

Data File : VN060458.D
Acq On : 11 Mar 2020 18:13
Operator : JC/MD
Sample : L1873-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-3

Quant Time: Mar 12 03:41:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	322411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	310314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149833	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	128213	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
35) Dibromofluoromethane	7.57	113	95878	64.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.14%	
50) Toluene-d8	10.08	98	402099	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.40	95	153233	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	

Target Compounds

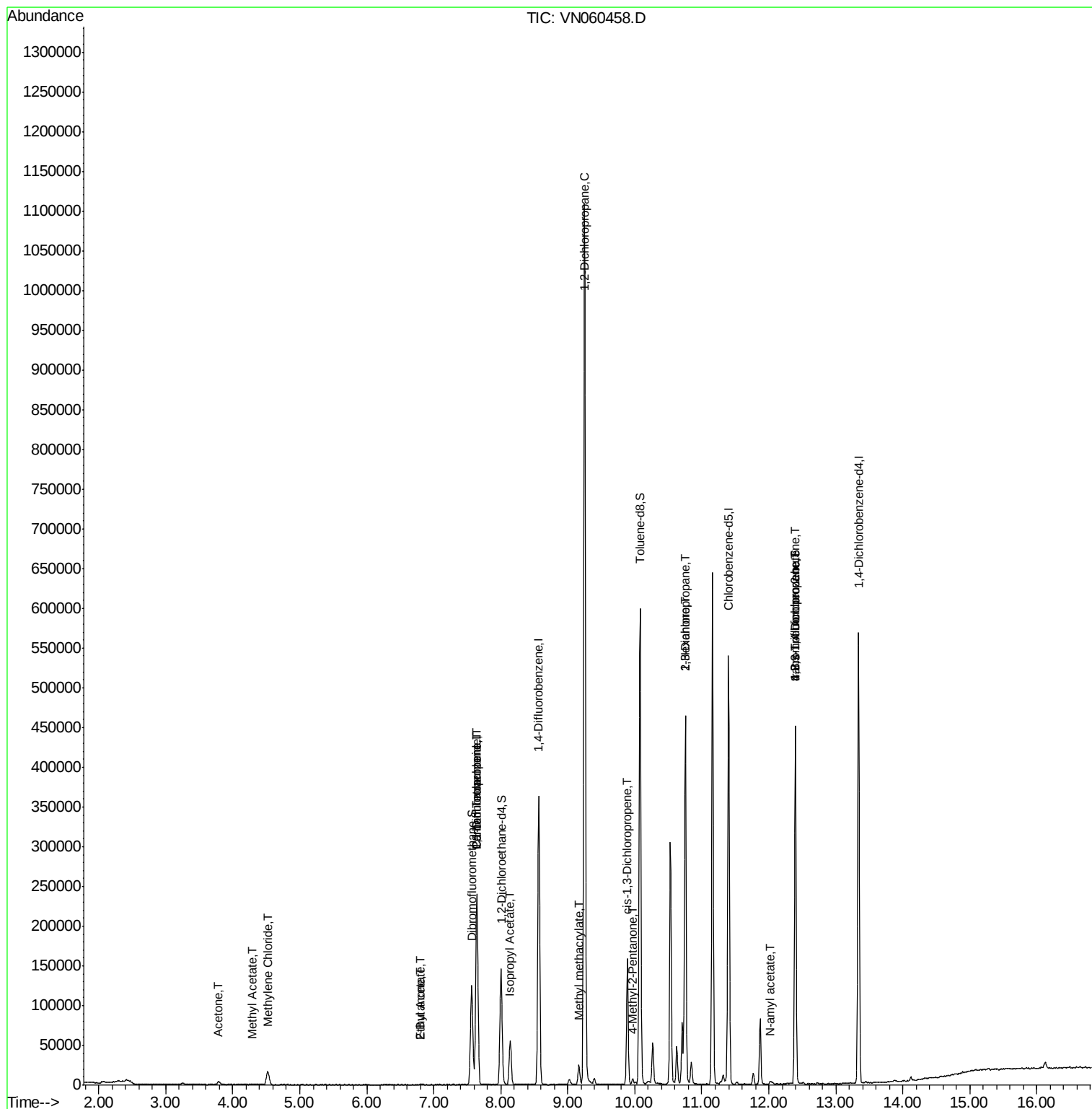
						Qvalue
16) Acetone	3.79	43	7718	9.492	ug/l	97
18) Methyl Acetate	4.29	43	1085	0.400	ug/l #	71
20) Methylene Chloride	4.52	84	13003	5.823	ug/l	98
25) 2-Butanone	6.81	43	1442	1.098	ug/l #	49
31) Cyclohexane	7.64	56	4300	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14751	4.801	ug/l #	49
37) Ethyl Acetate	6.81	43	1442	0.496	ug/l #	68
38) Carbon Tetrachloride	7.64	117	18401	6.151	ug/l #	16
43) Isopropyl Acetate	8.14	43	66491	13.054	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1087	0.465	ug/l #	44
48) Methyl methacrylate	9.16	41	3365	1.449	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	5252	1.819	ug/l	88
54) cis-1,3-Dichloropropene	9.89	75	27766	7.087	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	4587	1.245	ug/l #	42
59) 2-Hexanone	10.75	43	68743	32.420	ug/l #	51
74) N-amyl acetate	12.02	43	3224	0.664	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	79041	24.044	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	79041	66.373	ug/l #	8
95) Naphthalene	15.13	128	97	Below Cal	#	69

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

Data File : VN060458.D
Acq On : 11 Mar 2020 18:13
Operator : JC/MD
Sample : L1873-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-3

Quant Time: Mar 12 03:41:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 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: VN060458.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_N

ClientSampled :

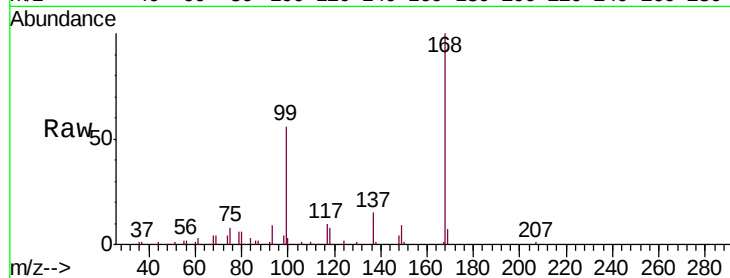
TP-3

Tgt Ion:168 Resp: 196243

Ion Ratio Lower Upper

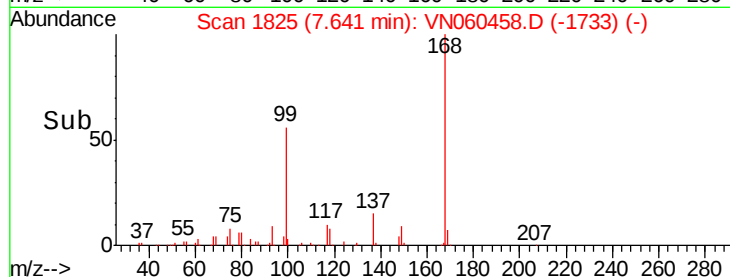
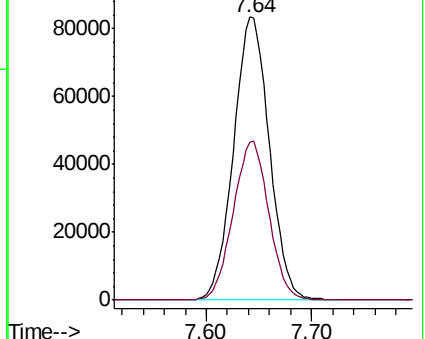
168 100

99 56.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 9.492 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060458.D

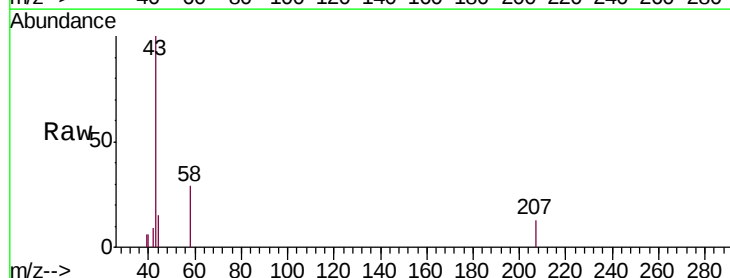
Acq: 11 Mar 2020 18:13

Tgt Ion: 43 Resp: 7718

Ion Ratio Lower Upper

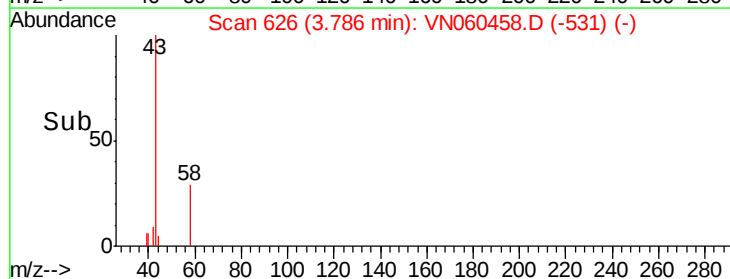
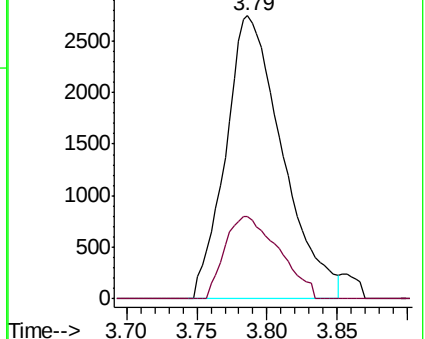
43 100

