

Data File : VN060446.D
Acq On : 11 Mar 2020 13:41
Operator : JC/MD
Sample : L1853-14
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Mar 12 03:37:09 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	183982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	302561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	282279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130209	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	118328	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.57	113	89553	63.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.54%	
50) Toluene-d8	10.08	98	374748	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.40	95	137613	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	

Target Compounds

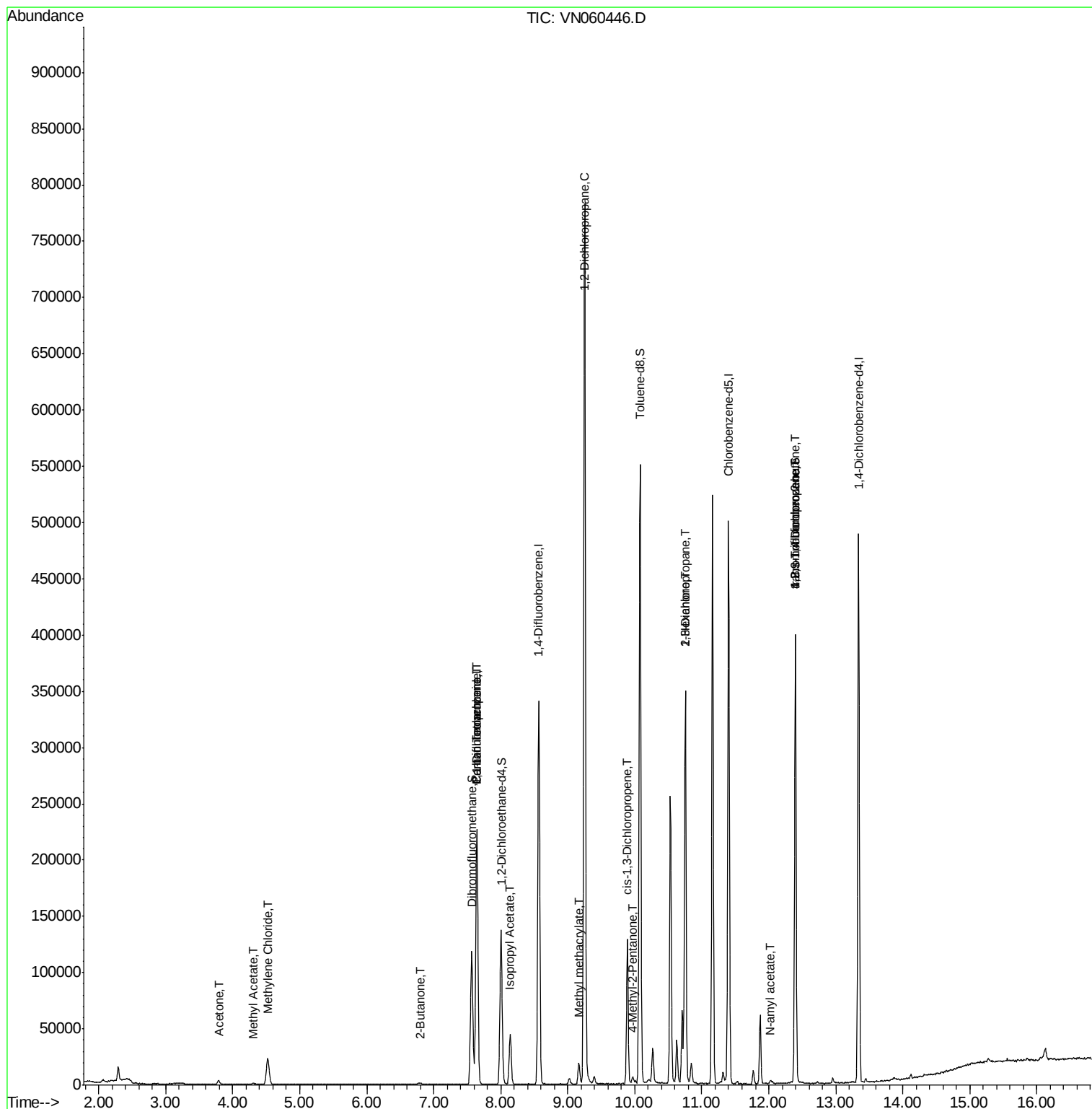
						Qvalue
16) Acetone	3.79	43	5995	7.865	ug/l	98
18) Methyl Acetate	4.29	43	715	0.281	ug/l #	52
20) Methylene Chloride	4.52	84	17573	8.394	ug/l	97
25) 2-Butanone	6.81	43	644	0.523	ug/l #	49
31) Cyclohexane	7.64	56	3922	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14189	4.921	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18043	6.427	ug/l #	15
43) Isopropyl Acetate	8.14	43	52947	11.077	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1007	0.459	ug/l #	44
48) Methyl methacrylate	9.16	41	2664	1.222	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4563	1.684	ug/l	89
54) cis-1,3-Dichloropropene	9.89	75	23640	6.429	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	3602	1.042	ug/l #	42
59) 2-Hexanone	10.75	43	51007	25.633	ug/l #	52
74) N-amyl acetate	12.02	43	3309	0.785	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	69966	24.491	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	69966	67.607	ug/l #	8
95) Naphthalene	15.13	128	334	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: VN060446.D

