

Data File : VN060445.D
Acq On : 11 Mar 2020 13:18
Operator : JC/MD
Sample : L1853-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
CB-EC-21-G

Quant Time: Mar 12 03:36:48 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	197119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	323781	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	302049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141630	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	129175	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	7.57	113	97407	64.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.62%	
50) Toluene-d8	10.08	98	402125	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.40	95	146341	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	

Target Compounds

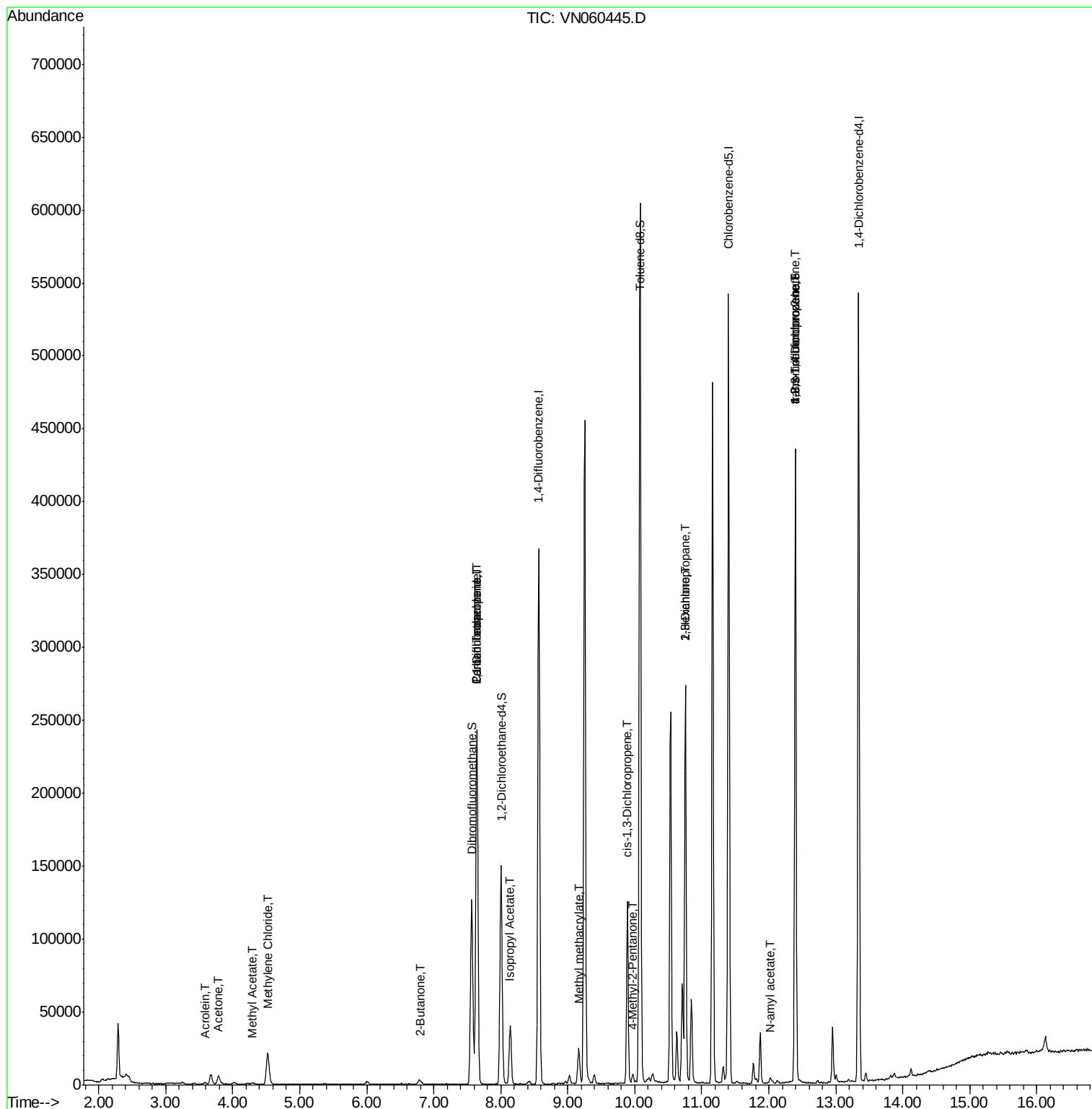
						Qvalue
13) Acrolein	3.58	56	1066	3.043	ug/l	86
16) Acetone	3.79	43	10791	13.213	ug/l	91
18) Methyl Acetate	4.30	43	1677	0.615	ug/l #	52
20) Methylene Chloride	4.52	84	16340	7.285	ug/l	94
25) 2-Butanone	6.81	43	2368	1.795	ug/l	99
31) Cyclohexane	7.64	56	4338	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15065	4.882	ug/l #	51
38) Carbon Tetrachloride	7.64	117	18969	6.314	ug/l #	16
43) Isopropyl Acetate	8.14	43	49400	9.657	ug/l #	90
48) Methyl methacrylate	9.16	41	4900	2.101	ug/l #	34
51) 4-Methyl-2-Pentanone	9.97	43	3909	1.348	ug/l	97
54) cis-1,3-Dichloropropene	9.89	75	22129	5.624	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	2875	0.777	ug/l #	42
59) 2-Hexanone	10.75	43	40533	19.035	ug/l #	52
74) N-amyl acetate	12.02	43	3865	0.843	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	74896	24.103	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	74896	66.535	ug/l #	8
95) Naphthalene	15.13	128	573	Below Cal	#	69

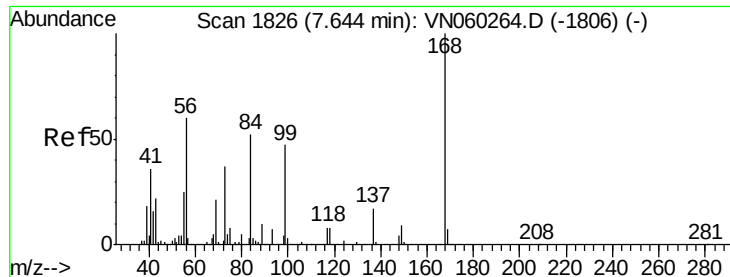
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060445.D

Acq: 11 Mar 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

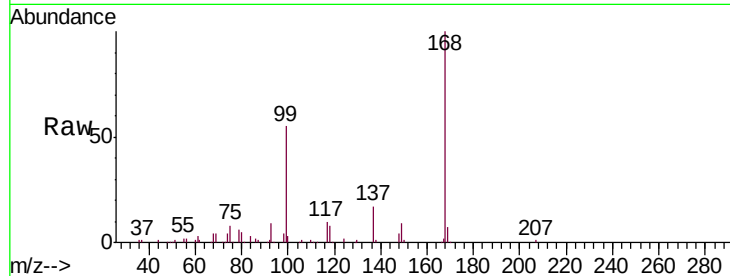
CB-EC-21-G

Tgt Ion:168 Resp: 197119

Ion Ratio Lower Upper

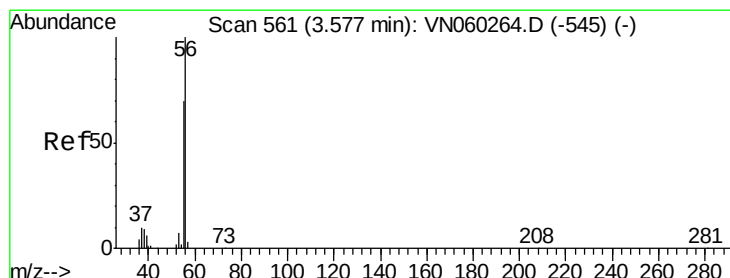
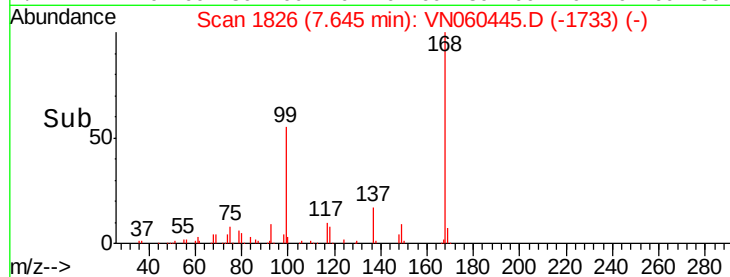
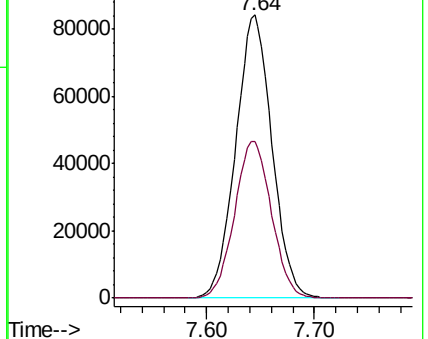
168 100