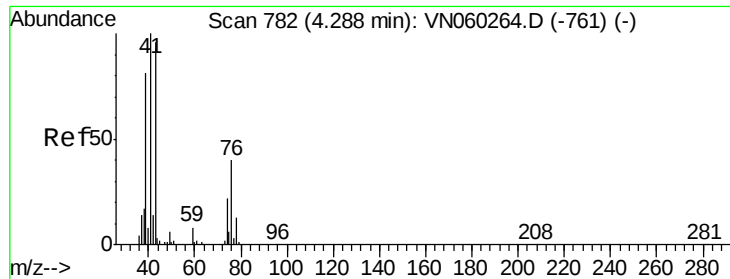
58 29.1 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

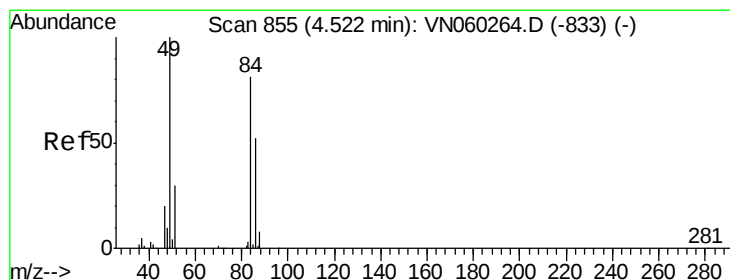
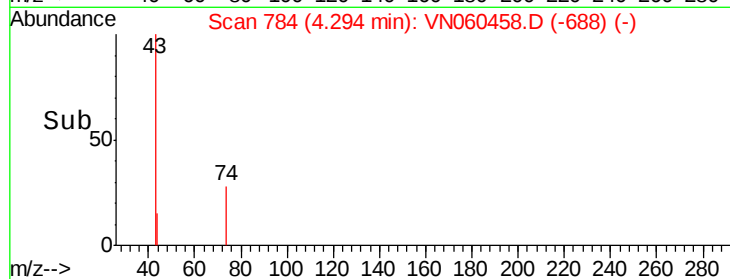
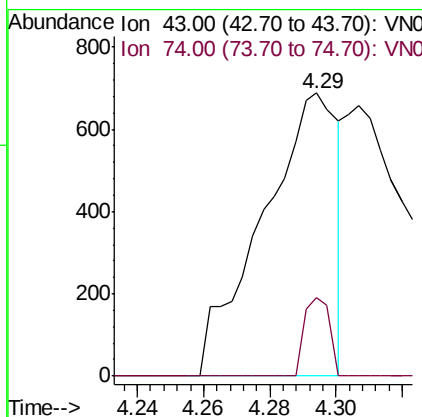
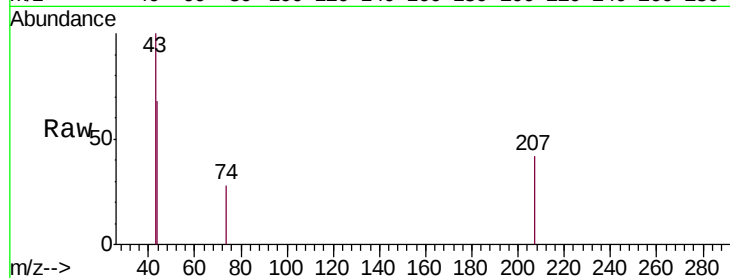




#18
Methyl Acetate
Concen: 0.400 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060458.D
Acq: 11 Mar 2020 18:13

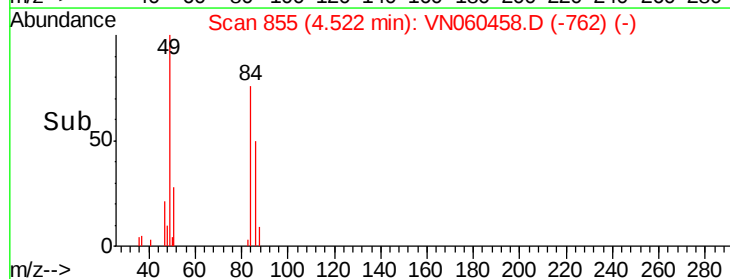
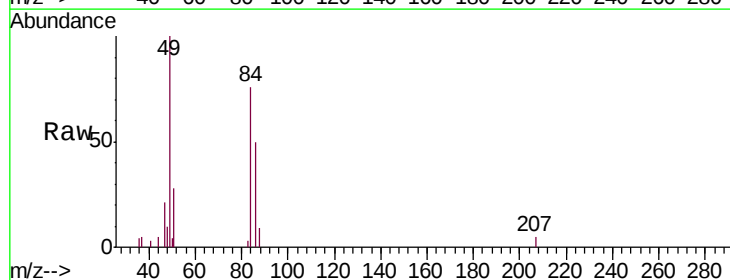
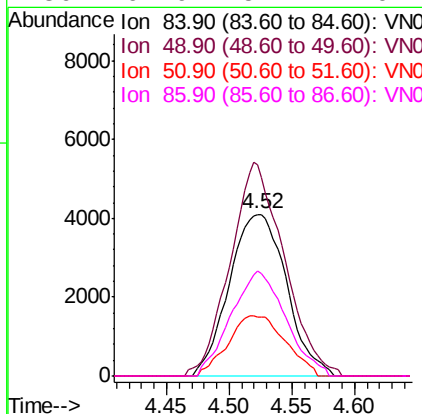
Instrument :
MSVOA_N
ClientSampleId :
TP-3

Tgt Ion: 43 Resp: 1085
Ion Ratio Lower Upper
43 100
74 9.4 18.8 28.2#



#20
Methylene Chloride
Concen: 5.823 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060458.D
Acq: 11 Mar 2020 18:13

Tgt Ion: 84 Resp: 13003
Ion Ratio Lower Upper
84 100
49 126.9 99.3 148.9
51 36.3 30.1 45.1
86 64.9 51.1 76.7

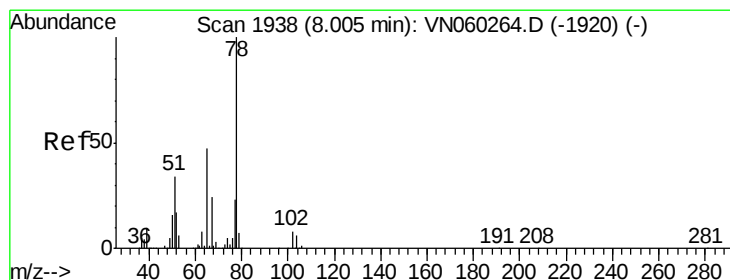
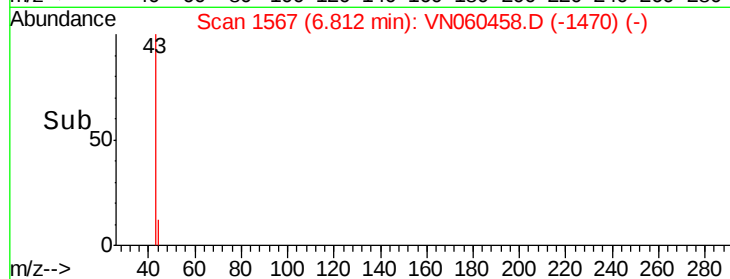
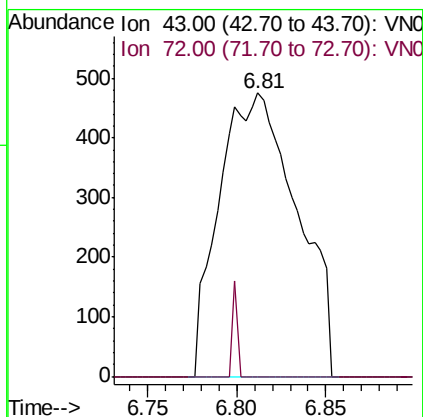
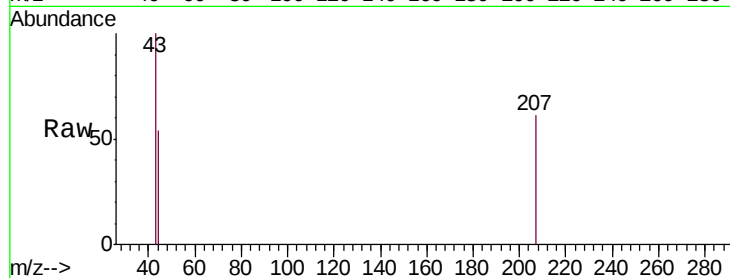




#25
 2-Butanone
 Concen: 1.098 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN060458.D
 Acq: 11 Mar 2020 18:13

