

Data File : VN060444.D
Acq On : 11 Mar 2020 12:56
Operator : JC/MD
Sample : L1853-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
CB-EC-52-S

Quant Time: Mar 12 03:36:26 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	206596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	337520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	318415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148950	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	132988	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	7.57	113	99919	63.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.56%	
50) Toluene-d8	10.08	98	415813	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
62) 4-Bromofluorobenzene	12.40	95	157027	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	

Target Compounds

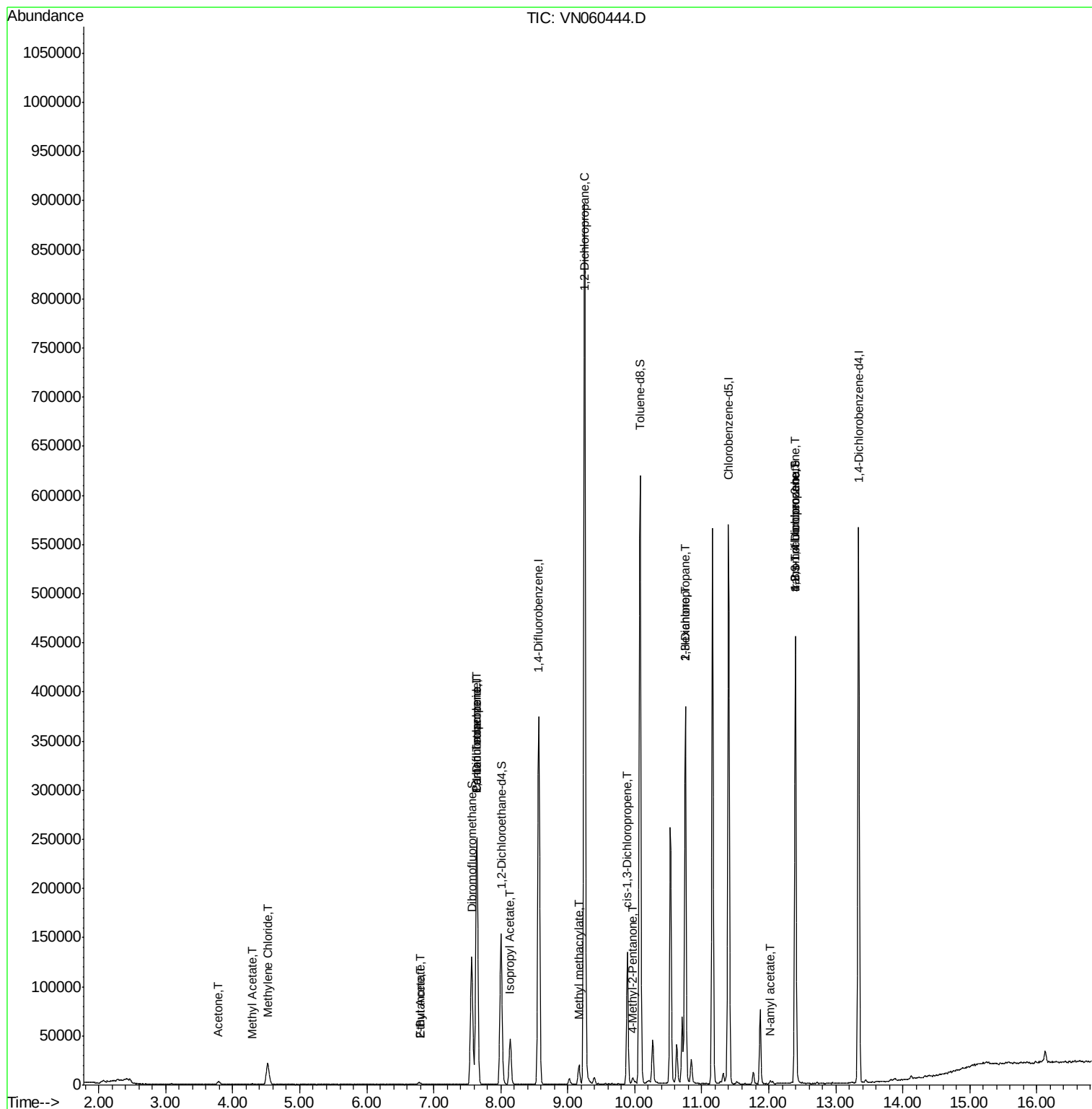
					Qvalue	
16) Acetone	3.79	43	6331	7.396	ug/l	98
17) Carbon Disulfide	4.03	76	30	Below Cal	#	75
18) Methyl Acetate	4.29	43	1690	0.592	ug/l #	52
20) Methylene Chloride	4.52	84	16444	6.995	ug/l	99
25) 2-Butanone	6.81	43	1214	0.878	ug/l #	49
31) Cyclohexane	7.64	56	4332	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15652	4.866	ug/l #	50
37) Ethyl Acetate	6.81	43	1214	0.399	ug/l #	68
38) Carbon Tetrachloride	7.64	117	19998	6.385	ug/l #	16
43) Isopropyl Acetate	8.14	43	56008	10.504	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1124	0.459	ug/l #	44
48) Methyl methacrylate	9.16	41	2787	1.146	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4573	1.513	ug/l	88
54) cis-1,3-Dichloropropene	9.89	75	23375	5.699	ug/l #	57
57) 1,3-Dichloropropane	10.75	76	3755	0.974	ug/l #	42
59) 2-Hexanone	10.75	43	56891	25.629	ug/l #	51
74) N-amyl acetate	12.02	43	2527	0.524	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	79083	24.199	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	79083	66.802	ug/l #	8
87) 1,3-Dichlorobenzene	13.36	146	102	Below Cal	#	33
88) 1,4-Dichlorobenzene	13.36	146	102	Below Cal	#	34
95) Naphthalene	15.13	128	630	Below Cal	#	69

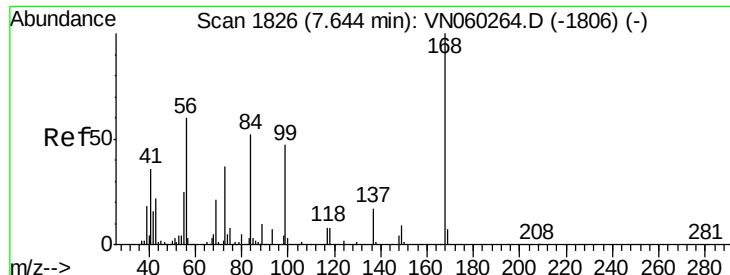
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060444.D

Acq: 11 Mar 2020 12:56

Instrument :

MSVOA_N

ClientSampleId :

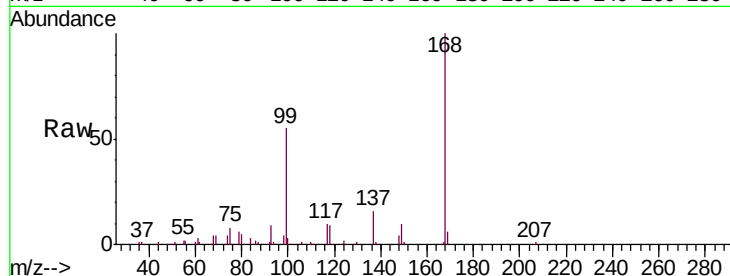
CB-EC-52-S

Tgt Ion:168 Resp: 206596

Ion Ratio Lower Upper

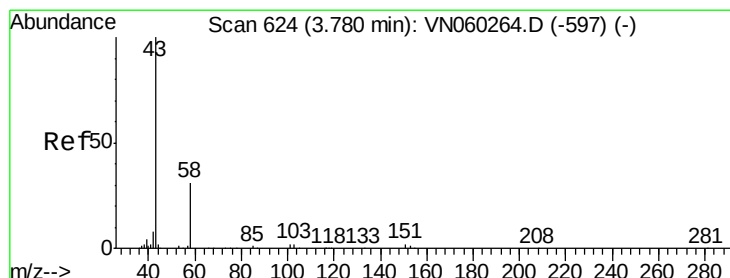
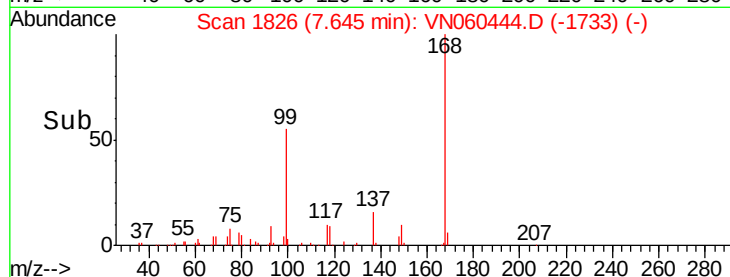
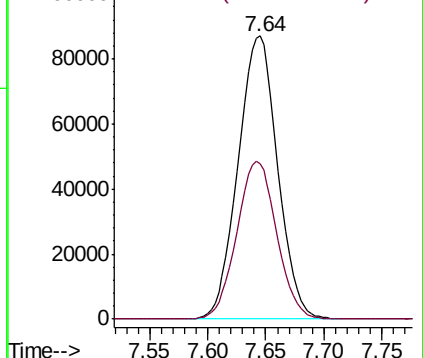
168 100

99 55.1 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: 7.396 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060444.D

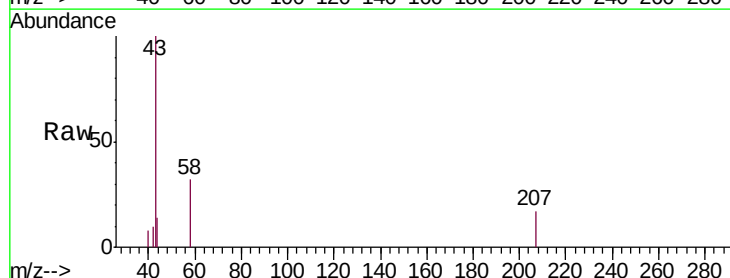
Acq: 11 Mar 2020 12:56

Tgt Ion: 43 Resp: 6331

Ion Ratio Lower Upper

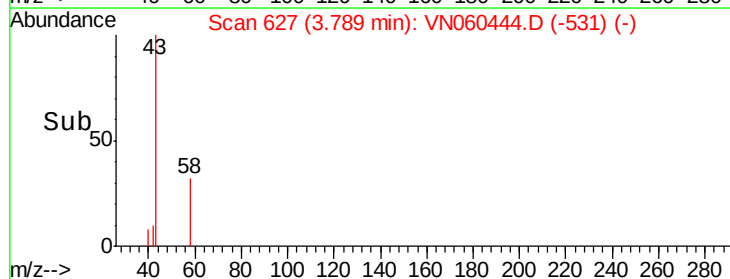
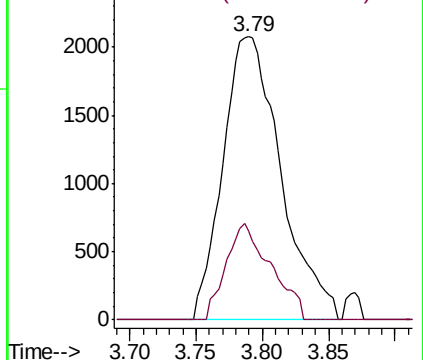
43 100