99 55.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#13

Acrolein

Concen: 3.043 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060445.D

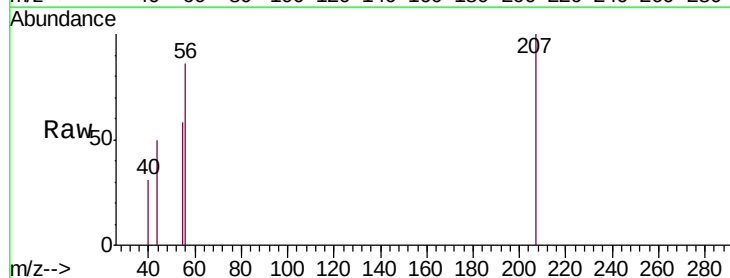
Acq: 11 Mar 2020 13:18

Tgt Ion: 56 Resp: 1066

Ion Ratio Lower Upper

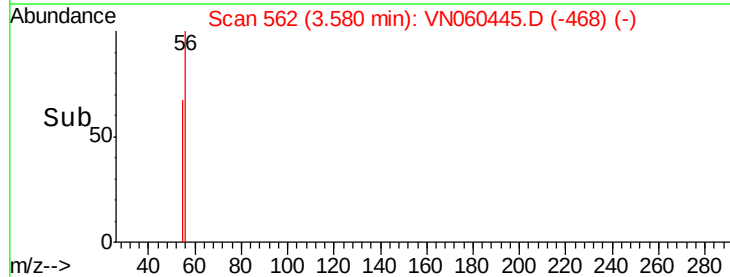
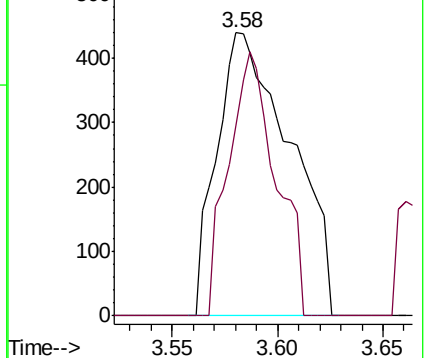
56 100

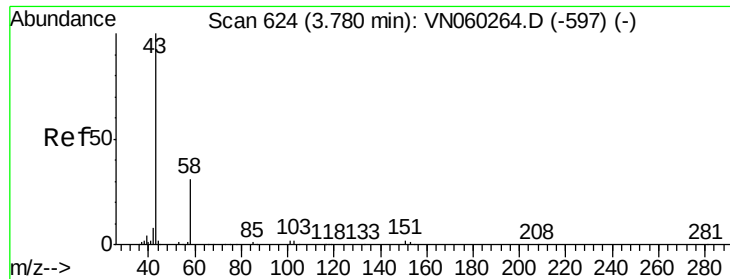
55 60.0 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN





#16

Acetone

Concen: 13.213 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060445.D

Acq: 11 Mar 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

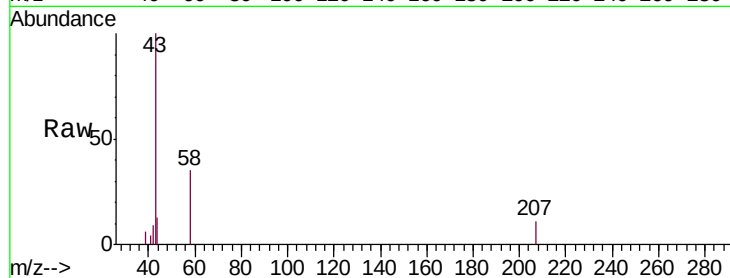
CB-EC-21-G

Tgt Ion: 43 Resp: 10791

Ion Ratio Lower Upper

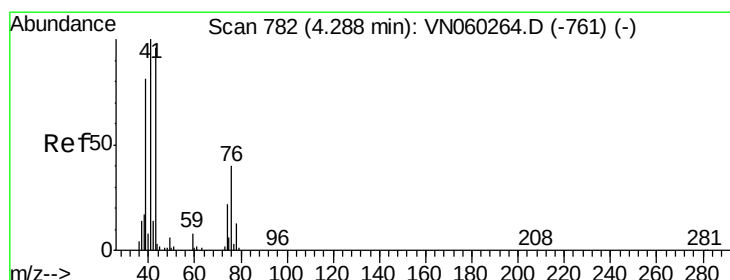
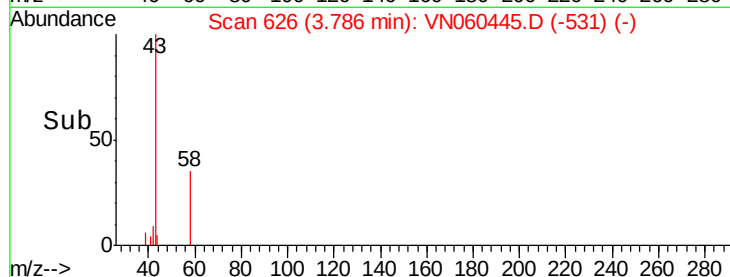
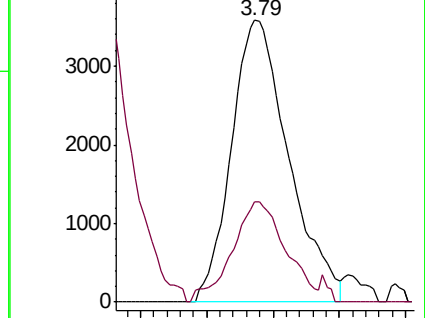
43 100

58 35.5 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-597) (-)



#18

Methyl Acetate

Concen: 0.615 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN060445.D

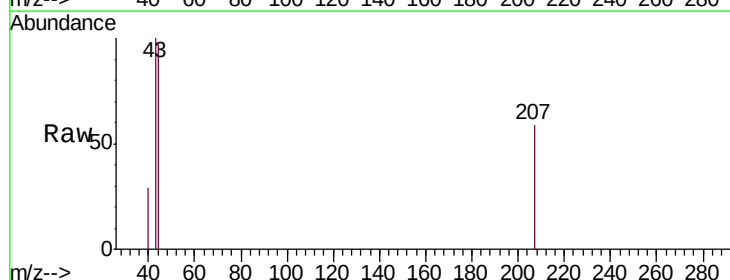
Acq: 11 Mar 2020 13:18

Tgt Ion: 43 Resp: 1677

Ion Ratio Lower Upper

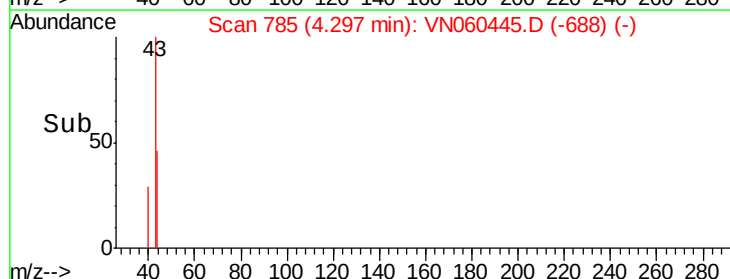
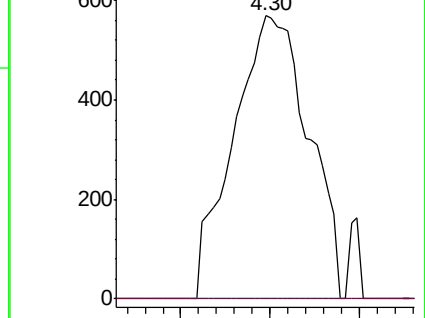
43 100

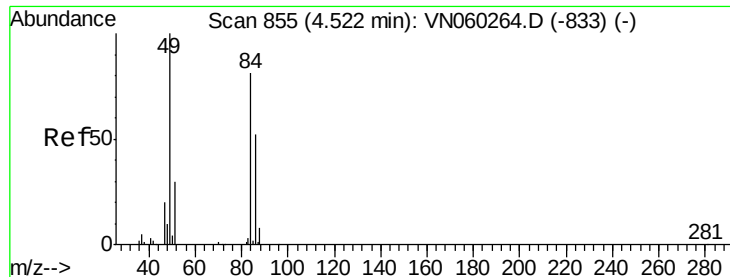
74 0.0 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-761) (-)

Ion 74.00 (73.70 to 74.70): VN060264.D (-761) (-)

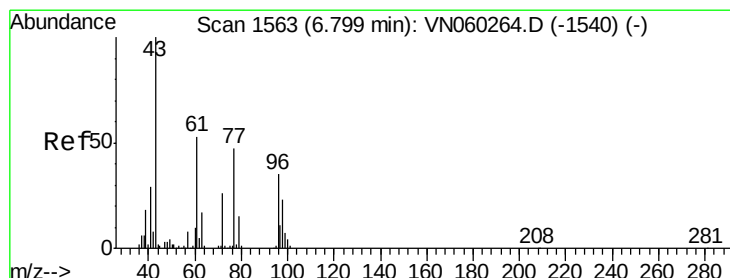
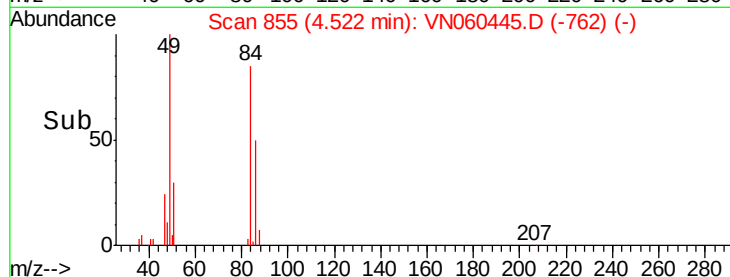
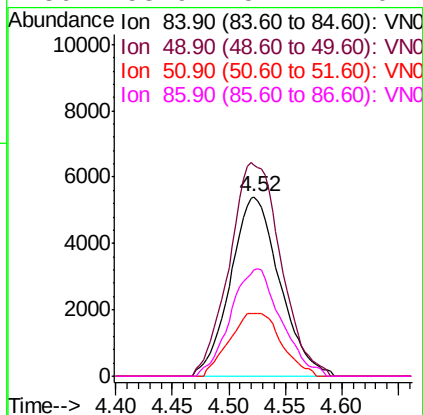
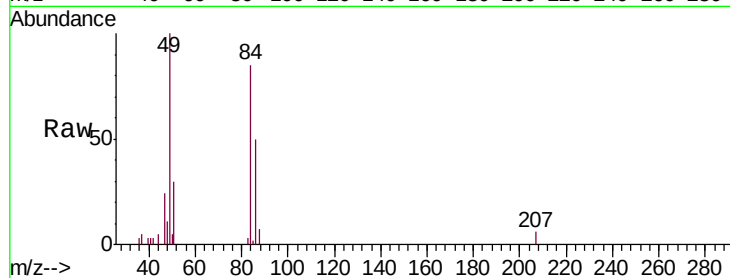




