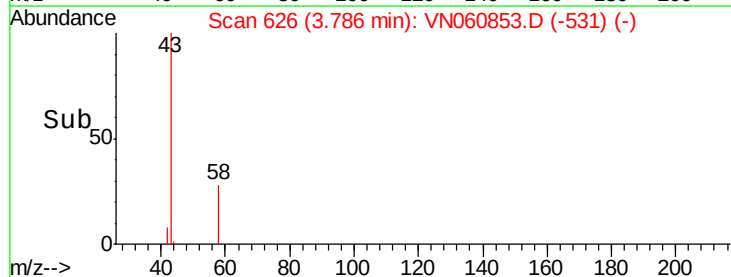
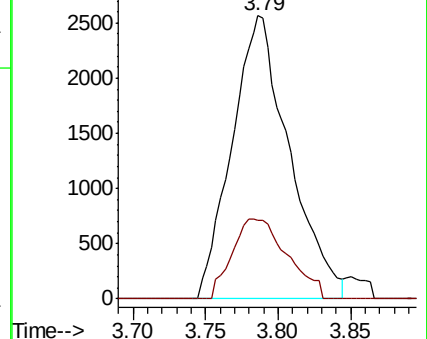
43 100

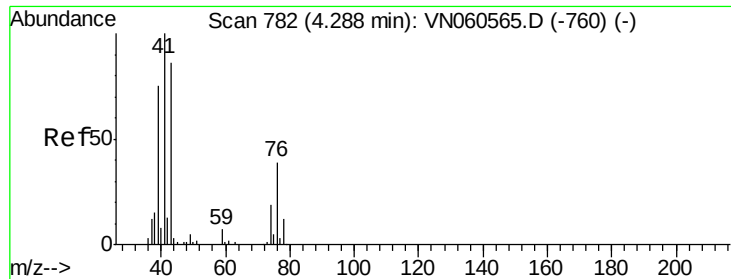
58 27.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060853.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060853.D (-531) (-)

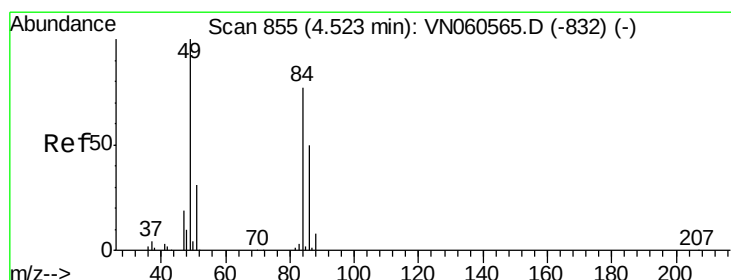
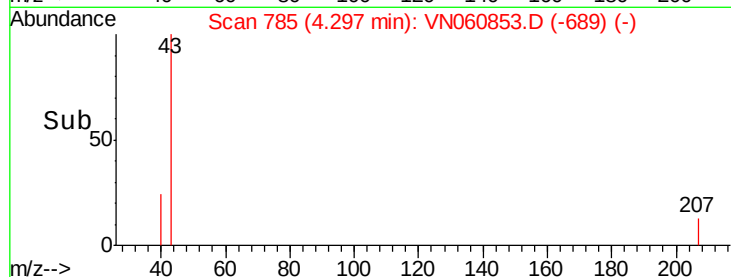
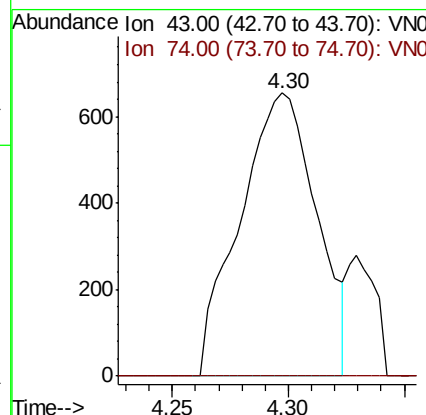
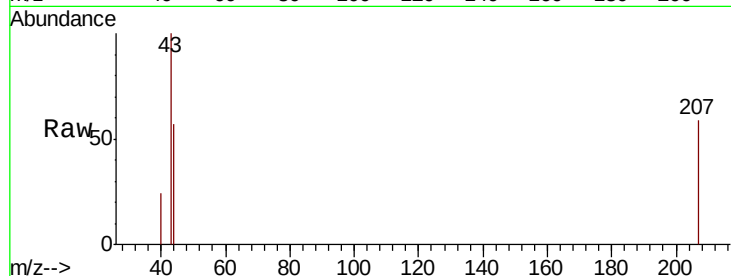




#18
Methvl Acetate
Concen: 0.530 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060853.D
Acq: 6 Apr 2020 15:57

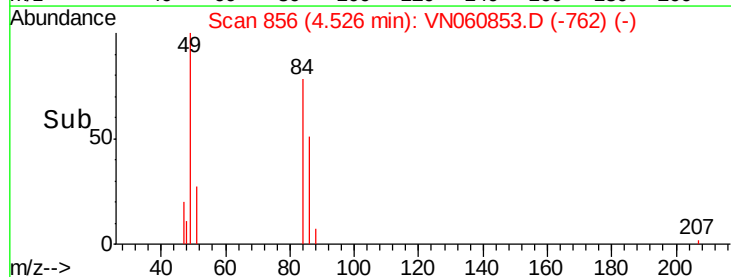
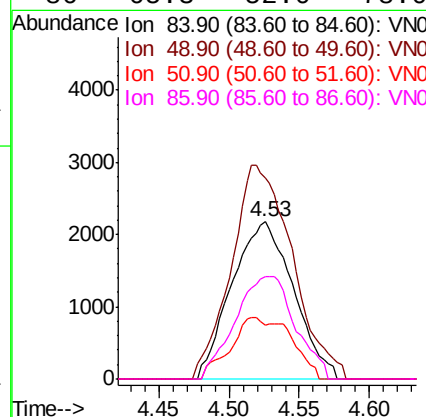
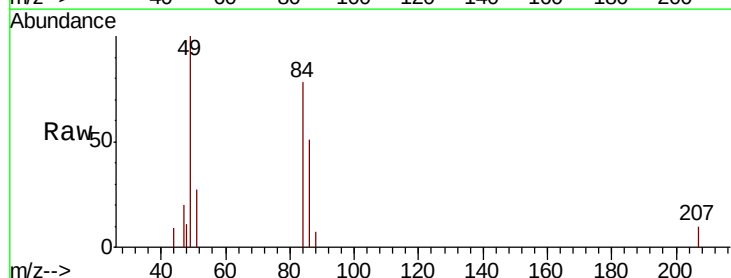
Instrument :
MSVOA_N
ClientSampled :
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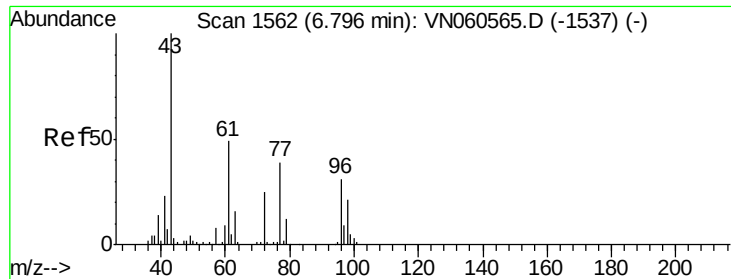
Tot Ion: 43 Resp: 1500
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 2.685 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060853.D
Acq: 6 Apr 2020 15:57

Tgt Ion: 84 Resp: 6641
Ion Ratio Lower Upper
84 100
49 127.8 103.3 154.9
51 34.3 31.6 47.4
86 65.3 52.0 78.0