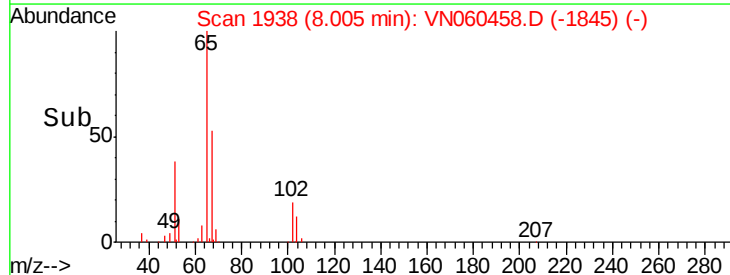
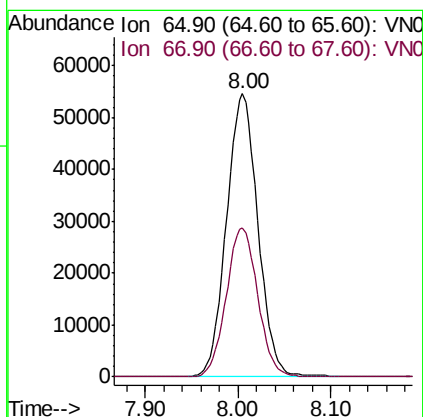
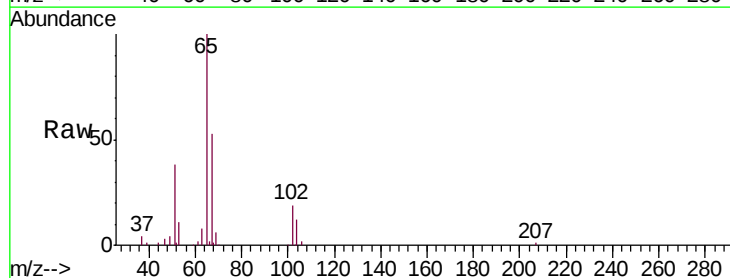
Instrument :
 MSVOA_N
 ClientSampled :
 TP-3

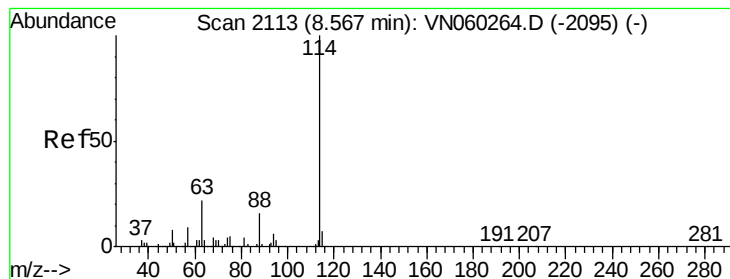
Tgt Ion: 43 Resp: 1442
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.9 31.3#



#33
 1,2-Dichloroethane-d4
 Concen: 50.922 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060458.D
 Acq: 11 Mar 2020 18:13

Tgt Ion: 65 Resp: 128213
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060458.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

TP-3

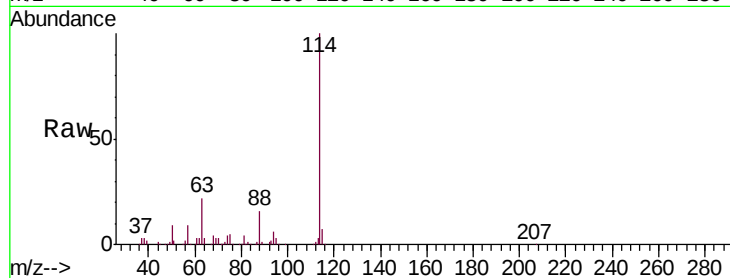
Tgt Ion:114 Resp: 322411

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.2

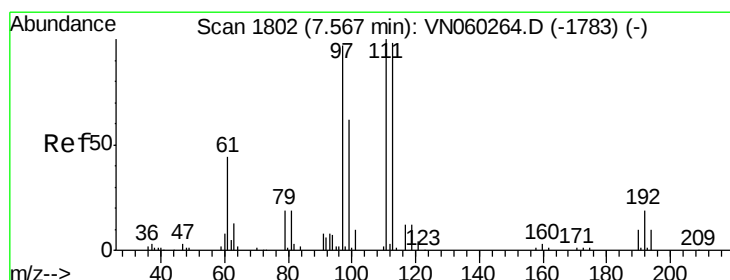
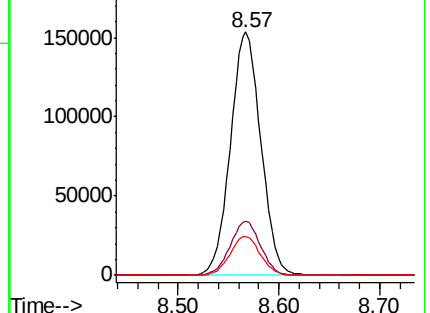
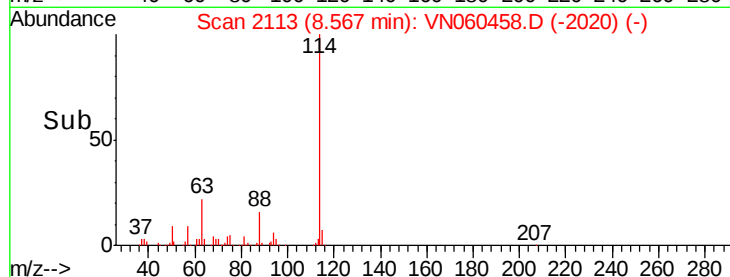
88 16.0 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 64.067 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060458.D

Acq: 11 Mar 2020 18:13

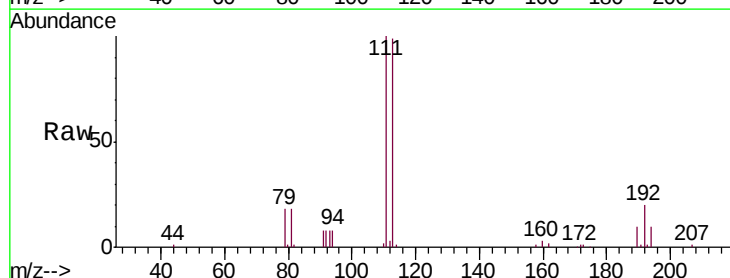
Tgt Ion:113 Resp: 95878

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

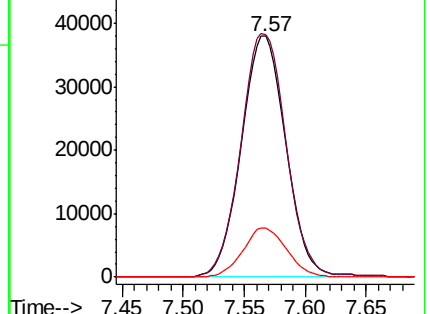
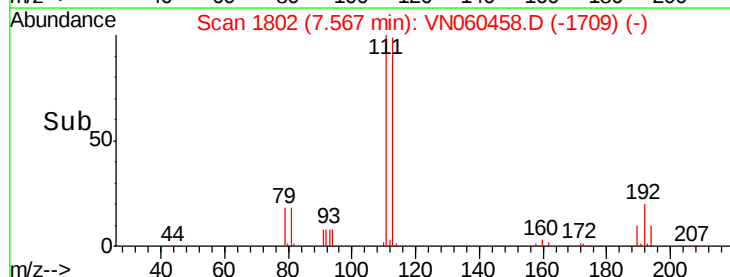
192 20.0 16.2 24.2

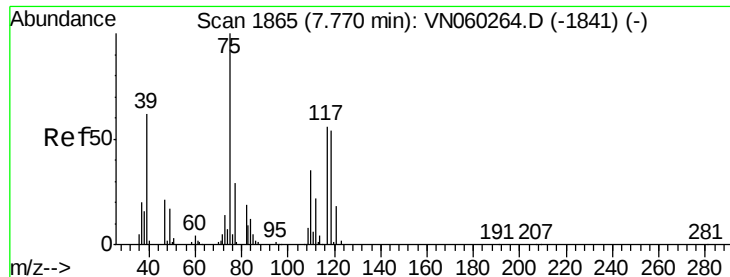


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.801 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN060458.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

TP-3

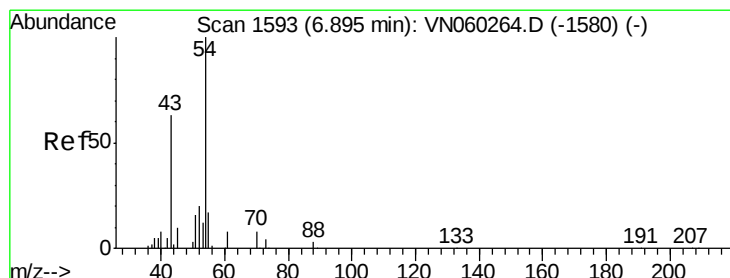
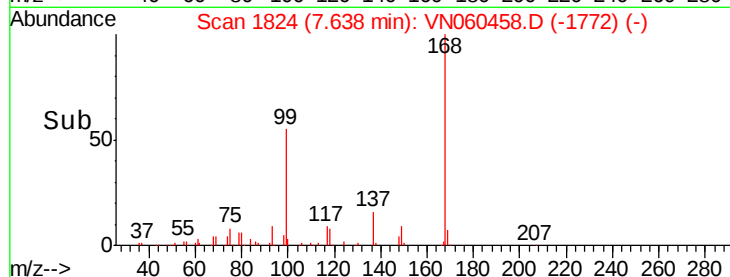
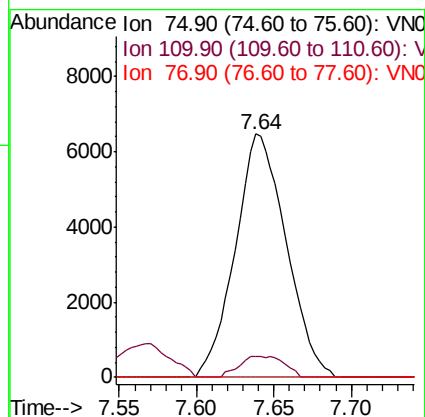
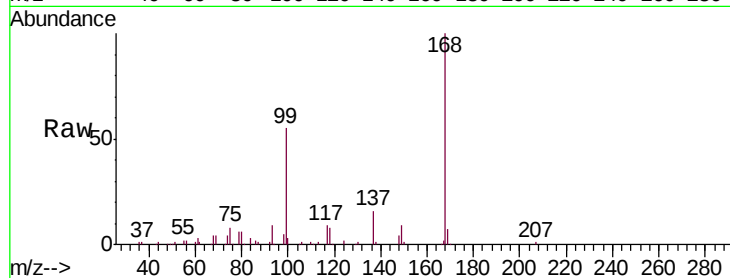
Tgt Ion: 75 Resp: 14751