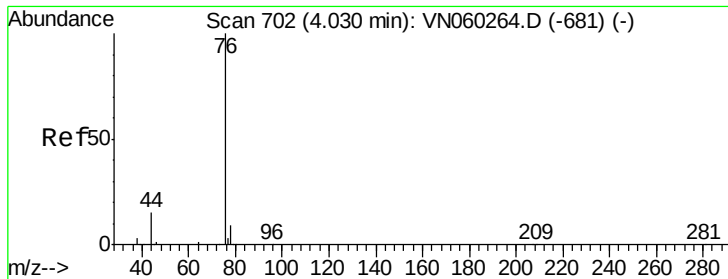
58 31.6 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

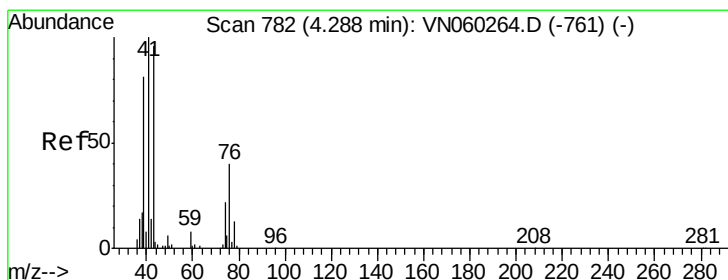
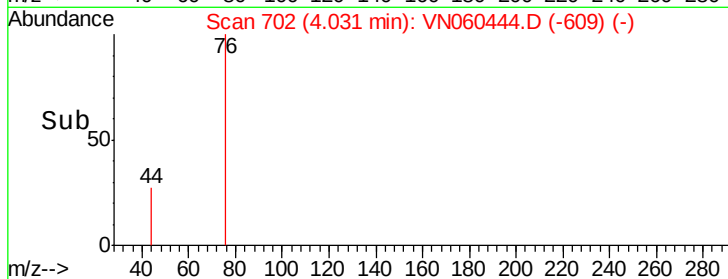
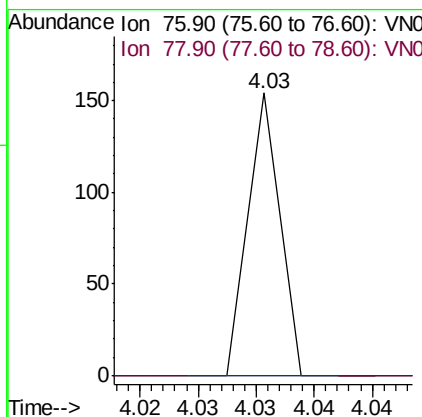
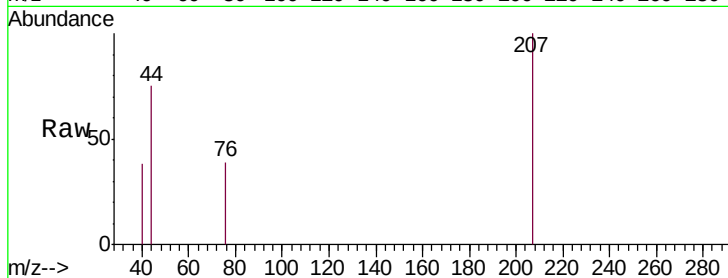




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060444.D
Acq: 11 Mar 2020 12:56

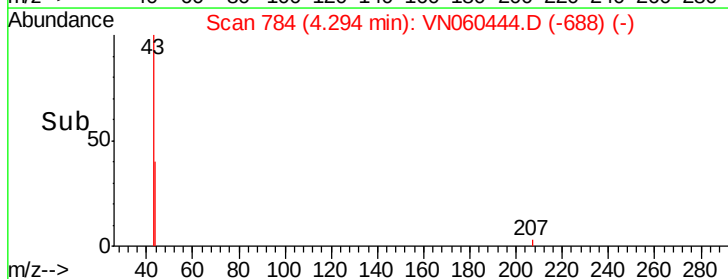
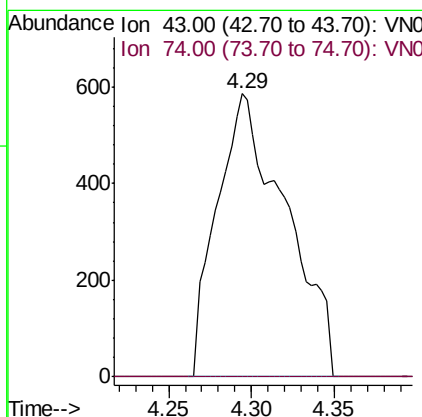
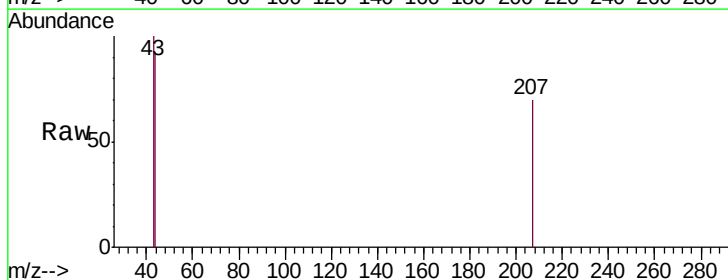
Instrument :
MSVOA_N
ClientSampleId :
CB-EC-52-S

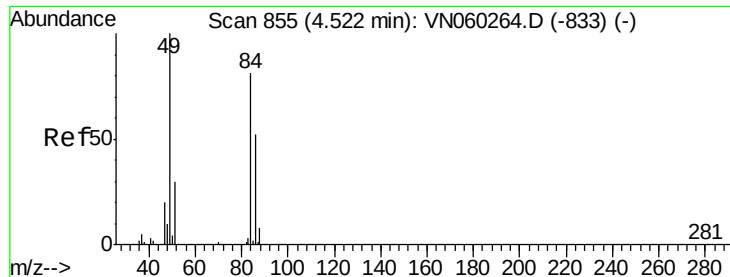
Tgt Ion: 76 Resp: 30
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.592 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060444.D
Acq: 11 Mar 2020 12:56

Tgt Ion: 43 Resp: 1690
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#

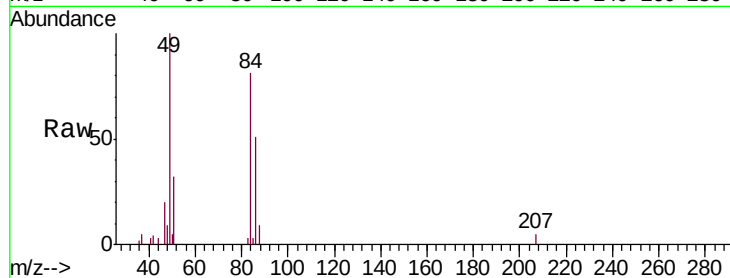




#20
Methylene Chloride
Concen: 6.995 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060444.D
Acq: 11 Mar 2020 12:56

Instrument :
MSVOA_N
ClientSampled :
CB-EC-52-S

Tgt Ion:	84	Resp:	16444
Ion	Ratio	Lower	Upper
84	100		
49	124.0	99.3	148.9
51	39.2	30.1	45.1
86	63.7	51.1	76.7



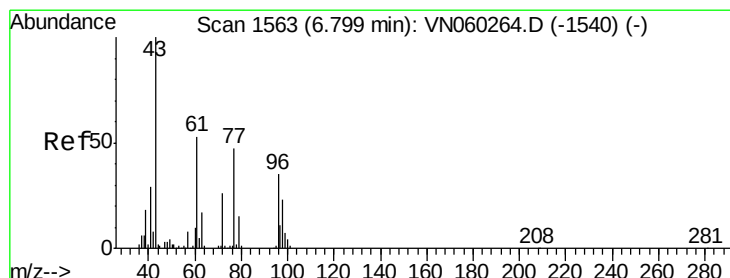
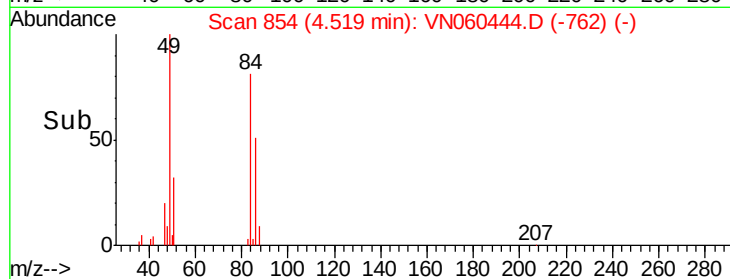
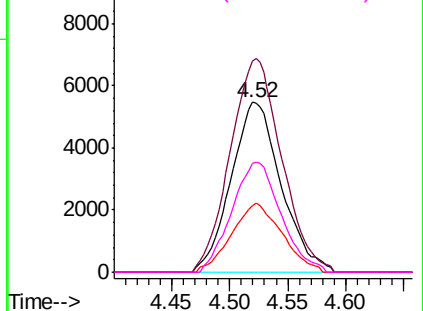
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

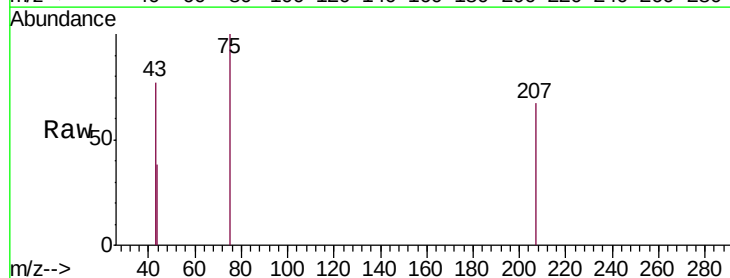
Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25
2-Butanone
Concen: 0.878 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060444.D
Acq: 11 Mar 2020 12:56

