

Data File : VN060443.D
Acq On : 11 Mar 2020 12:33
Operator : JC/MD
Sample : L1853-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Mar 12 03:36:06 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	187593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	306516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	289297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135530	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	120407	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	7.57	113	90534	63.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.26%	
50) Toluene-d8	10.08	98	376649	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.40	95	140442	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds

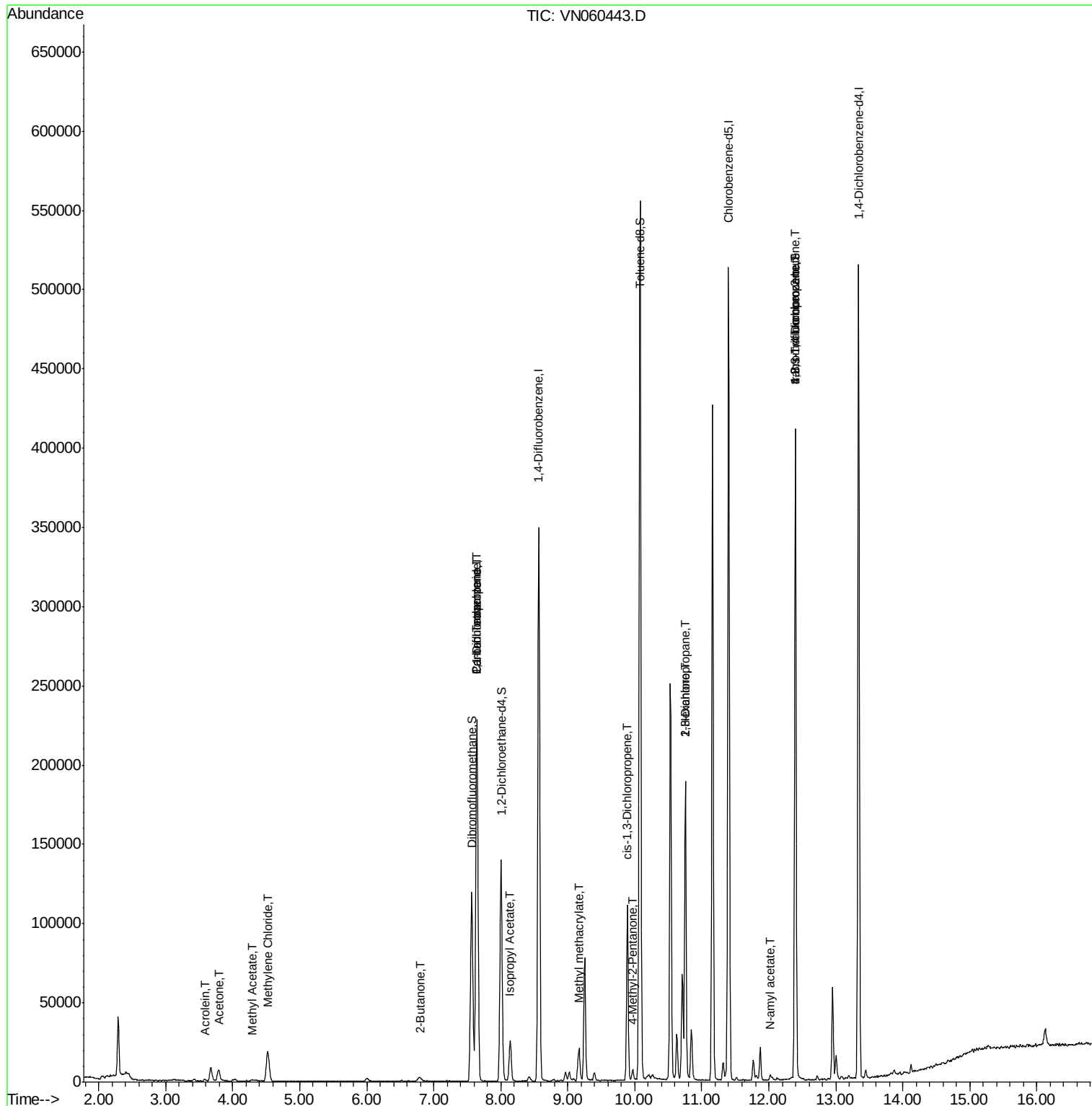
						Qvalue
13) Acrolein	3.58	56	1454	4.361	ug/l	87
16) Acetone	3.78	43	13294	17.104	ug/l	94
18) Methyl Acetate	4.29	43	1768	0.682	ug/l #	52
20) Methylene Chloride	4.52	84	14513	6.799	ug/l	98
25) 2-Butanone	6.81	43	2901	2.311	ug/l	97
31) Cyclohexane	7.64	56	4079	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14379	4.922	ug/l #	50
38) Carbon Tetrachloride	7.64	117	17938	6.307	ug/l #	15
43) Isopropyl Acetate	8.14	43	31170	6.437	ug/l #	90
48) Methyl methacrylate	9.16	41	4143	1.876	ug/l #	33
51) 4-Methyl-2-Pentanone	9.97	43	4094	1.491	ug/l	96
54) cis-1,3-Dichloropropene	9.89	75	19795	5.314	ug/l #	59
57) 1,3-Dichloropropane	10.76	76	1772	0.506	ug/l #	42
59) 2-Hexanone	10.75	43	27478	13.631	ug/l #	53
74) N-amyl acetate	12.02	43	3586	0.817	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	72168	24.270	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	72168	66.997	ug/l #	8
95) Naphthalene	15.13	128	848	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.32	180	68	Below Cal	#	12

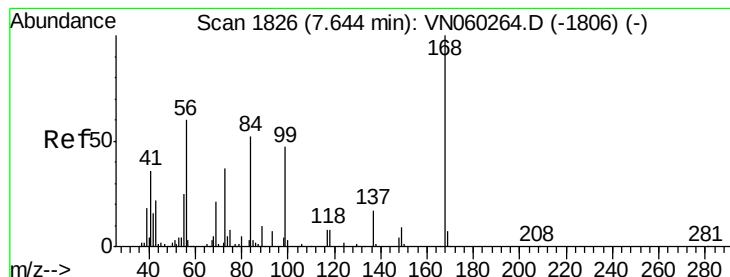
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060443.D

Acq: 11 Mar 2020 12:33

Instrument :

MSVOA_N

ClientSampled :

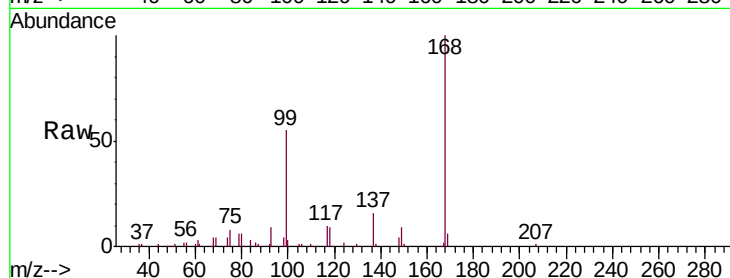
CB-EC-52-G

Tgt Ion:168 Resp: 187593

Ion Ratio Lower Upper

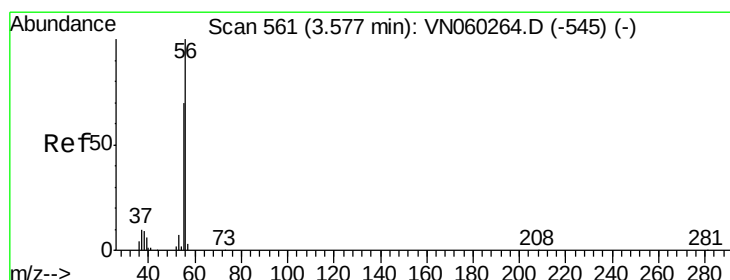
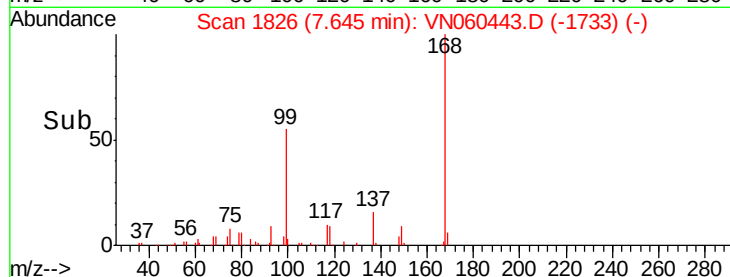
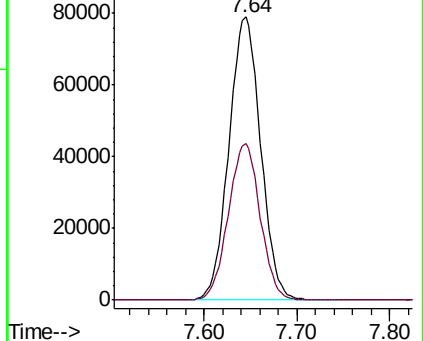
168 100