Ion Ratio Lower Upper

75 100

110 7.6 17.3 52.0#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 0.496 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.08 min

Lab File: VN060458.D

Acq: 11 Mar 2020 18:13

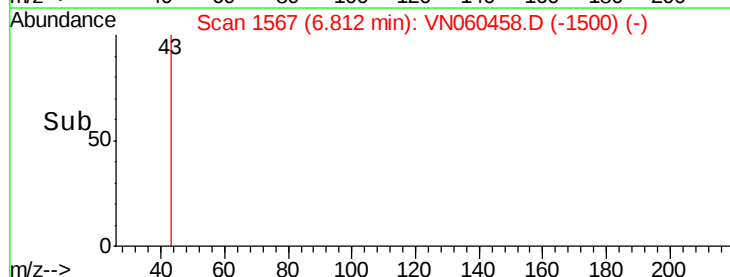
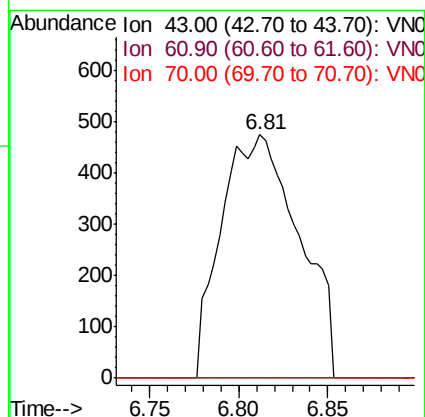
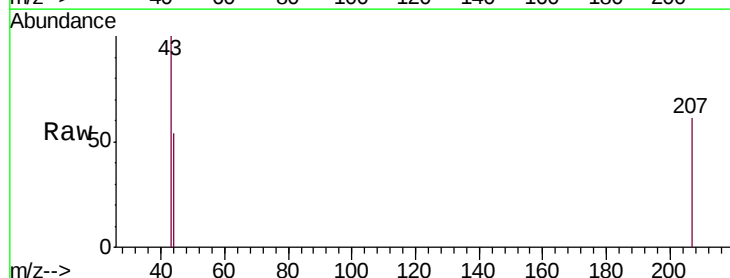
Tgt Ion: 43 Resp: 1442

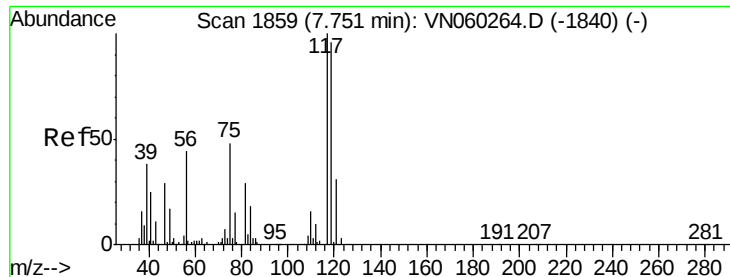
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 6.151 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060458.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_N

ClientSampled :

TP-3

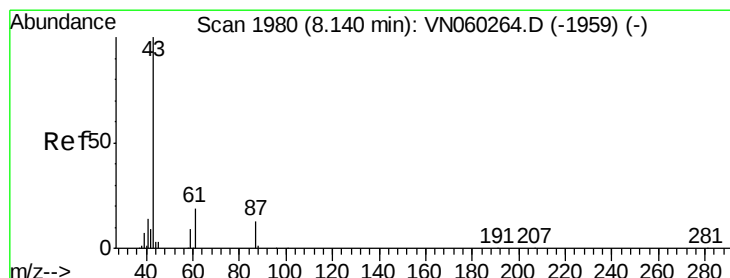
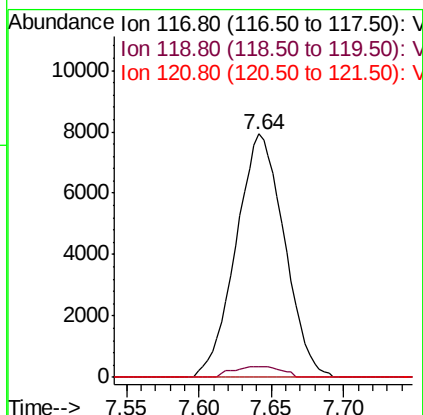
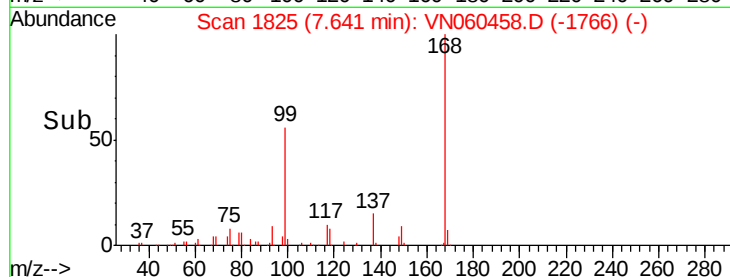
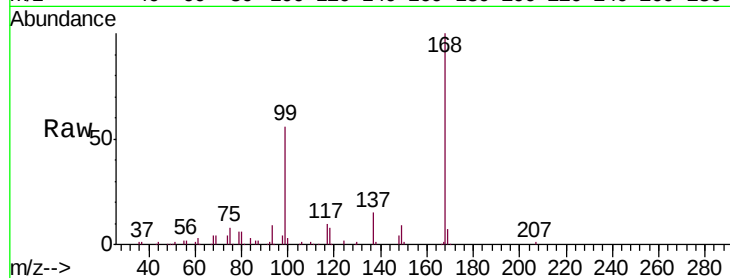
Tgt Ion: 117 Resp: 18401

Ion Ratio Lower Upper

117 100

119 4.5 76.7 115.1#

121 0.0 24.5 36.7#



#43

Isopropyl Acetate

Concen: 13.054 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060458.D

Acq: 11 Mar 2020 18:13

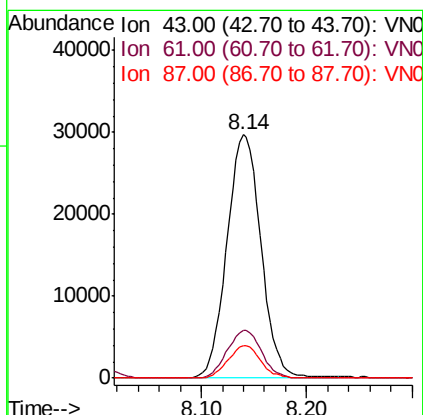
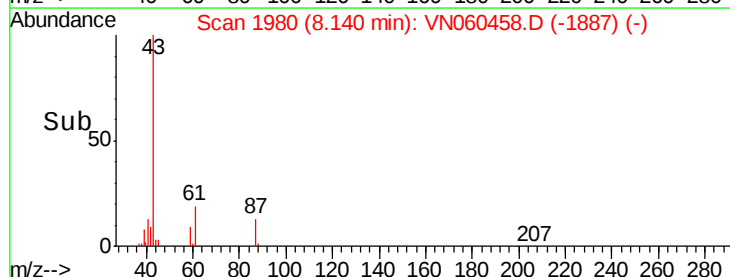
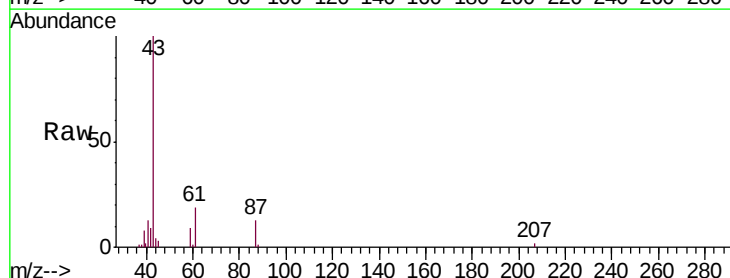
Tgt Ion: 43 Resp: 66491