Acq: 11 Mar 2020 13:41

Instrument :

MSVOA_N

ClientSampleId :

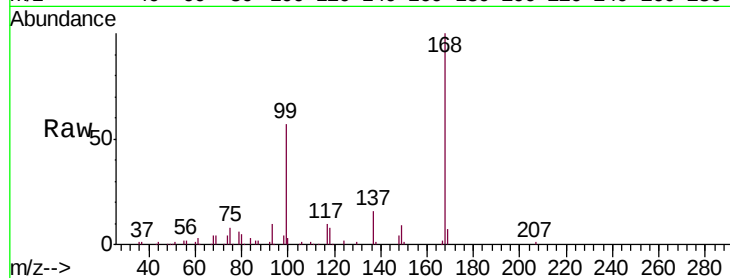
CB-EC-21-S

Tgt Ion:168 Resp: 183982

Ion Ratio Lower Upper

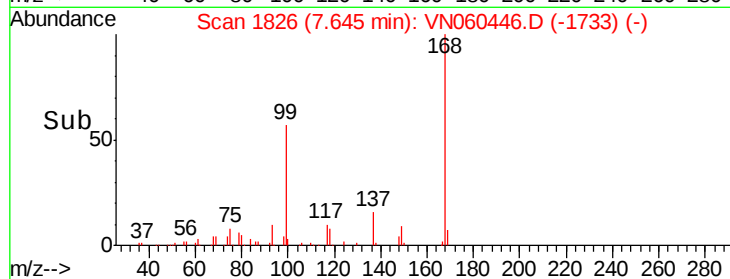
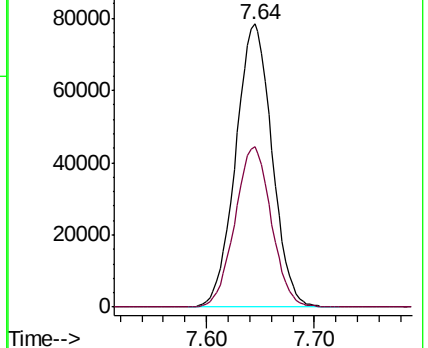
168 100

99 56.6 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: 7.865 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060446.D