99 55.2 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: 4.361 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN060443.D

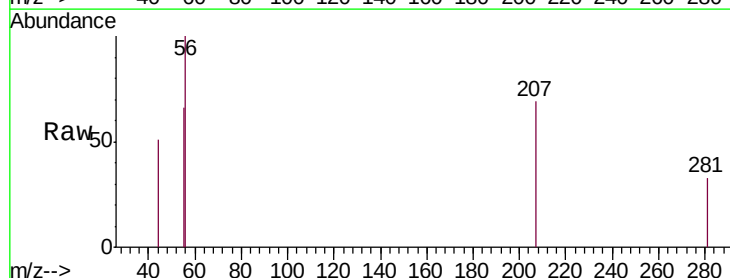
Acq: 11 Mar 2020 12:33

Tgt Ion: 56 Resp: 1454

Ion Ratio Lower Upper

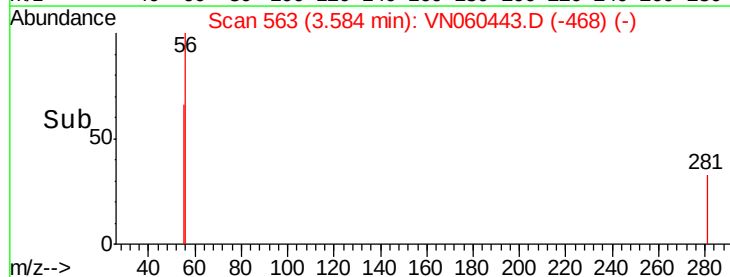
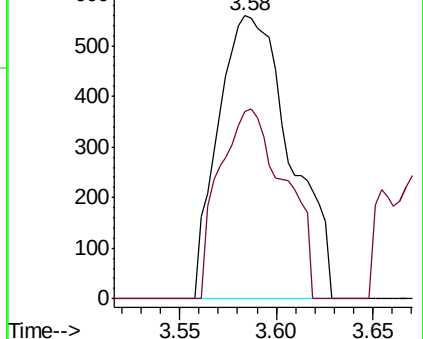
56 100

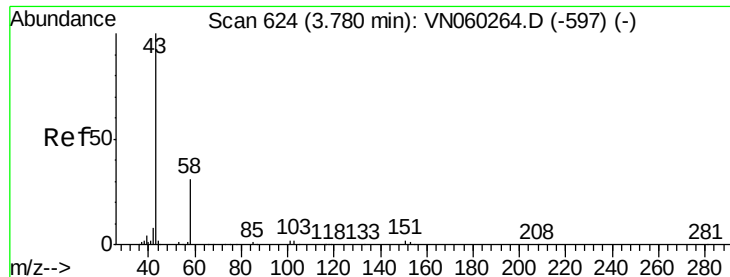
55 60.8 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN





#16

Acetone

Concen: 17.104 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060443.D

Acq: 11 Mar 2020 12:33

Instrument :

MSVOA_N

ClientSampled :

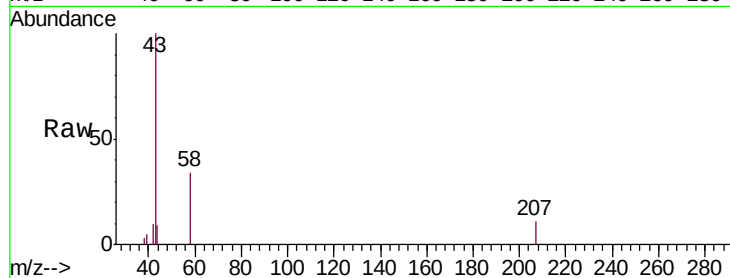
CB-EC-52-G

Tgt Ion: 43 Resp: 13294

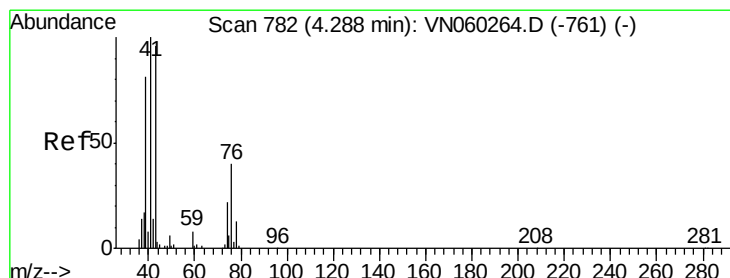
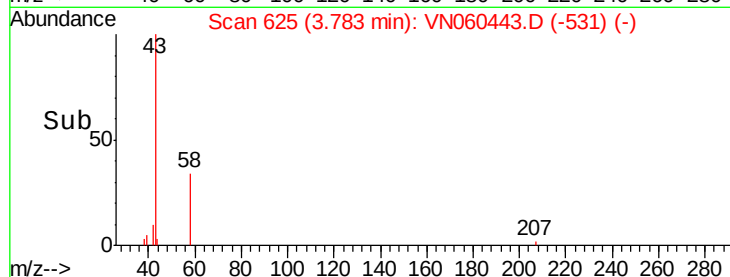
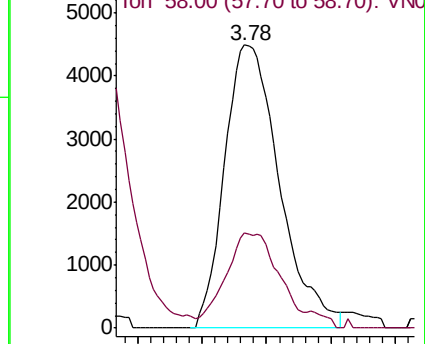
Ion Ratio Lower Upper

43 100

58 33.7 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060443.D (-597) (-)



#18

Methyl Acetate

Concen: 0.682 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN060443.D

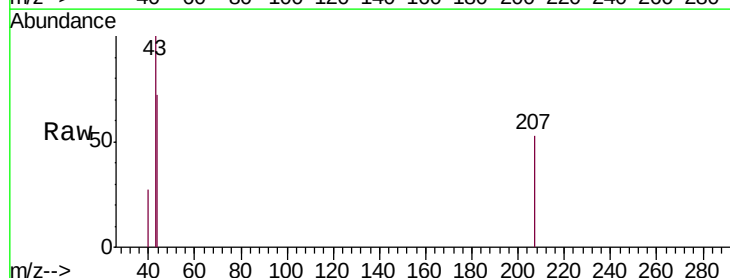
Acq: 11 Mar 2020 12:33

Tgt Ion: 43 Resp: 1768

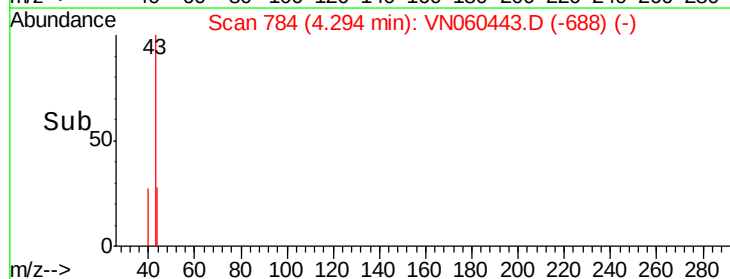
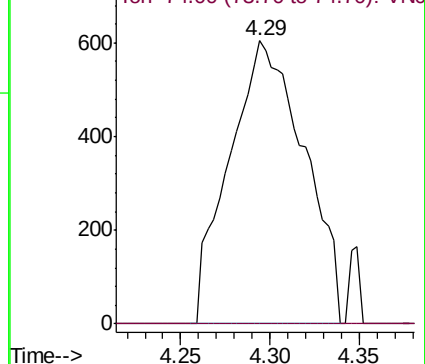
Ion Ratio Lower Upper

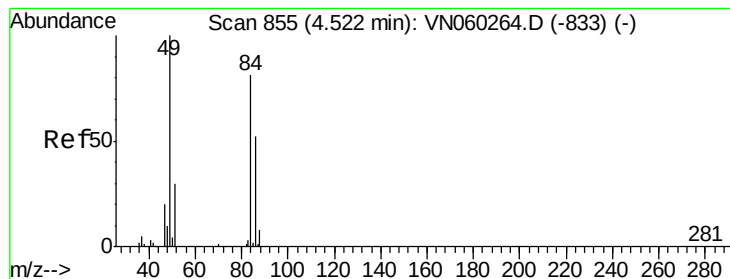
43 100

74 0.0 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060443.D (-761) (-)





#20

Methylene Chloride

Concen: 6.799 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN060443.D

Acq: 11 Mar 2020 12:33

Instrument :

MSVOA_N

ClientSampled :