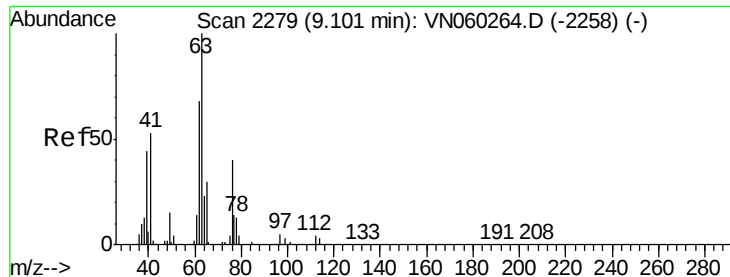
Ion Ratio Lower Upper

43 100

61 19.6 20.9 31.3#

87 12.7 10.6 16.0

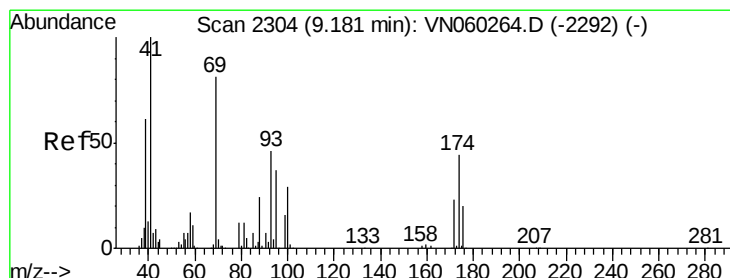
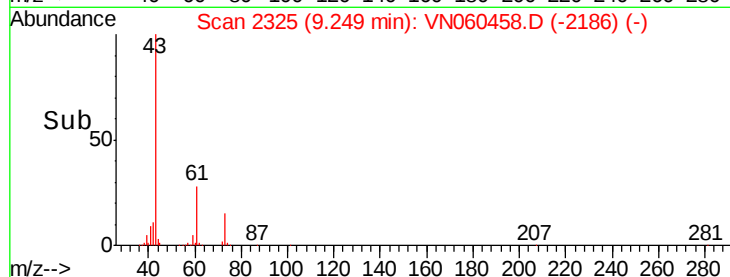
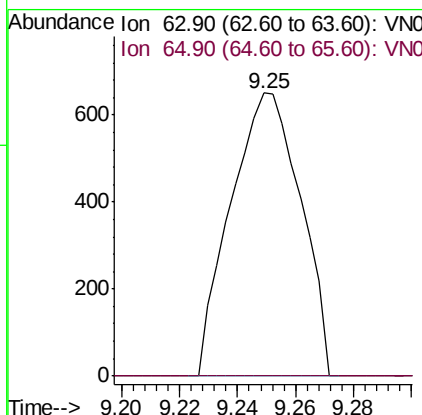
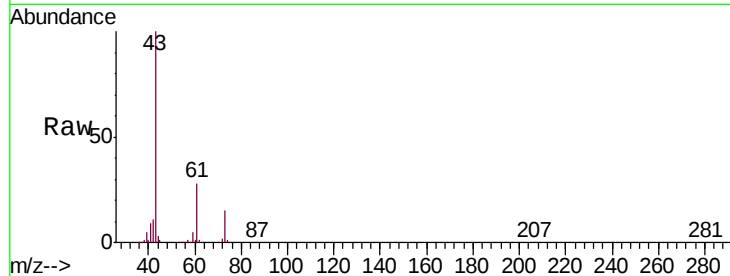




#45
 1,2-Dichloropropane
 Concen: 0.465 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN060458.D
 Acq: 11 Mar 2020 18:13

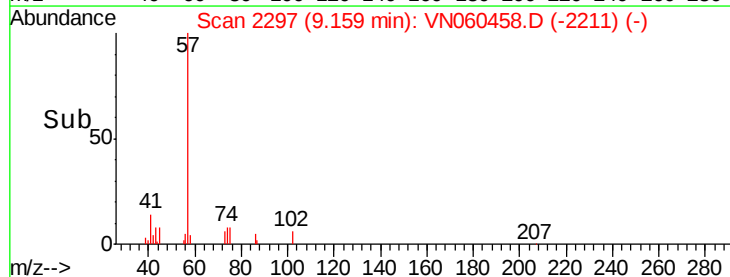
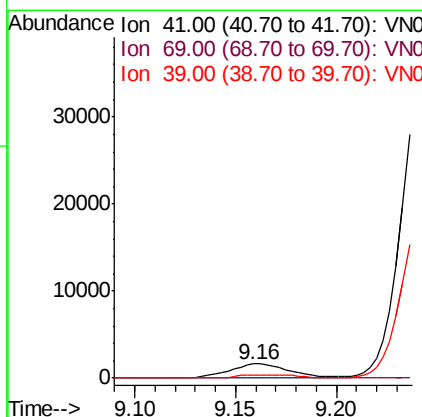
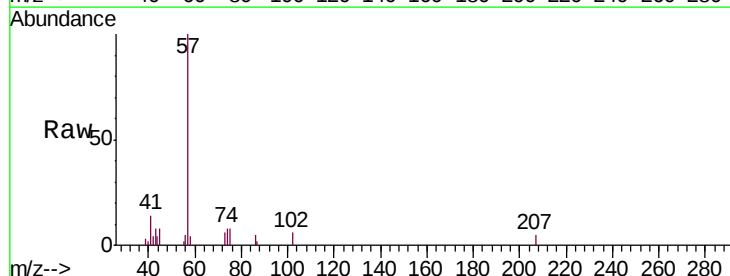
Instrument :
 MSVOA_N
 ClientSampled :
 TP-3

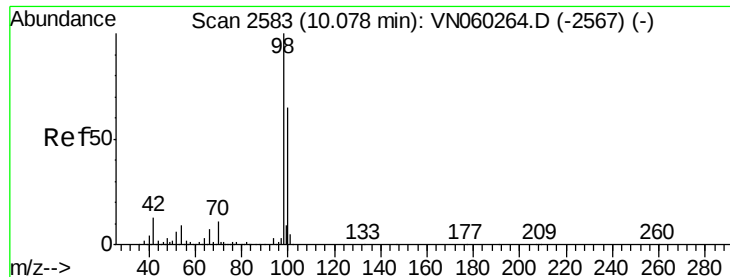
Tgt Ion: 63 Resp: 1087
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.449 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060458.D
 Acq: 11 Mar 2020 18:13

Tgt Ion: 41 Resp: 3365
 Ion Ratio Lower Upper
 41 100
 69 0.0 66.7 100.1#
 39 0.0 50.1 75.1#





#50

Toluene-d8

Concen: 53.089 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060458.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_N

ClientSampled :

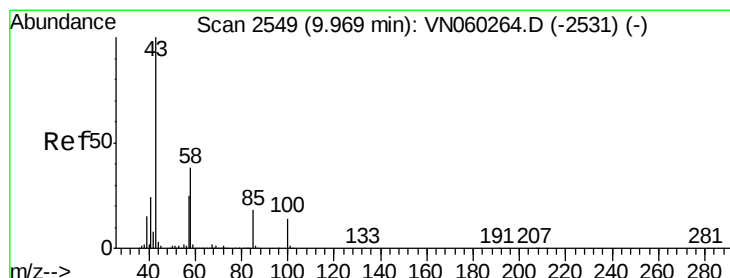
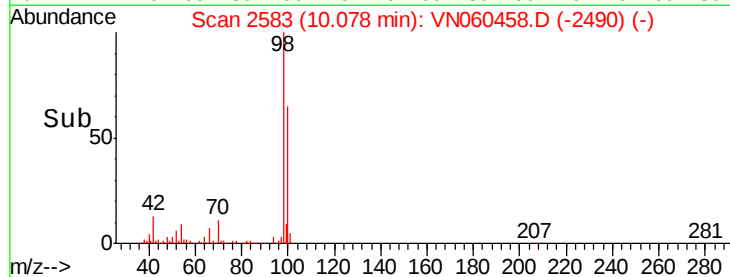
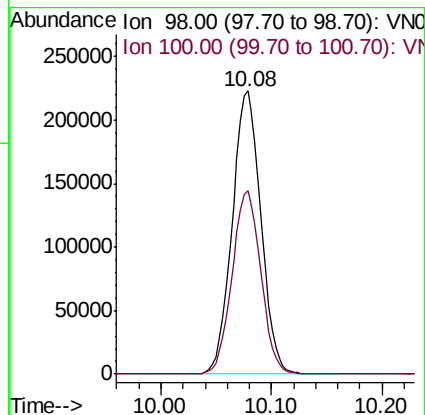
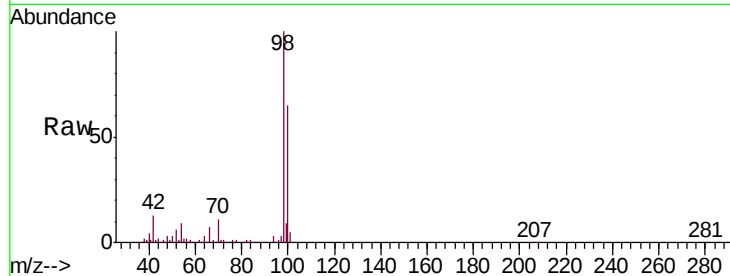
TP-3

Tgt Ion: 98 Resp: 402099

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.819 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060458.D