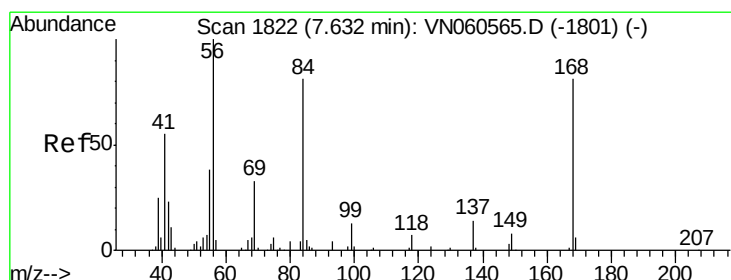
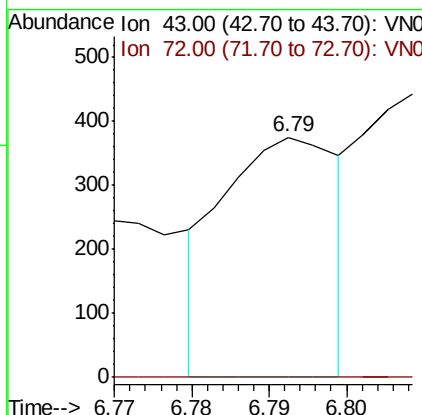
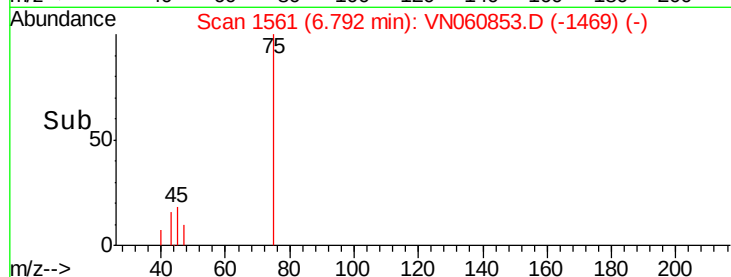
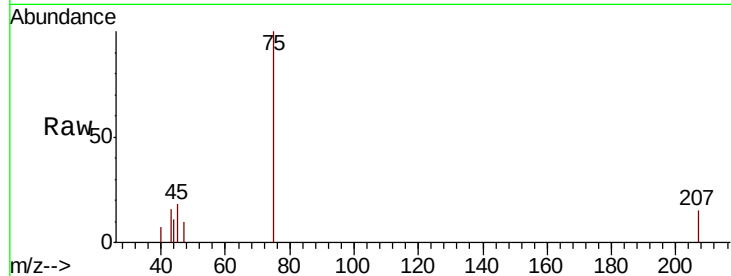




#25
2-Butanone
Concen: 0.238 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060853.D
Acq: 6 Apr 2020 15:57

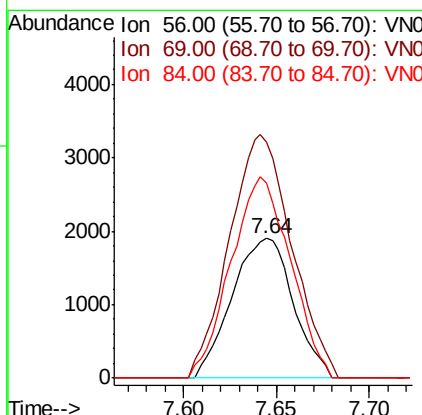
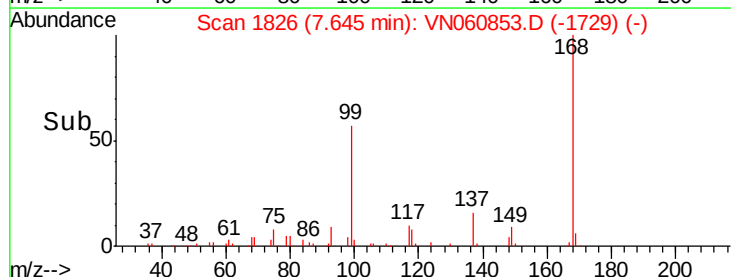
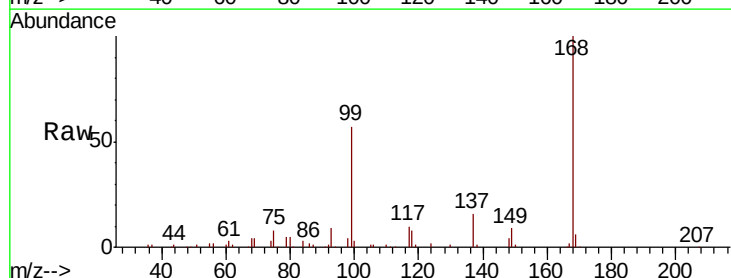
Instrument :
MSVOA_N
ClientSampled :
TP-6

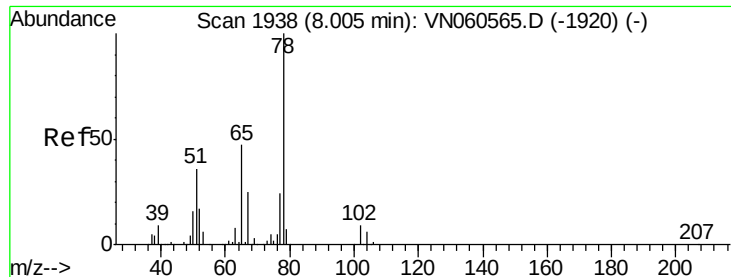
Tot Ion: 43 Resp: 388
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.957 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060853.D
Acq: 6 Apr 2020 15:57

Tgt Ion: 56 Resp: 4377
Ion Ratio Lower Upper
56 100
69 169.2 26.6 40.0#
84 139.5 64.3 96.5#

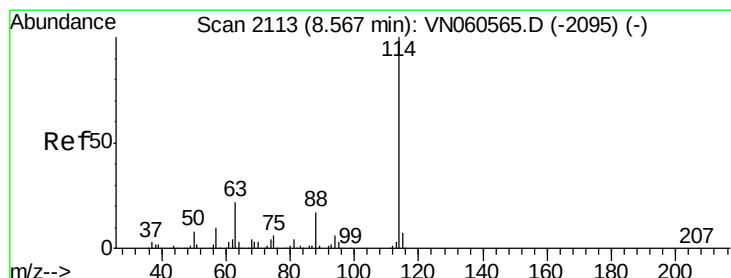
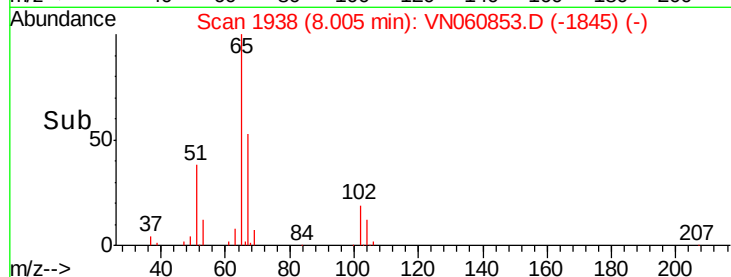
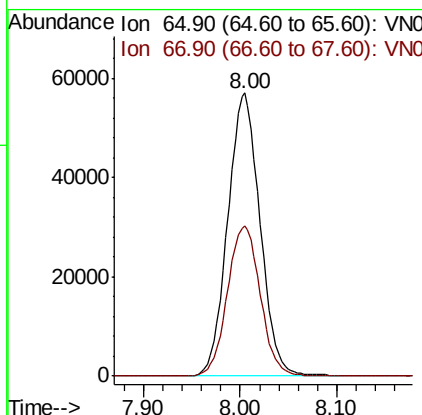
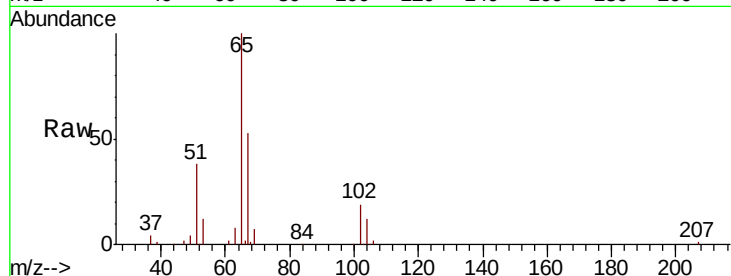