CB-EC-52-G

Tgt Ion: 84 Resp: 14513

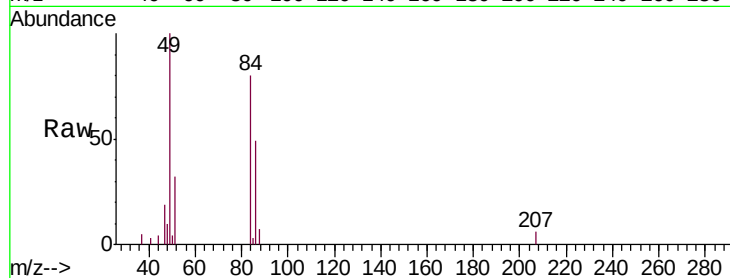
Ion Ratio Lower Upper

84 100

49 124.4 99.3 148.9

51 40.3 30.1 45.1

86 61.0 51.1 76.7

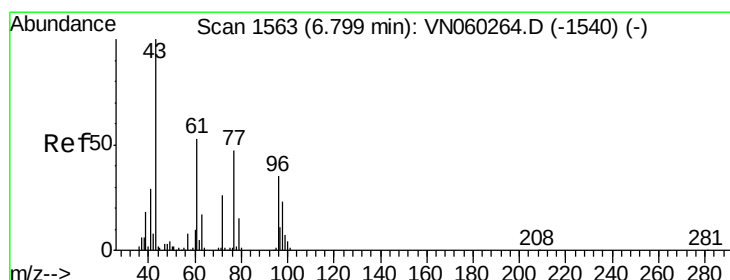
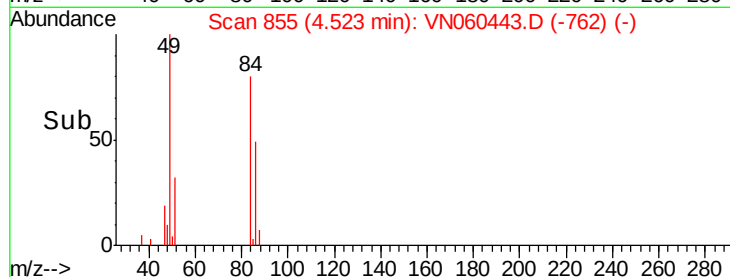
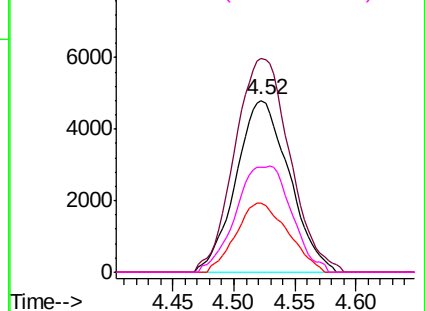


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 2.311 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN060443.D

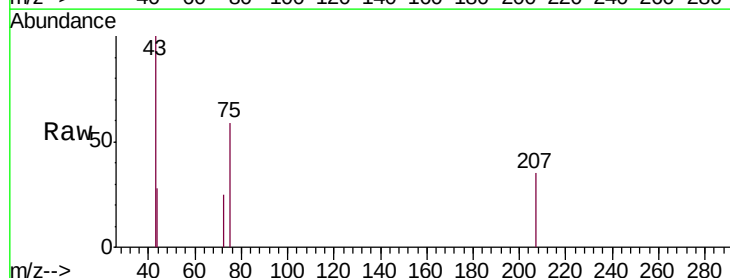
Acq: 11 Mar 2020 12:33

Tgt Ion: 43 Resp: 2901

Ion Ratio Lower Upper

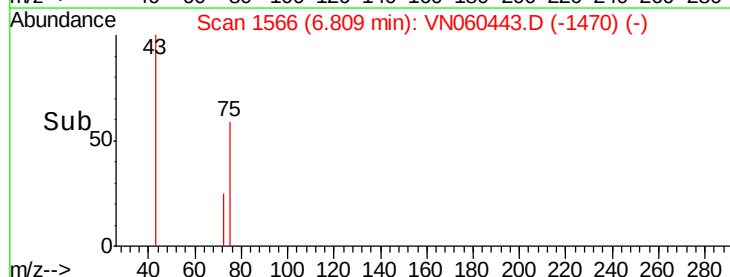
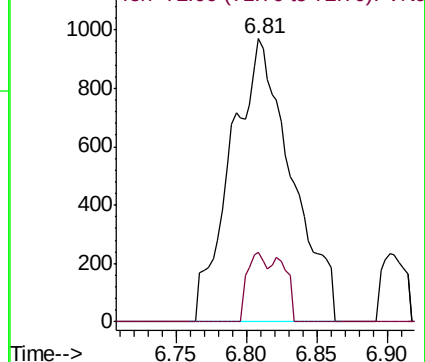
43 100

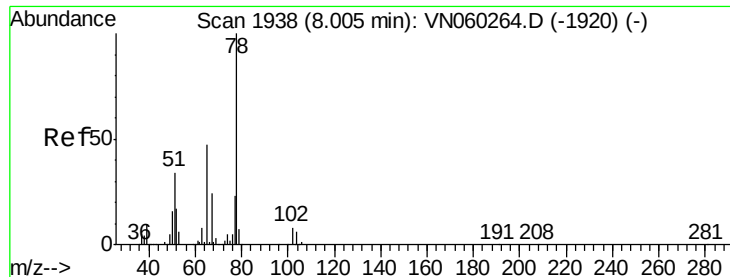
72 24.6 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

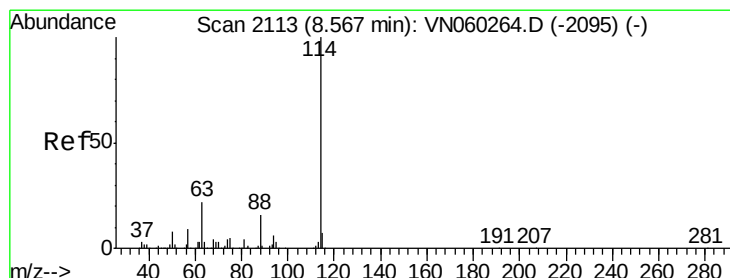
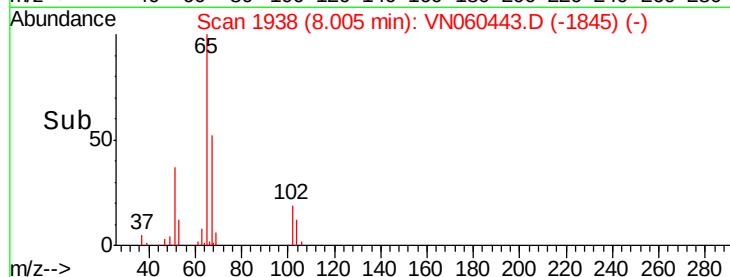
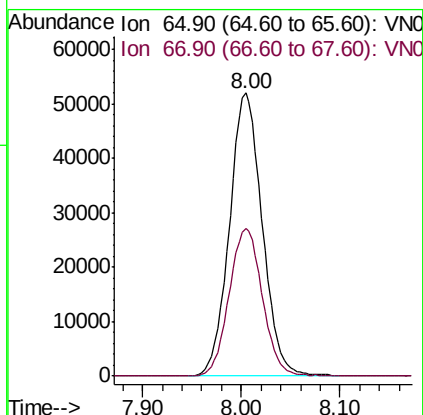
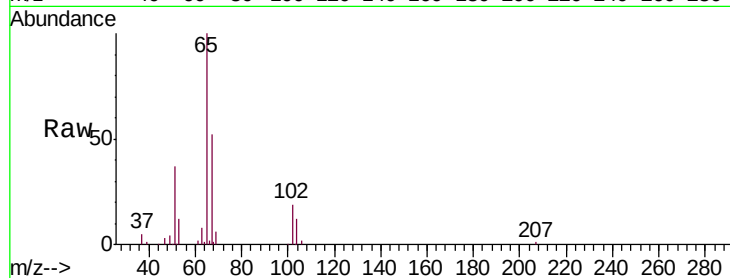




#33
 1,2-Dichloroethane-d4
 Concen: 50.027 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060443.D
 Acq: 11 Mar 2020 12:33