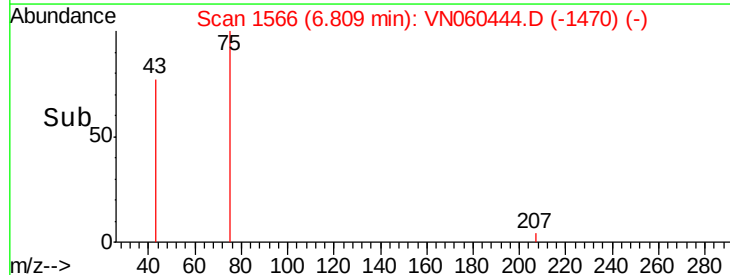
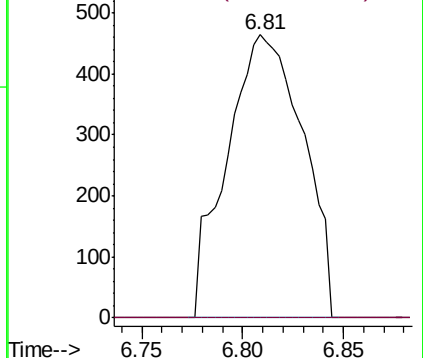
Tgt Ion:	43	Resp:	1214
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.9	31.3#

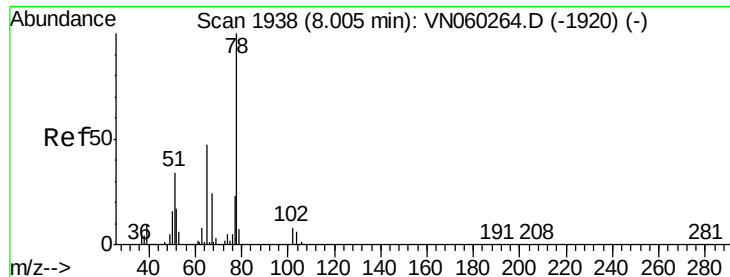


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

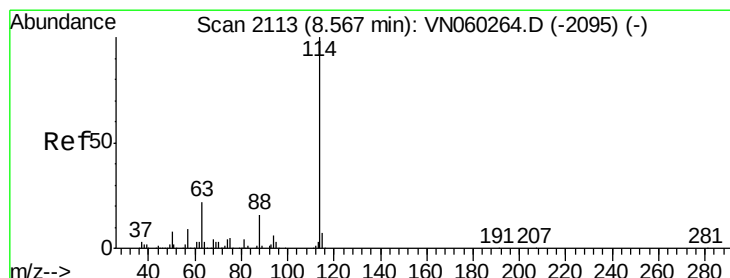
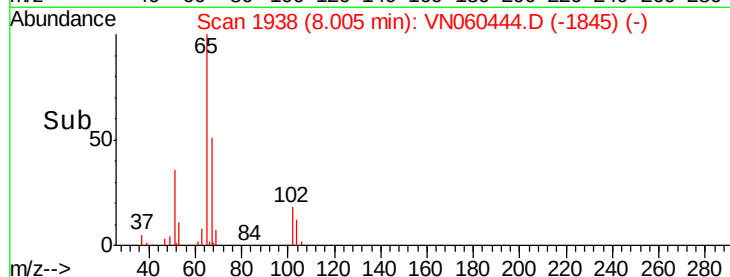
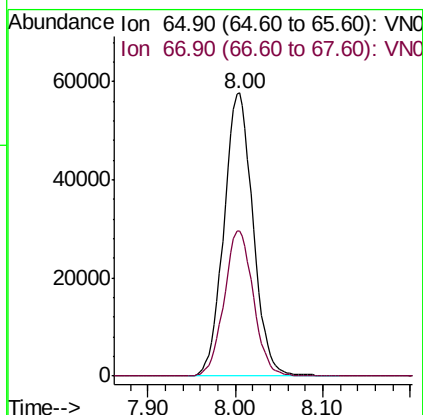
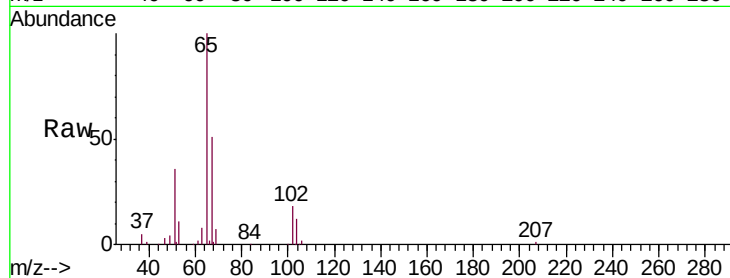




#33
 1,2-Dichloroethane-d4
 Concen: 50.172 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060444.D
 Acq: 11 Mar 2020 12:56

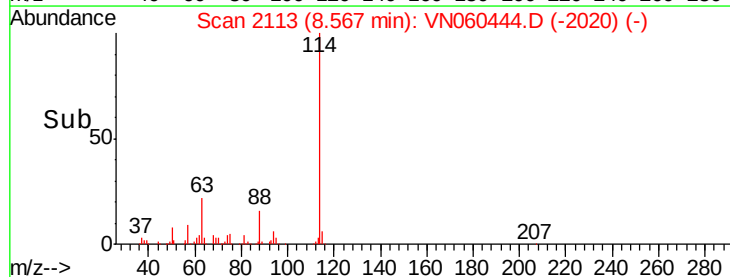
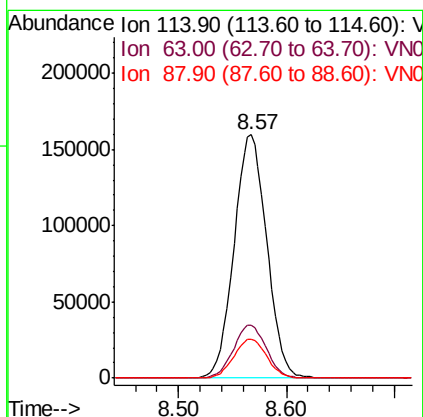
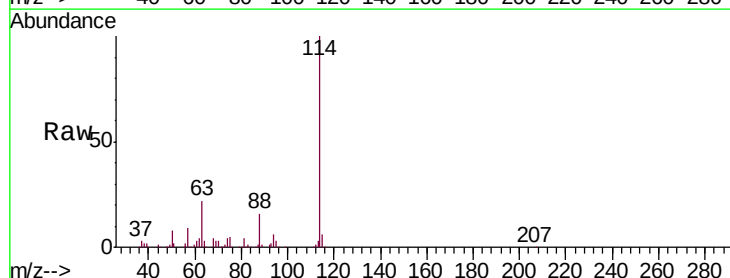
Instrument :
 MSVOA_N
 ClientSampleId :
 CB-EC-52-S

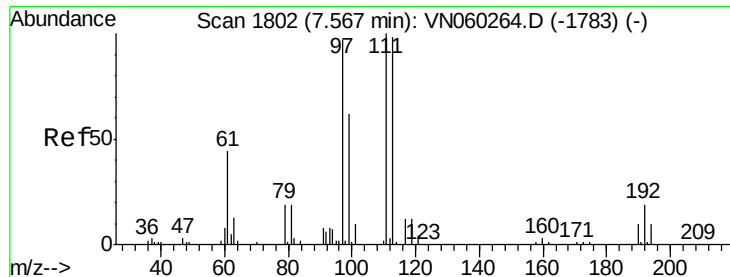
Tgt Ion: 65 Resp: 132988
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060444.D
 Acq: 11 Mar 2020 12:56

Tgt Ion: 114 Resp: 337520
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 16.1 0.0 31.6

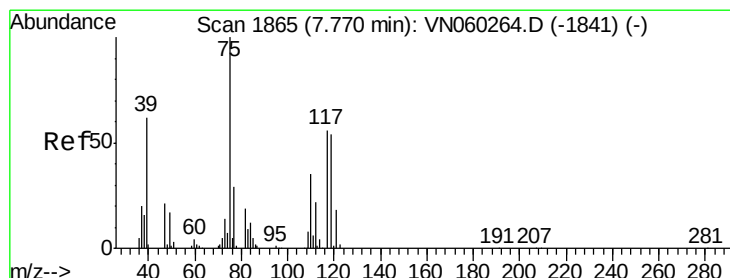
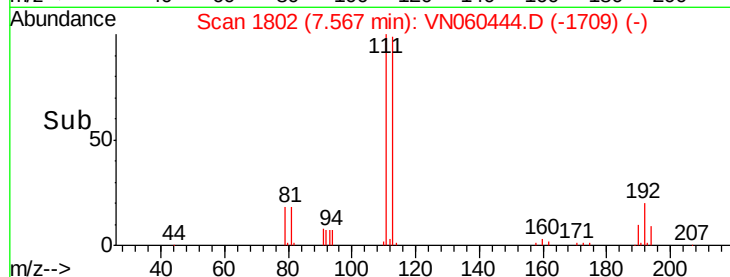
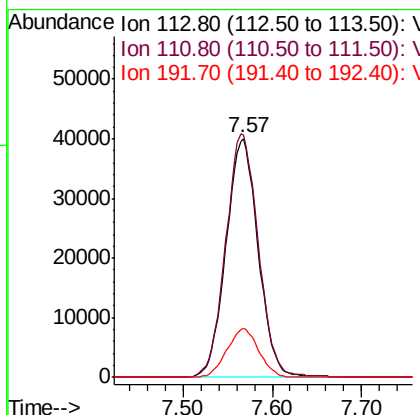
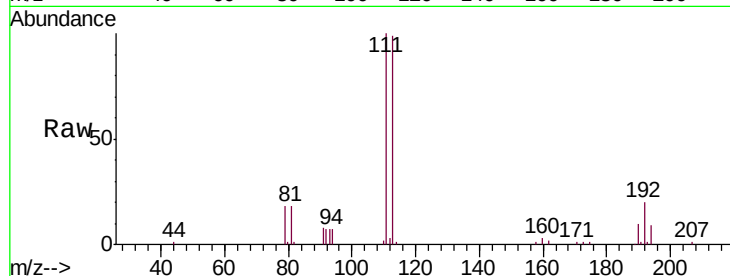