#33
 1,2-Dichloroethane-d4
 Concen: 46.662 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060853.D
 Acq: 6 Apr 2020 15:57

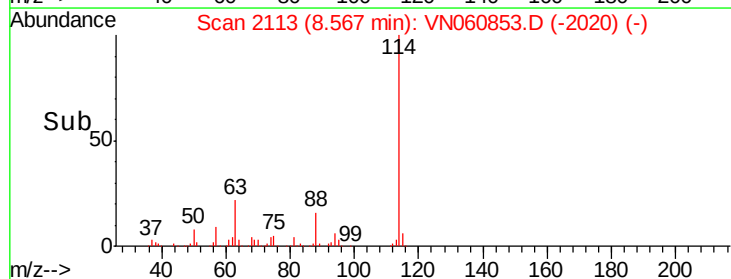
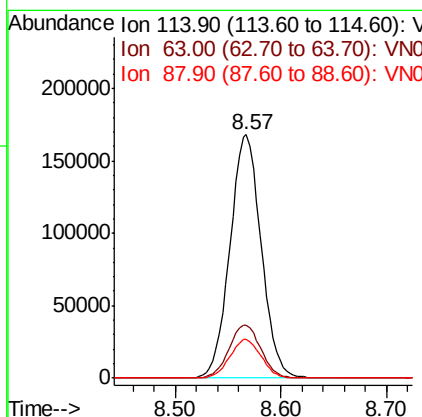
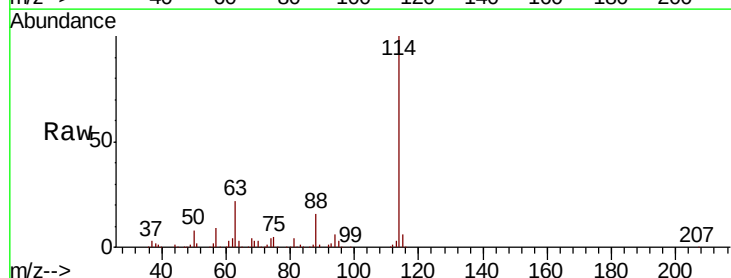
Instrument :
 MSVOA_N
 ClientSampled :
 TP-6

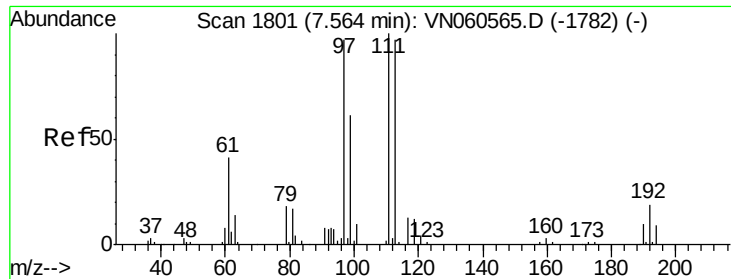
Tot Ion: 65 Resp: 132448
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060853.D
 Acq: 6 Apr 2020 15:57

Tgt Ion: 114 Resp: 344425
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.8
 88 16.0 0.0 33.0

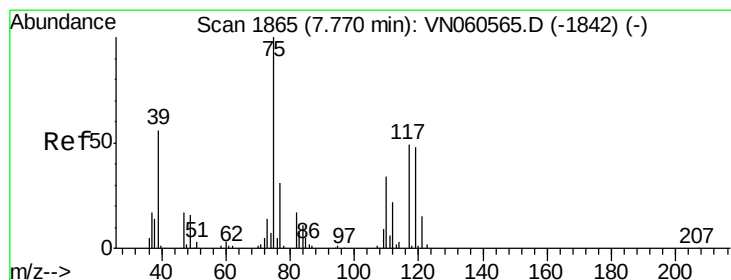
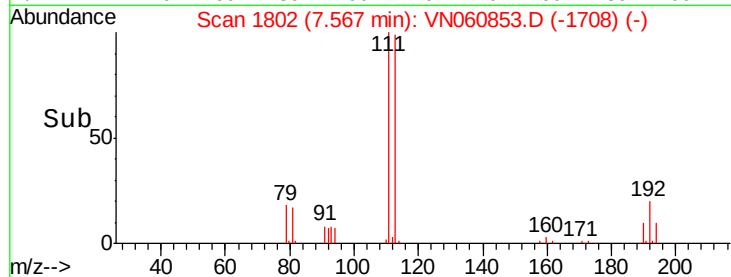
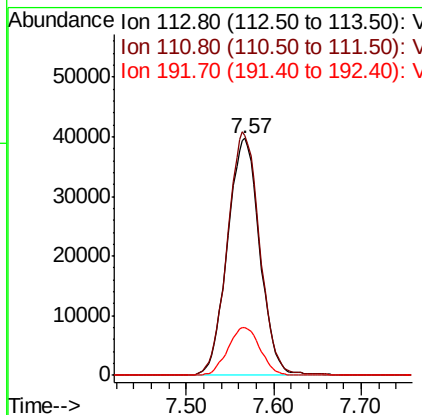
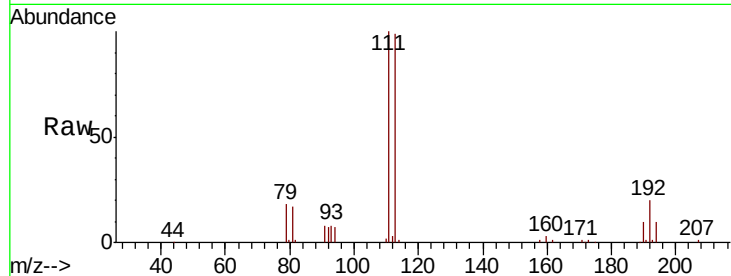




#35
 Dibromofluoromethane
 Concen: 48.816 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060853.D
 Acq: 6 Apr 2020 15:57

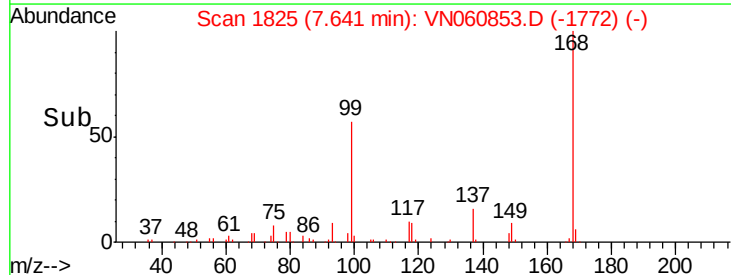
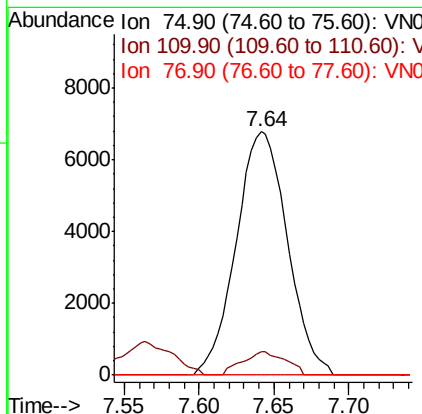
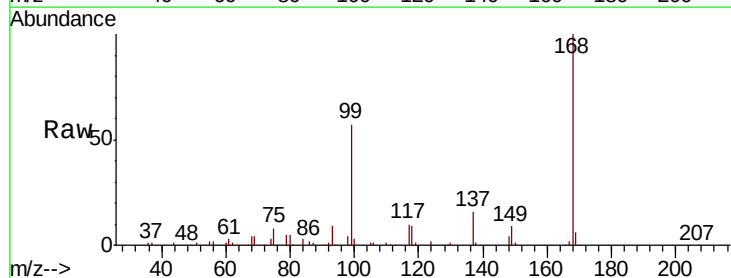
Instrument :
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 ClientSampled :
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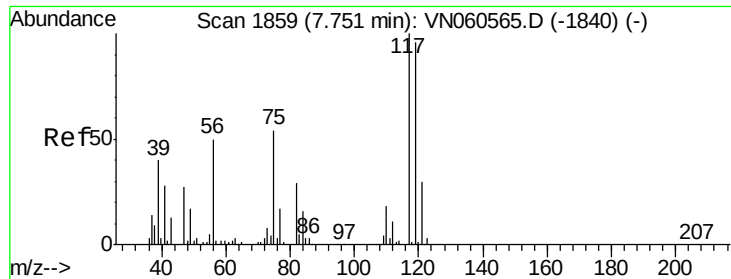
Tot Ion:113 Resp: 101665
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.9 124.3
 192 20.0 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.846 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060853.D
 Acq: 6 Apr 2020 15:57