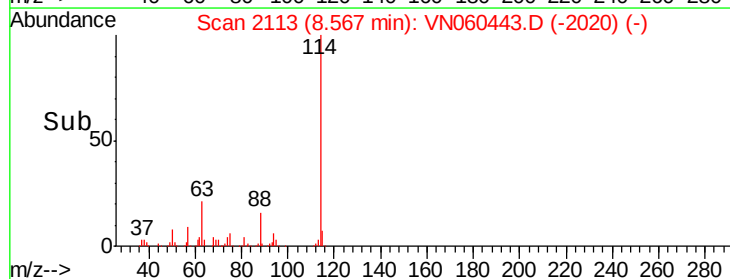
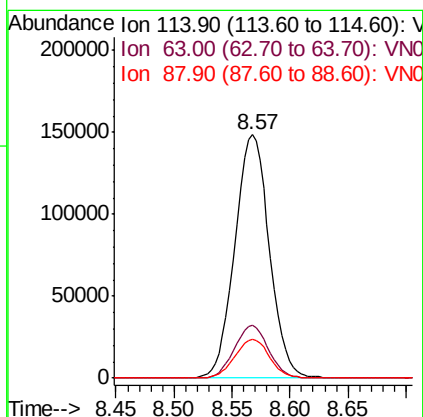
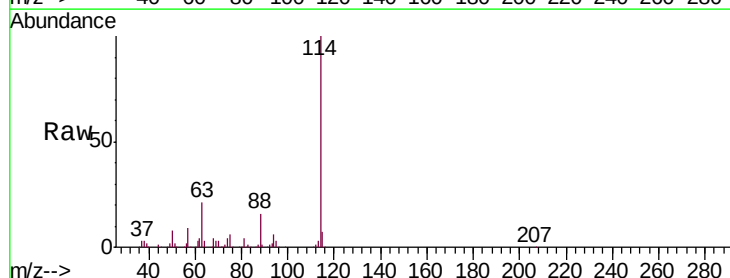
Instrument :
 MSVOA_N
 ClientSampleId :
 CB-EC-52-G

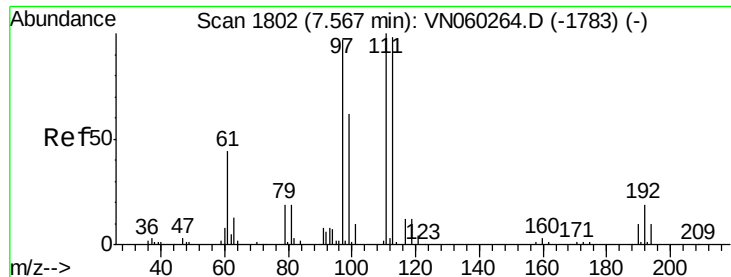
Tgt Ion: 65 Resp: 120407
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060443.D
 Acq: 11 Mar 2020 12:33

Tgt Ion: 114 Resp: 306516
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 63.633 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060443.D

Acq: 11 Mar 2020 12:33

Instrument :

MSVOA_N

ClientSampleId :

CB-EC-52-G

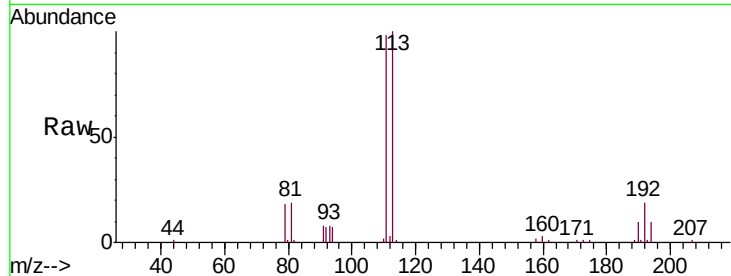
Tgt Ion:113 Resp: 90534

Ion Ratio Lower Upper

113 100

111 103.8 82.4 123.6

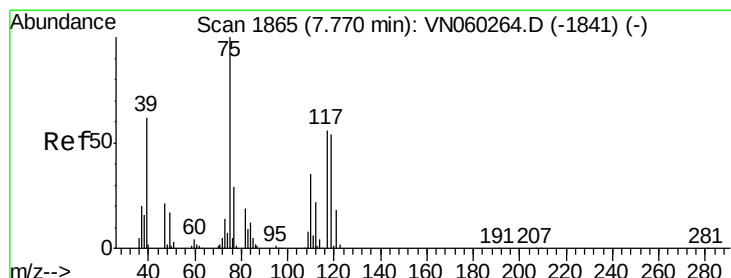
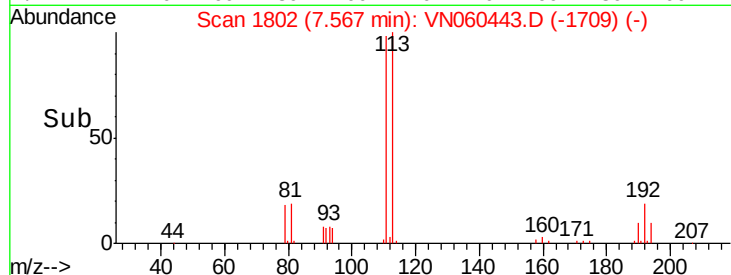
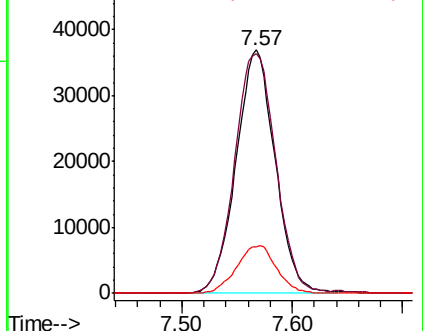
192 20.0 16.2 24.2



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: 4.922 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060443.D

Acq: 11 Mar 2020 12:33

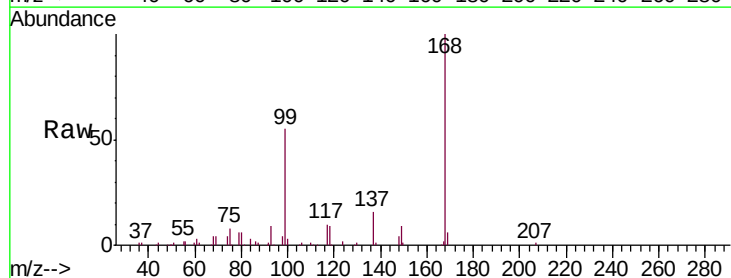
Tgt Ion: 75 Resp: 14379

Ion Ratio Lower Upper

75 100

110 8.3 17.3 52.0#

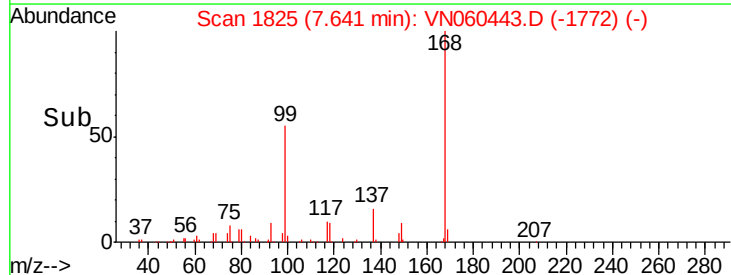
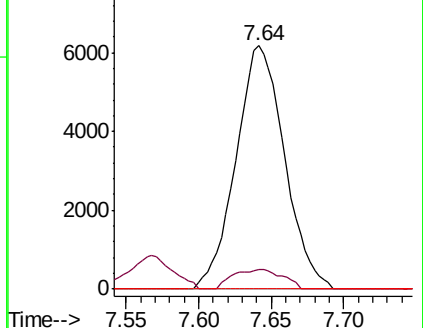
77 0.0 24.2 36.2#

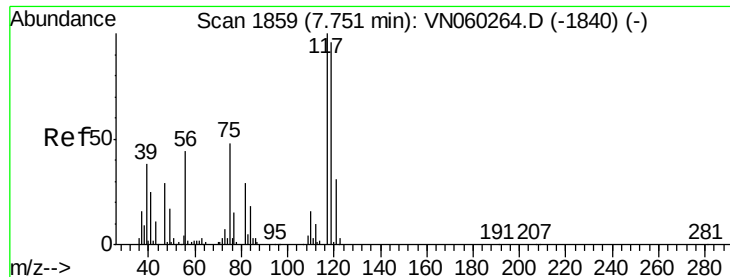


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.307 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060443.D

Acq: 11 Mar 2020 12:33

Instrument :

MSVOA_N

ClientSampled :