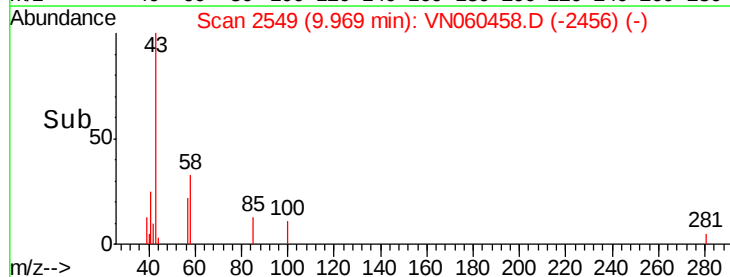
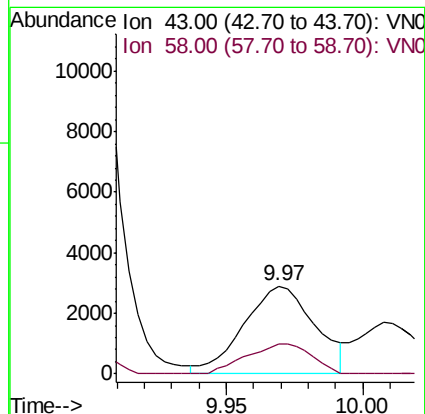
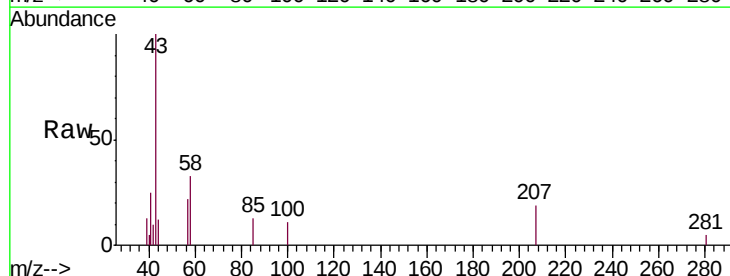
Acq: 11 Mar 2020 18:13

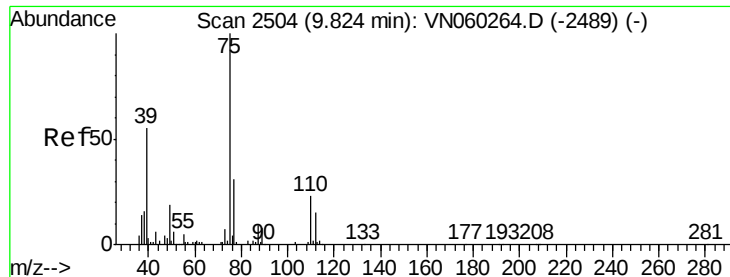
Tgt Ion: 43 Resp: 5252

Ion Ratio Lower Upper

43 100

58 31.1 30.9 46.3





#54

cis-1,3-Dichloropropene

Concen: 7.087 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060458.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

TP-3

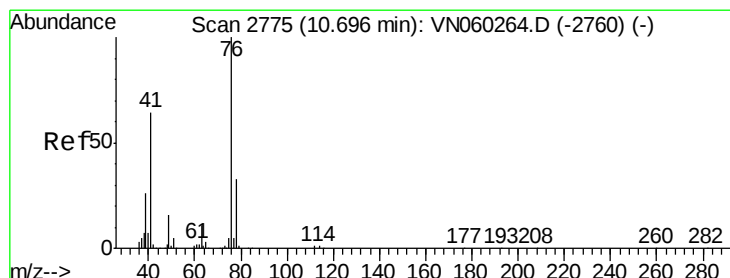
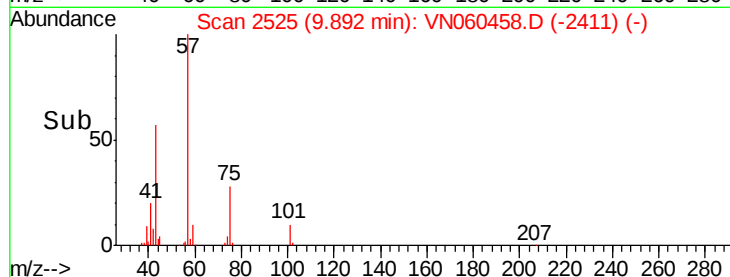
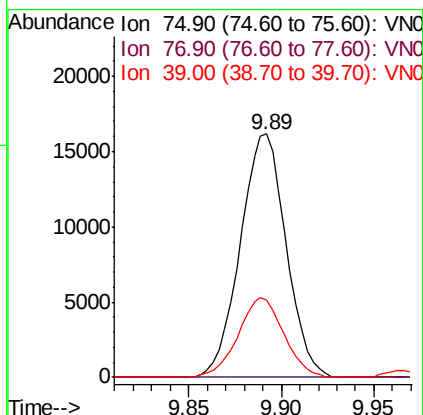
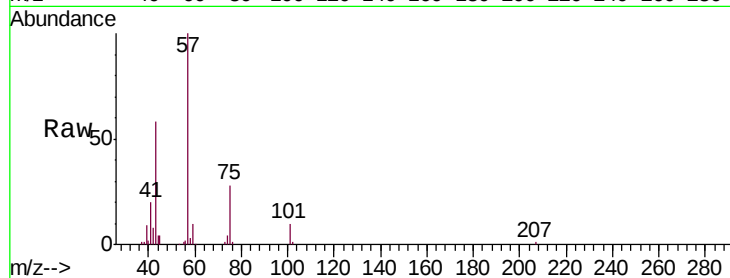
Tgt Ion: 75 Resp: 27766

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

39 31.6 43.8 65.8#



#57

1,3-Dichloropropane

Concen: 1.245 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060458.D

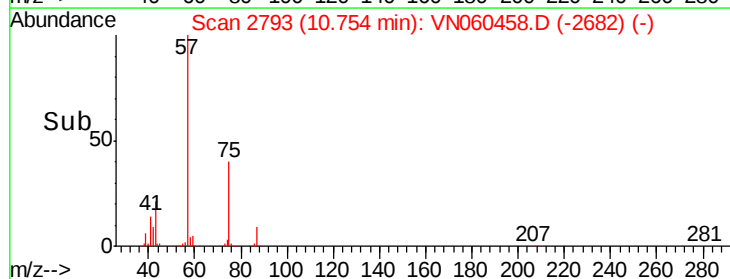
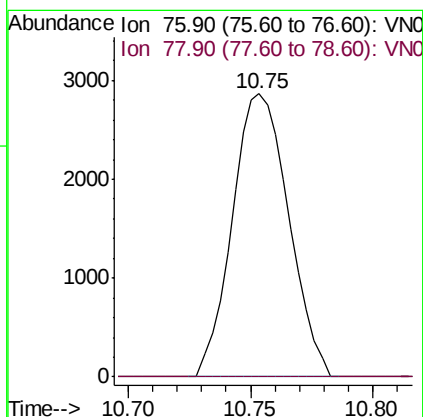
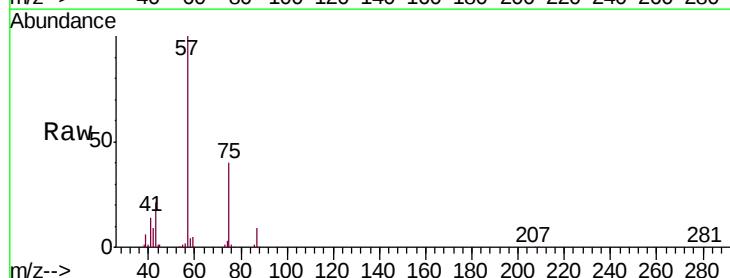
Acq: 11 Mar 2020 18:13