#20
Methylene Chloride
Concen: 7.285 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060445.D
Acq: 11 Mar 2020 13:18

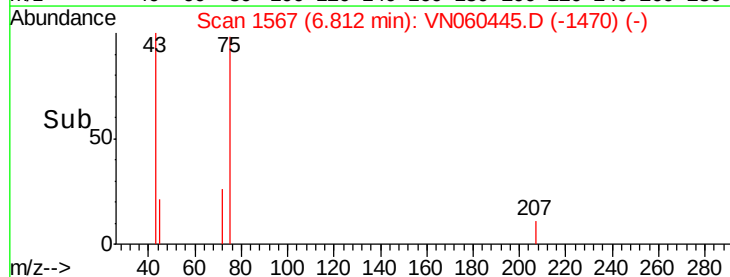
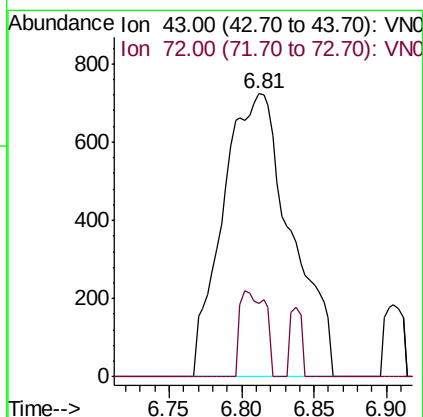
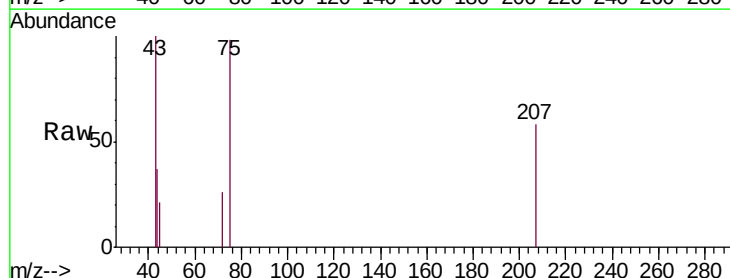
Instrument :
MSVOA_N
ClientSampleId :
CB-EC-21-G

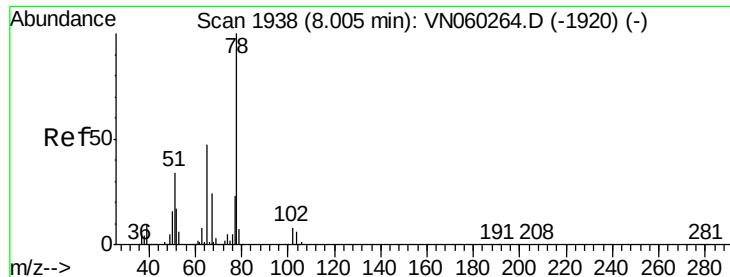
Tgt Ion:	84	Resp:	16340
Ion	Ratio	Lower	Upper
84	100		
49	117.7	99.3	148.9
51	34.9	30.1	45.1
86	58.9	51.1	76.7



#25
2-Butanone
Concen: 1.795 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN060445.D
Acq: 11 Mar 2020 13:18

Tgt Ion:	43	Resp:	2368
Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.9	31.3

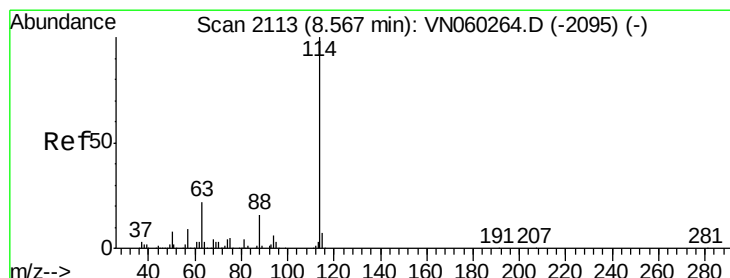
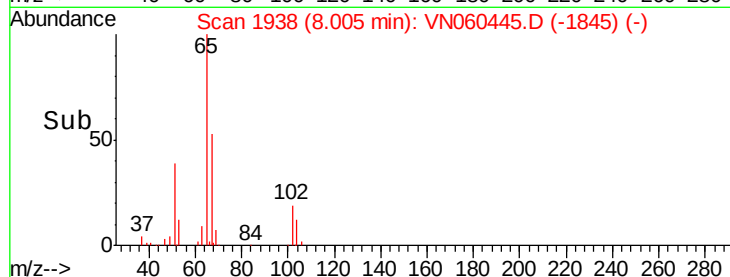
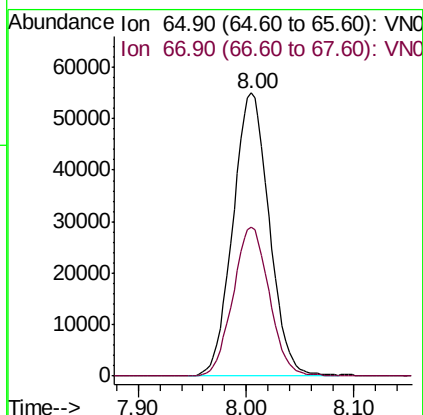
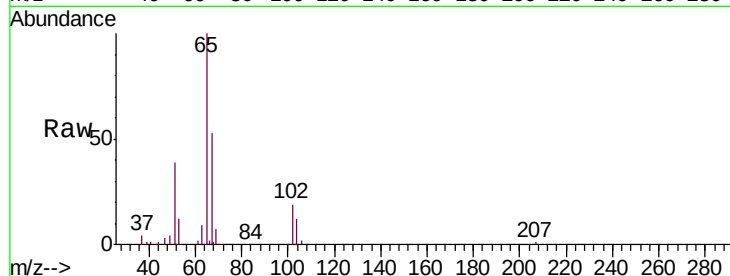




#33
 1,2-Dichloroethane-d4
 Concen: 51.076 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060445.D
 Acq: 11 Mar 2020 13:18

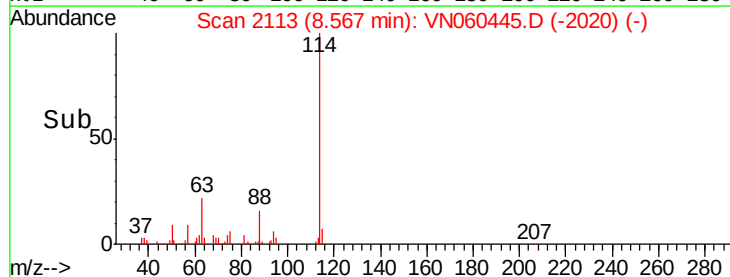
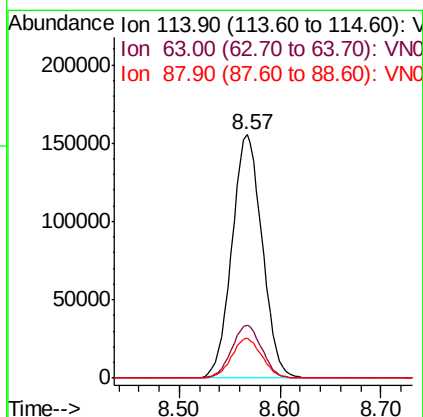
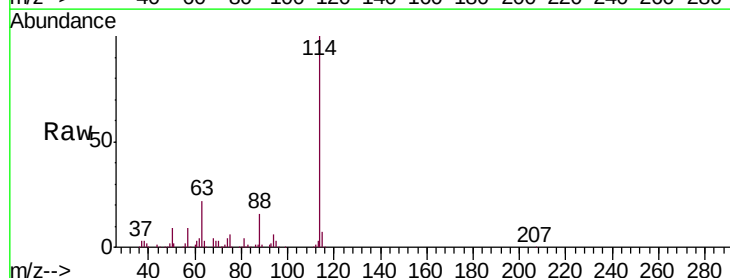
Instrument :
 MSVOA_N
 ClientSampleId :
 CB-EC-21-G