CB-EC-52-G

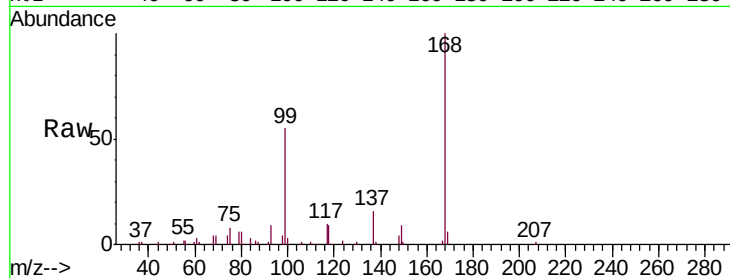
Tgt Ion: 117 Resp: 17938

Ion Ratio Lower Upper

117 100

119 4.2 76.7 115.1#

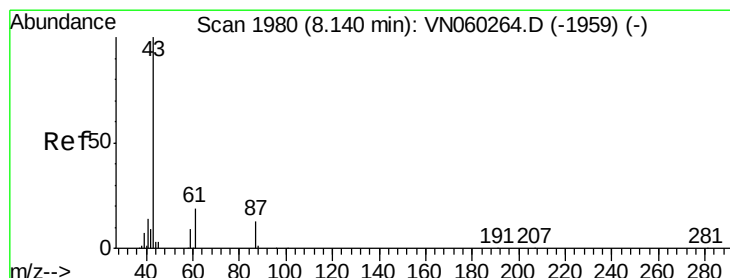
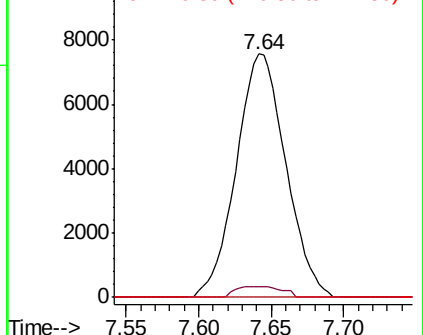
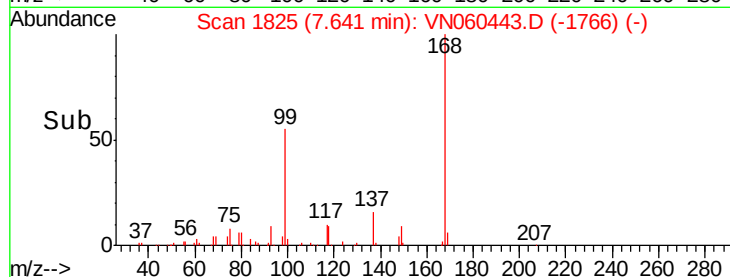
121 0.0 24.5 36.7#



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: 6.437 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060443.D

Acq: 11 Mar 2020 12:33

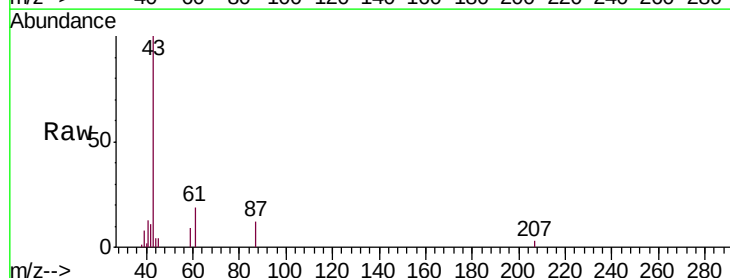
Tgt Ion: 43 Resp: 31170

Ion Ratio Lower Upper

43 100

61 19.3 20.9 31.3#

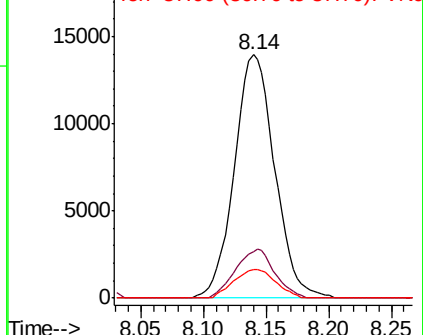
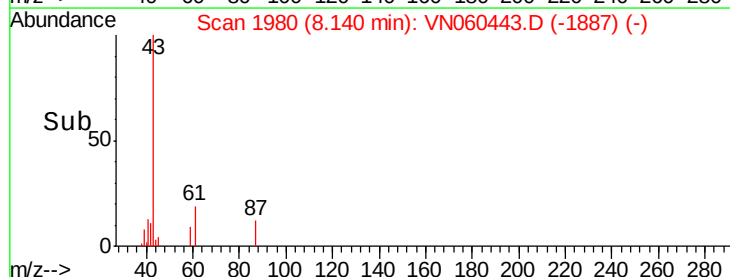
87 12.1 10.6 16.0

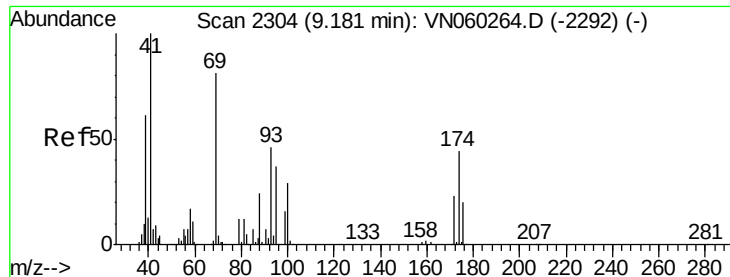


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

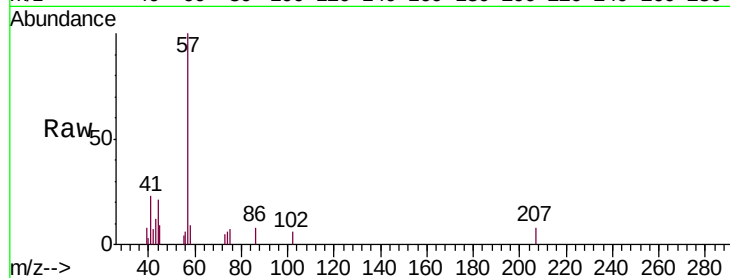




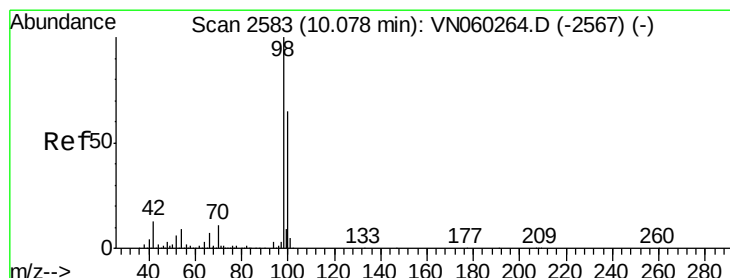
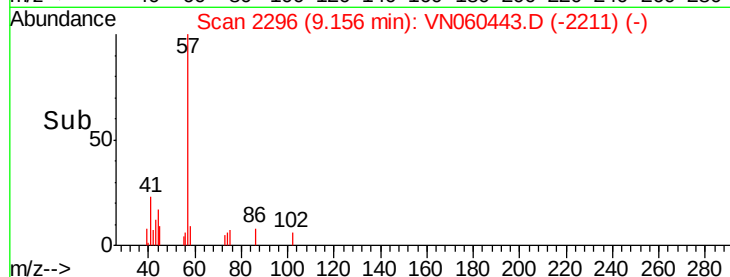
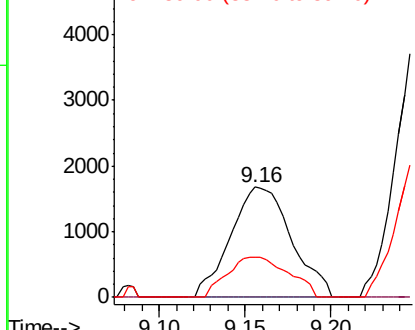
#48
Methyl methacrylate
Concen: 1.876 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN060443.D
Acq: 11 Mar 2020 12:33

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

Tgt Ion: 41 Resp: 4143
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 36.4 50.1 75.1#

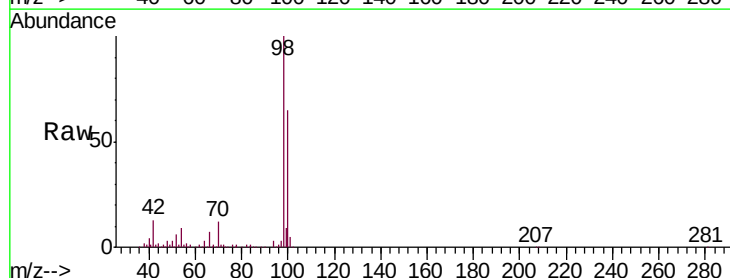


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

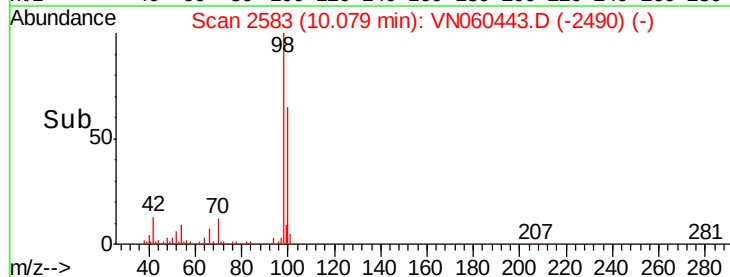
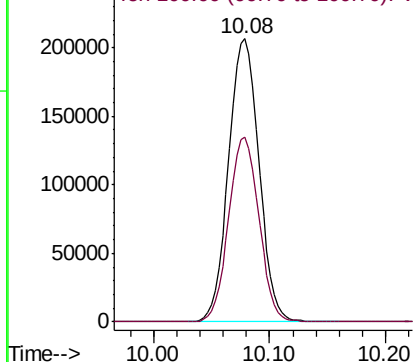