#35
 Dibromofluoromethane
 Concen: 63.778 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060444.D
 Acq: 11 Mar 2020 12:56

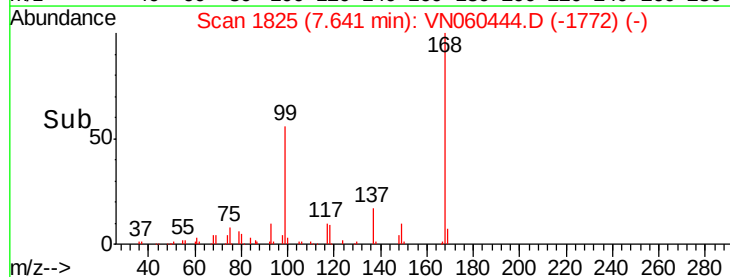
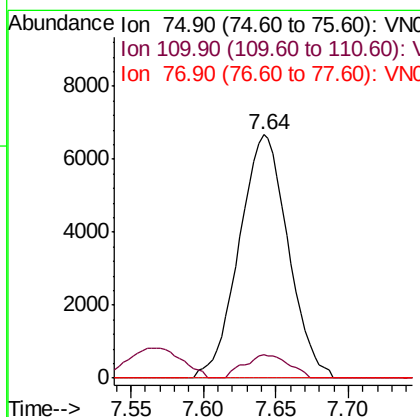
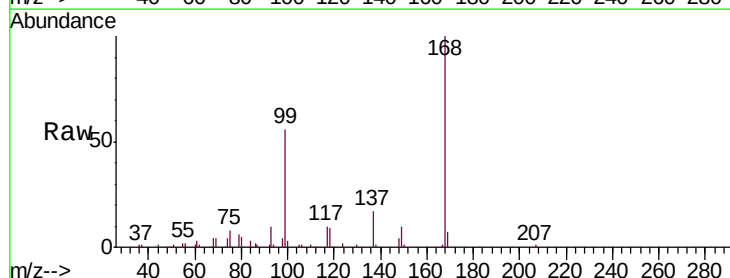
Instrument :
 MSVOA_N
 ClientSampled :
 CB-EC-52-S

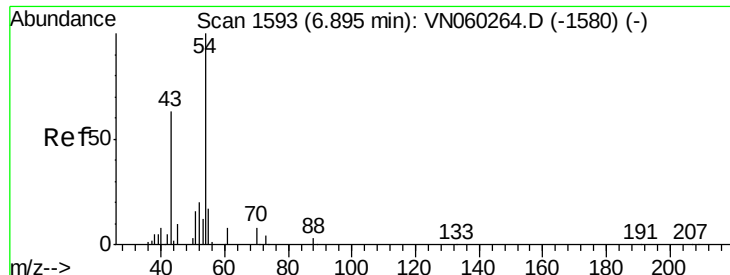
Tgt Ion: 113 Resp: 99919
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.4 123.6
 192 20.1 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.866 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060444.D
 Acq: 11 Mar 2020 12:56

Tgt Ion: 75 Resp: 15652
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.3 52.0#
 77 0.0 24.2 36.2#

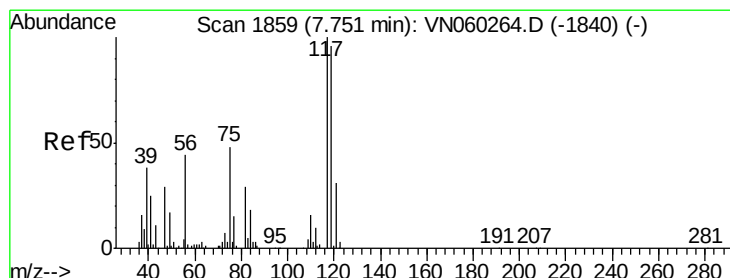
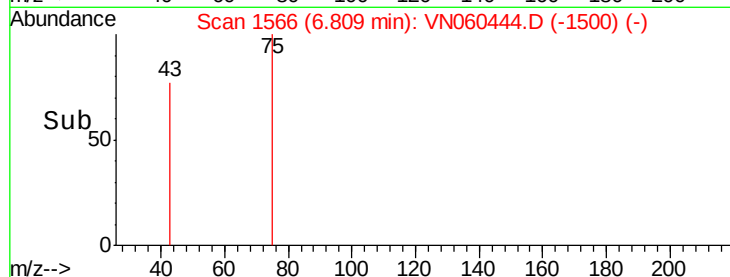
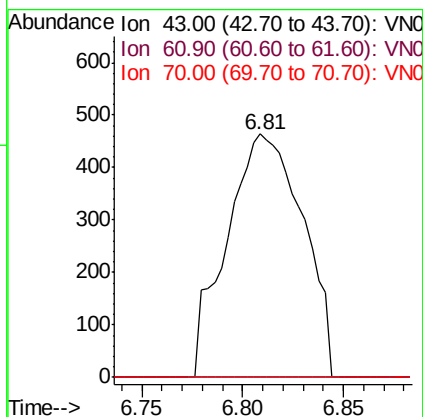
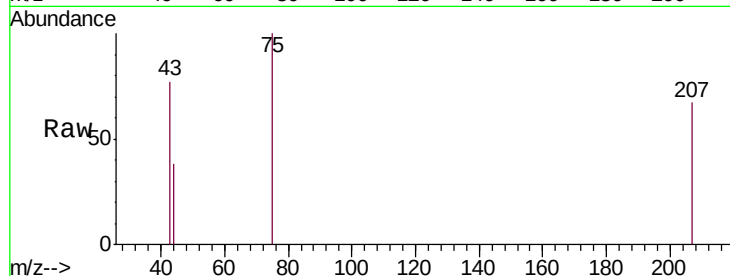




#37
Ethyl Acetate
 Concen: 0.399 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.09 min
 Lab File: VN060444.D
 Acq: 11 Mar 2020 12:56

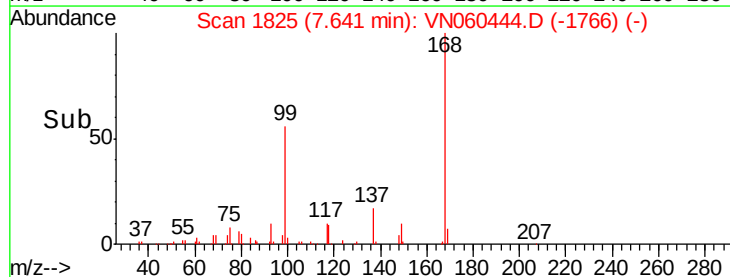
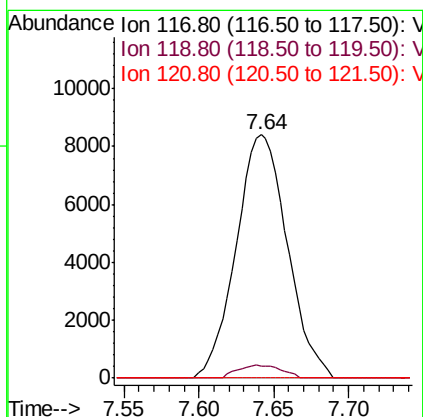
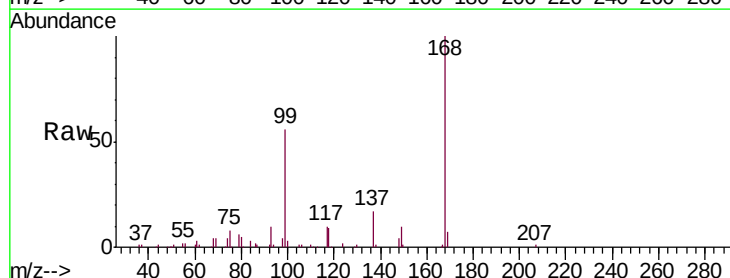
Instrument :
 MSVOA_N
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 CB-EC-52-S

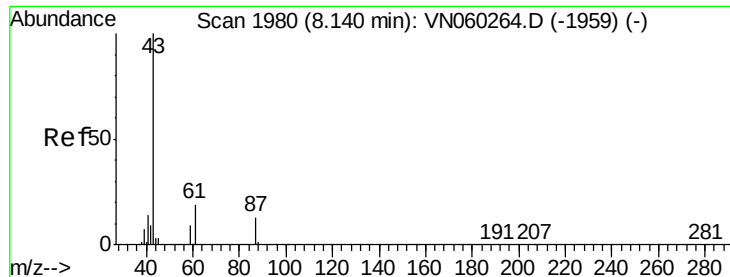
Tgt Ion: 43 Resp: 1214
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.1 16.7#
 70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
 Concen: 6.385 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060444.D
 Acq: 11 Mar 2020 12:56

Tgt Ion: 117 Resp: 19998
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.7 115.1#
 121 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 10.504 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060444.D

Acq: 11 Mar 2020 12:56

Instrument :

MSVOA_N

ClientSampled :

CB-EC-52-S

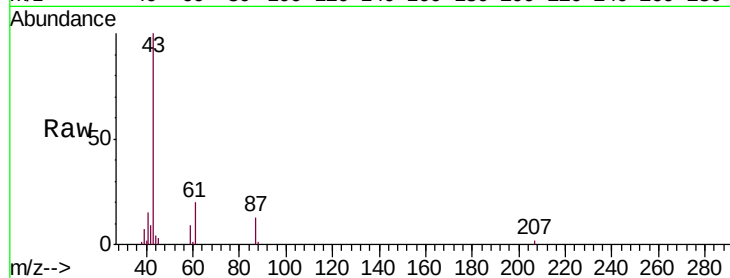
Tgt Ion: 43 Resp: 56008

Ion Ratio Lower Upper

43 100

61 19.2 20.9 31.3#

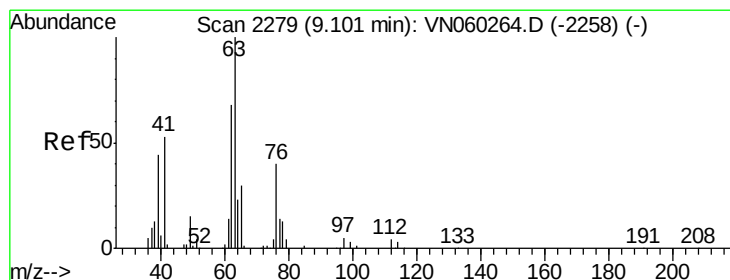
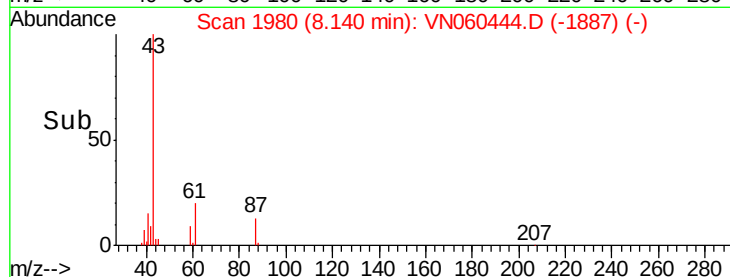
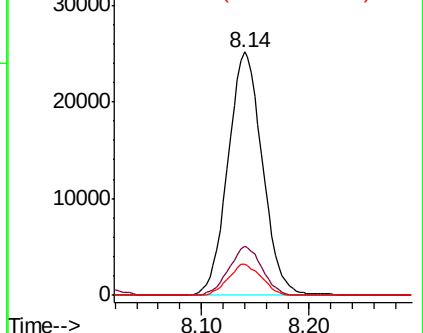
87 12.1 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060444.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060444.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060444.D (-1959) (-)