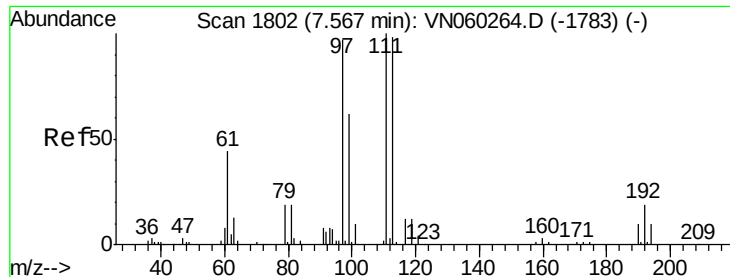
Tgt Ion: 65 Resp: 129175
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060445.D
 Acq: 11 Mar 2020 13:18

Tgt Ion: 114 Resp: 323781
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 16.3 0.0 31.6

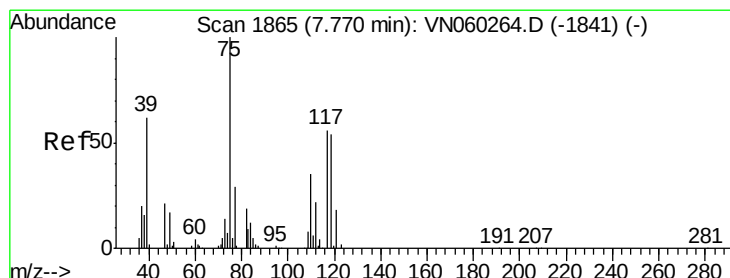
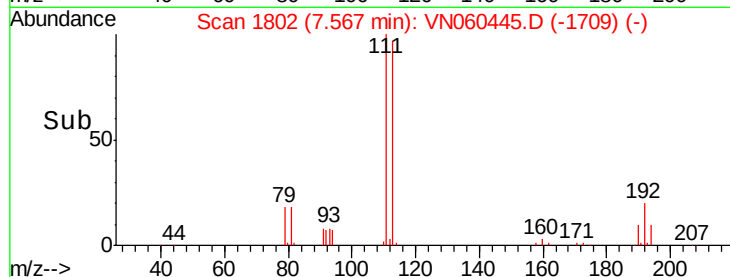
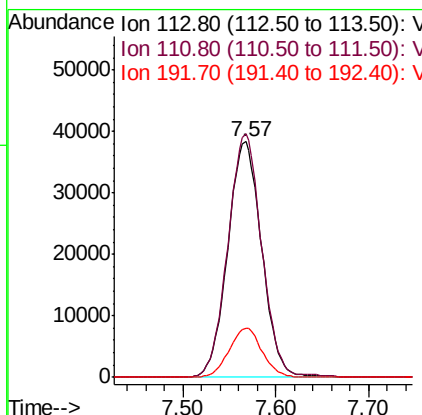
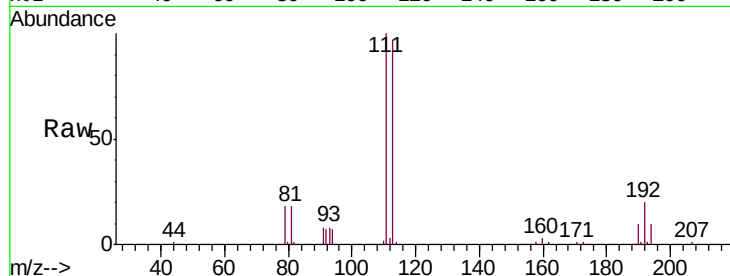




#35
 Dibromofluoromethane
 Concen: 64.813 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060445.D
 Acq: 11 Mar 2020 13:18

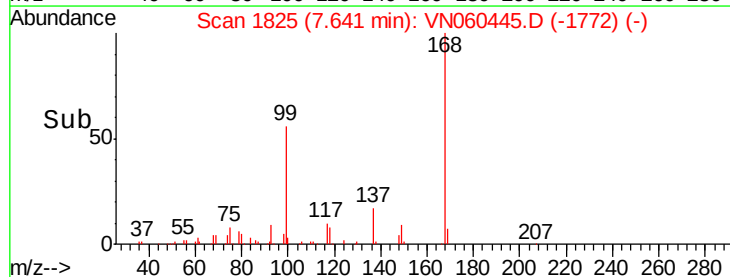
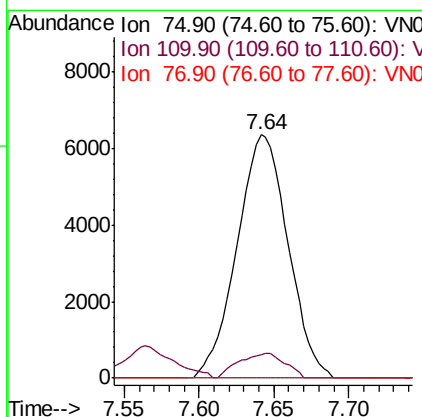
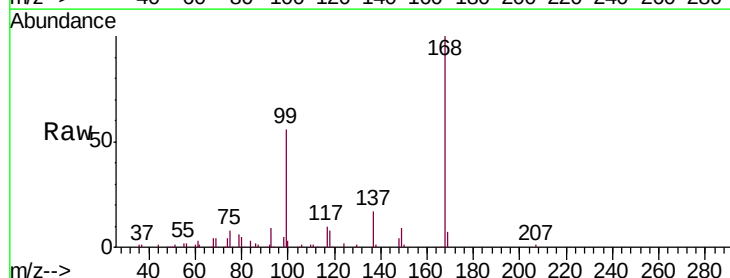
Instrument :
 MSVOA_N
 ClientSampleId :
 CB-EC-21-G

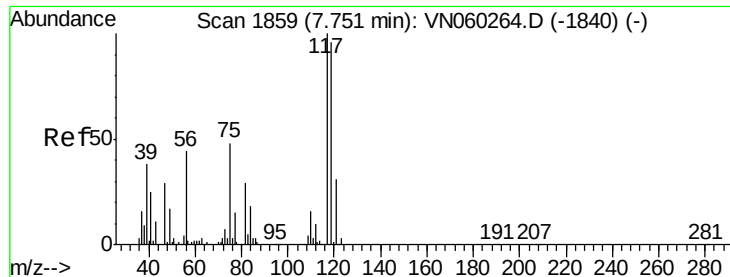
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	20.3	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.882 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060445.D
 Acq: 11 Mar 2020 13:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.3	52.0#
77	0.0	24.2	36.2#





#38

Carbon Tetrachloride

Concen: 6.314 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060445.D

Acq: 11 Mar 2020 13:18

Instrument :

MSVOA_N

ClientSampled :

CB-EC-21-G

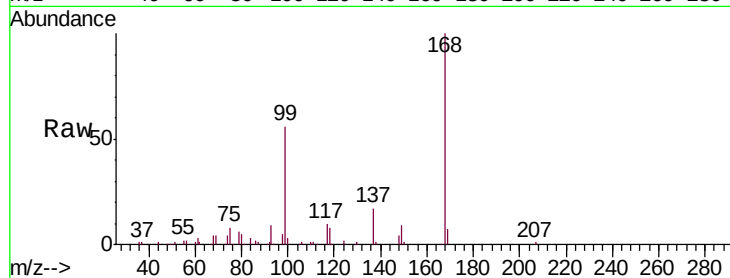
Tgt Ion: 117 Resp: 18969

Ion Ratio Lower Upper

117 100

119 4.7 76.7 115.1#

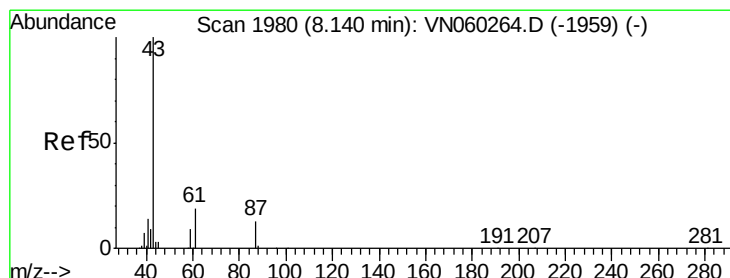
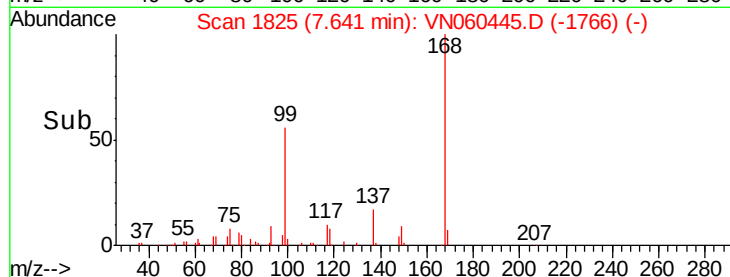
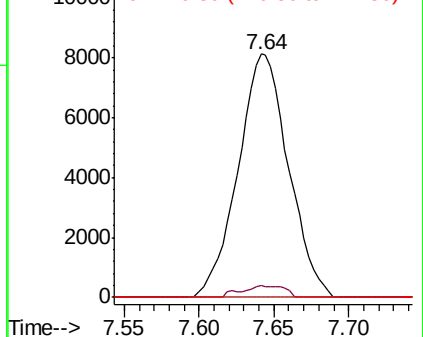
121 0.0 24.5 36.7#



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: 9.657 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060445.D

