

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030420\
 Data File : VN060353.D
 Acq On : 4 Mar 2020 16:57
 Operator : JC/MD
 Sample : L1775-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CR-2

Quant Time: Mar 05 05:12:08 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	186205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	303596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	291889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141830	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	119833	50.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.32%	
35) Dibromofluoromethane	7.57	113	88688	62.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.88%	
50) Toluene-d8	10.08	98	377113	52.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.76%	
62) 4-Bromofluorobenzene	12.40	95	146160	54.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.12%	

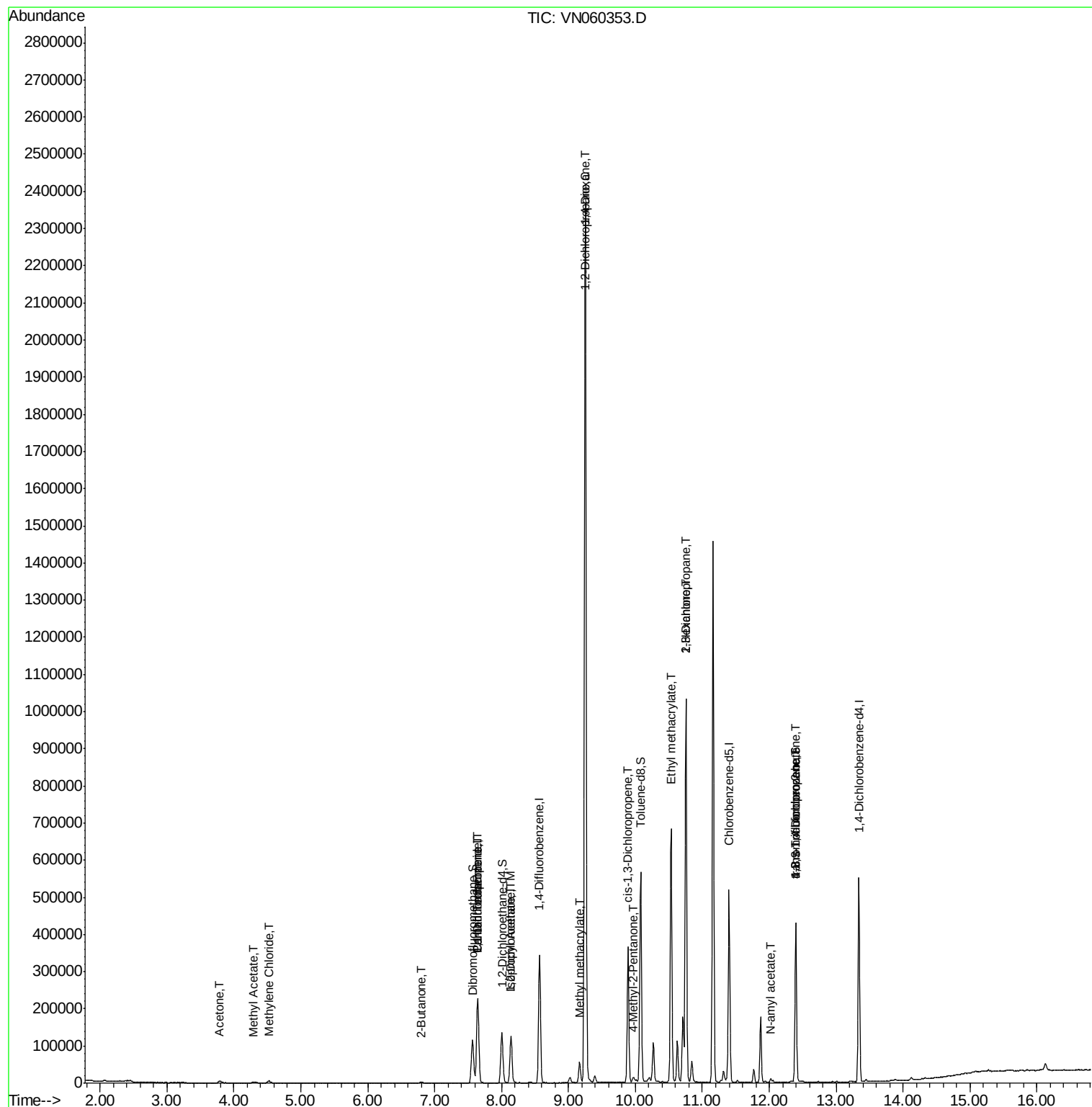
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	9926	12.866	ug/l	91
18) Methyl Acetate	4.30	43	4262	1.655	ug/l #	87
20) Methylene Chloride	4.52	84	4279	2.020	ug/l	96
25) 2-Butanone	6.80	43	2501	2.007	ug/l #	87
31) Cyclohexane	7.64	56	3876	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14848	5.132	ug/l #	47
38) Carbon Tetrachloride	7.64	117	18124	6.434	ug/l #	15
42) 1,2-Dichloroethane	8.14	62	652	0.215	ug/l #	76
43) Isopropyl Acetate	8.14	43	150069	31.288	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	2906	1.320	ug/l #	44
48) Methyl methacrylate	9.16	41	7532	3.444	ug/l #	13
49) 1,4-Dioxane	9.24	88	60	1.951	ug/l #	22
51) 4-Methyl-2-Pentanone	9.97	43	9436	3.470	ug/l	99
54) cis-1,3-Dichloropropene	9.89	75	64667	17.528	ug/l #	59
56) Ethyl methacrylate	10.54	69	1304	0.427	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	10436	3.008	ug/l #	42
59) 2-Hexanone	10.75	43	156151	78.206	ug/l #	51
74) N-amyl acetate	12.02	43	7963	1.734	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	74702	24.006	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	74702	66.269	ug/l #	8
95) Naphthalene	15.14	128	261	Below Cal	#	69

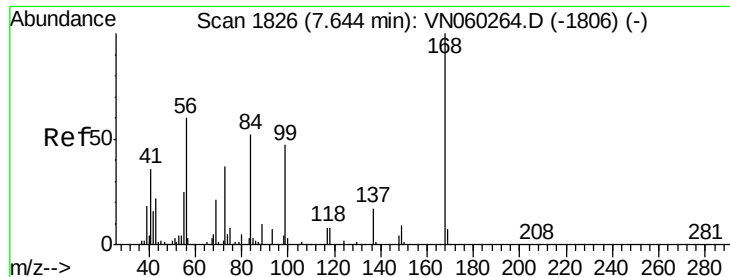
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN030420\
Data File : VN060353.D
Acq On : 4 Mar 2020 16:57
Operator : JC/MD
Sample : L1775-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
CR-2

Quant Time: Mar 05 05:12:08 2020
Quant Method : Z:\V0ASRV\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# 1826

Delta R.T. 0.00 min

Lab File: VN060353.D

Acq: 4 Mar 2020 16:57

Instrument :

MSVOA_N

ClientSampled :

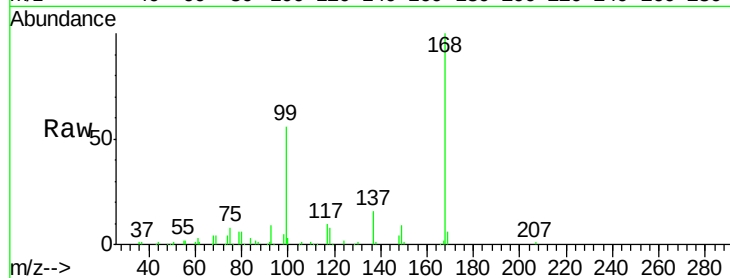
CR-2

Tgt Ion:168 Resp: 186205

Ion Ratio Lower Upper

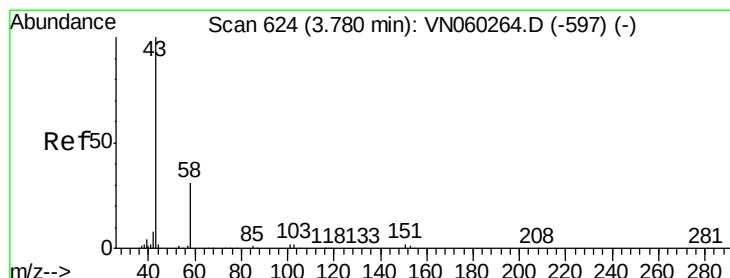
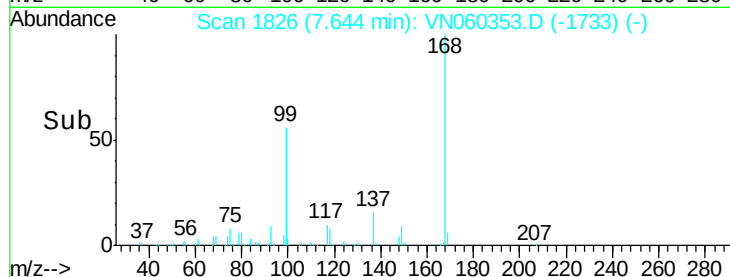
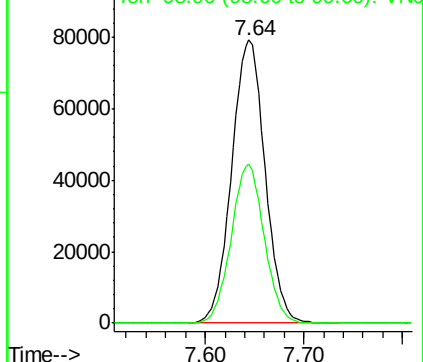
168 100

99 56.1 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 12.866 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060353.D

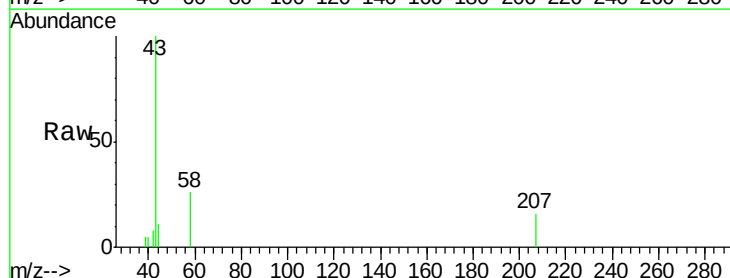
Acq: 4 Mar 2020 16:57

Tgt Ion: 43 Resp: 9926

Ion Ratio Lower Upper

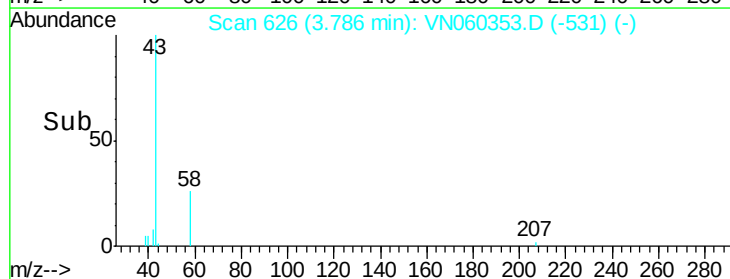
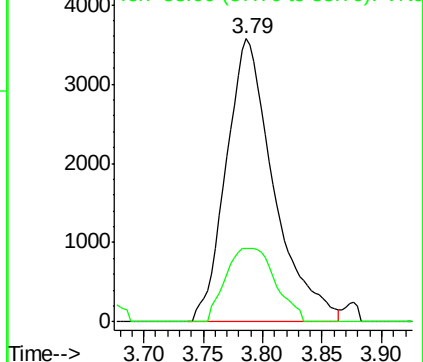
43 100