#45

1,2-Dichloropropane

Concen: 0.459 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060444.D

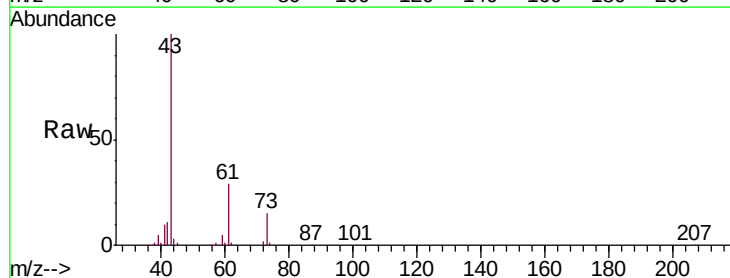
Acq: 11 Mar 2020 12:56

Tgt Ion: 63 Resp: 1124

Ion Ratio Lower Upper

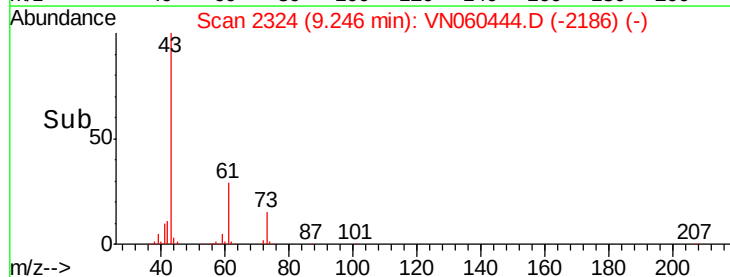
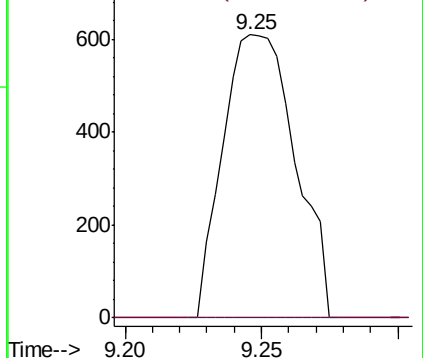
63 100

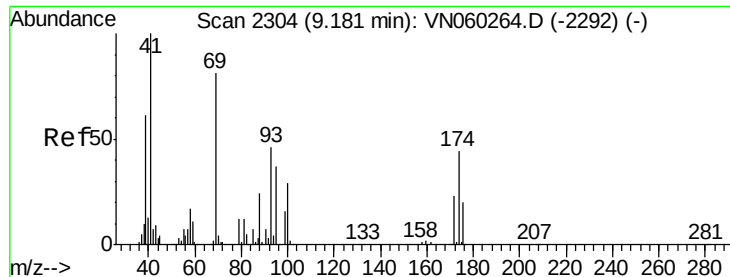
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060444.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060444.D (-2258) (-)

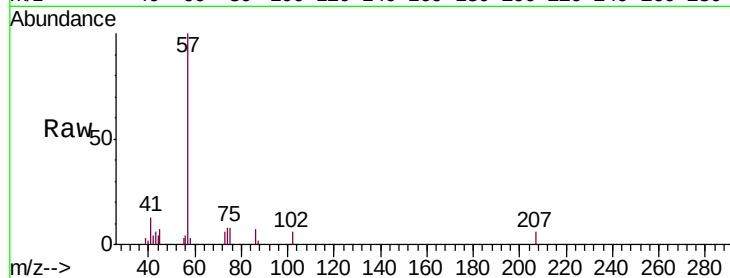




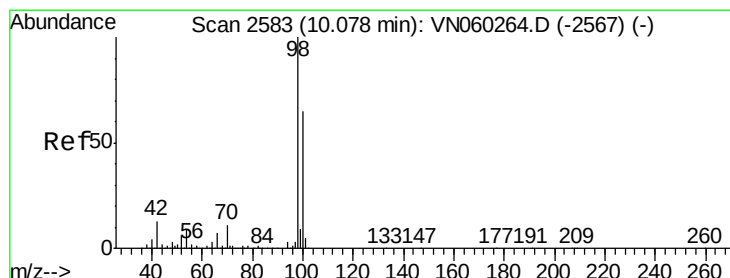
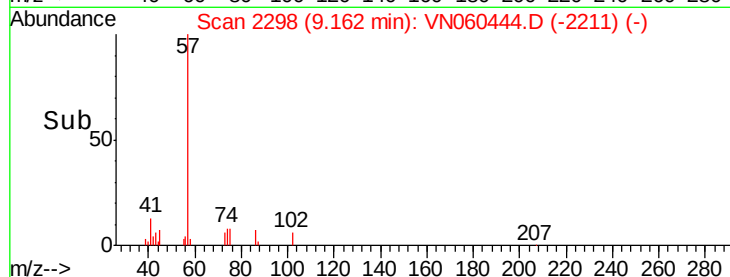
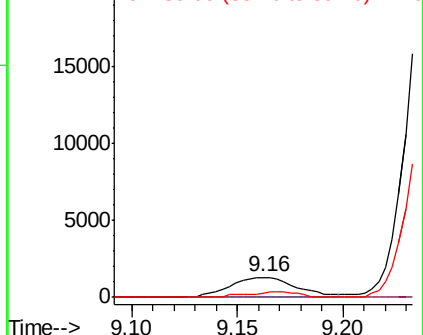
#48
Methyl methacrylate
Concen: 1.146 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060444.D
Acq: 11 Mar 2020 12:56

Instrument :
MSVOA_N
ClientSampled :
CB-EC-52-S

Tgt Ion: 41 Resp: 2787
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#

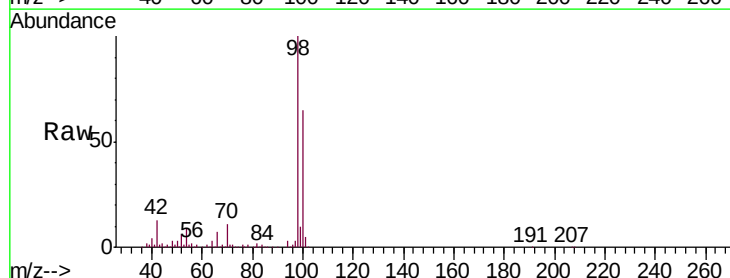


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

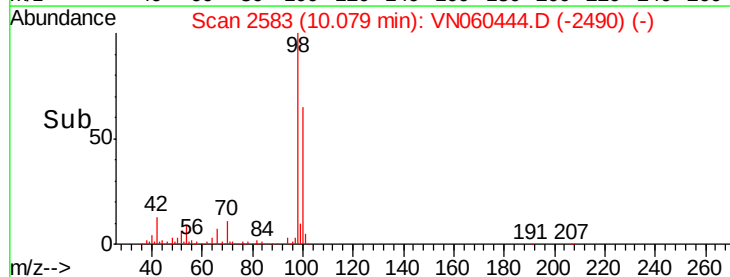
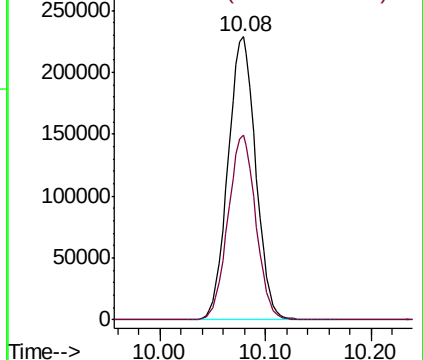


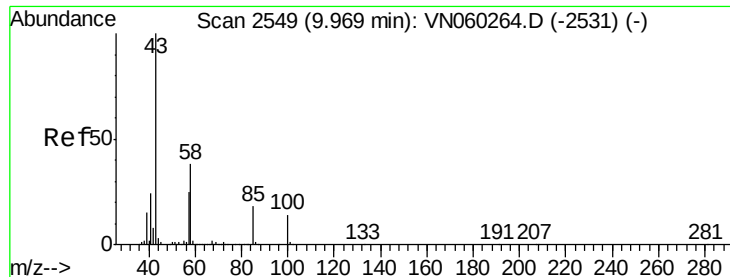
#50
Toluene-d8
Concen: 52.442 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060444.D
Acq: 11 Mar 2020 12:56

Tgt Ion: 98 Resp: 415813
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



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: 1.513 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060444.D

Acq: 11 Mar 2020 12:56

Instrument :

MSVOA_N

ClientSampled :