Acq: 11 Mar 2020 13:18

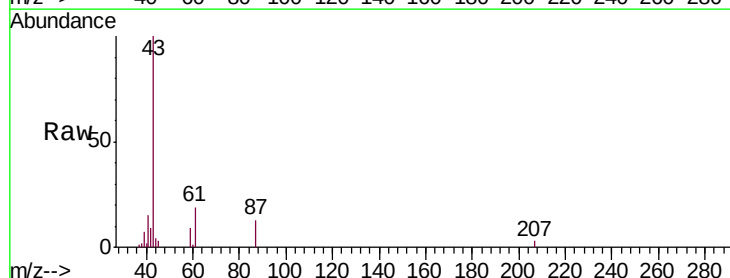
Tgt Ion: 43 Resp: 49400

Ion Ratio Lower Upper

43 100

61 19.1 20.9 31.3#

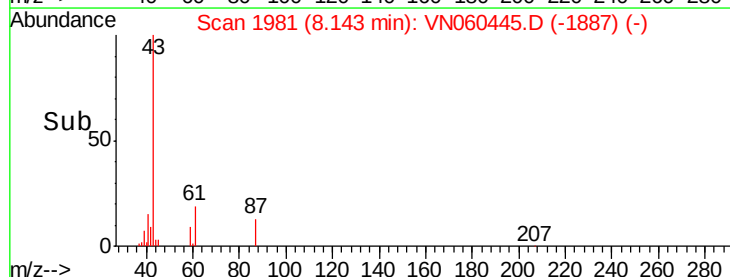
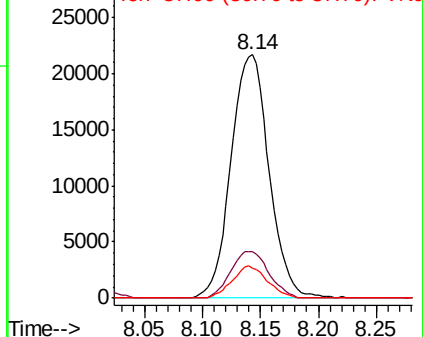
87 12.2 10.6 16.0

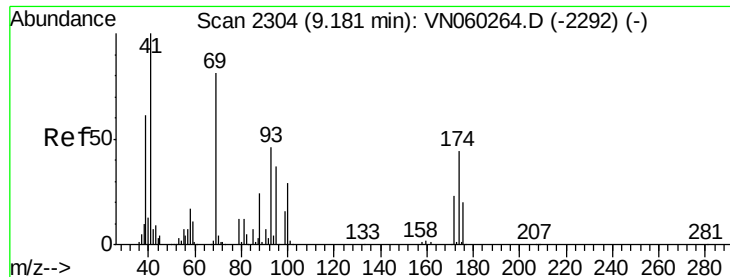


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

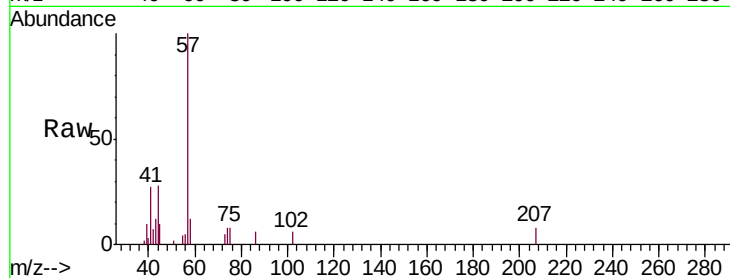




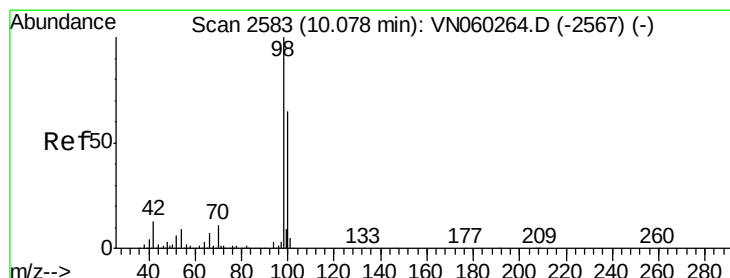
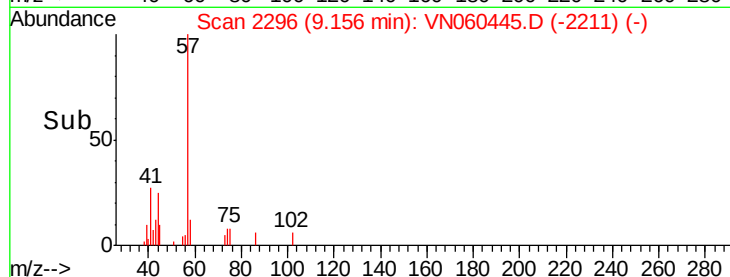
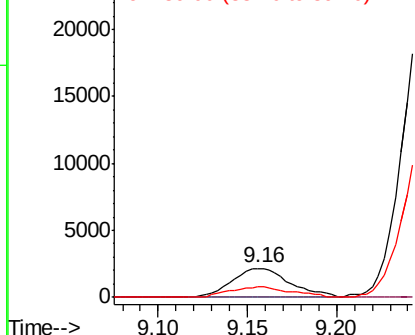
#48
Methyl methacrylate
Concen: 2.101 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN060445.D
Acq: 11 Mar 2020 13:18

Instrument :
MSVOA_N
ClientSampleId :
CB-EC-21-G

Tgt Ion: 41 Resp: 4900
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 38.6 50.1 75.1#

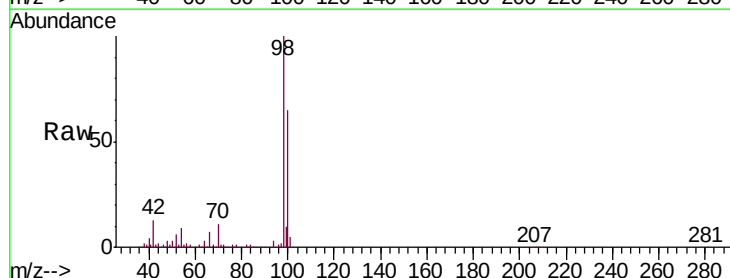


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

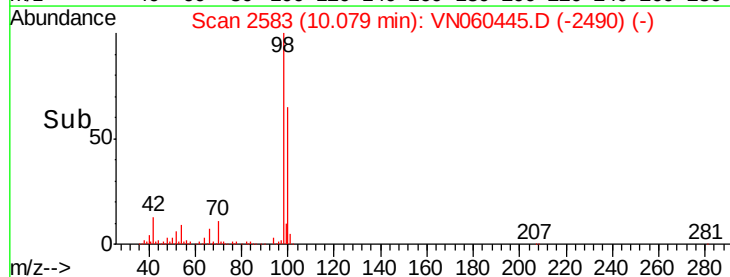
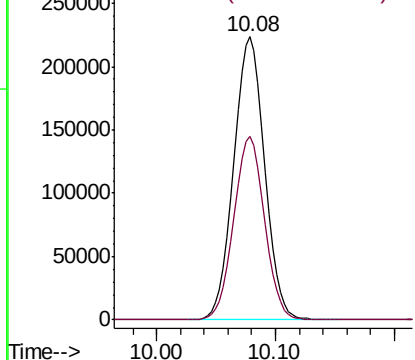


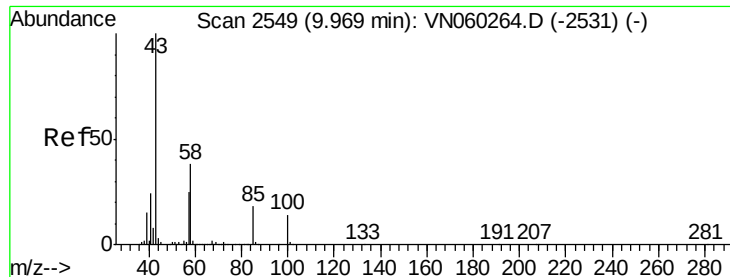
#50
Toluene-d8
Concen: 52.867 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060445.D
Acq: 11 Mar 2020 13:18

Tgt Ion: 98 Resp: 402125
Ion Ratio Lower Upper
98 100
100 64.6 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: 1.348 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060445.D

Acq: 11 Mar 2020 13:18

Instrument :

MSVOA_N

ClientSampled :