Tgt Ion: 75 Resp: 16163
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.9 50.6#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.633 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060853.D

Acq: 6 Apr 2020 15:57

Instrument :

MSVOA_N

ClientSampleId :

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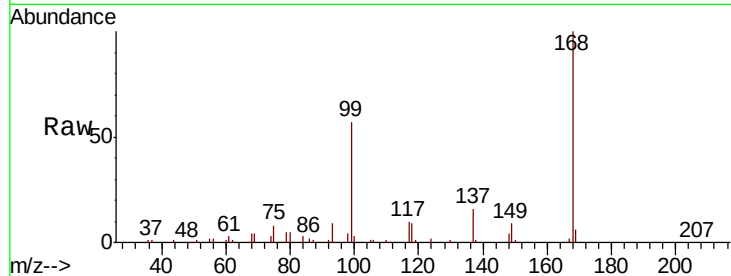
Tot Ion:117 Resp: 19828

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.2#

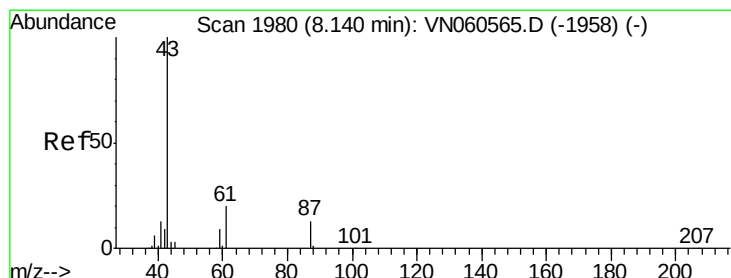
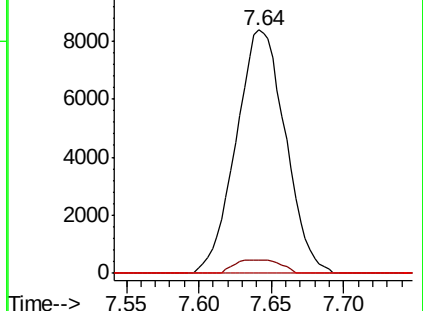
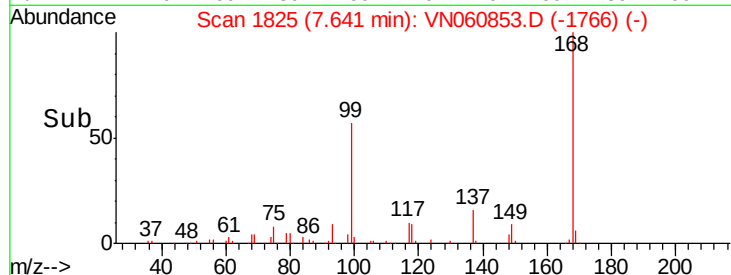
121 0.0 23.7 35.5#



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: 9.423 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060853.D

Acq: 6 Apr 2020 15:57

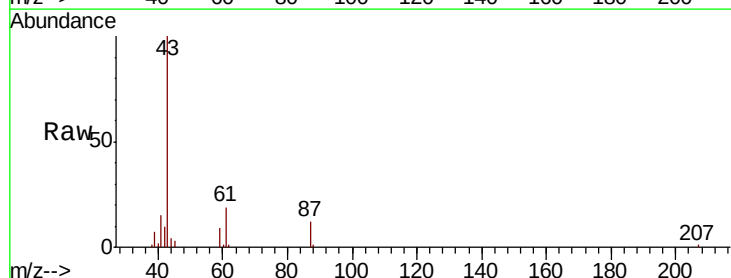
Tgt Ion: 43 Resp: 55999

Ion Ratio Lower Upper

43 100

61 19.3 20.7 31.1#

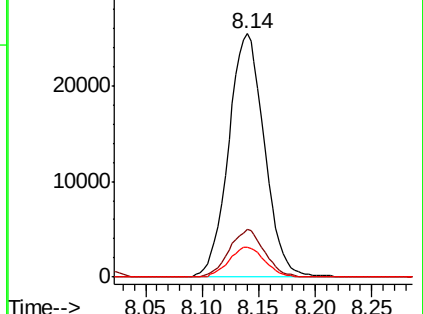
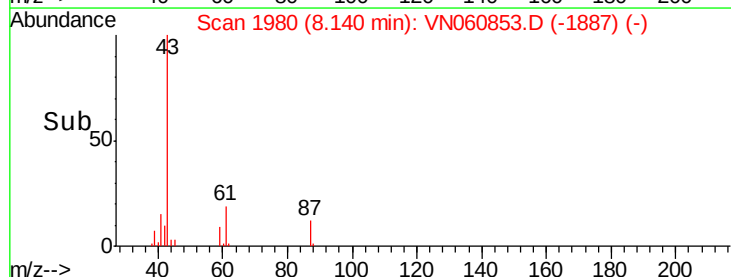
87 12.2 9.8 14.8

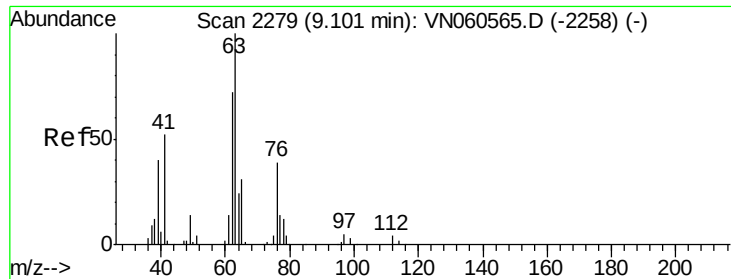


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

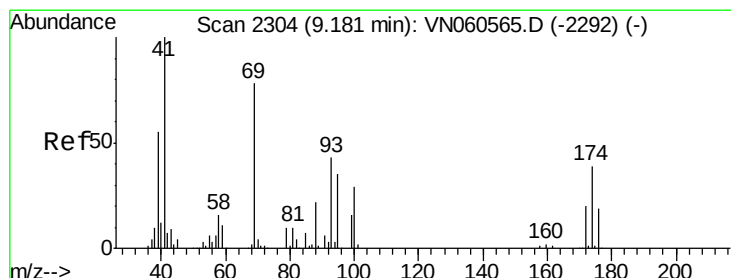
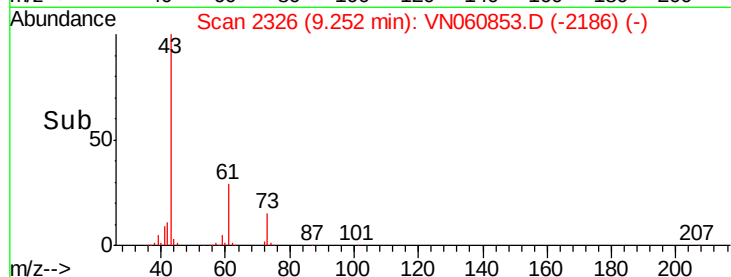
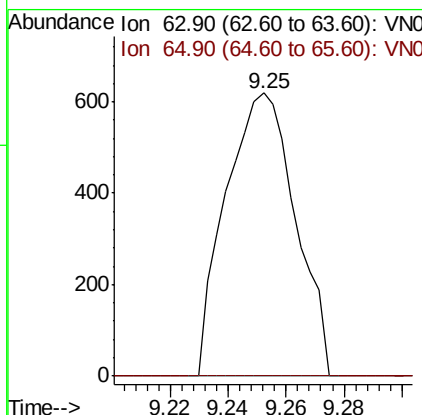
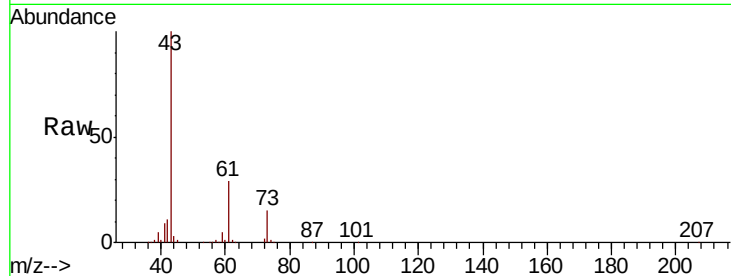