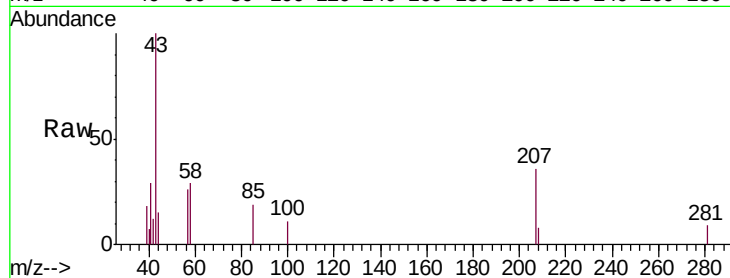
CB-EC-52-S

Tgt Ion: 43 Resp: 4573

Ion Ratio Lower Upper

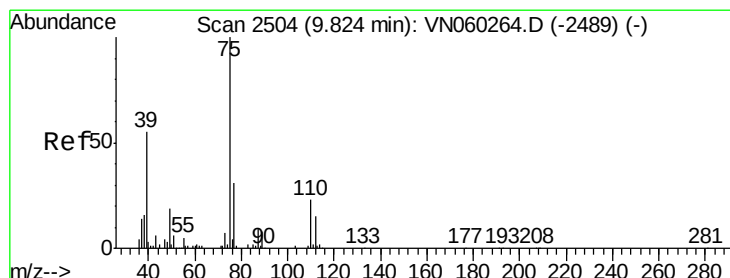
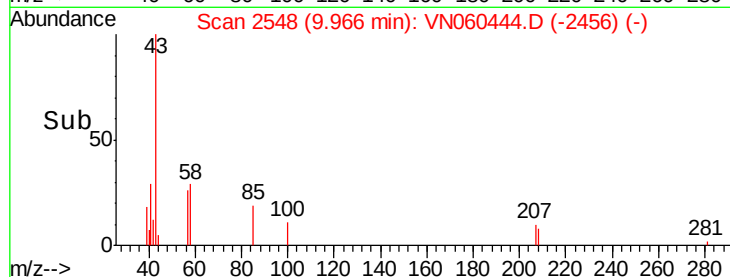
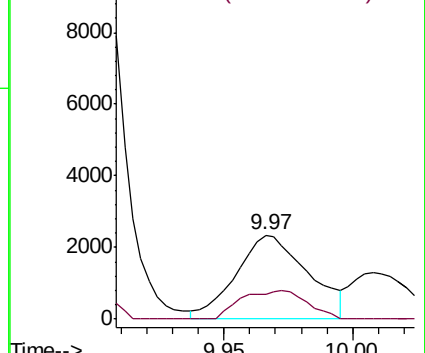
43 100

58 31.1 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: 5.699 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060444.D

Acq: 11 Mar 2020 12:56

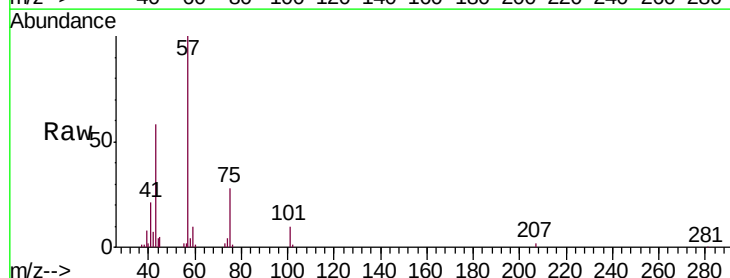
Tgt Ion: 75 Resp: 23375

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

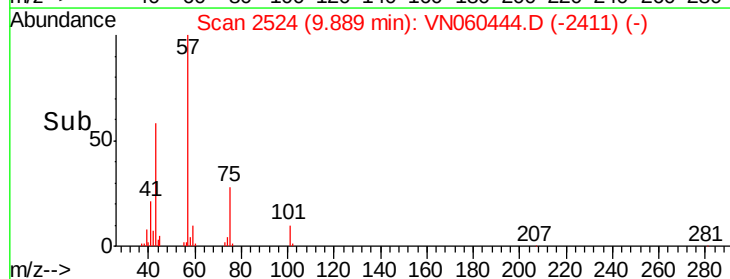
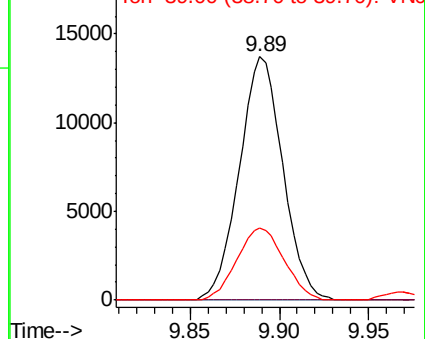
39 29.5 43.8 65.8#

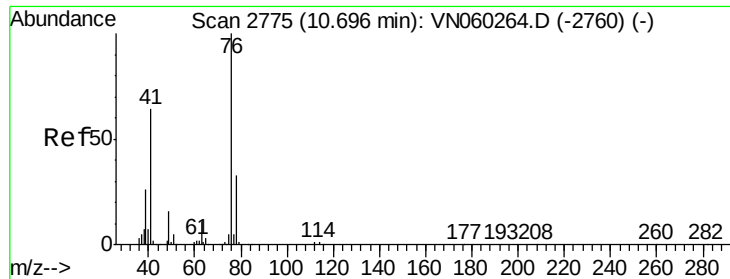


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

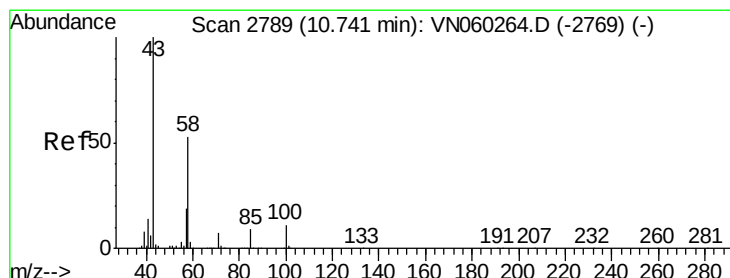
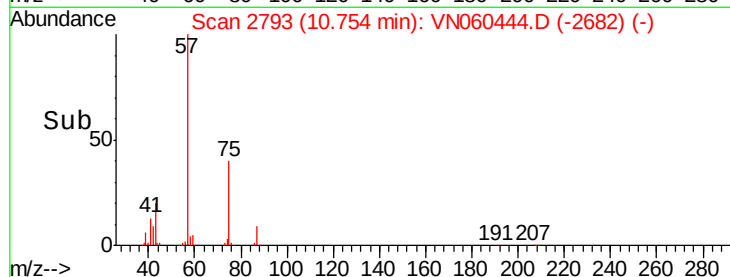
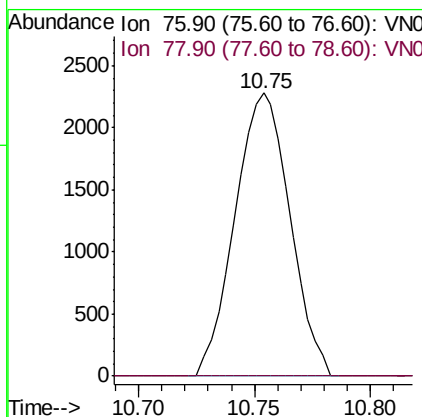
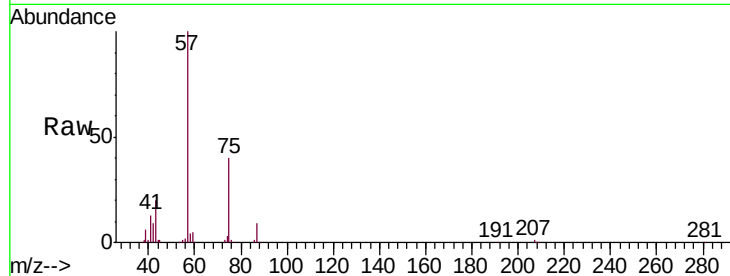




#57
 1,3-Dichloropropane
 Concen: 0.974 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060444.D
 Acq: 11 Mar 2020 12:56

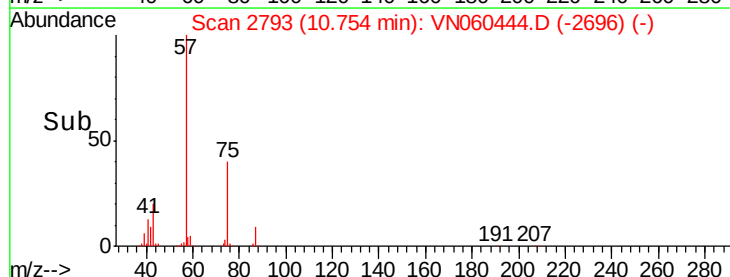
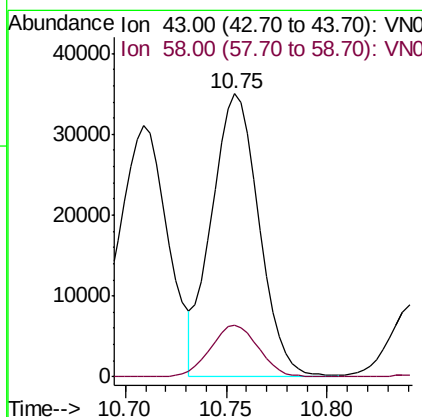
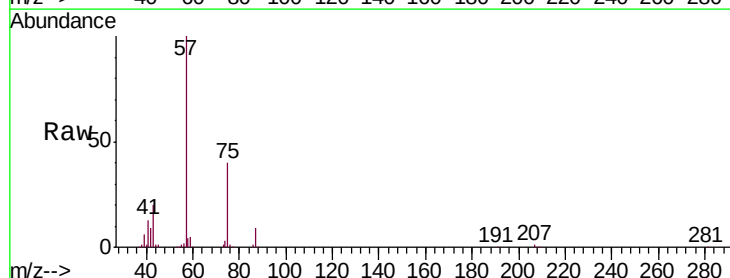
Instrument :
 MSVOA_N
 ClientSampled :
 CB-EC-52-S

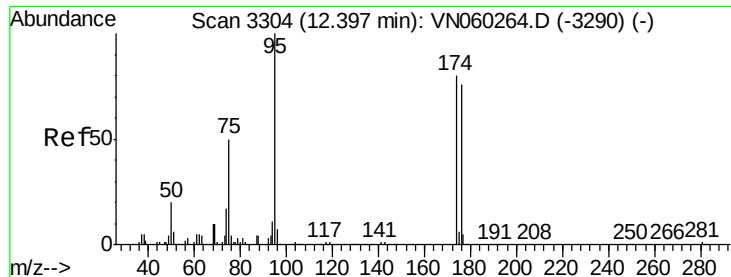
Tgt Ion: 76 Resp: 3755
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



#59
 2-Hexanone
 Concen: 25.629 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060444.D
 Acq: 11 Mar 2020 12:56

Tgt Ion: 43 Resp: 56891
 Ion Ratio Lower Upper
 43 100
 58 18.6 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 52.243 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060444.D