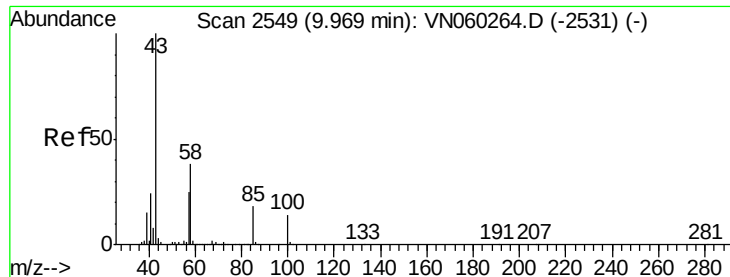
#50
Toluene-d8
Concen: 52.307 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060443.D
Acq: 11 Mar 2020 12:33

Tgt Ion: 98 Resp: 376649
Ion Ratio Lower Upper
98 100
100 65.0 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: 1.491 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060443.D

Acq: 11 Mar 2020 12:33

Instrument :

MSVOA_N

ClientSampleId :

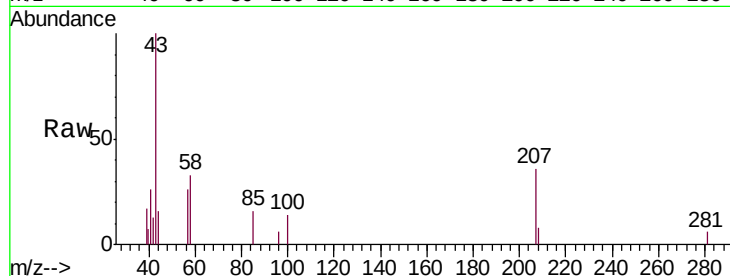
CB-EC-52-G

Tgt Ion: 43 Resp: 4094

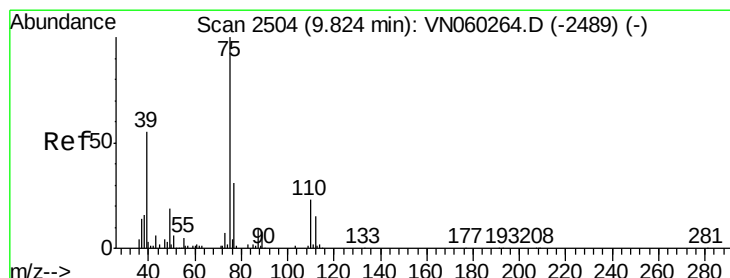
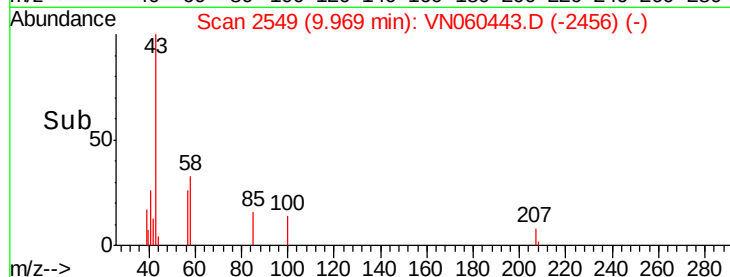
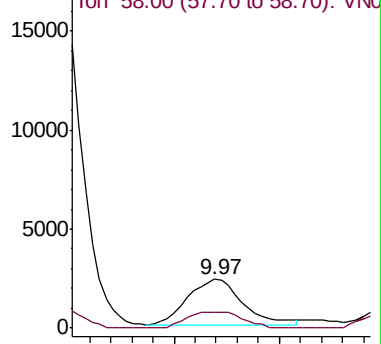
Ion Ratio Lower Upper

43 100

58 36.3 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060443.D (-2456) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.314 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060443.D

Acq: 11 Mar 2020 12:33

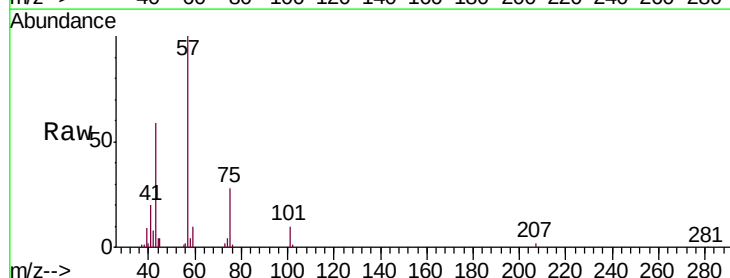
Tgt Ion: 75 Resp: 19795

Ion Ratio Lower Upper

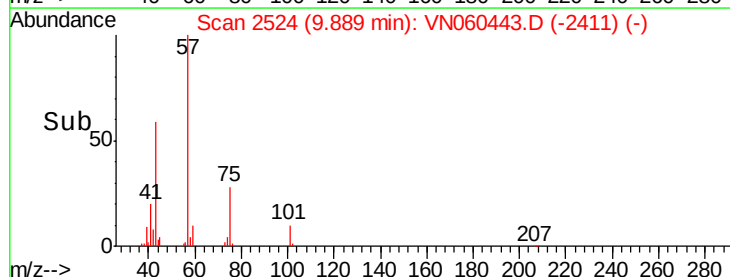
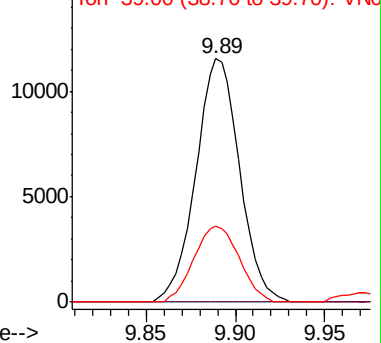
75 100

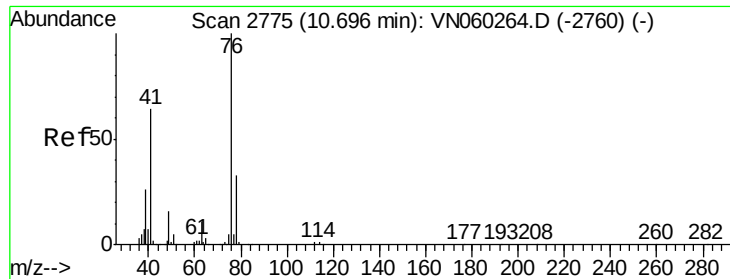
77 0.0 24.8 37.2#

39 31.3 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VN060443.D (-2411) (-)

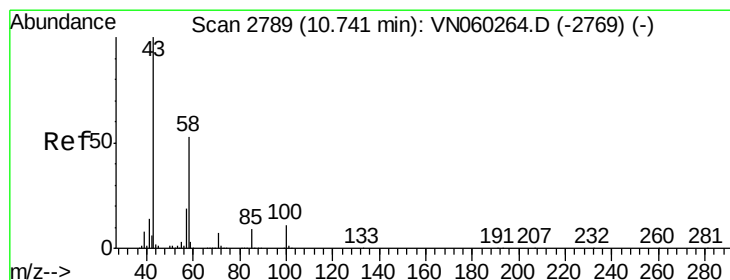
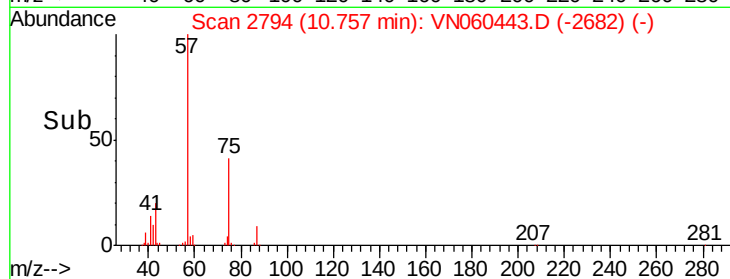
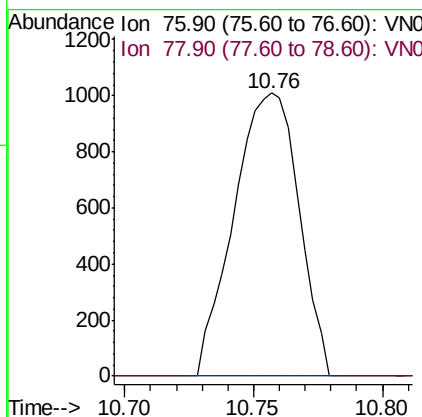
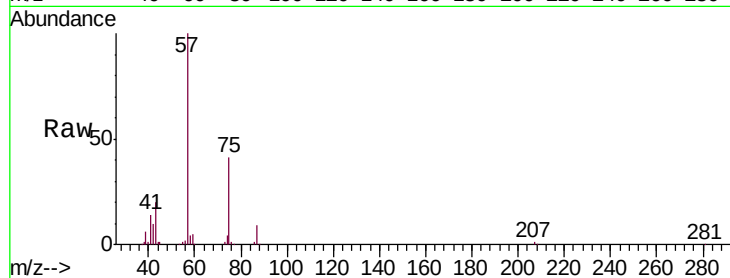




#57
 1,3-Dichloropropane
 Concen: 0.506 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN060443.D
 Acq: 11 Mar 2020 12:33