#45
 1,2-Dichloropropane
 Concen: 0.388 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN060853.D
 Acq: 6 Apr 2020 15:57

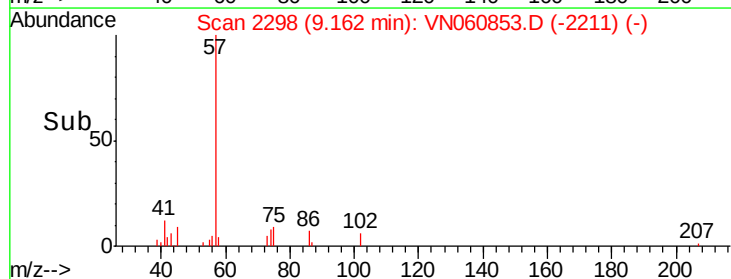
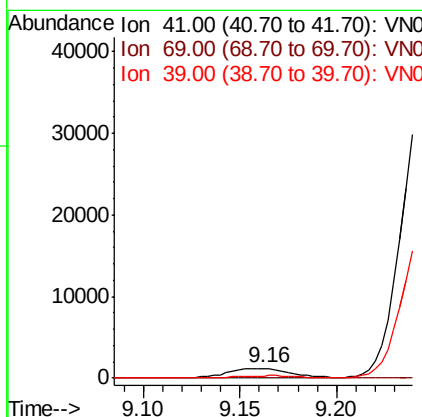
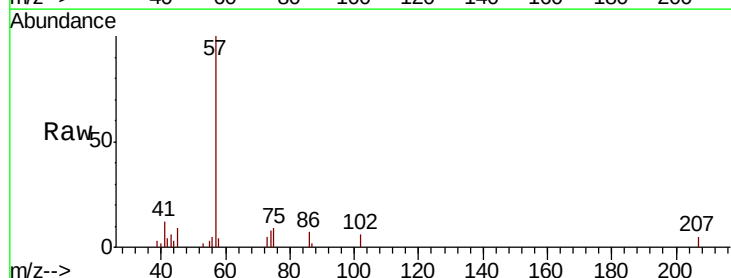
Instrument :
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 ClientSampled :
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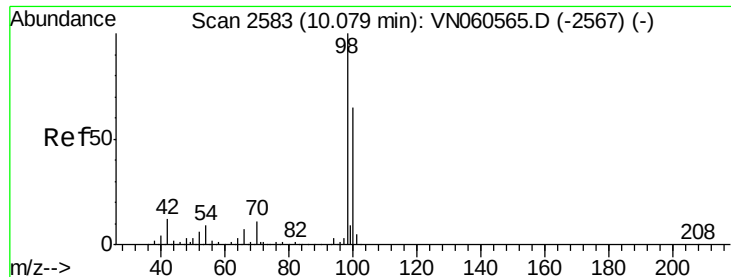
Tot Ion: 63 Resp: 1031
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.027 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN060853.D
 Acq: 6 Apr 2020 15:57

Tgt Ion: 41 Resp: 2717
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 50.044 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060853.D

Acq: 6 Apr 2020 15:57

Instrument :

MSVOA_N

ClientSampled :

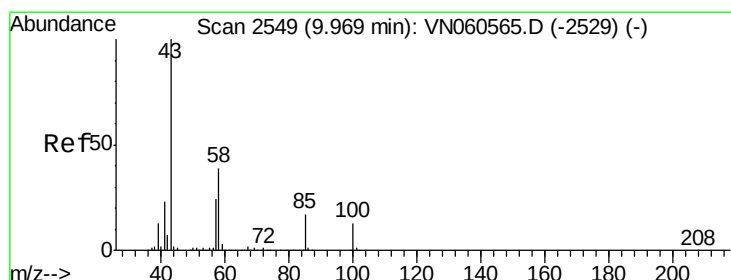
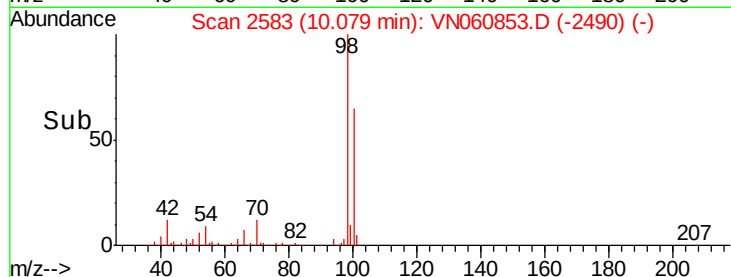
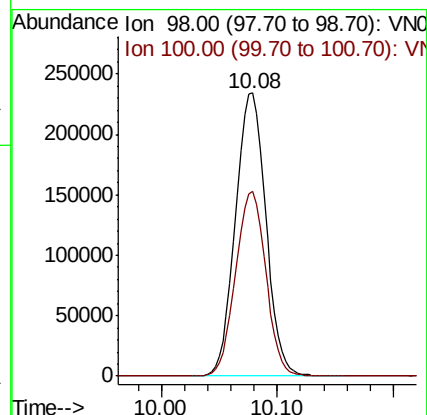
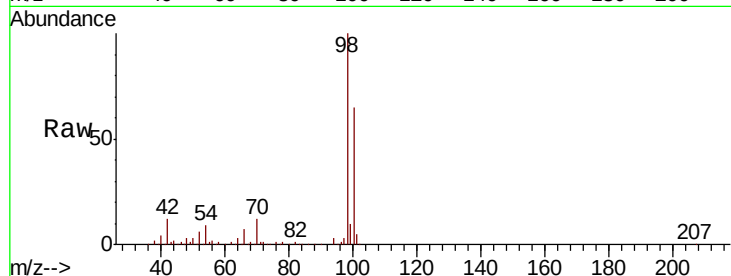
TP-6

Tot Ion: 98 Resp: 425714

Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.339 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060853.D

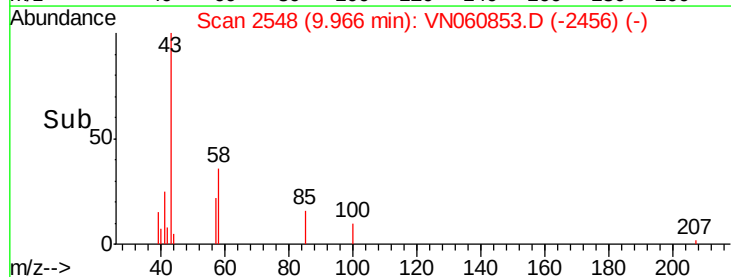
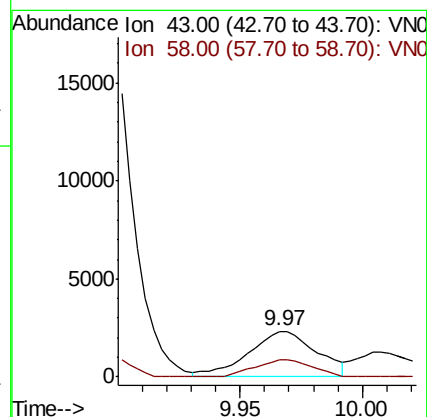
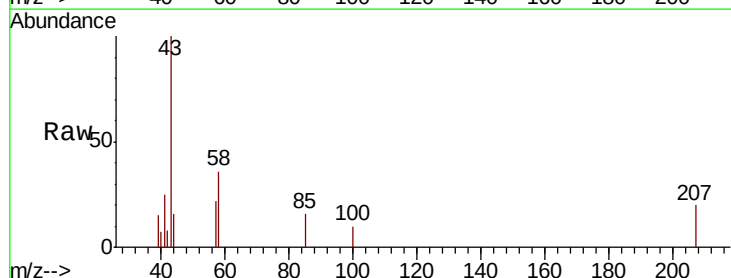
Acq: 6 Apr 2020 15:57