Acq: 11 Mar 2020 12:56

Instrument :

MSVOA_N

ClientSampleId :

CB-EC-52-S

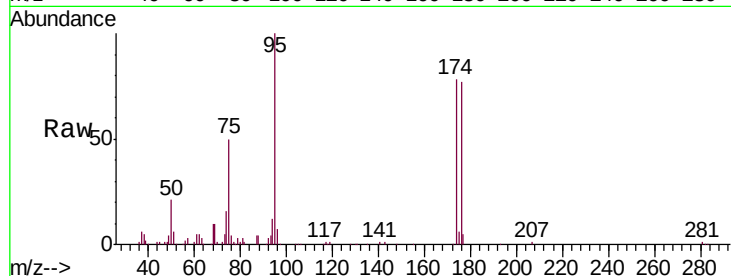
Tgt Ion: 95 Resp: 157027

Ion Ratio Lower Upper

95 100

174 78.3 0.0 159.2

176 76.0 0.0 153.8

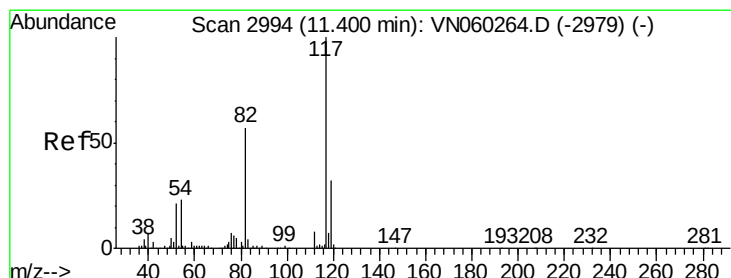
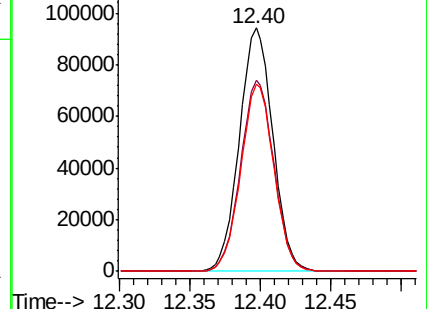
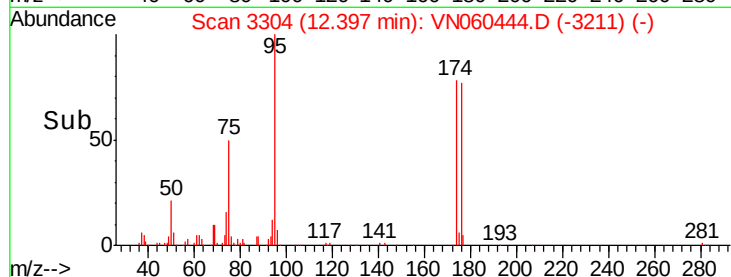


Abundance Ion 94.90 (94.60 to 95.60): VN060444.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060444.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060444.D (-3290) (-)

12.40



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060444.D

Acq: 11 Mar 2020 12:56

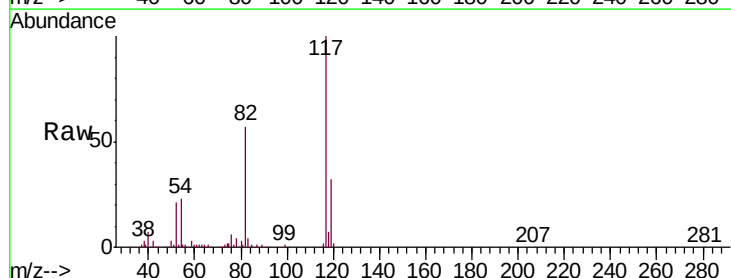
Tgt Ion: 117 Resp: 318415

Ion Ratio Lower Upper

117 100

82 57.1 45.8 68.6

119 32.1 25.8 38.8

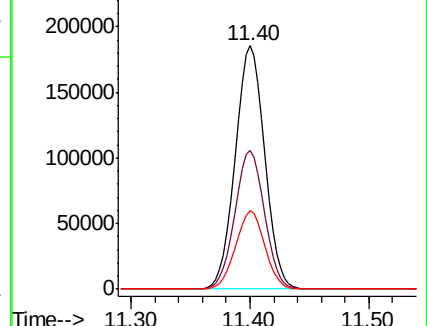
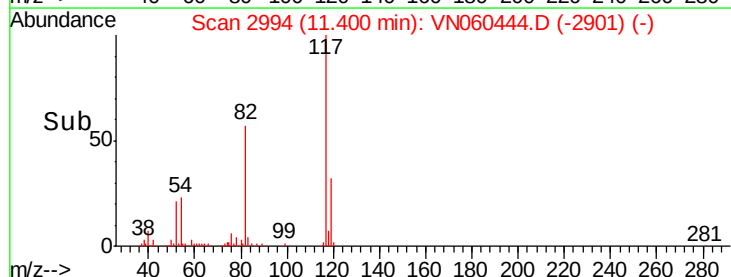


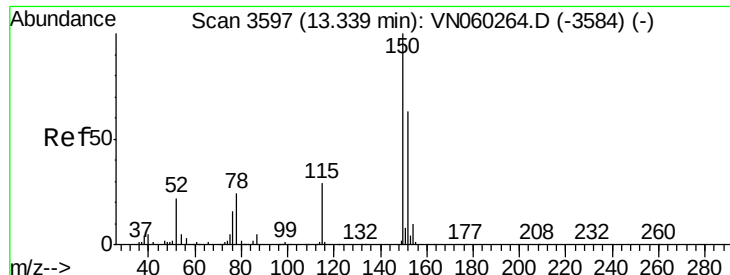
Abundance Ion 116.90 (116.60 to 117.60): VN060444.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060444.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060444.D (-2979) (-)

11.40

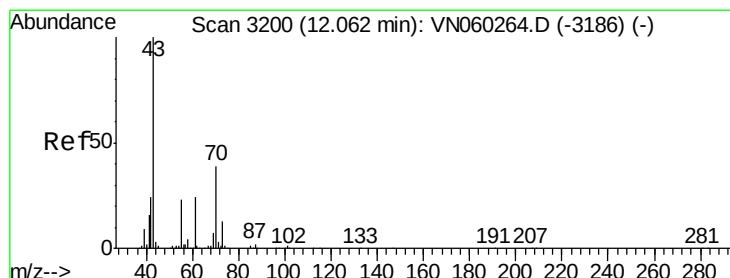
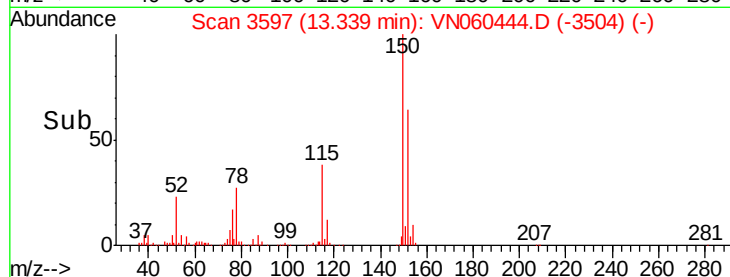
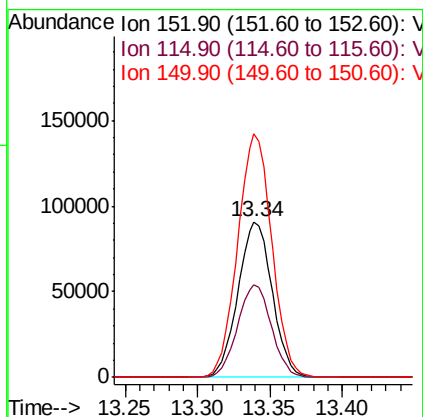
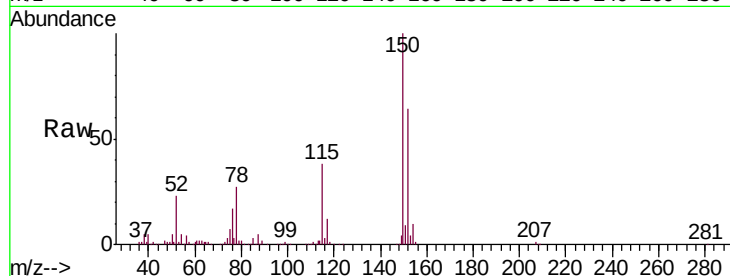




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN060444.D
 Acq: 11 Mar 2020 12:56

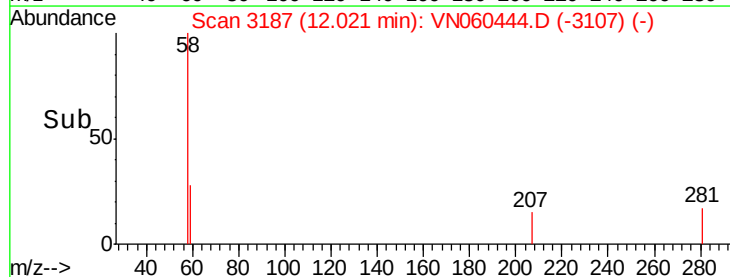
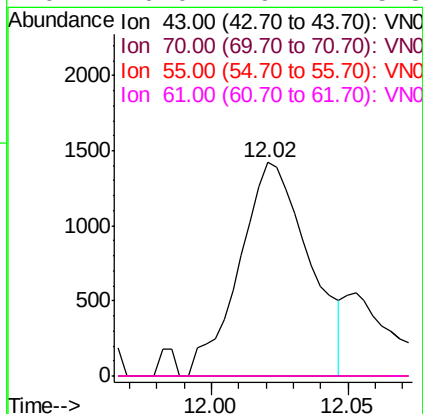
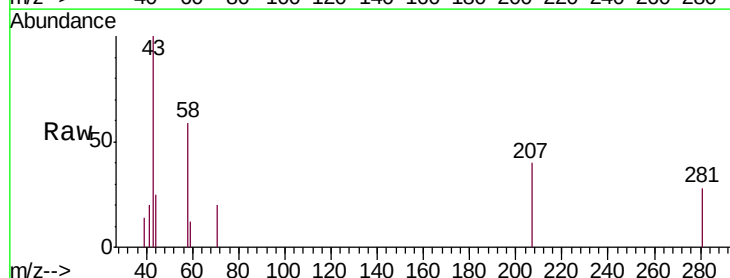
Instrument :
 MSVOA_N
 ClientSampled :
 CB-EC-52-S