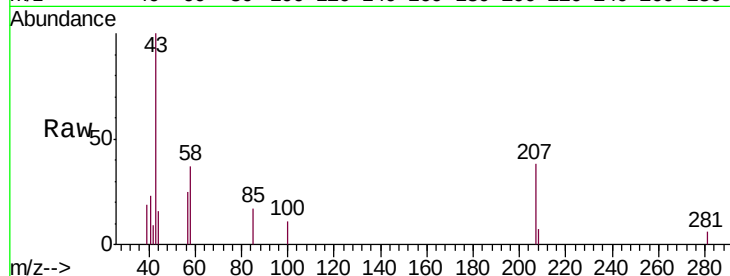
CB-EC-21-G

Tgt Ion: 43 Resp: 3909

Ion Ratio Lower Upper

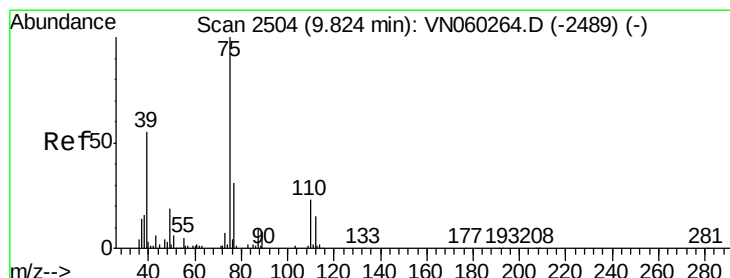
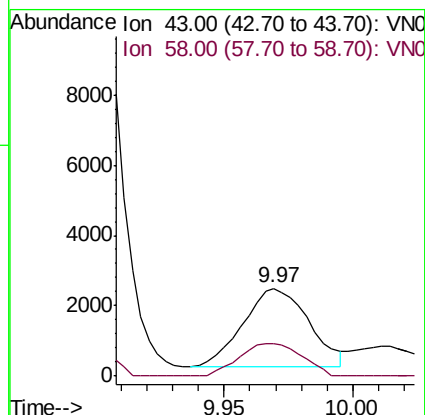
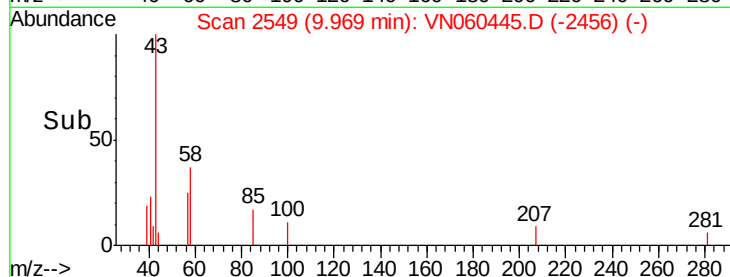
43 100

58 40.3 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: 5.624 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060445.D

Acq: 11 Mar 2020 13:18

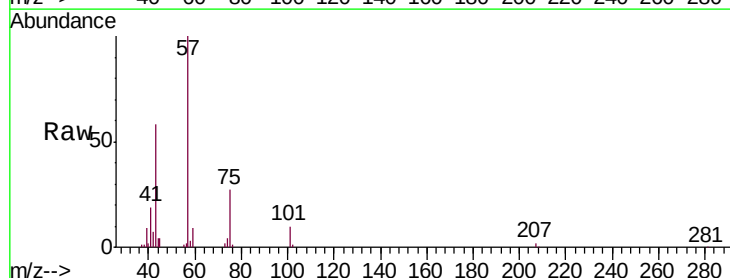
Tgt Ion: 75 Resp: 22129

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

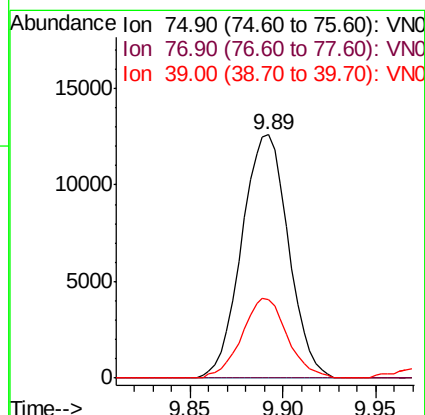
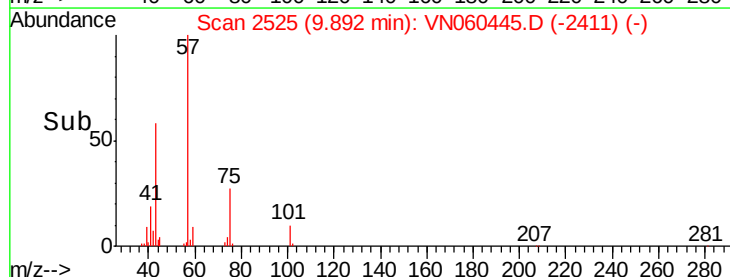
39 32.0 43.8 65.8#

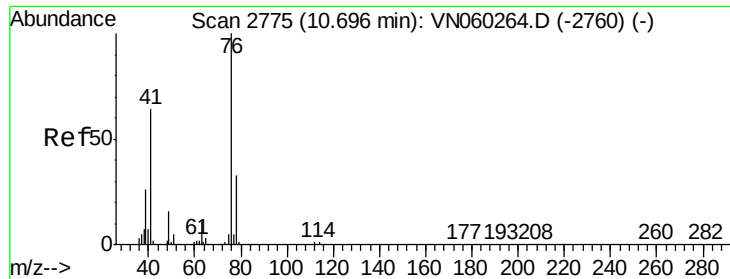


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

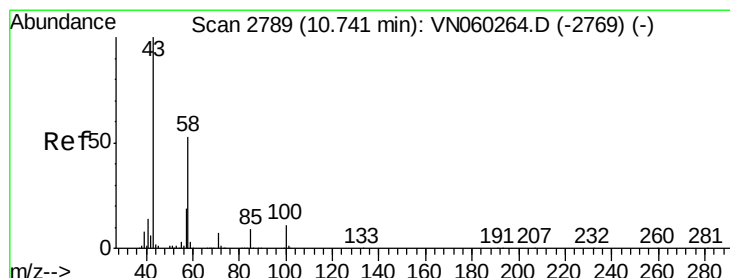
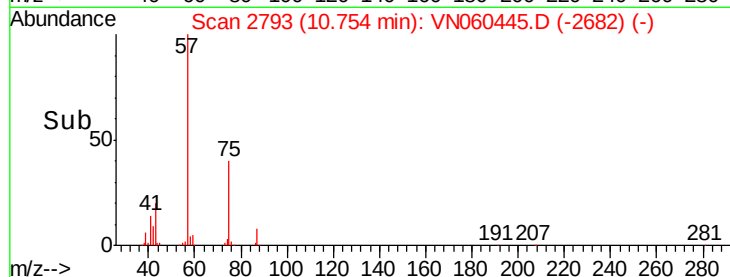
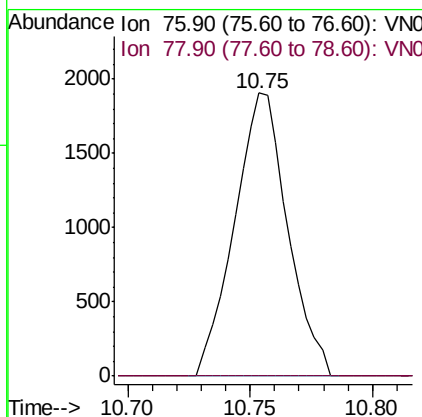
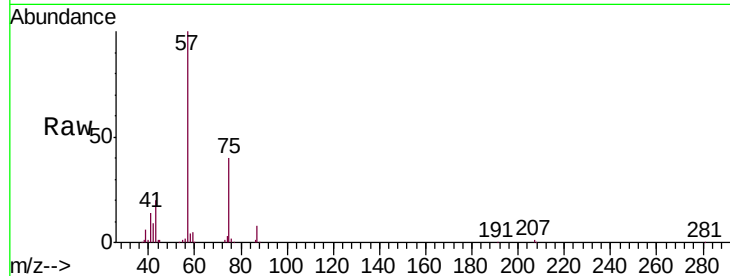




#57
 1,3-Dichloropropane
 Concen: 0.777 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060445.D
 Acq: 11 Mar 2020 13:18

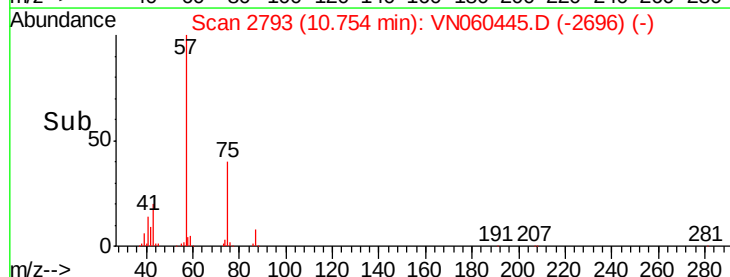
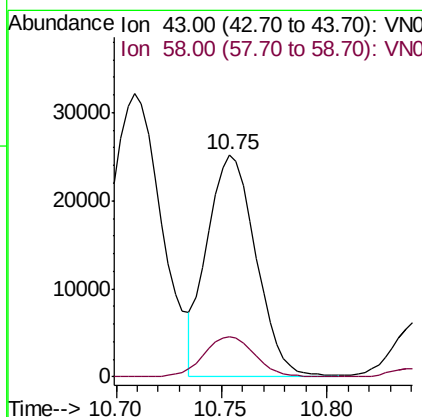
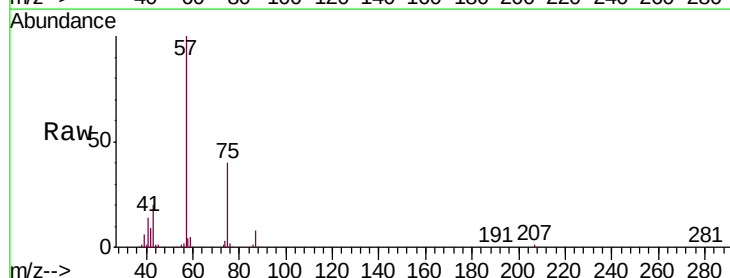
Instrument :
 MSVOA_N
 ClientSampleId :
 CB-EC-21-G