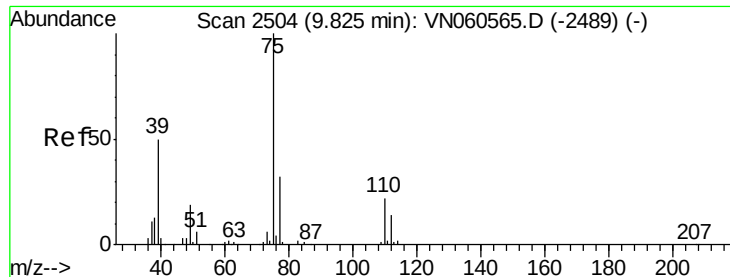
Tgt Ion: 43 Resp: 4527

Ion Ratio Lower Upper

43 100

58 31.0 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 5.120 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060853.D

Acq: 6 Apr 2020 15:57

Instrument :

MSVOA_N

ClientSampleId :

TP-6

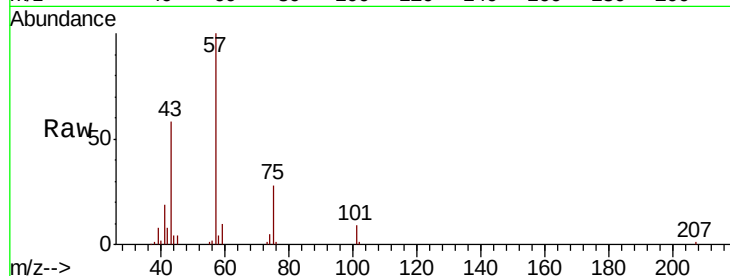
Tot Ion: 75 Resp: 21531

Ion Ratio Lower Upper

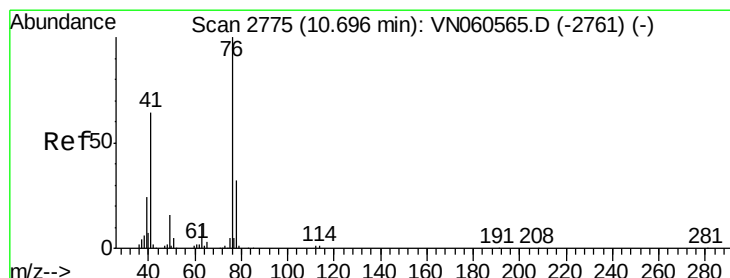
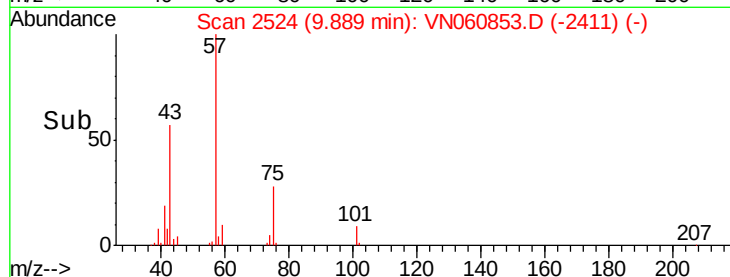
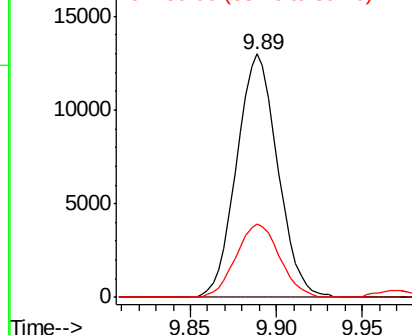
75 100

77 0.0 25.4 38.0#

39 30.0 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: 0.665 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060853.D

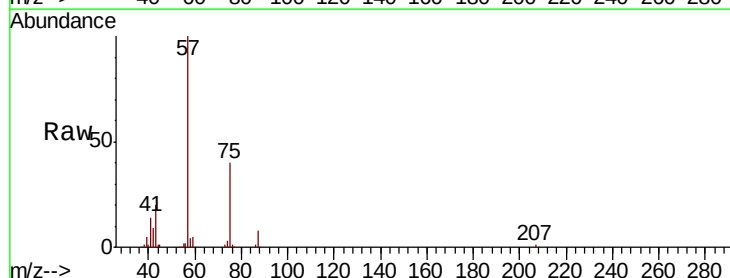
Acq: 6 Apr 2020 15:57

Tgt Ion: 76 Resp: 2698

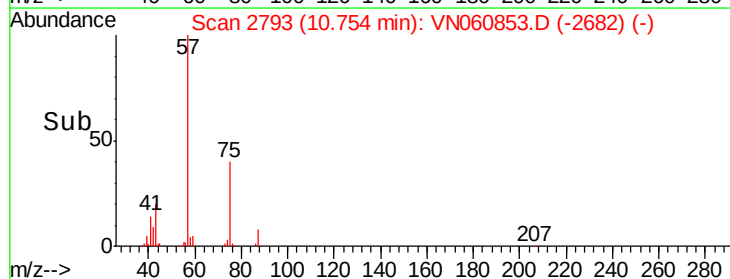
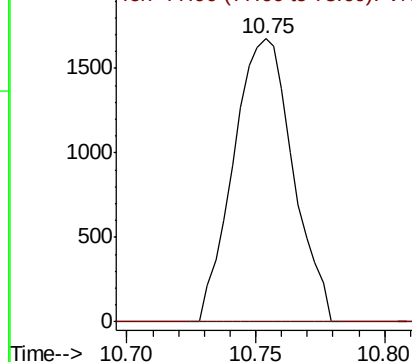
Ion Ratio Lower Upper