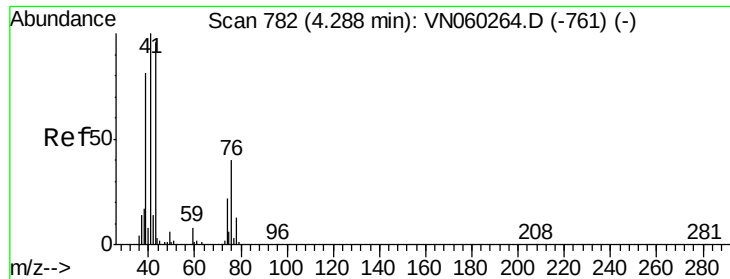
58 25.7 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

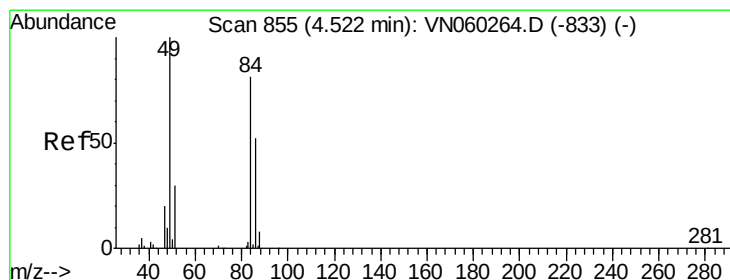
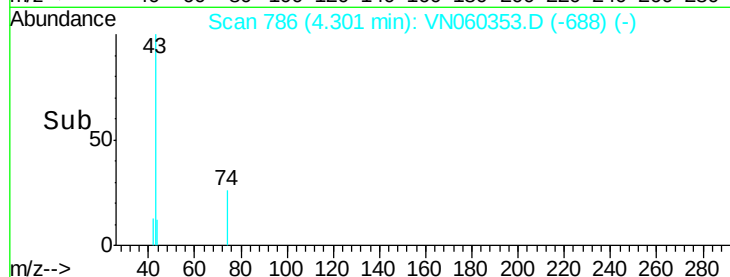
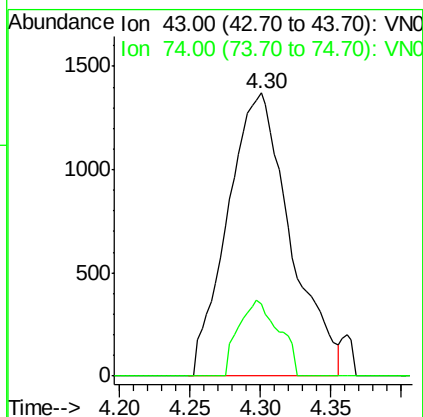
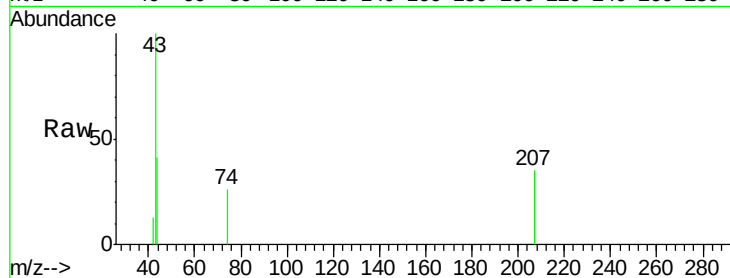




#18
Methyl Acetate
Concen: 1.655 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060353.D
Acq: 4 Mar 2020 16:57

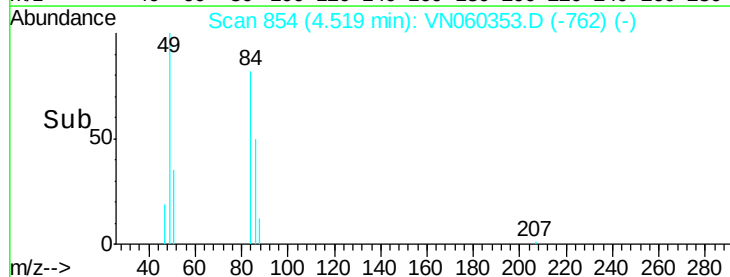
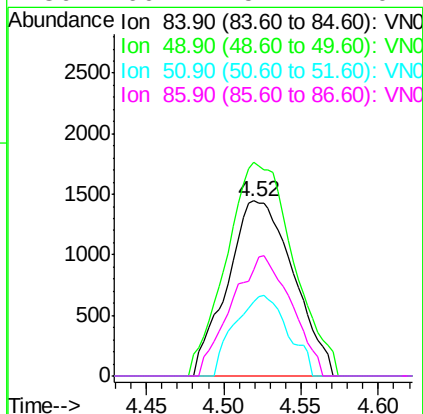
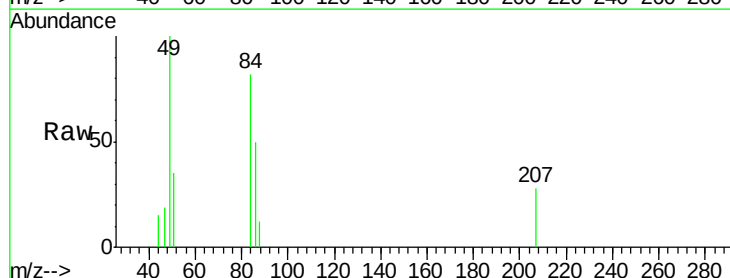
Instrument :
MSVOA_N
ClientSampled :
CR-2

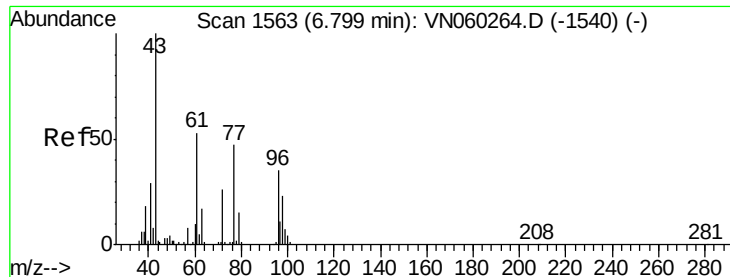
Tgt Ion: 43 Resp: 4262
Ion Ratio Lower Upper
43 100
74 17.4 18.8 28.2#



#20
Methylene Chloride
Concen: 2.020 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060353.D
Acq: 4 Mar 2020 16:57

Tgt Ion: 84 Resp: 4279
Ion Ratio Lower Upper
84 100
49 122.2 99.3 148.9
51 42.7 30.1 45.1
86 60.7 51.1 76.7

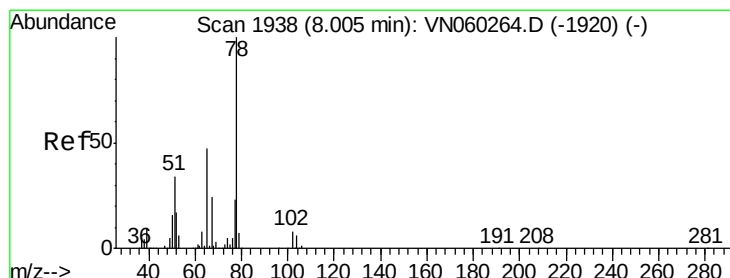
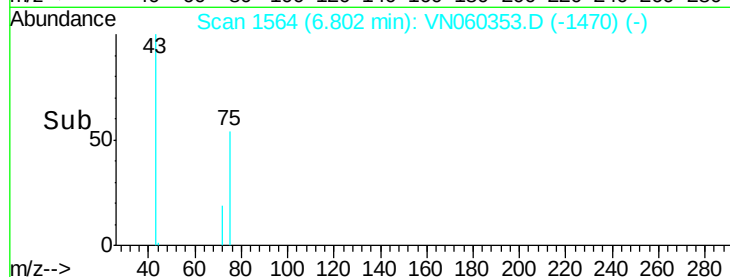
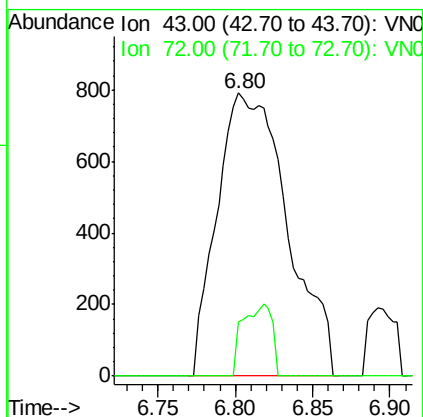
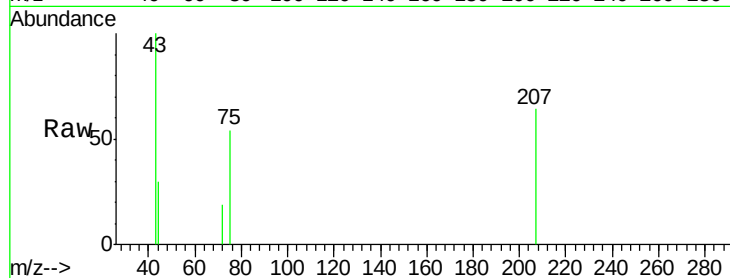




#25
2-Butanone
Concen: 2.007 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN060353.D
Acq: 4 Mar 2020 16:57