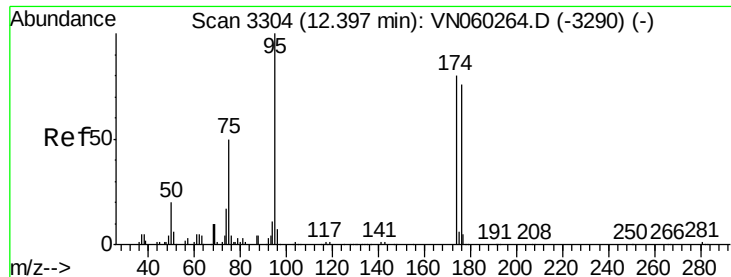
Tgt Ion: 76 Resp: 2875
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



#59
 2-Hexanone
 Concen: 19.035 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060445.D
 Acq: 11 Mar 2020 13:18

Tgt Ion: 43 Resp: 40533
 Ion Ratio Lower Upper
 43 100
 58 18.9 26.5 79.5#

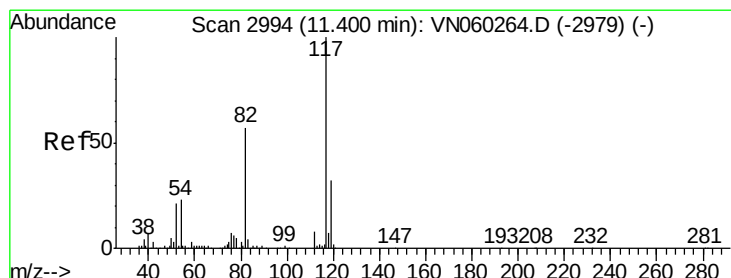
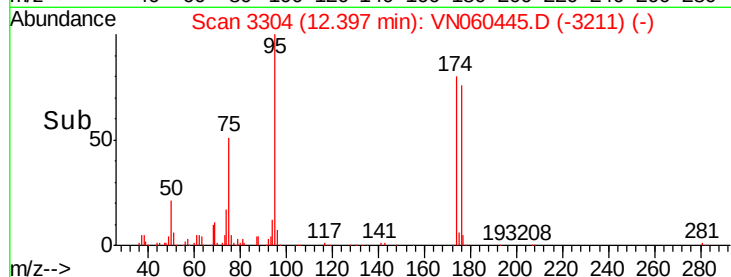
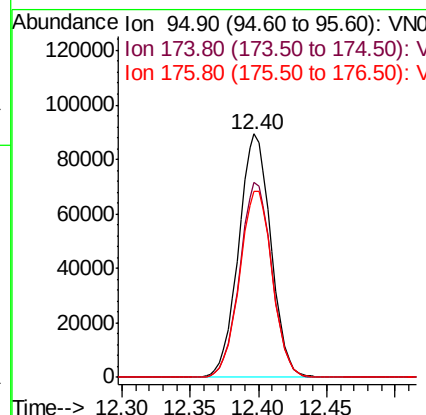
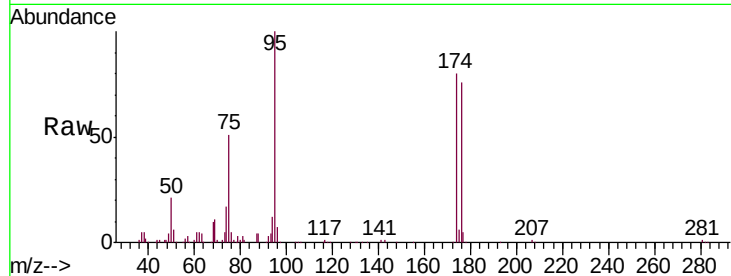




#62
4-Bromofluorobenzene
Concen: 50.754 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060445.D
Acq: 11 Mar 2020 13:18

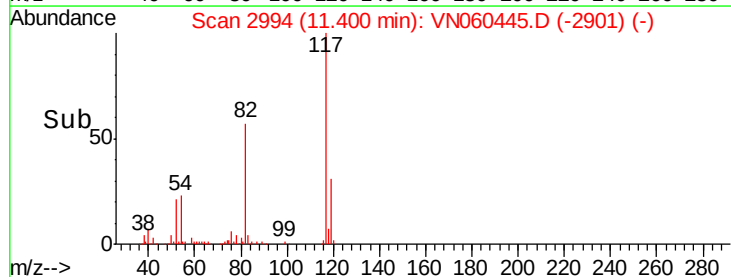
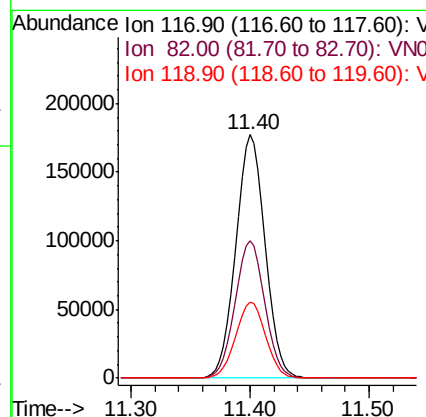
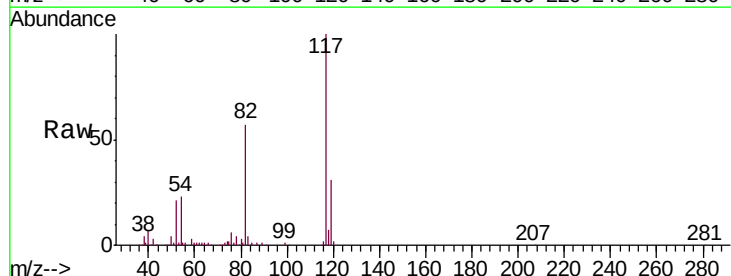
Instrument :
MSVOA_N
ClientSampleId :
CB-EC-21-G

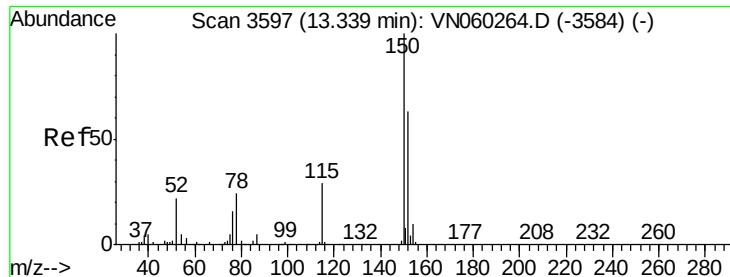
Tgt Ion: 95 Resp: 146341
Ion Ratio Lower Upper
95 100
174 80.0 0.0 159.2
176 78.0 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060445.D
Acq: 11 Mar 2020 13:18

Tgt Ion: 117 Resp: 302049
Ion Ratio Lower Upper
117 100
82 56.6 45.8 68.6
119 31.4 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060445.D

Acq: 11 Mar 2020 13:18

Instrument :

MSVOA_N

ClientSampleId :

CB-EC-21-G

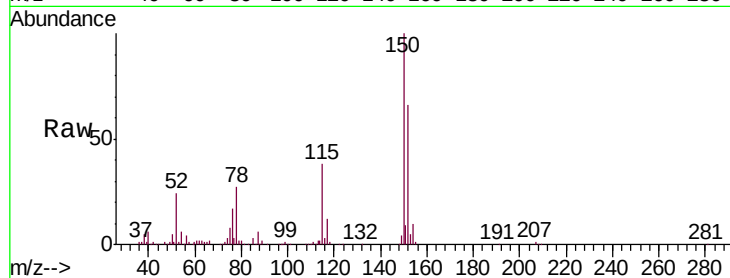
Tgt Ion:152 Resp: 141630

Ion Ratio Lower Upper

152 100

115 58.6 30.0 90.0

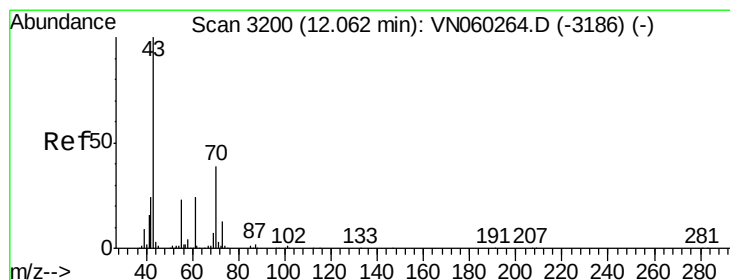
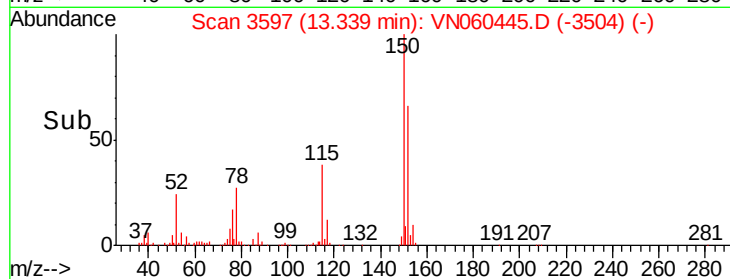
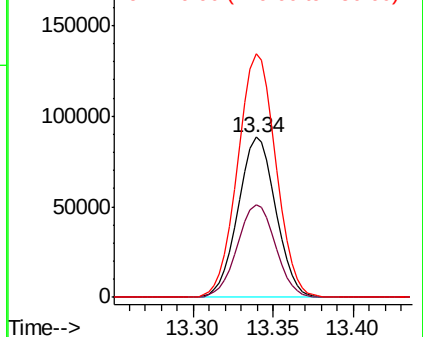
150 154.0 0.0 349.6