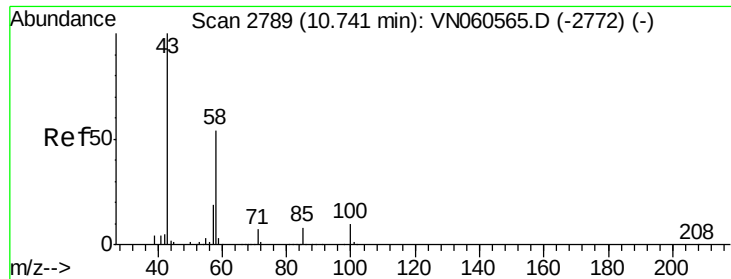
76 100

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

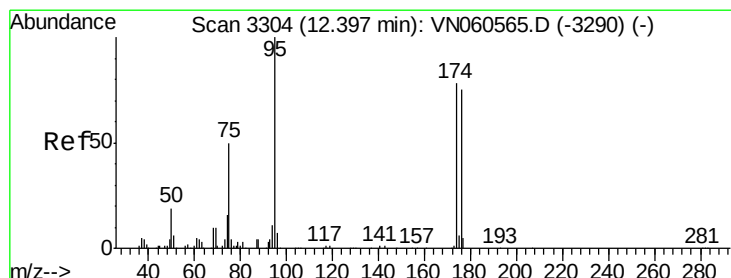
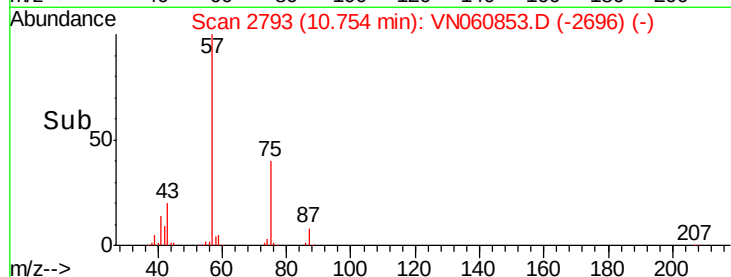
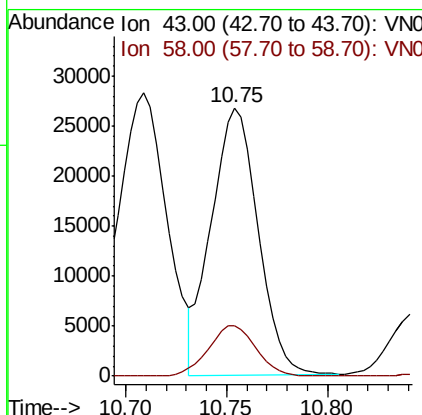
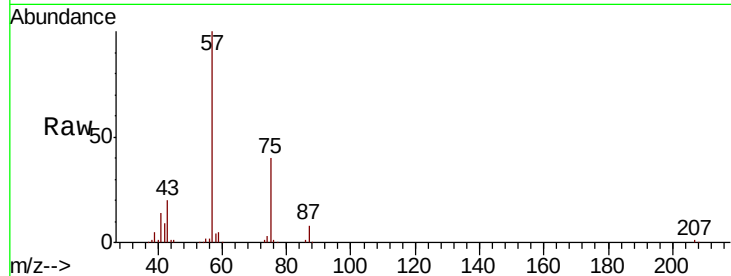




#59
2-Hexanone
Concen: 17.732 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060853.D
Acq: 6 Apr 2020 15:57

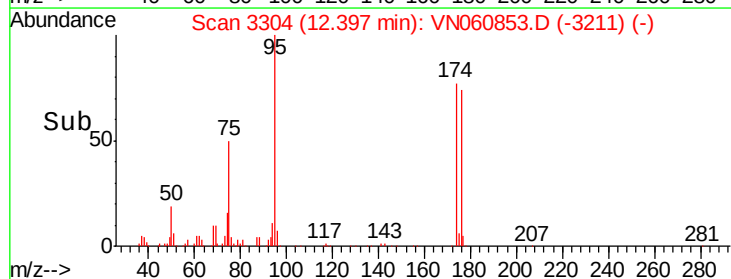
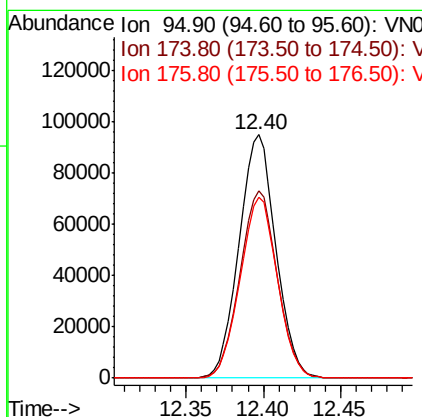
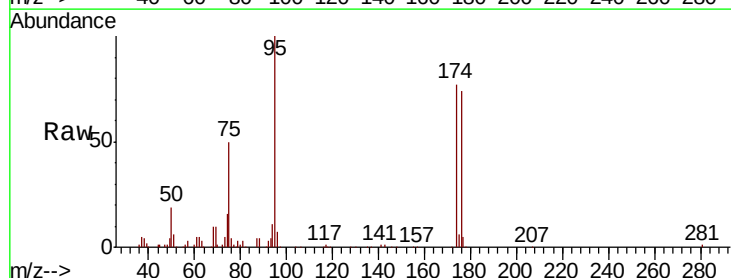
Instrument :
MSVOA_N
ClientSampleId :
TP-6

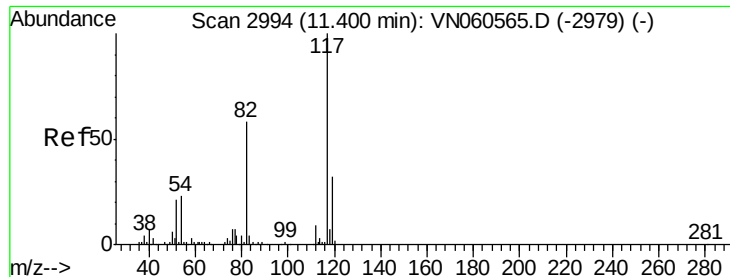
Tot Ion: 43 Resp: 43199
Ion Ratio Lower Upper
43 100
58 19.1 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 50.321 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060853.D
Acq: 6 Apr 2020 15:57

Tgt Ion: 95 Resp: 156881
Ion Ratio Lower Upper
95 100
174 78.2 0.0 157.6
176 75.3 0.0 150.6

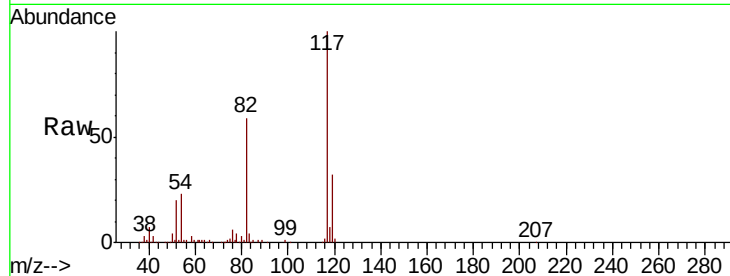




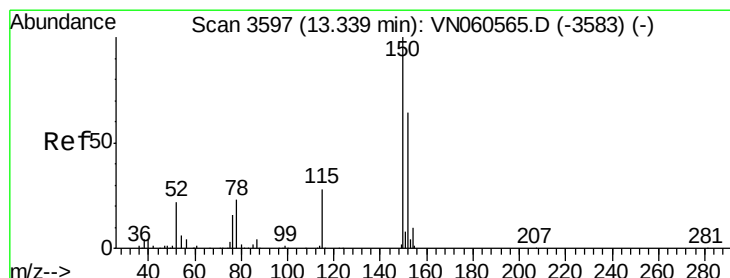
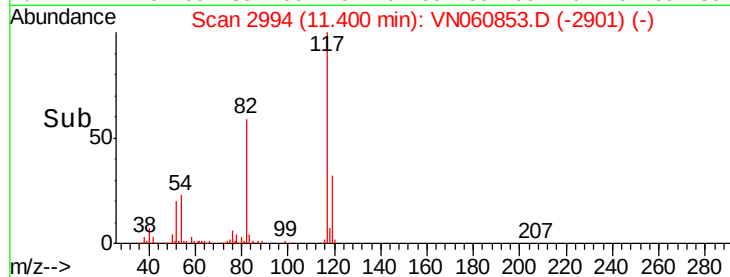
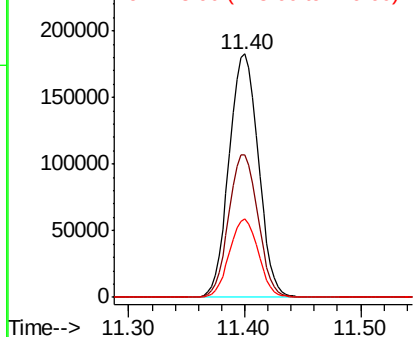
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060853.D
Acq: 6 Apr 2020 15:57

Instrument :
MSVOA_N
ClientSampled :
TP-6

Tot Ion:117 Resp: 320914
Ion Ratio Lower Upper
117 100
82 58.5 46.7 70.1
119 32.0 25.5 38.3