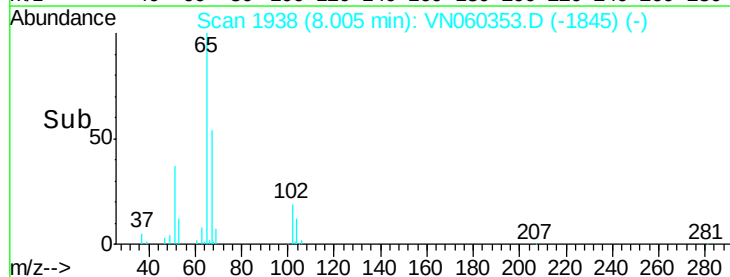
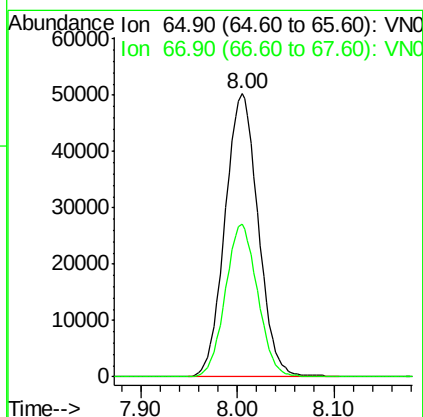
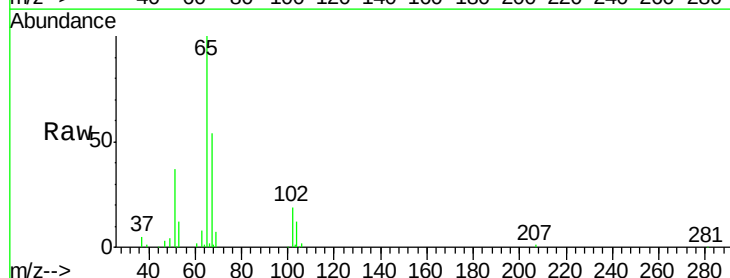
Instrument :
MSVOA_N
ClientSampled :
CR-2

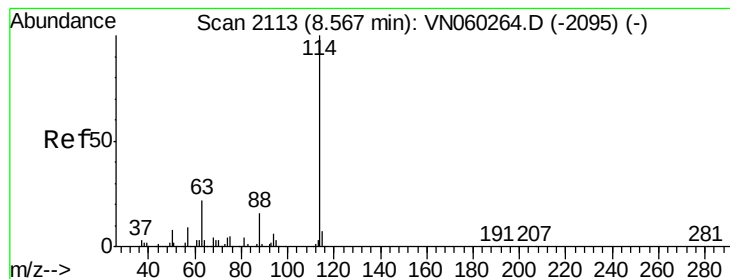
Tgt Ion: 43 Resp: 2501
Ion Ratio Lower Upper
43 100
72 19.3 20.9 31.3#



#33
1,2-Dichloroethane-d4
Concen: 50.160 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060353.D
Acq: 4 Mar 2020 16:57

Tgt Ion: 65 Resp: 119833
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.8

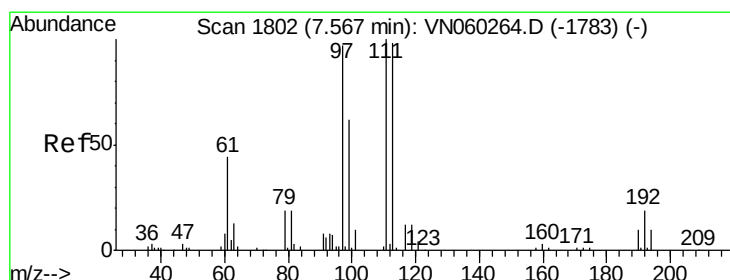
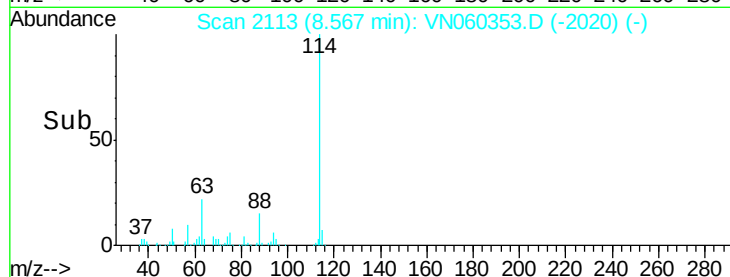
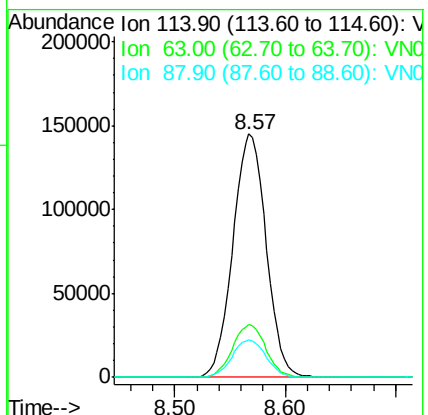
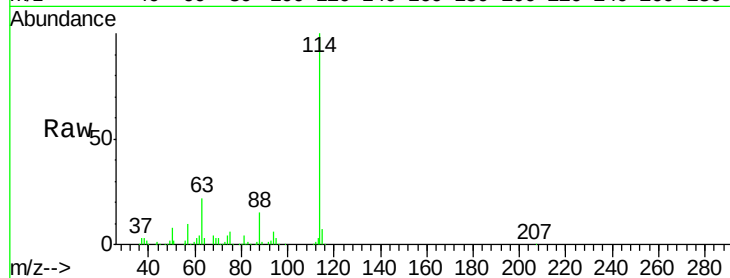




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060353.D
 Acq: 4 Mar 2020 16:57

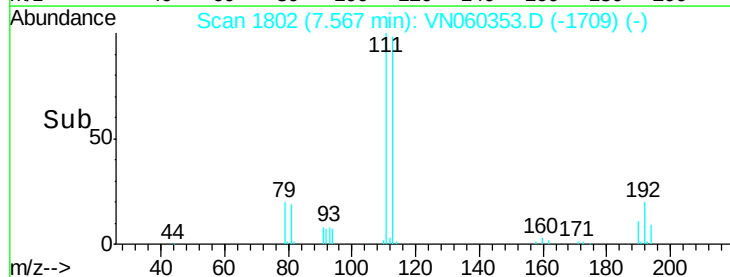
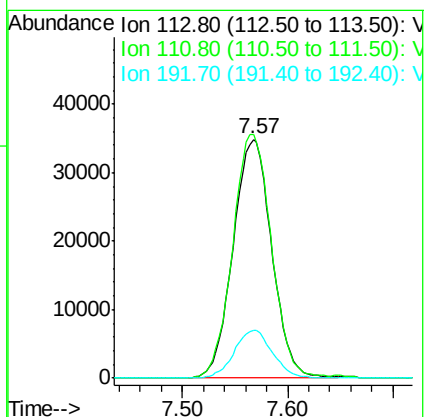
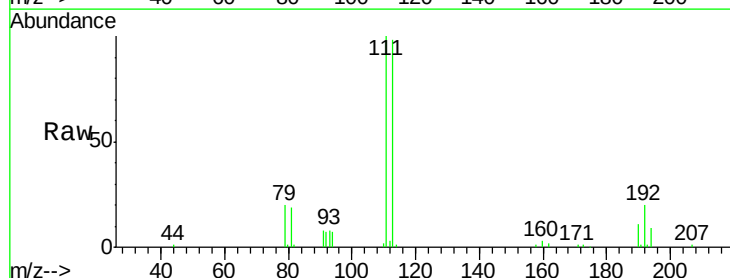
Instrument :
 MSVOA_N
 ClientSampleId :
 CR-2

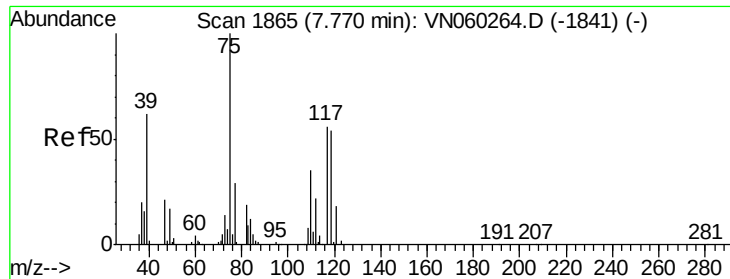
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	15.5	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 62.935 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060353.D
 Acq: 4 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	19.7	16.2	24.2

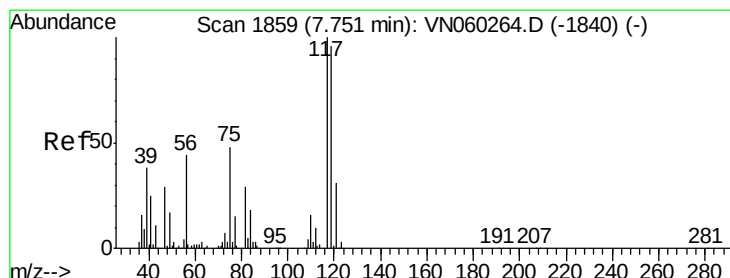
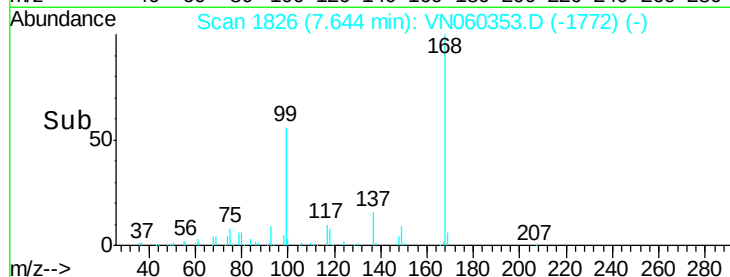
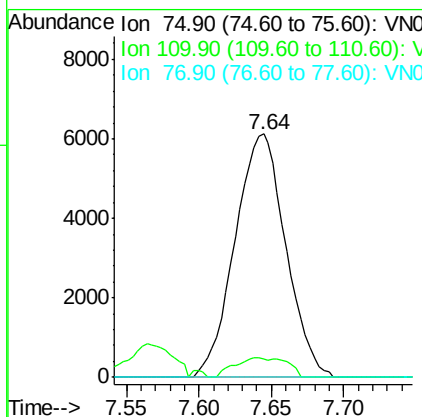
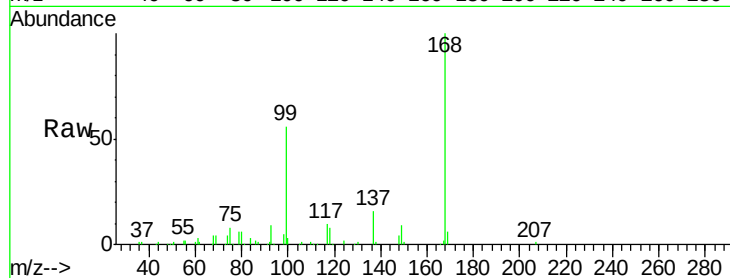