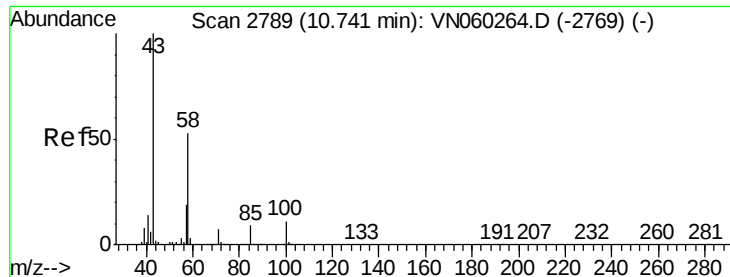
Tgt Ion: 76 Resp: 4587

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#

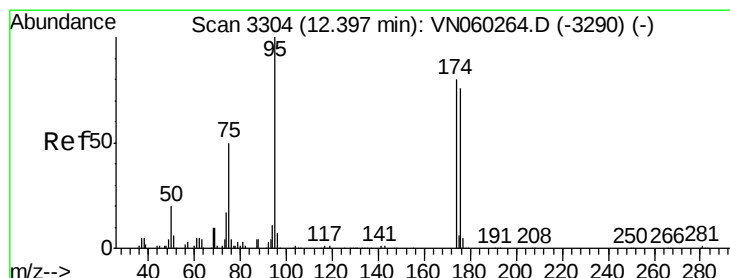
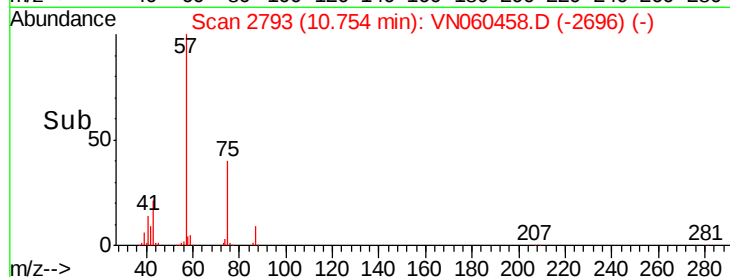
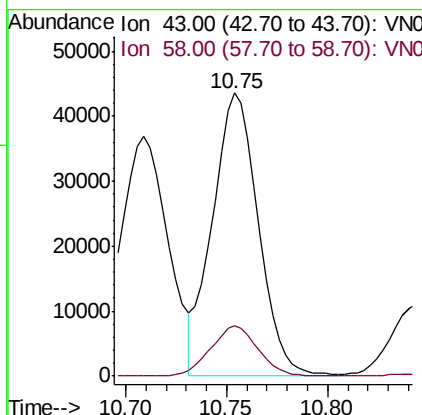
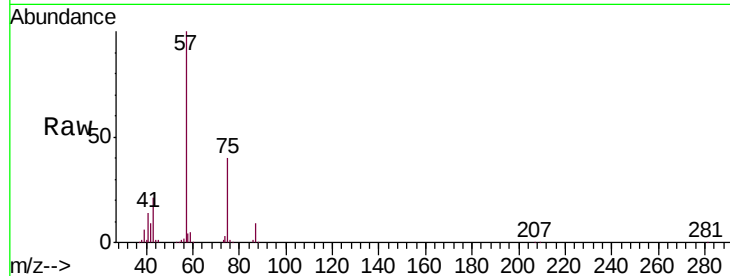




#59
2-Hexanone
Concen: 32.420 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060458.D
Acq: 11 Mar 2020 18:13

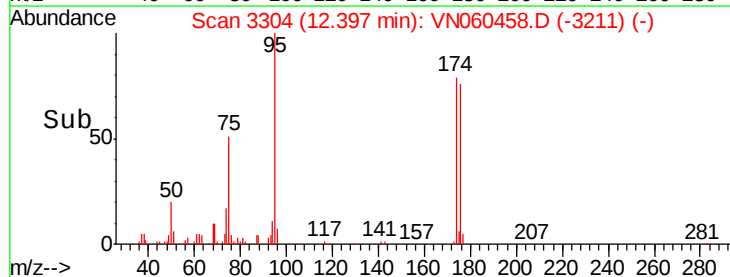
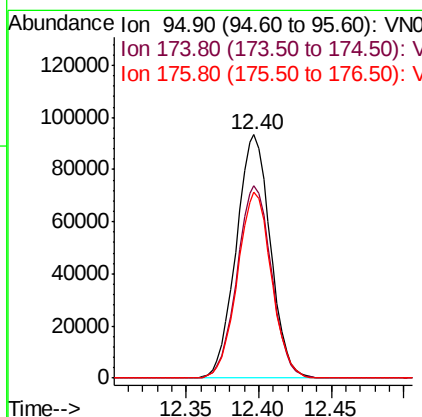
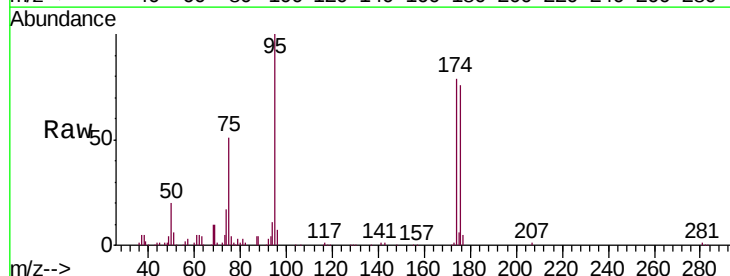
Instrument :
MSVOA_N
ClientSampleId :
TP-3

Tgt Ion: 43 Resp: 68743
Ion Ratio Lower Upper
43 100
58 18.2 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 53.370 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060458.D
Acq: 11 Mar 2020 18:13

Tgt Ion: 95 Resp: 153233
Ion Ratio Lower Upper
95 100
174 79.3 0.0 159.2
176 76.1 0.0 153.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060458.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

TP-3

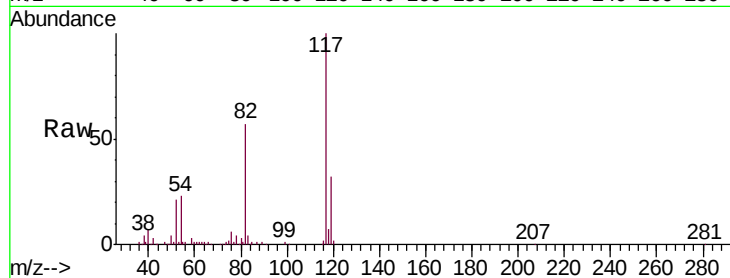
Tgt Ion:117 Resp: 310314

Ion Ratio Lower Upper

117 100

82 56.8 45.8 68.6

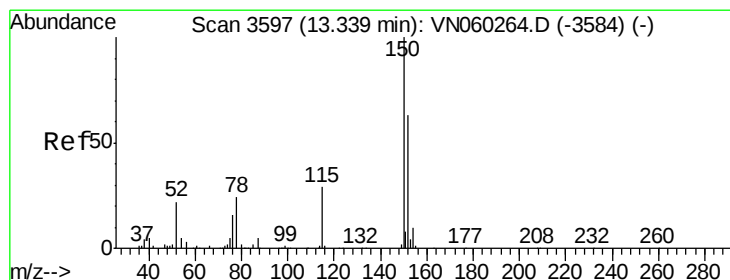
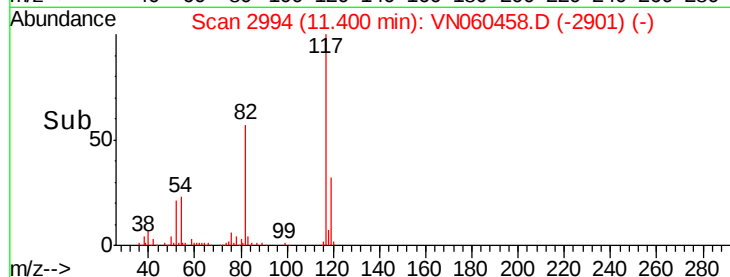
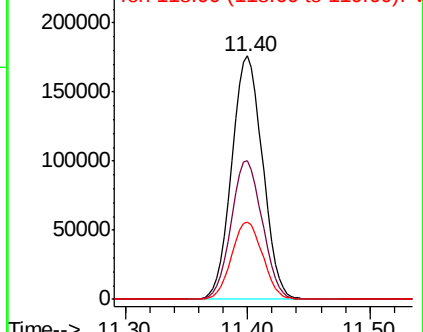
119 31.8 25.8 38.8



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: VN060458.D

Acq: 11 Mar 2020 18:13

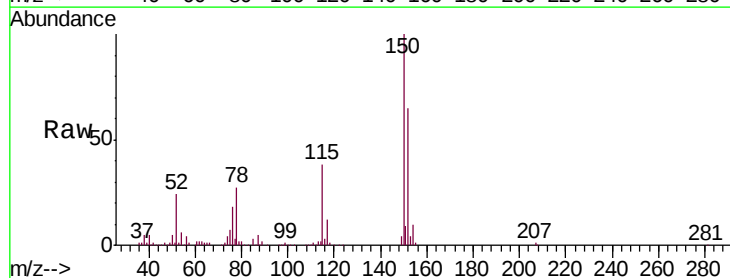
Tgt Ion:152 Resp: 149833

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

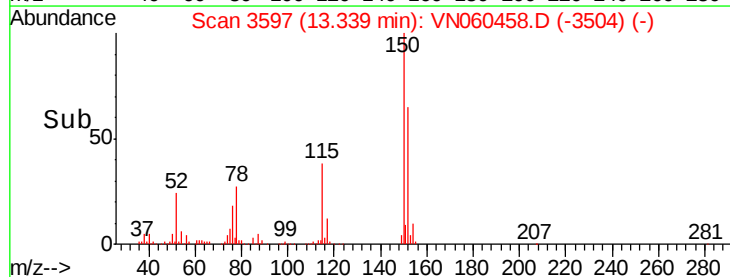
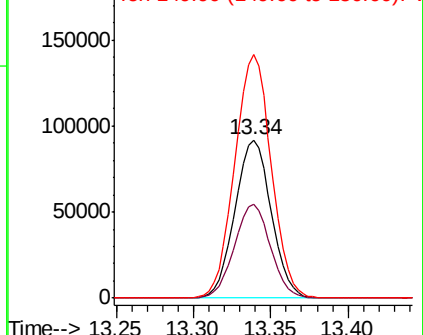
150 154.9 0.0 349.6

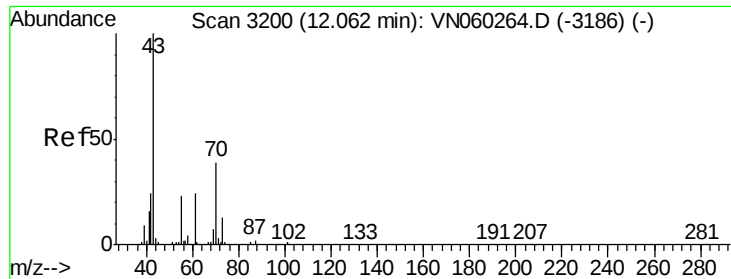


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: 0.664 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060458.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