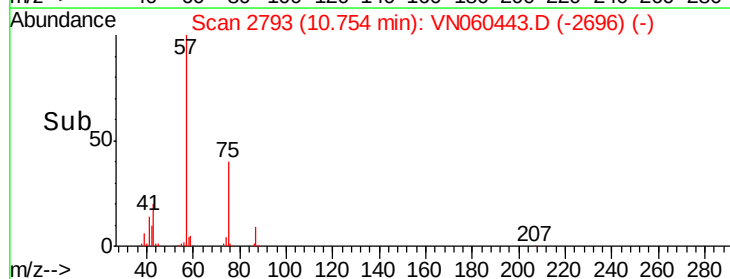
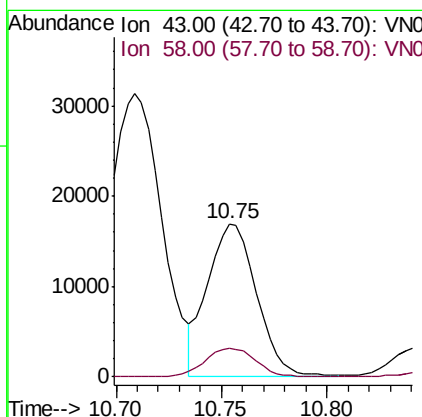
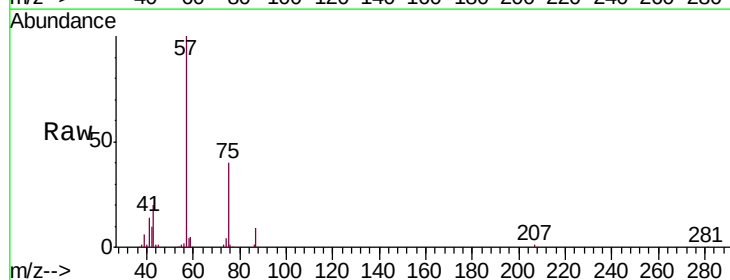
Instrument :
 MSVOA_N
 ClientSampleId :
 CB-EC-52-G

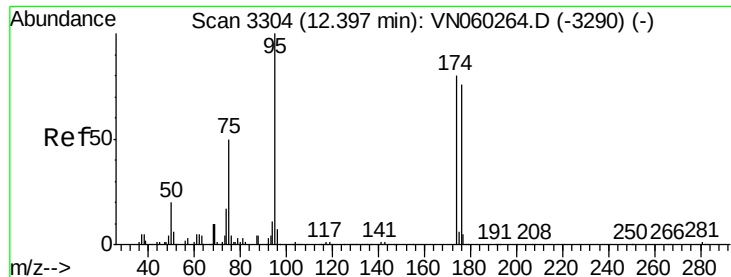
Tgt Ion: 76 Resp: 1772
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



#59
 2-Hexanone
 Concen: 13.631 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060443.D
 Acq: 11 Mar 2020 12:33

Tgt Ion: 43 Resp: 27478
 Ion Ratio Lower Upper
 43 100
 58 19.3 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 51.451 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060443.D

Acq: 11 Mar 2020 12:33

Instrument :

MSVOA_N

ClientSampled :

CB-EC-52-G

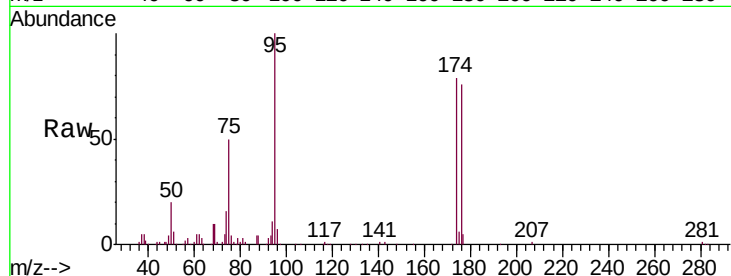
Tgt Ion: 95 Resp: 140442

Ion Ratio Lower Upper

95 100

174 80.1 0.0 159.2

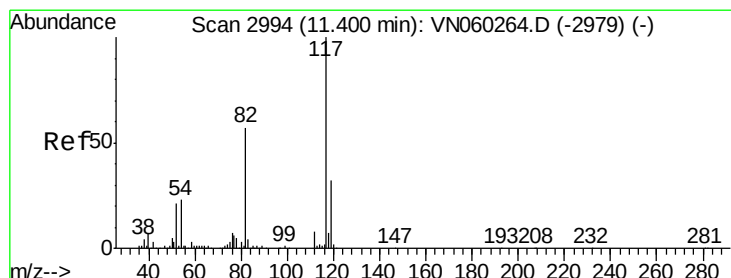
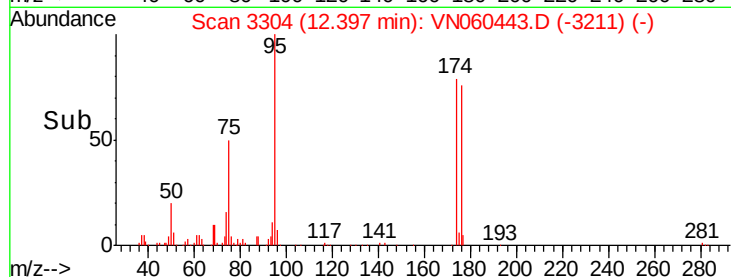
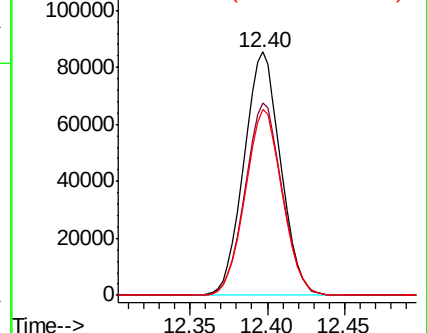
176 77.4 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060443.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060443.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060443.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060443.D

Acq: 11 Mar 2020 12:33

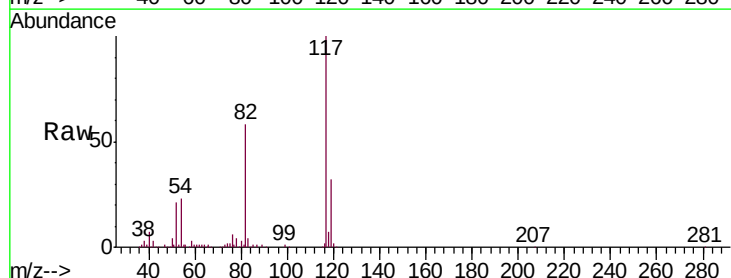
Tgt Ion: 117 Resp: 289297

Ion Ratio Lower Upper

117 100

82 58.0 45.8 68.6

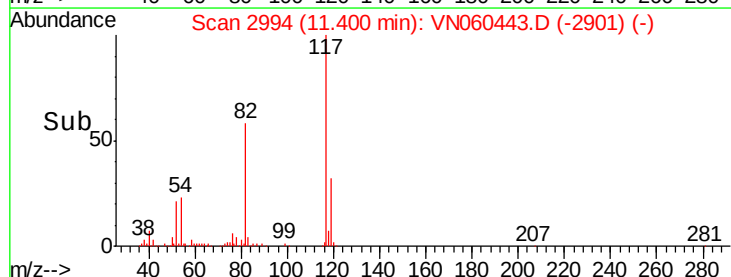
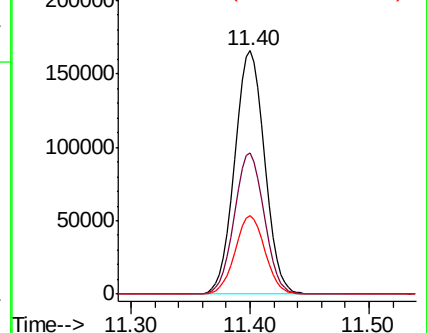
119 32.0 25.8 38.8

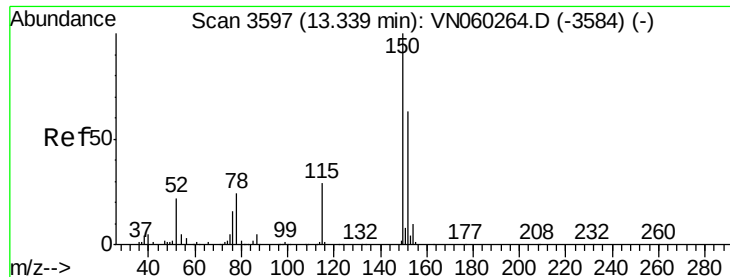


Abundance Ion 116.90 (116.60 to 117.60): VN060443.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060443.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060443.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060443.D

Acq: 11 Mar 2020 12:33

Instrument :

MSVOA_N

ClientSampleId :