#36
 1,1-Dichloropropene
 Concen: 5.132 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060353.D
 Acq: 4 Mar 2020 16:57

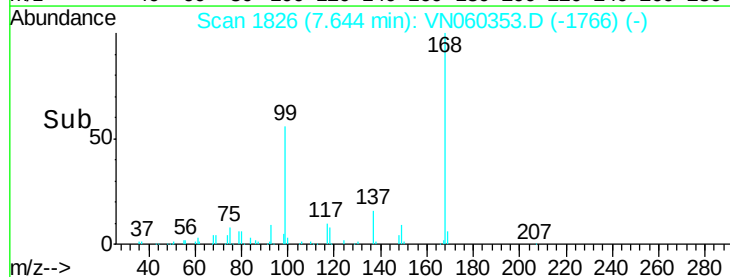
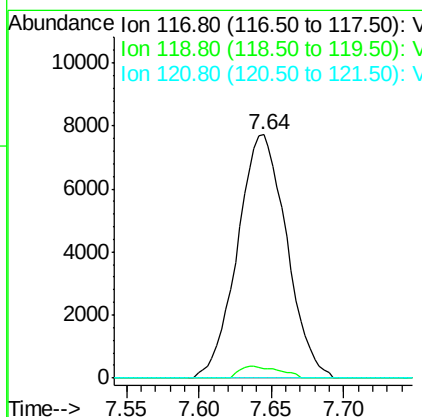
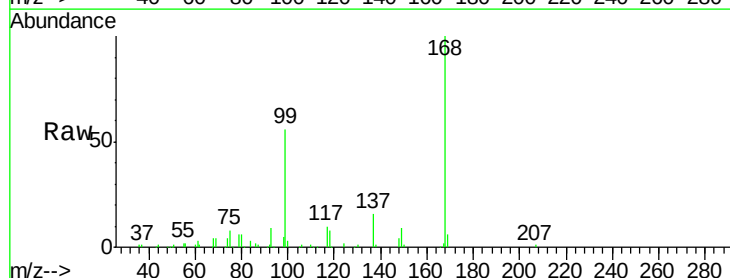
Instrument :
 MSVOA_N
 ClientSampleId :
 CR-2

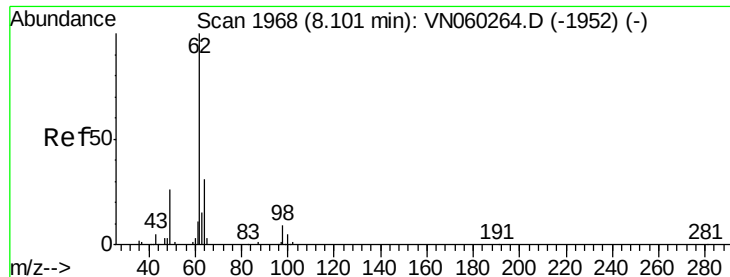
Tgt Ion: 75 Resp: 14848
 Ion Ratio Lower Upper
 75 100
 110 5.3 17.3 52.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.434 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060353.D
 Acq: 4 Mar 2020 16:57

Tgt Ion: 117 Resp: 18124
 Ion Ratio Lower Upper
 117 100
 119 4.1 76.7 115.1#
 121 0.0 24.5 36.7#

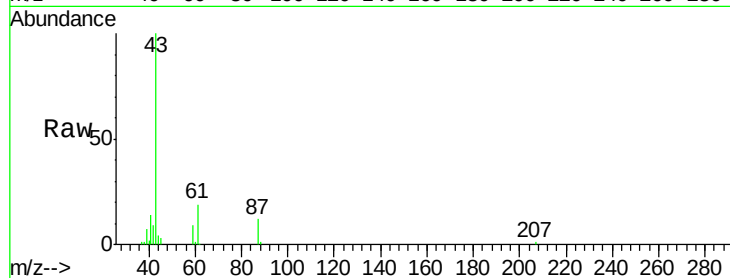




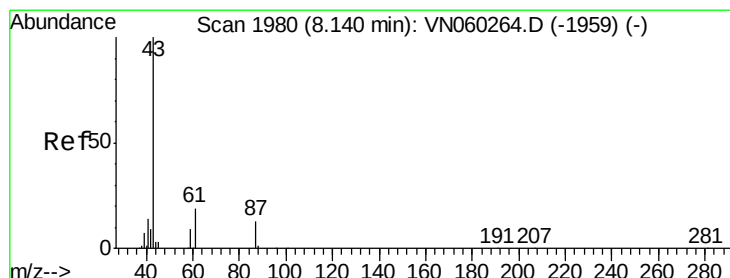
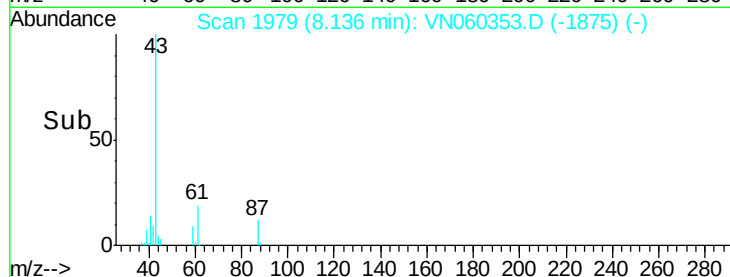
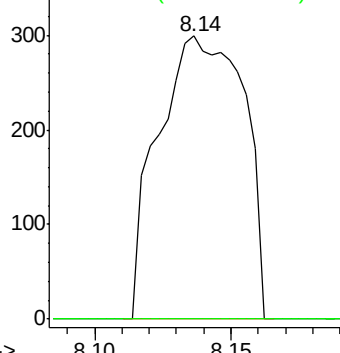
#42
 1,2-Dichloroethane
 Concen: 0.215 ug/l
 RT: 8.14 min Scan# 1979
 Delta R.T. 0.04 min
 Lab File: VN060353.D
 Acq: 4 Mar 2020 16:57

Instrument :
 MSVOA_N
 ClientSampled :
 CR-2

Tgt Ion: 62 Resp: 652
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 17.0

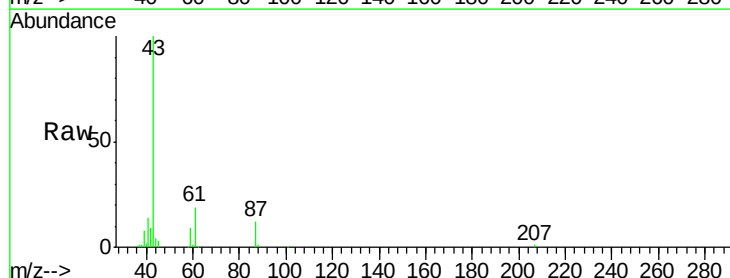


Abundance Ion 61.90 (61.60 to 62.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

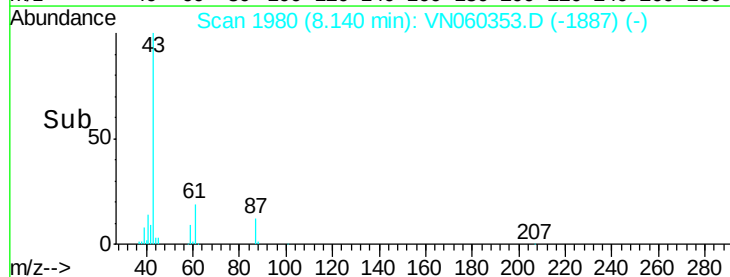
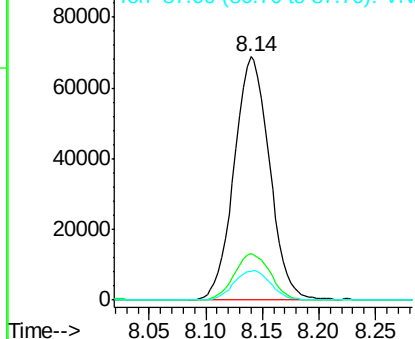


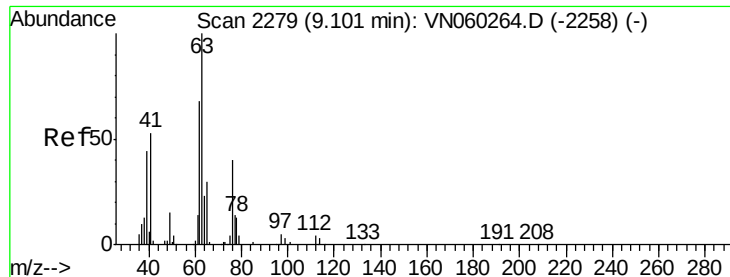
#43
 Isopropyl Acetate
 Concen: 31.288 ug/l
 RT: 8.14 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VN060353.D
 Acq: 4 Mar 2020 16:57

Tgt Ion: 43 Resp: 150069
 Ion Ratio Lower Upper
 43 100
 61 19.5 20.9 31.3#
 87 12.5 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0

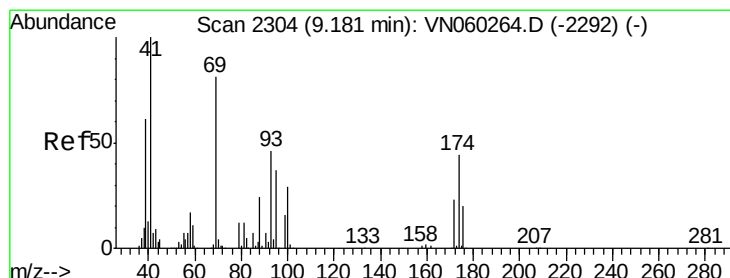
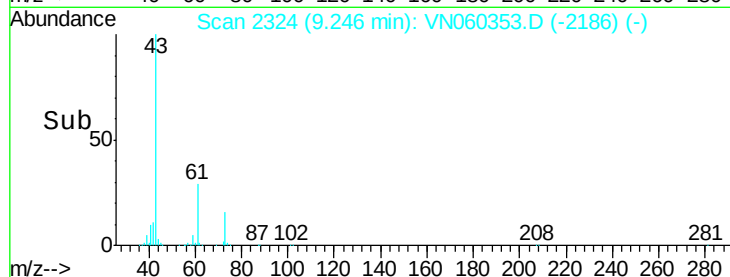
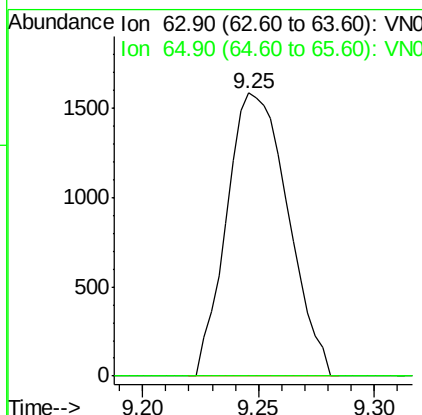
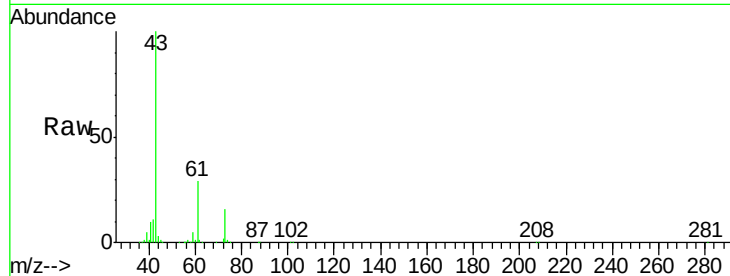