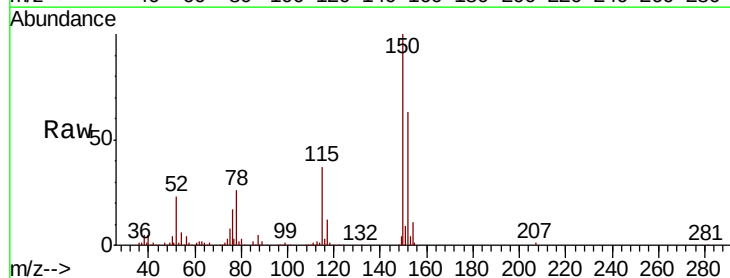


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

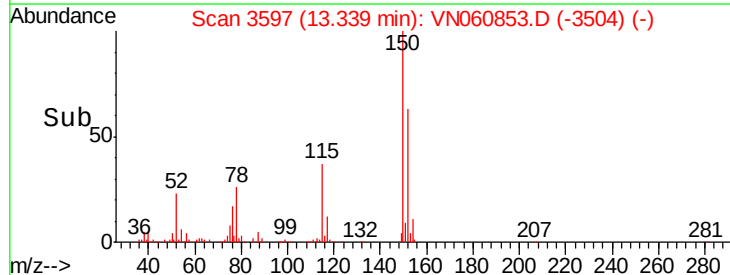
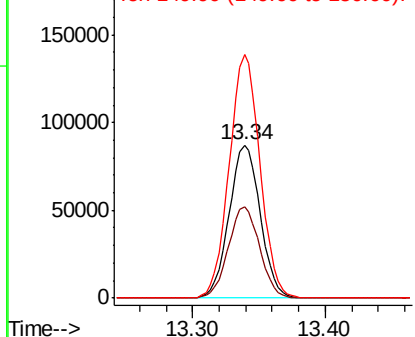


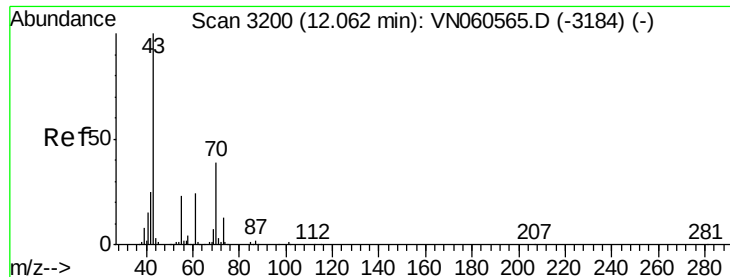
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060853.D
Acq: 6 Apr 2020 15:57

Tgt Ion:152 Resp: 141874
Ion Ratio Lower Upper
152 100
115 59.9 30.2 90.6
150 157.6 0.0 350.2



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

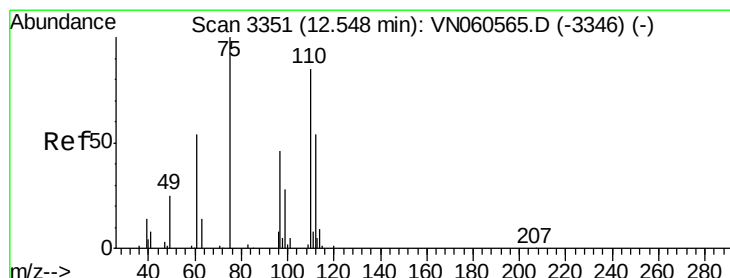
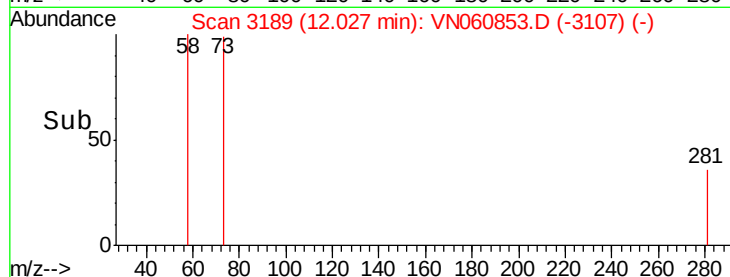
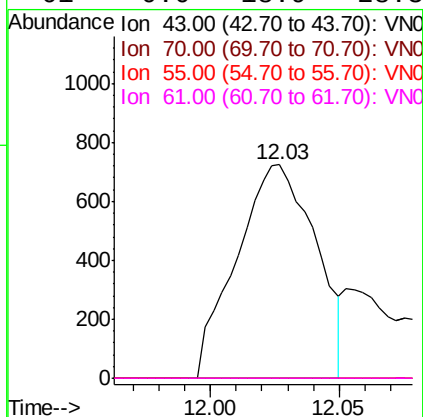
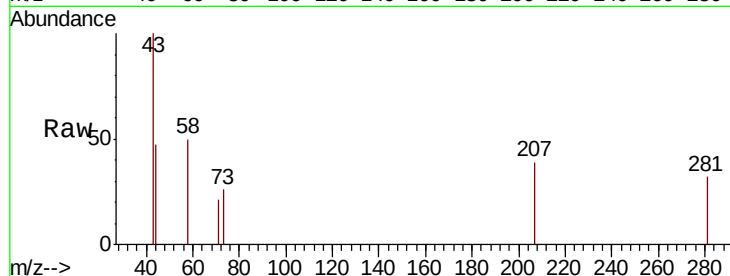




#74
N-amyl acetate
Concen: 0.315 ug/l
RT: 12.03 min Scan# 3189
Delta R.T. -0.04 min
Lab File: VN060853.D
Acq: 6 Apr 2020 15:57

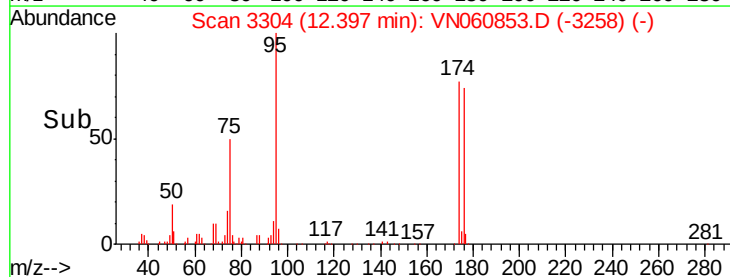
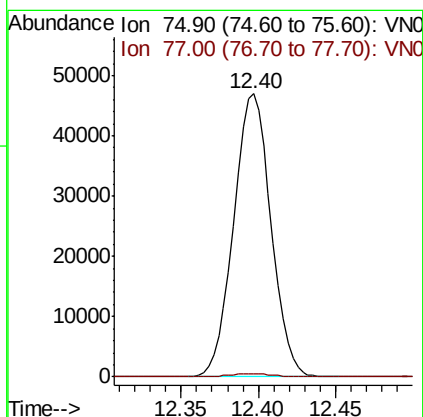
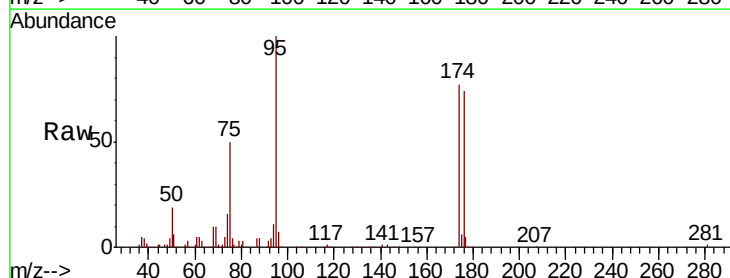
Instrument :
MSVOA_N
ClientSampled :
TP-6

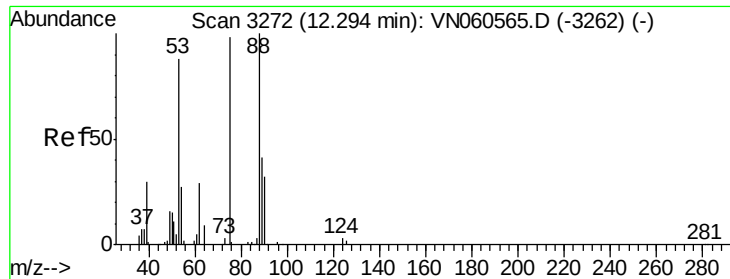
Tot Ion: 43 Resp: 1551
Ion Ratio Lower Upper
43 100
70 0.0 31.1 46.7#
55 0.0 18.6 27.8#
61 0.0 18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 25.664 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060853.D
Acq: 6 Apr 2020 15:57

Tgt Ion: 75 Resp: 78565
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 65.912 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060853.D

Acq: 6 Apr 2020 15:57

Instrument :

MSVOA_N

ClientSampleId :

TP-6

Tot Ion: 75 Resp: 78565

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