TP-3

Tgt Ion: 43 Resp: 3224

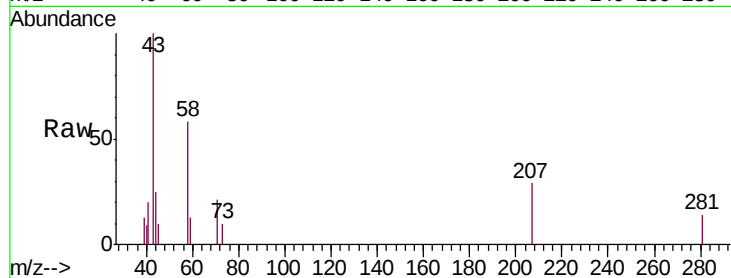
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

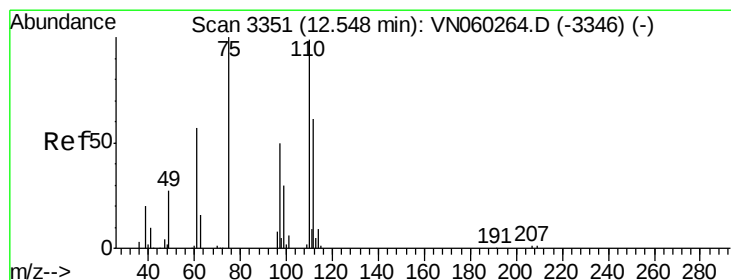
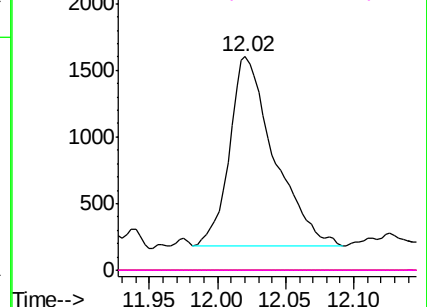
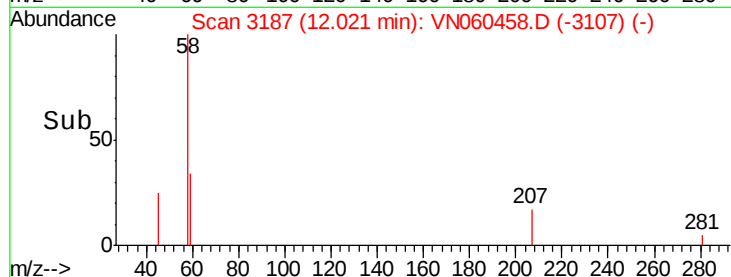


Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-3186) (-)

Ion 70.00 (69.70 to 70.70): VN060264.D (-3186) (-)

Ion 55.00 (54.70 to 55.70): VN060264.D (-3186) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-3186) (-)



#76

1,2,3-Trichloropropane

Concen: 24.044 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060458.D

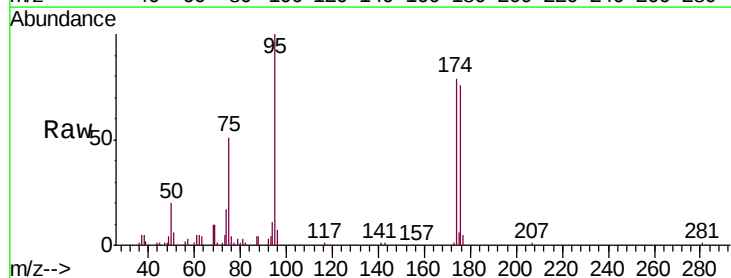
Acq: 11 Mar 2020 18:13

Tgt Ion: 75 Resp: 79041

Ion Ratio Lower Upper

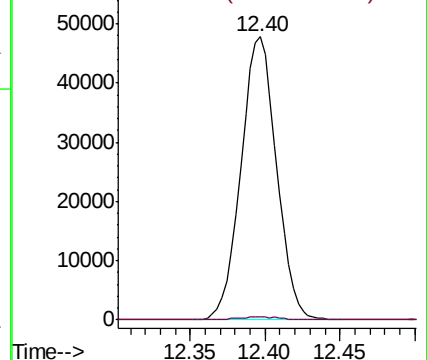
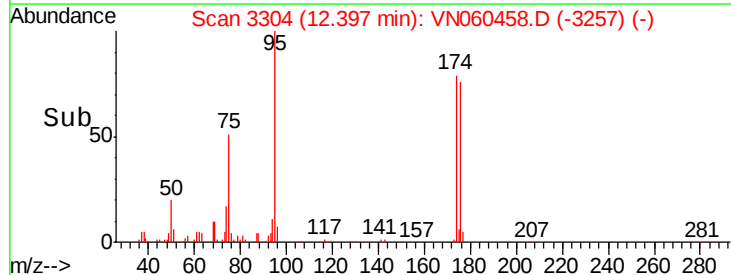
75 100

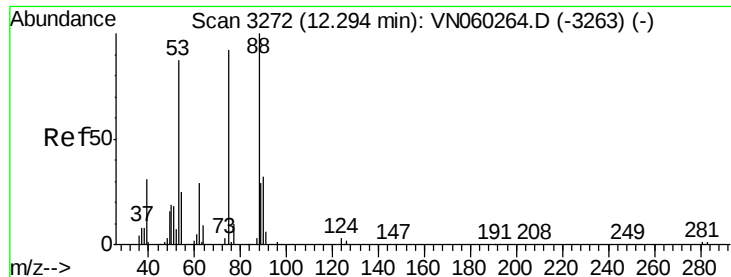
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060264.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060264.D (-3346) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 66.373 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060458.D

Acq: 11 Mar 2020 18:13

Instrument :

MSVOA_N

ClientSampled :

TP-3

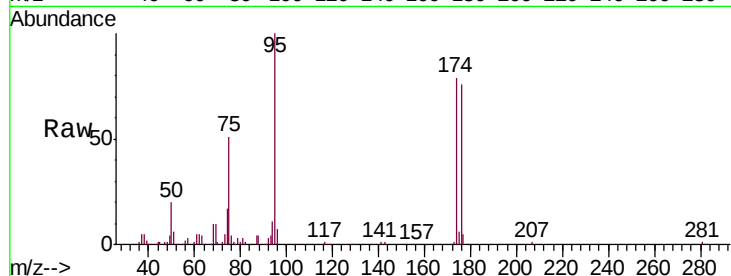
Tgt Ion: 75 Resp: 79041

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

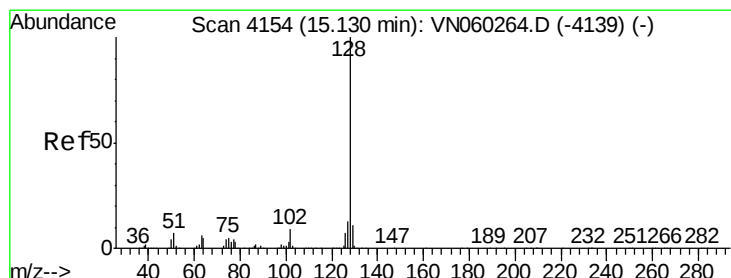
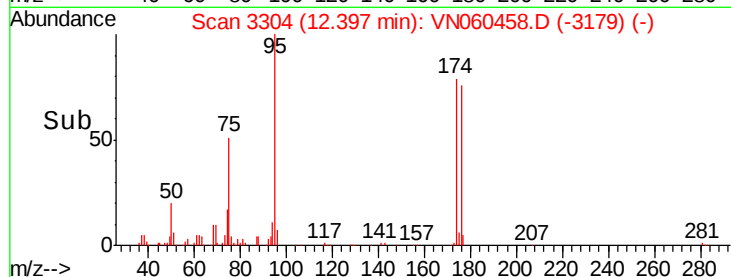
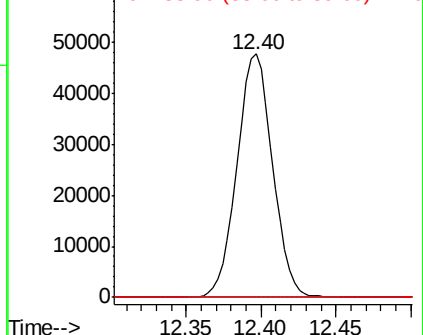
89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060458.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060458.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060458.D (-3179) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN060458.D

Acq: 11 Mar 2020 18:13

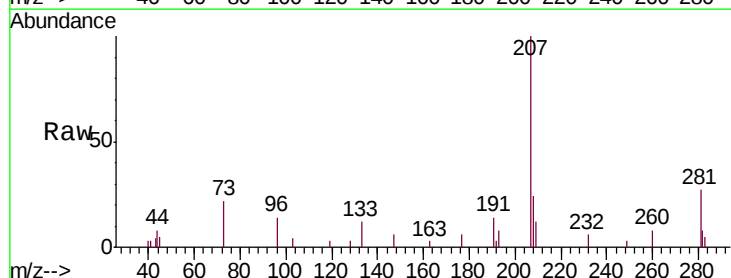
Tgt Ion: 128 Resp: 97

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN060458.D (-4060) (-)

Ion 127.00 (126.70 to 127.70): VN060458.D (-4060) (-)

Ion 129.00 (128.70 to 129.70): VN060458.D (-4060) (-)