#45
 1,2-Dichloropropane
 Concen: 1.320 ug/l
 RT: 9.25 min Scan# 2324
 Delta R.T. 0.14 min
 Lab File: VN060353.D
 Acq: 4 Mar 2020 16:57

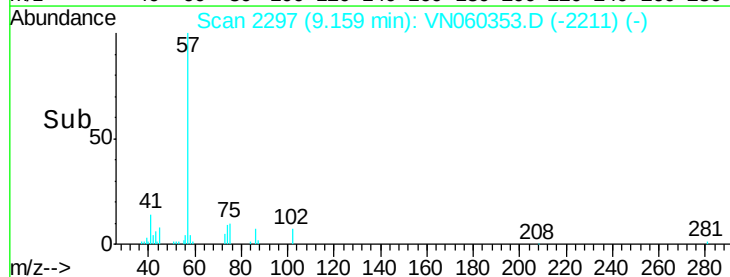
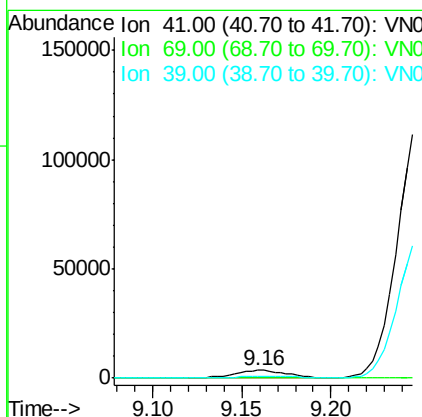
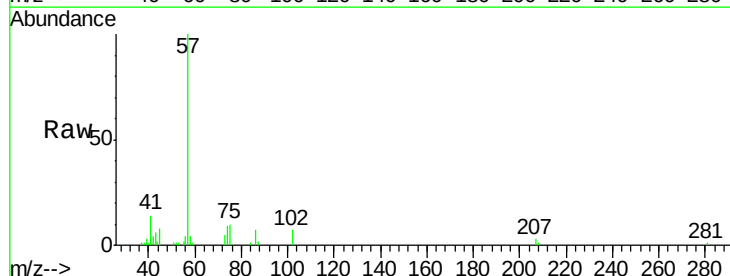
Instrument :
 MSVOA_N
 ClientSampleId :
 CR-2

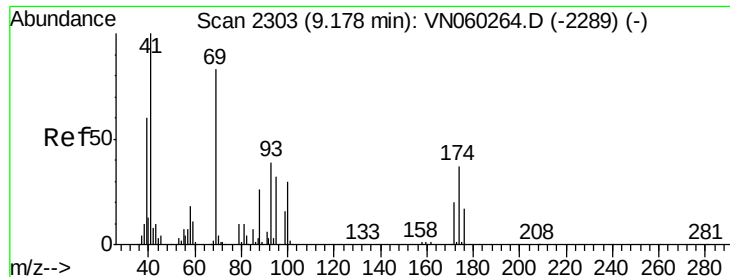
Tgt Ion: 63 Resp: 2906
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 3.444 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060353.D
 Acq: 4 Mar 2020 16:57

Tgt Ion: 41 Resp: 7532
 Ion Ratio Lower Upper
 41 100
 69 0.0 66.7 100.1#
 39 0.0 50.1 75.1#

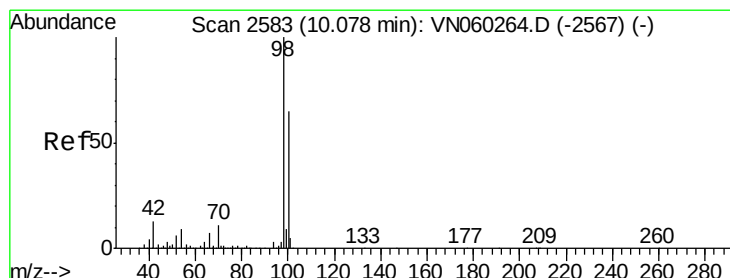
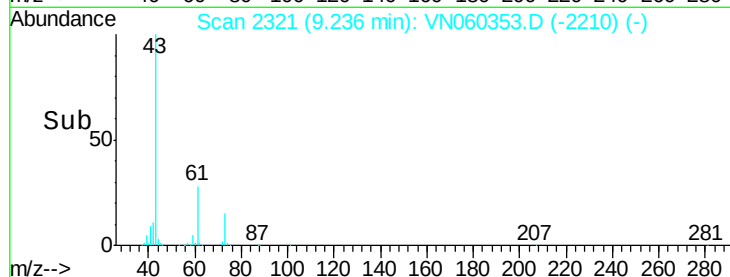
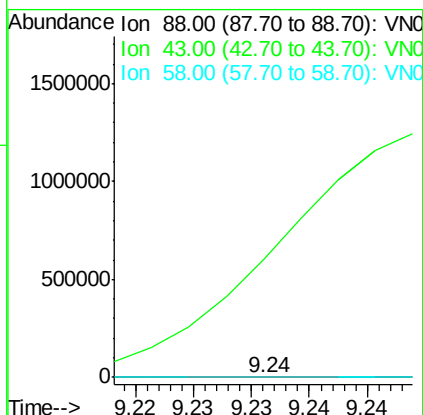
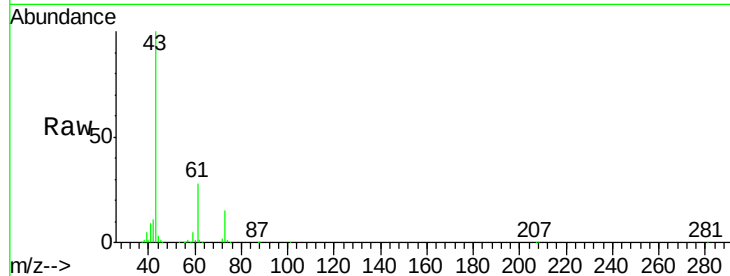




#49
1,4-Dioxane
Concen: 1.951 ug/l
RT: 9.24 min Scan# 2321
Delta R.T. 0.06 min
Lab File: VN060353.D
Acq: 4 Mar 2020 16:57

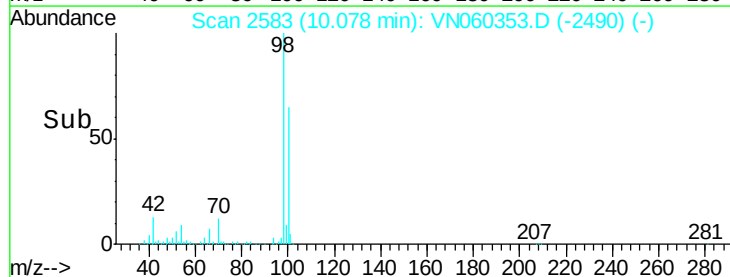
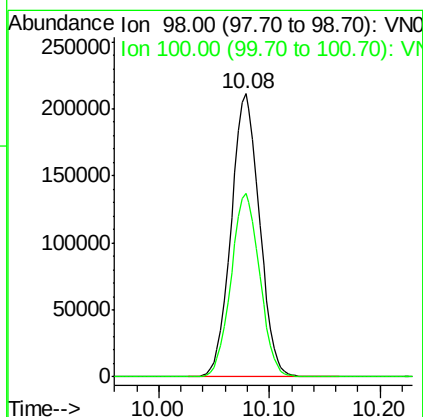
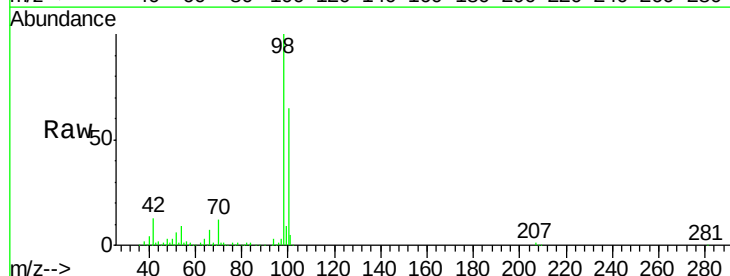
Instrument :
MSVOA_N
ClientSampled :
CR-2

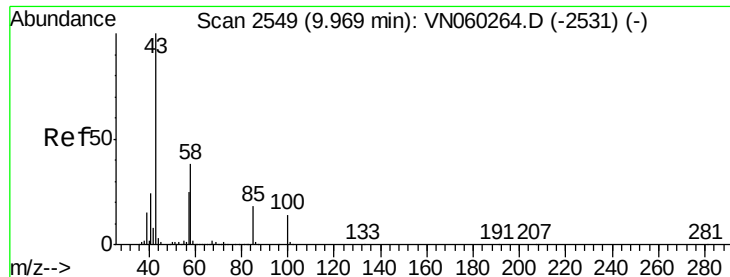
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 30.4 45.6#
58 0.0 57.0 85.6#



#50
Toluene-d8
Concen: 52.875 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060353.D
Acq: 4 Mar 2020 16:57

Tgt Ion: 98 Resp: 377113
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 3.470 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060353.D

Acq: 4 Mar 2020 16:57

Instrument :

MSVOA_N

ClientSampled :