CB-EC-52-G

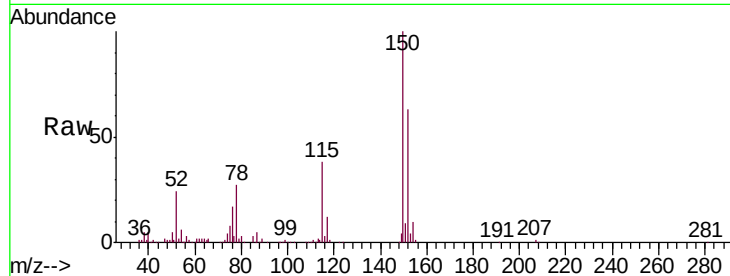
Tgt Ion: 152 Resp: 135530

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

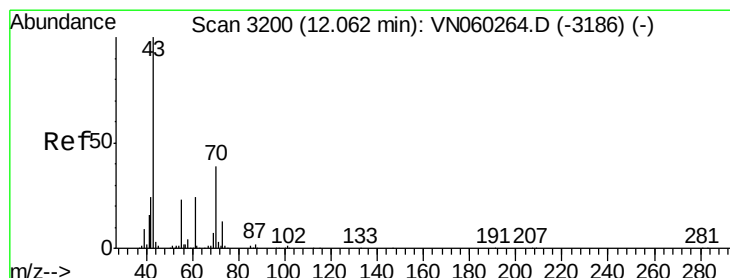
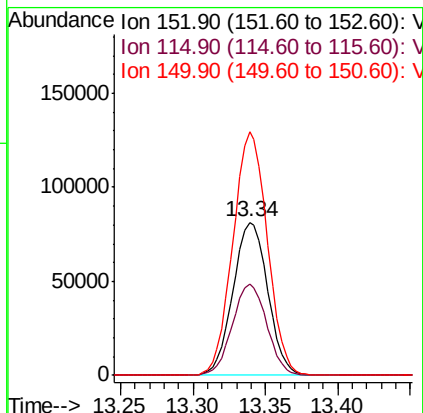
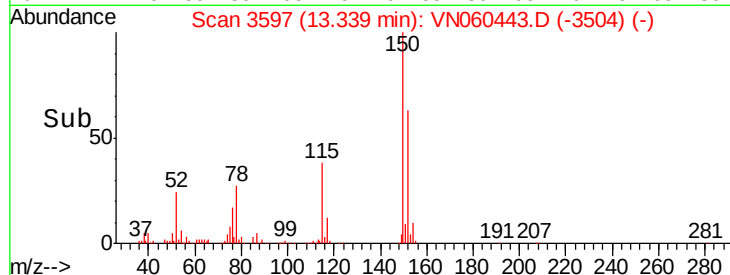
150 157.6 0.0 349.6



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: 0.817 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060443.D

Acq: 11 Mar 2020 12:33

Tgt Ion: 43 Resp: 3586

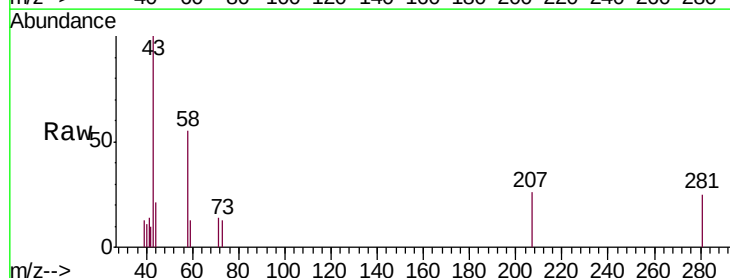
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

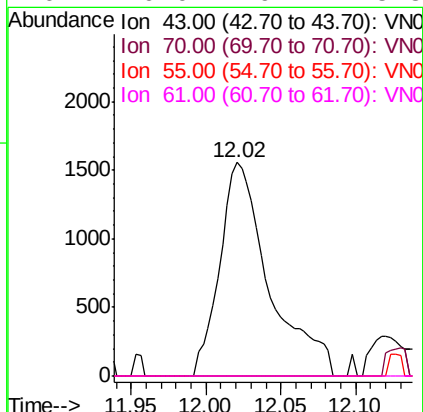
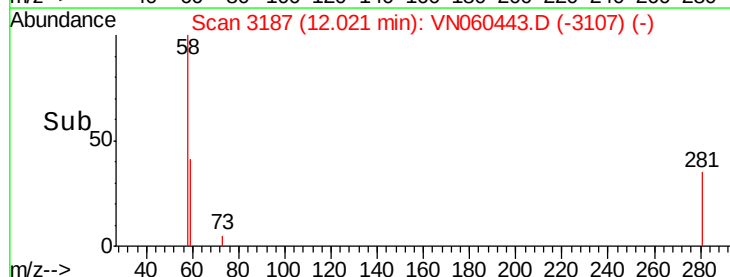


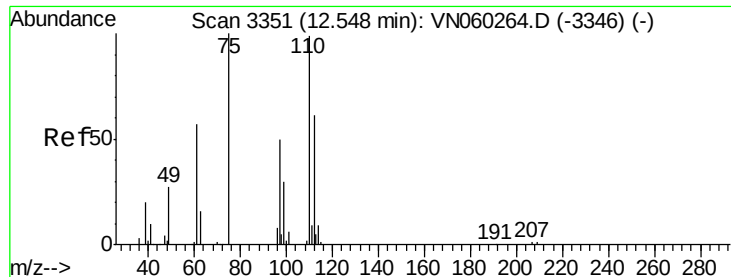
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 24.270 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060443.D

Acq: 11 Mar 2020 12:33

Instrument :

MSVOA_N

ClientSampleId :

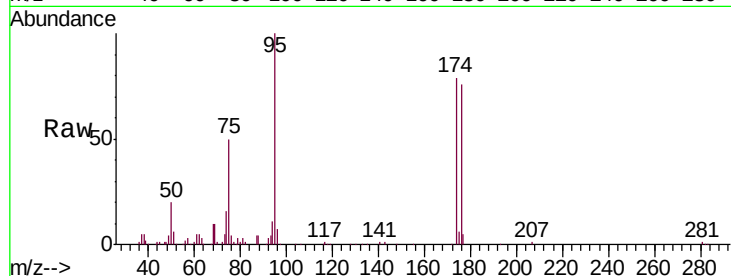
CB-EC-52-G

Tgt Ion: 75 Resp: 72168

Ion Ratio Lower Upper

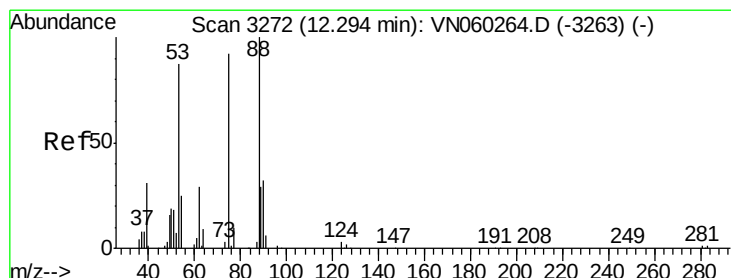
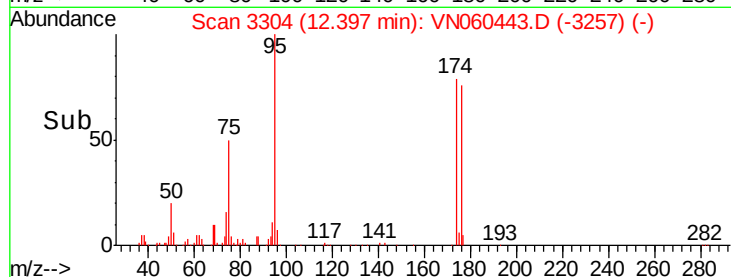
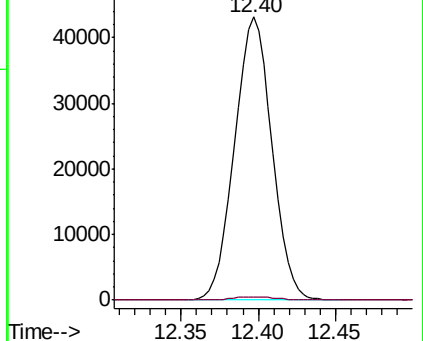
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 66.997 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060443.D

Acq: 11 Mar 2020 12:33

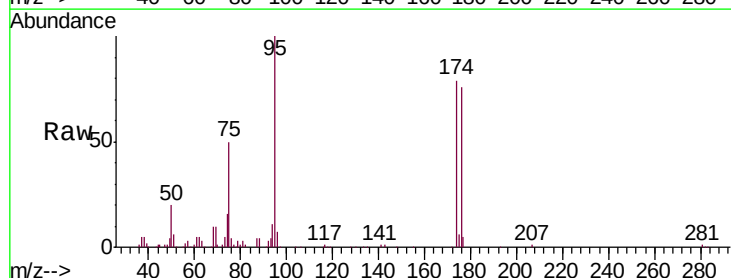
Tgt Ion: 75 Resp: 72168

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