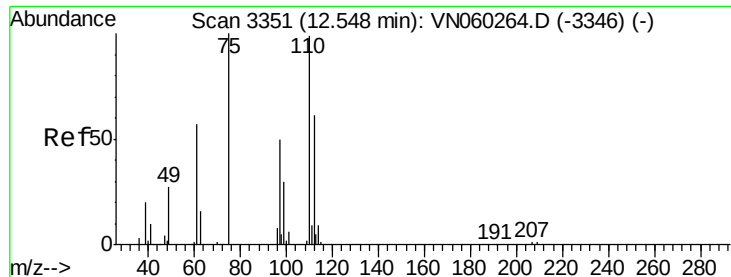
Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.0	90.0
150	156.4	0.0	349.6



#74
 N-ethyl acetate
 Concen: 0.524 ug/l
 RT: 12.02 min Scan# 3187
 Delta R.T. -0.04 min
 Lab File: VN060444.D
 Acq: 11 Mar 2020 12:56

Tgt 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#

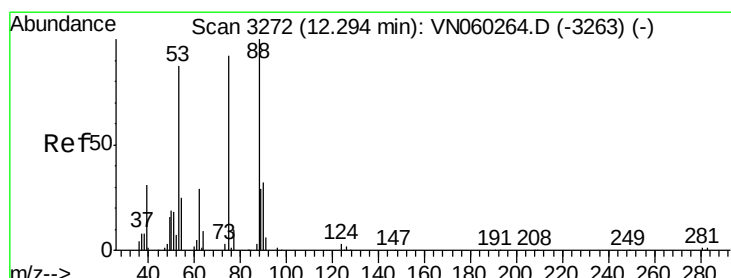
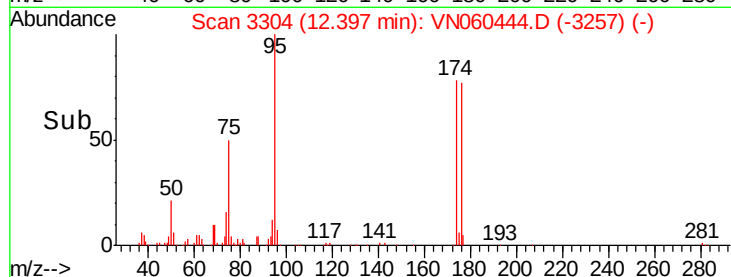
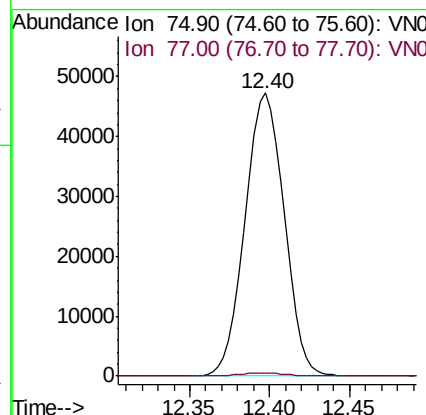
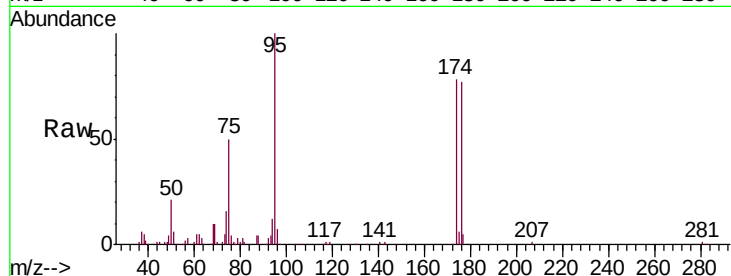




#76
 1,2,3-Trichloropropane
 Concen: 24.199 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060444.D
 Acq: 11 Mar 2020 12:56

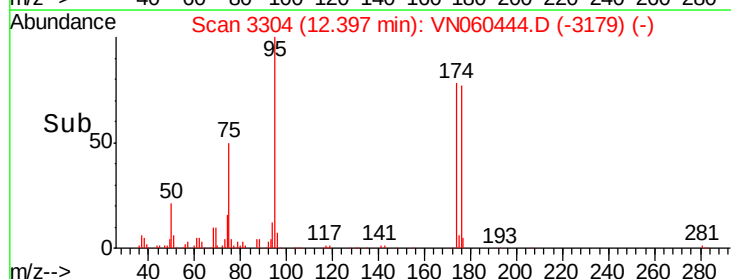
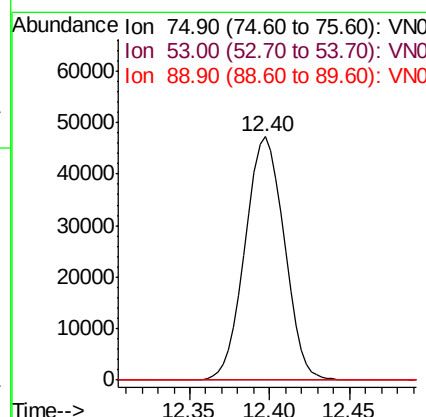
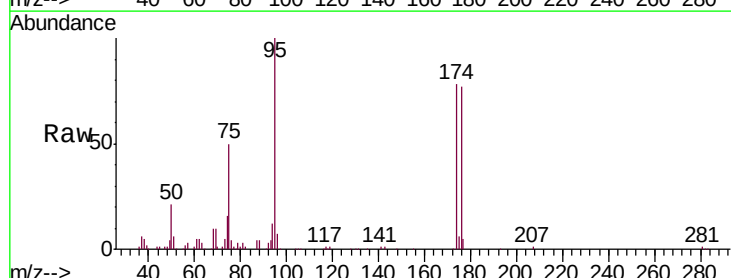
Instrument :
 MSVOA_N
 ClientSampled :
 CB-EC-52-S

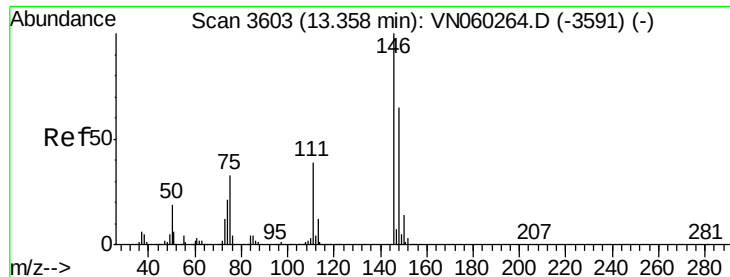
Tgt Ion: 75 Resp: 79083
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.802 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060444.D
 Acq: 11 Mar 2020 12:56

Tgt Ion: 75 Resp: 79083
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#

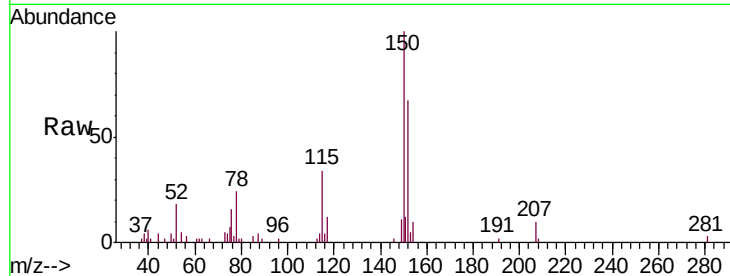




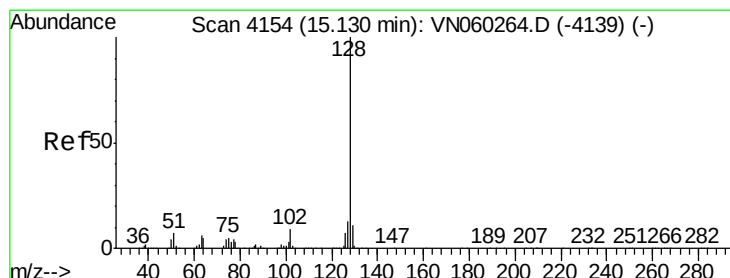
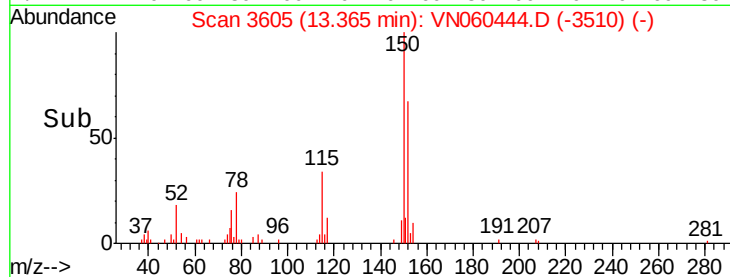
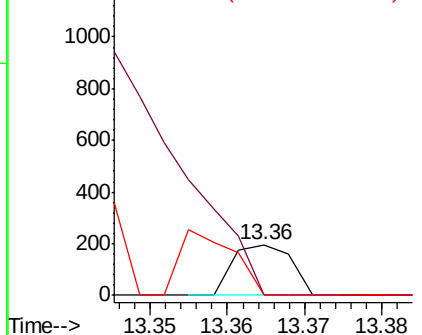
#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.01 min
 Lab File: VN060444.D
 Acq: 11 Mar 2020 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 CB-EC-52-S

Tgt Ion:146 Resp: 102
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.8 59.4#
 148 117.6 32.3 96.9#

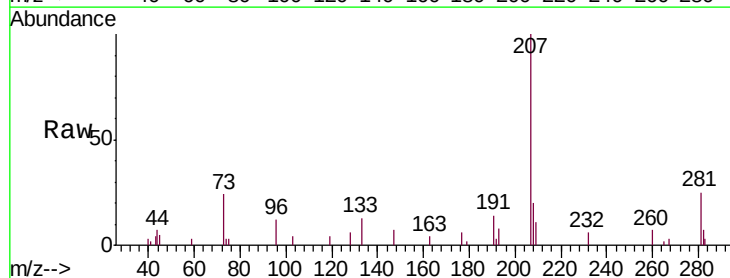


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#95
 Naphthalene
 Concen: Below Cal
 RT: 15.13 min Scan# 4153
 Delta R.T. -0.00 min
 Lab File: VN060444.D
 Acq: 11 Mar 2020 12:56

Tgt Ion:128 Resp: 630
 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): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