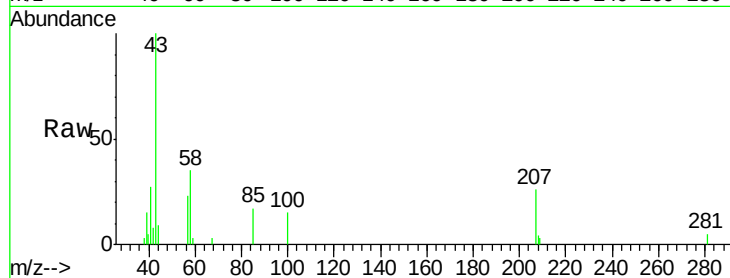
CR-2

Tgt Ion: 43 Resp: 9436

Ion Ratio Lower Upper

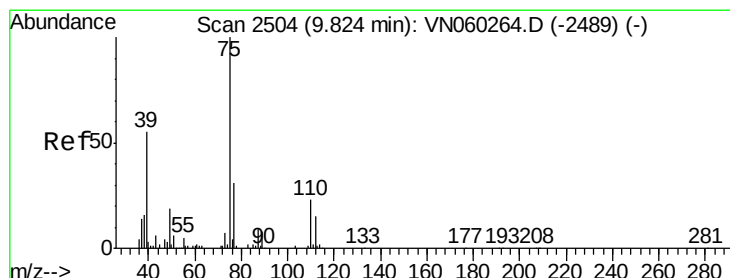
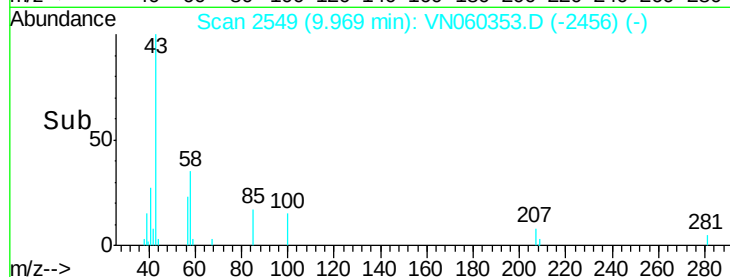
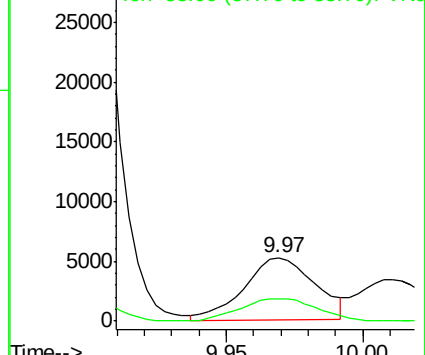
43 100

58 39.4 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.528 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060353.D

Acq: 4 Mar 2020 16:57

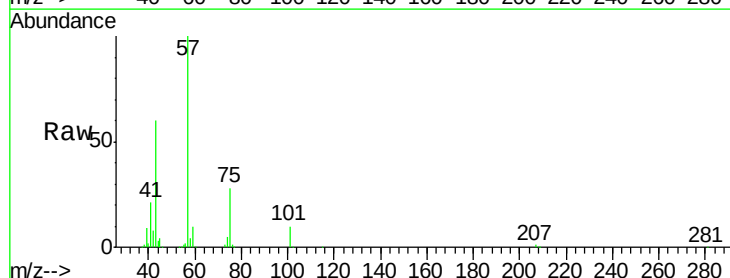
Tgt Ion: 75 Resp: 64667

Ion Ratio Lower Upper

75 100

77 0.4 24.8 37.2#

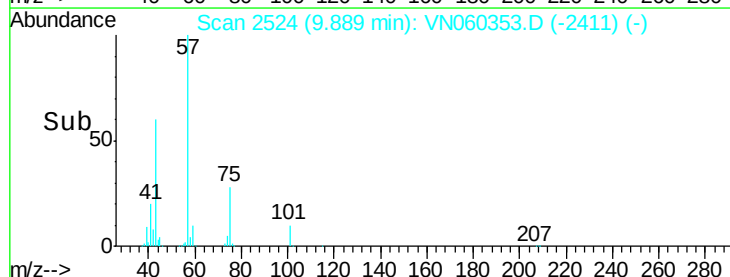
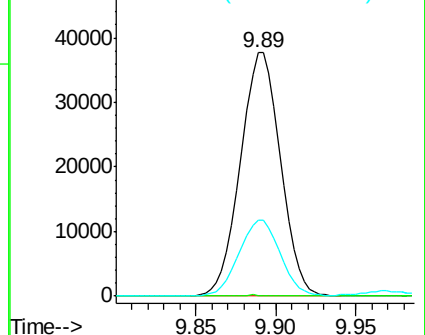
39 31.4 43.8 65.8#

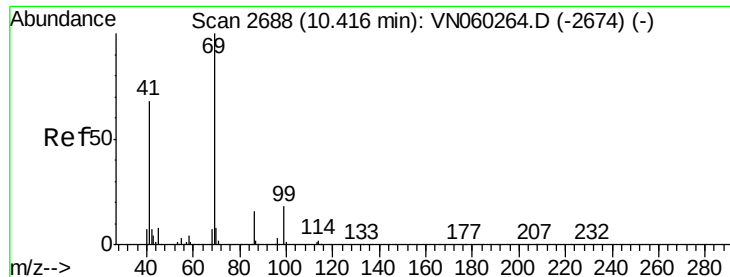


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.427 ug/l

RT: 10.54 min Scan# 2726

Delta R.T. 0.12 min

Lab File: VN060353.D

Acq: 4 Mar 2020 16:57

Instrument :

MSVOA_N

ClientSampleId :

CR-2

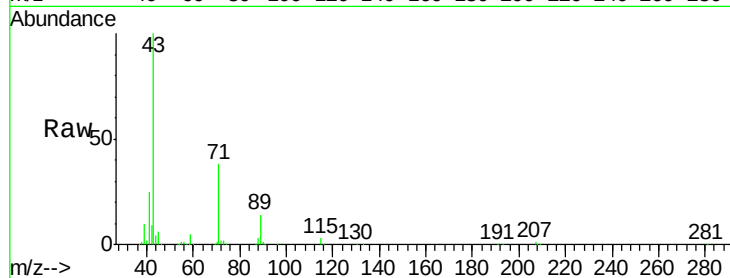
Tgt Ion: 69 Resp: 1304

Ion Ratio Lower Upper

69 100

41 9610.0 54.1 81.1#

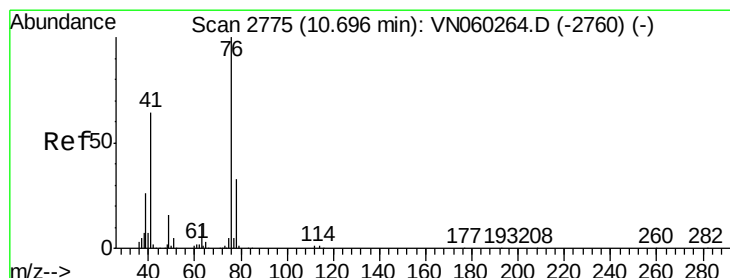
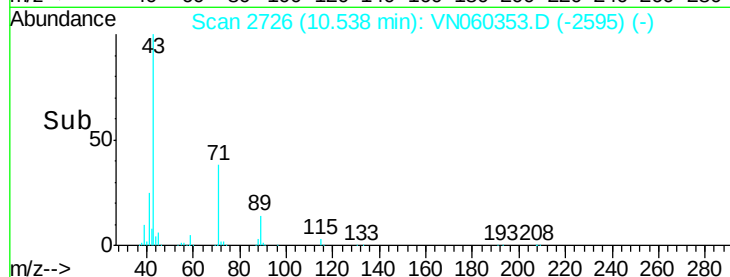
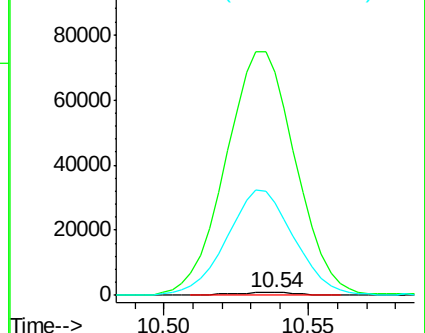
39 4022.7 32.5 48.7#



Abundance Ion 69.00 (68.70 to 69.70): VN060353.D (-2595) (-)

Ion 41.00 (40.70 to 41.70): VN060353.D (-2595) (-)

Ion 39.00 (38.70 to 39.70): VN060353.D (-2595) (-)



#57

1,3-Dichloropropane

Concen: 3.008 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060353.D

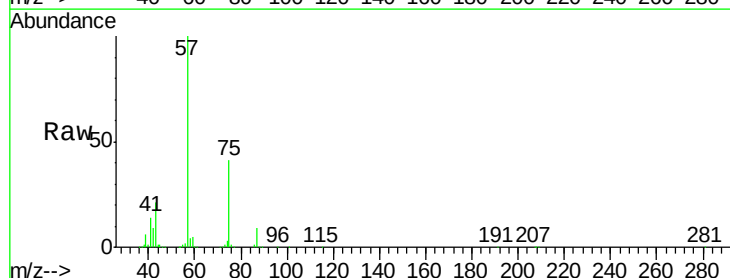
Acq: 4 Mar 2020 16:57

Tgt Ion: 76 Resp: 10436

Ion Ratio Lower Upper

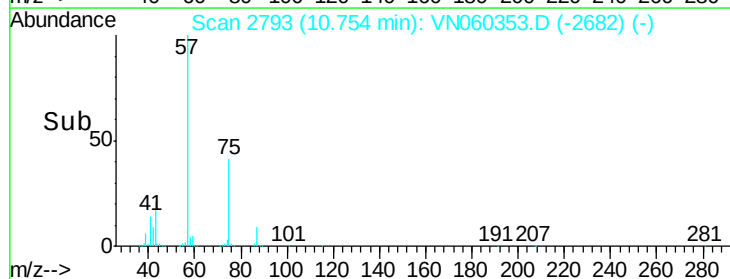
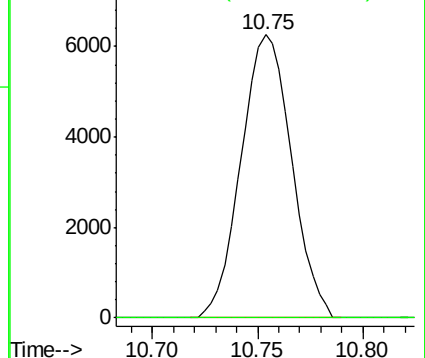
76 100