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-ethyl acetate

Concen: 0.843 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060445.D

Acq: 11 Mar 2020 13:18

Tgt Ion: 43 Resp: 3865

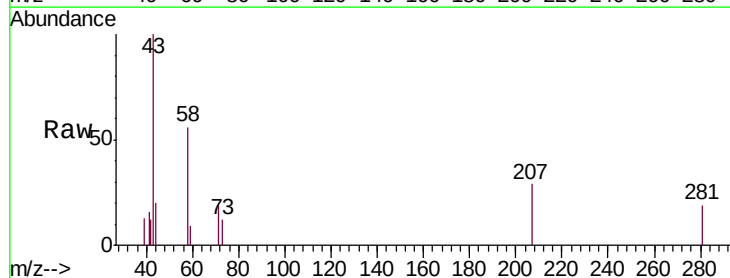
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

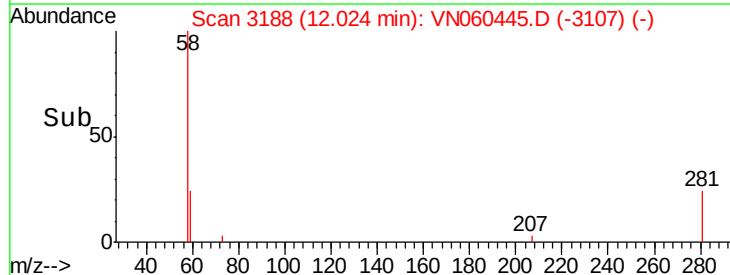
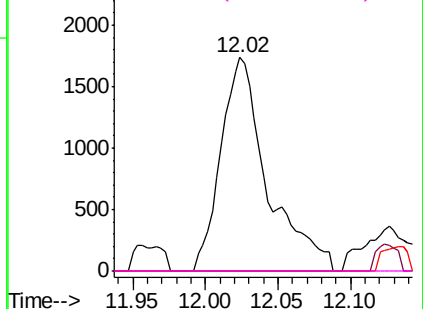


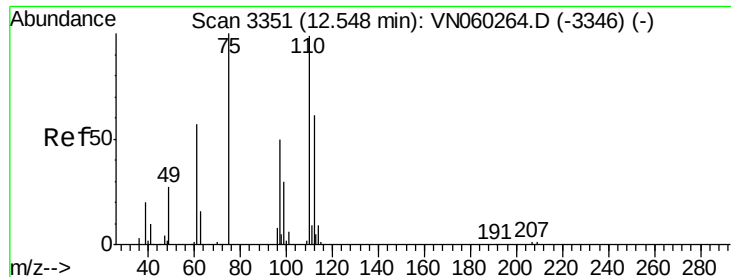
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#76

1,2,3-Trichloropropane

Concen: 24.103 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060445.D

Acq: 11 Mar 2020 13:18

Instrument :

MSVOA_N

ClientSampled :

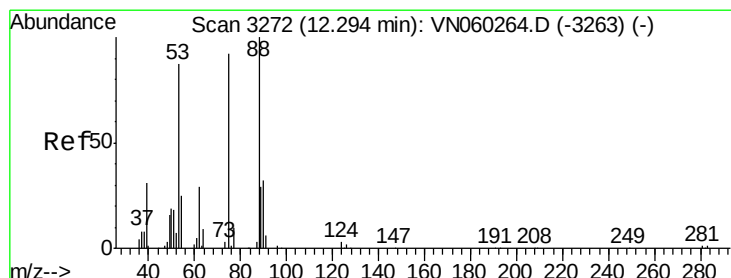
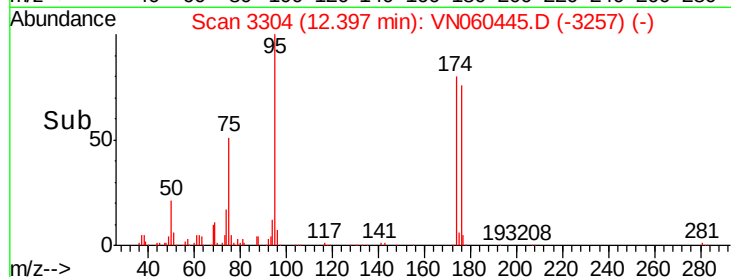
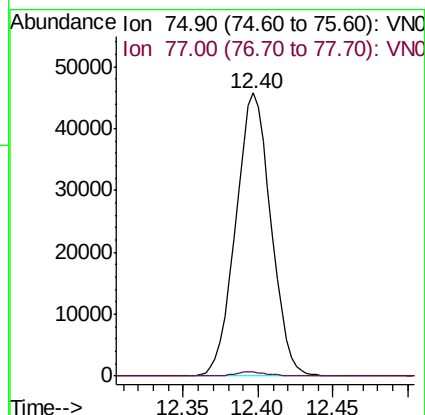
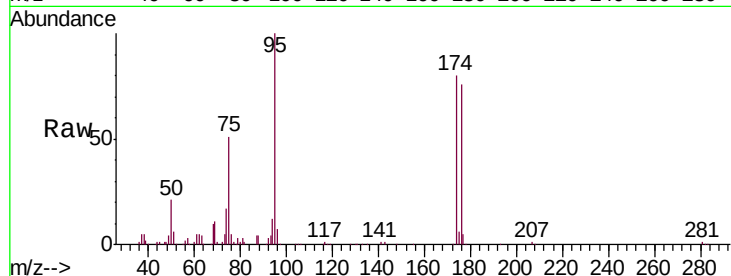
CB-EC-21-G

Tgt Ion: 75 Resp: 74896

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.535 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060445.D

Acq: 11 Mar 2020 13:18

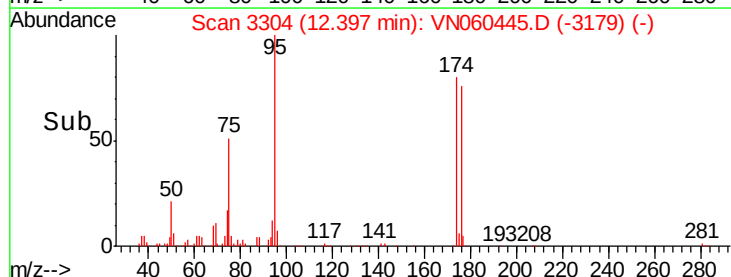
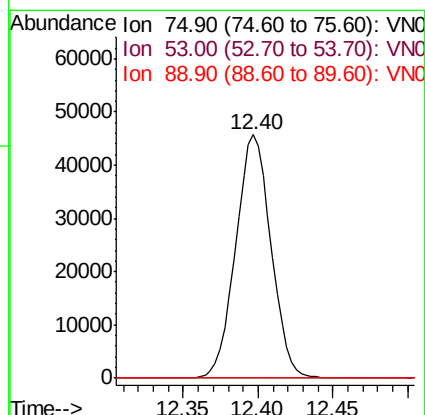
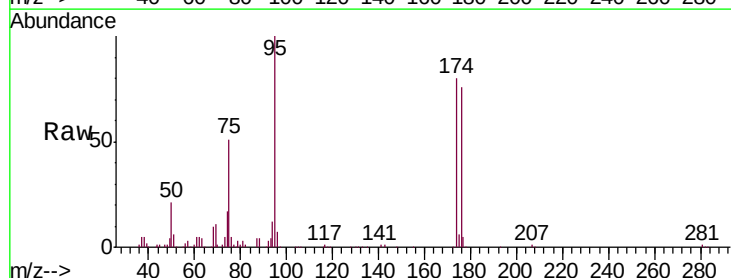
Tgt Ion: 75 Resp: 74896

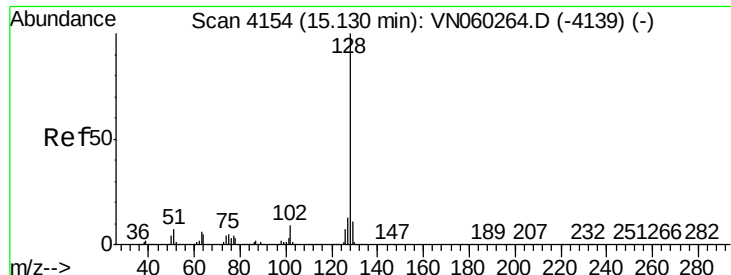
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#

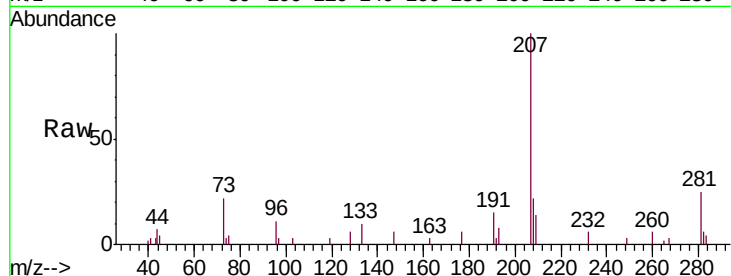




#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060445.D
Acq: 11 Mar 2020 13:18

Instrument :
MSVOA_N
ClientSampleId :
CB-EC-21-G

Tgt 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