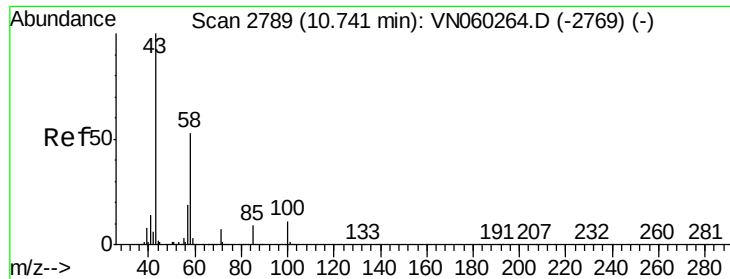
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN060353.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060353.D (-2682) (-)





#59

2-Hexanone

Concen: 78.206 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060353.D

Acq: 4 Mar 2020 16:57

Instrument :

MSVOA_N

ClientSampled :

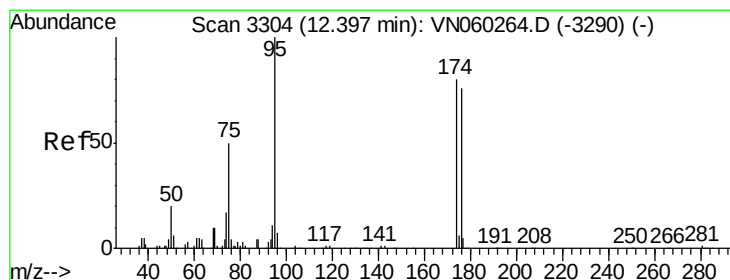
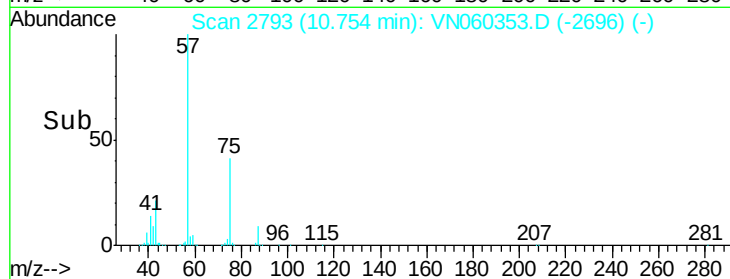
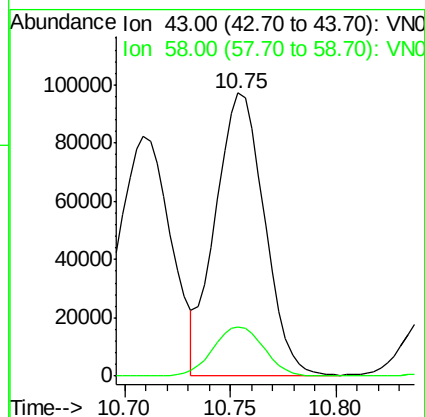
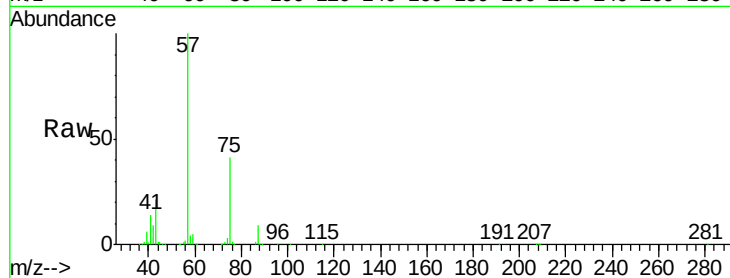
CR-2

Tgt Ion: 43 Resp: 156151

Ion Ratio Lower Upper

43 100

58 18.3 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 54.061 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060353.D

Acq: 4 Mar 2020 16:57

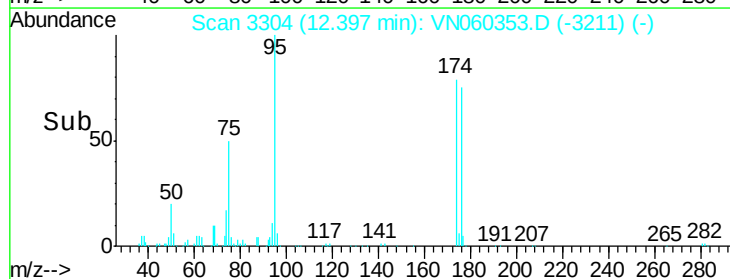
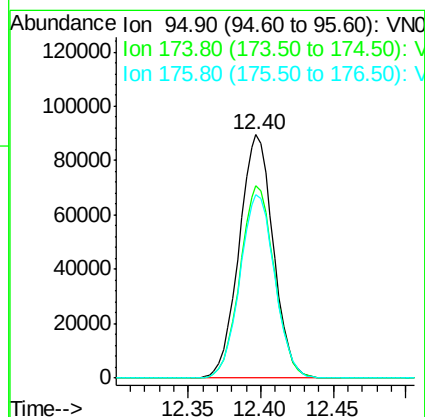
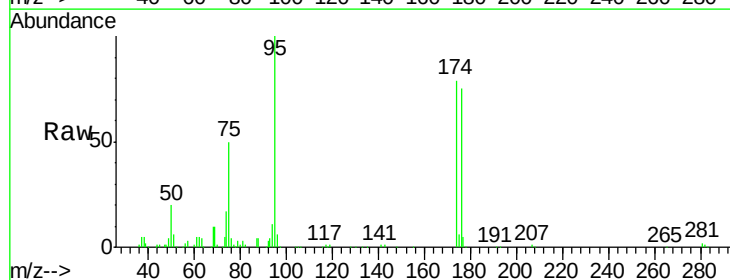
Tgt Ion: 95 Resp: 146160

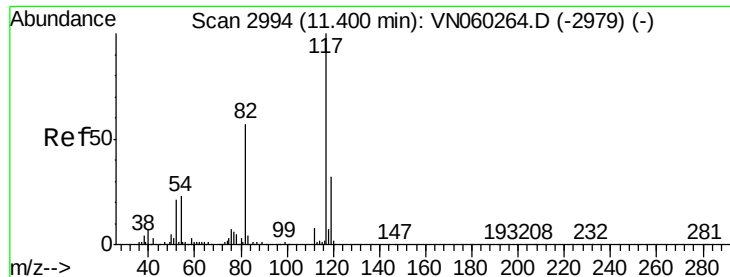
Ion Ratio Lower Upper

95 100

174 79.5 0.0 159.2

176 77.1 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: VN060353.D

Acq: 4 Mar 2020 16:57

Instrument :

MSVOA_N

ClientSampled :

CR-2

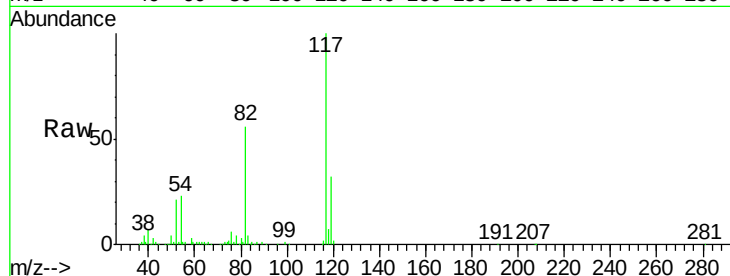
Tgt Ion:117 Resp: 291889

Ion Ratio Lower Upper

117 100

82 56.3 45.8 68.6

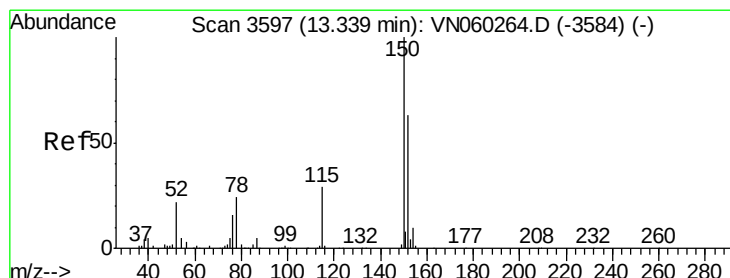
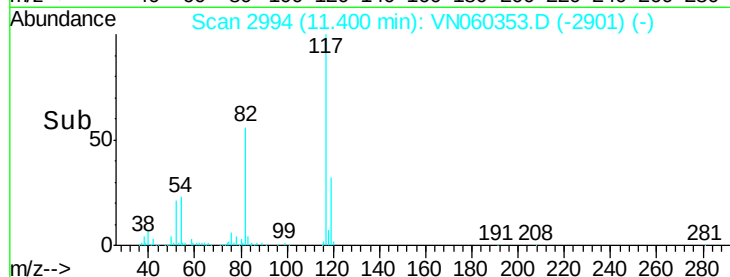
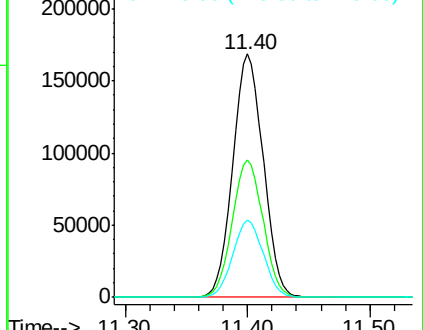
119 31.6 25.8 38.8



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: VN060353.D

Acq: 4 Mar 2020 16:57

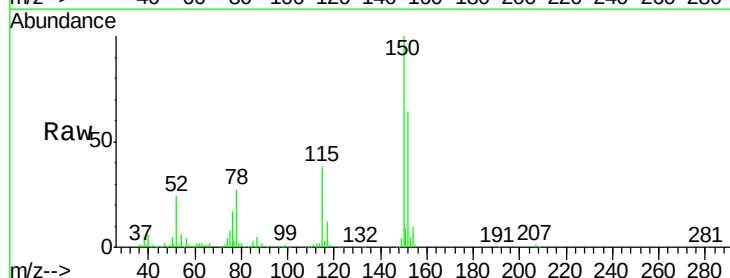
Tgt Ion:152 Resp: 141830

Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.0

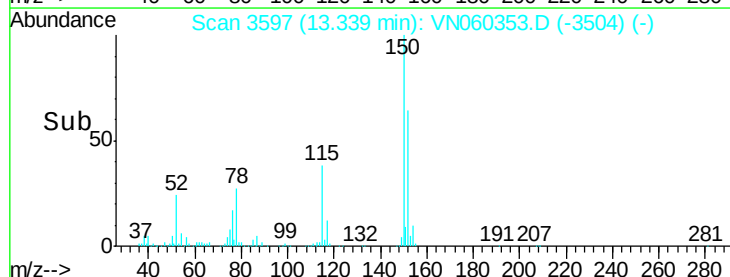
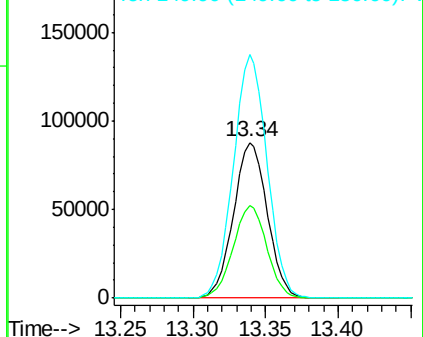
150 156.3 0.0 349.6

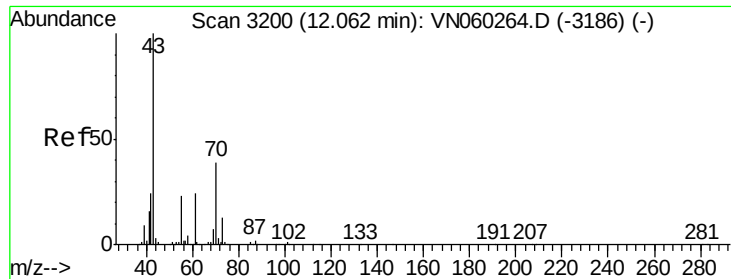


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

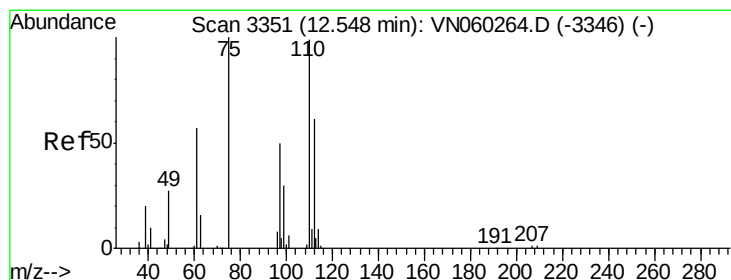
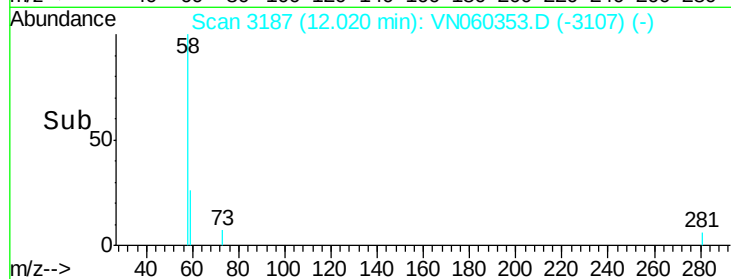
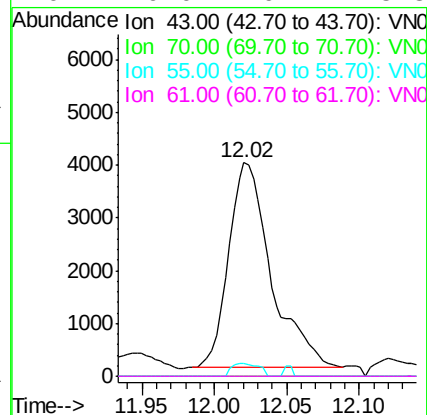
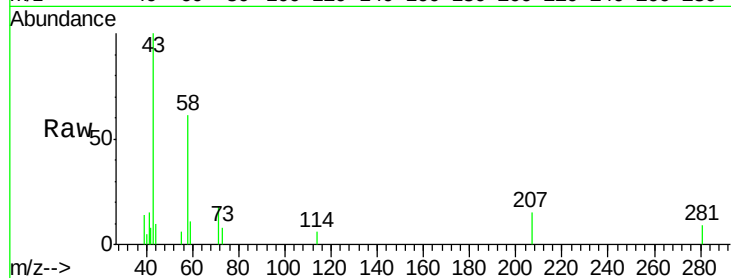




#74
N-amyI acetate
Concen: 1.734 ug/l
RT: 12.02 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VN060353.D
Acq: 4 Mar 2020 16:57

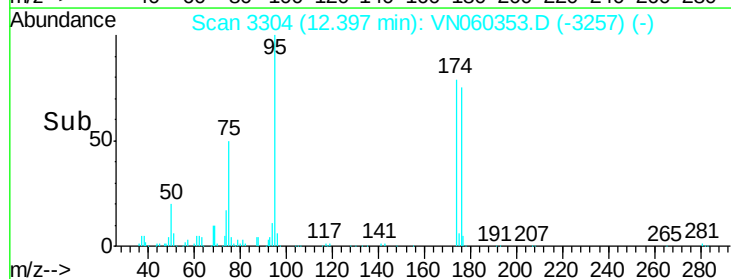
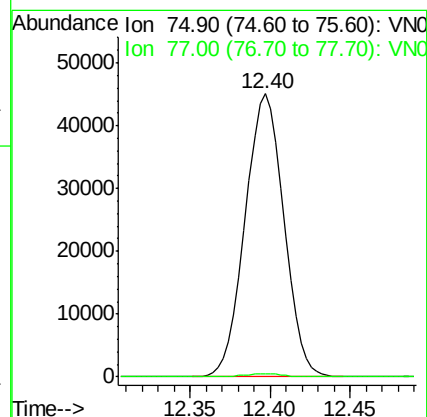
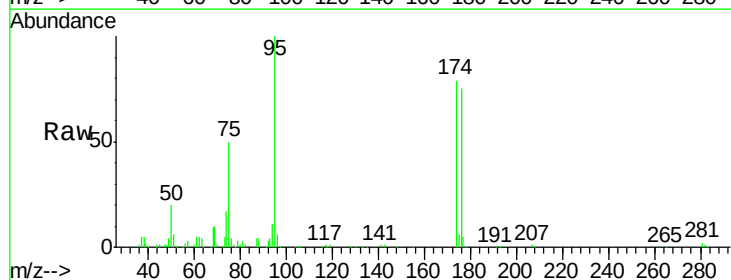
Instrument :
MSVOA_N
ClientSampleId :
CR-2

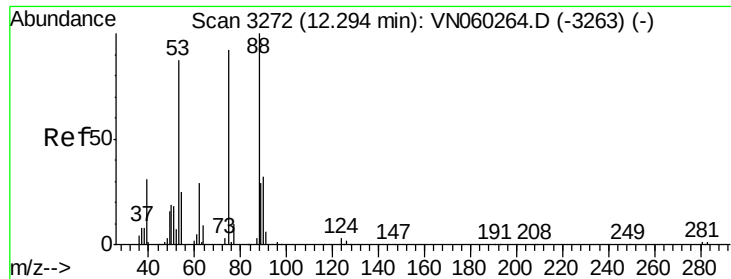
Tgt Ion:	43	Resp:	7963
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.2	48.2#
55	4.0	18.2	27.4#
61	0.0	19.2	28.8#



#76
1,2,3-Trichloropropane
Concen: 24.006 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060353.D
Acq: 4 Mar 2020 16:57

Tgt Ion:	75	Resp:	74702
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 66.269 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060353.D

Acq: 4 Mar 2020 16:57

Instrument :

MSVOA_N

ClientSampleId :

CR-2

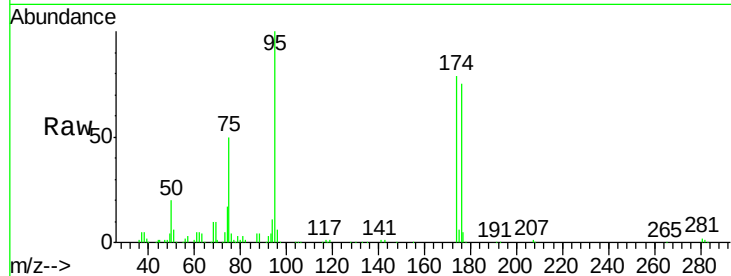
Tgt Ion: 75 Resp: 74702

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

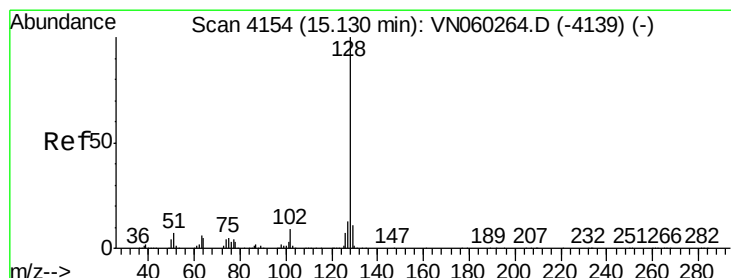
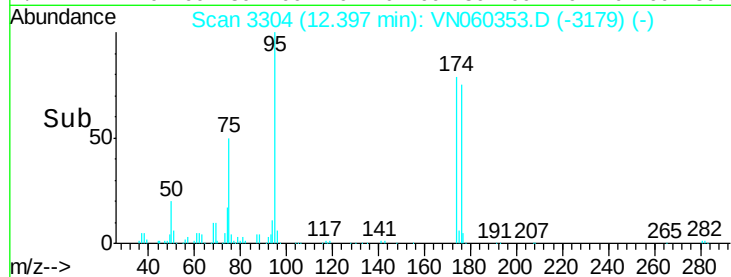
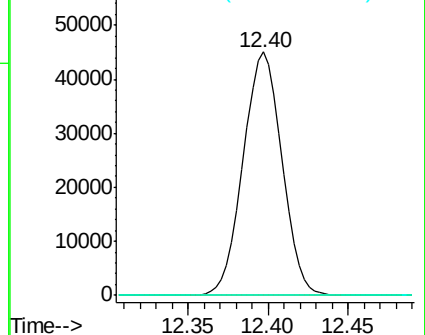
89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060353.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060353.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060353.D (-3179) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN060353.D

Acq: 4 Mar 2020 16:57

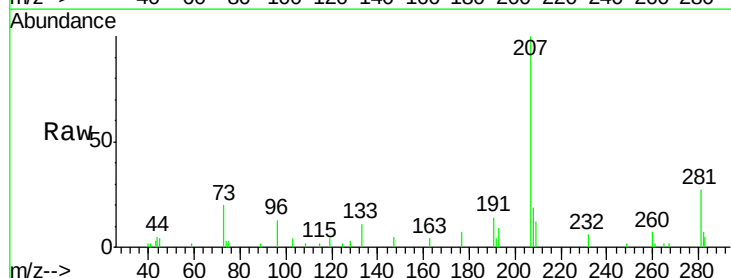
Tgt Ion: 128 Resp: 261

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): VN060353.D (-4060) (-)

Ion 127.00 (126.70 to 127.70): VN060353.D (-4060) (-)

Ion 129.00 (128.70 to 129.70): VN060353.D (-4060) (-)