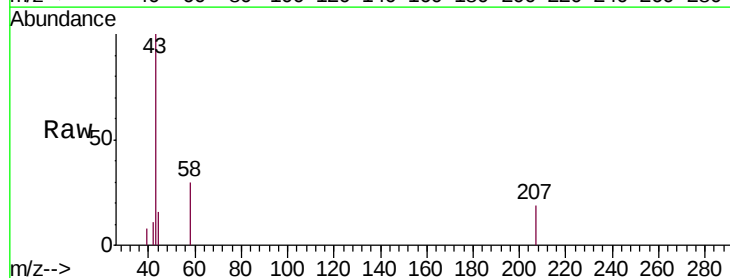
Acq: 11 Mar 2020 13:41

Tgt Ion: 43 Resp: 5995

Ion Ratio Lower Upper

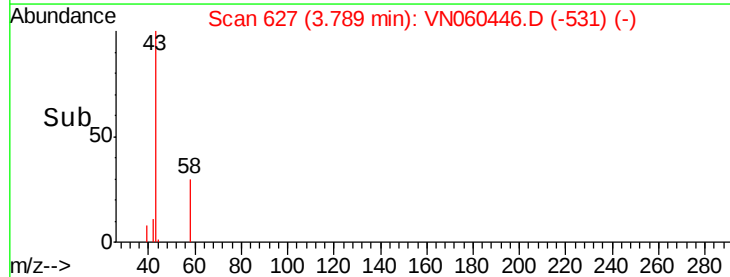
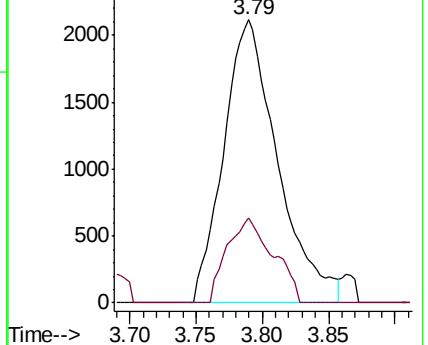
43 100

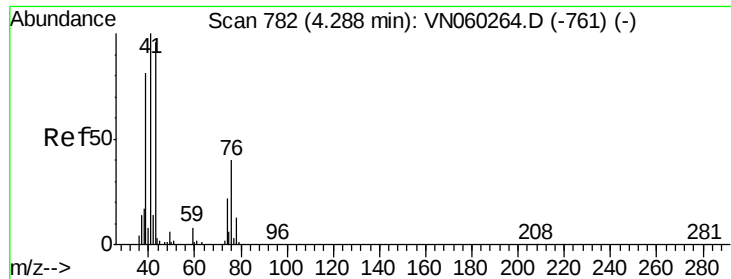
58 29.9 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

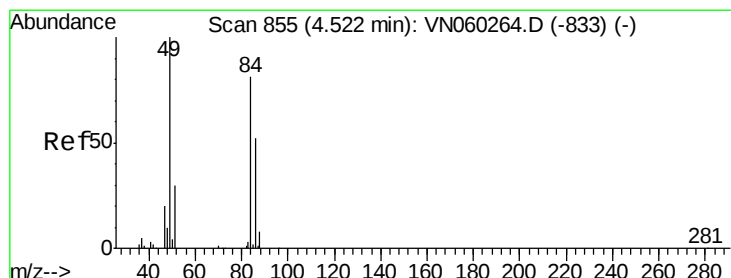
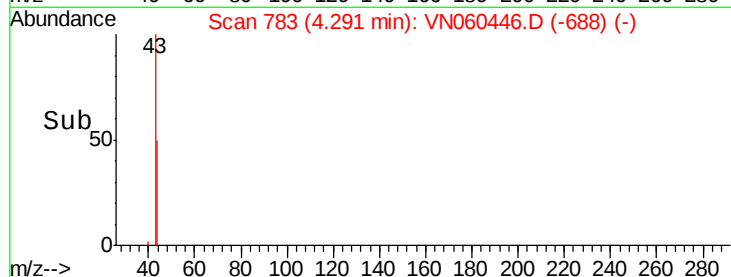
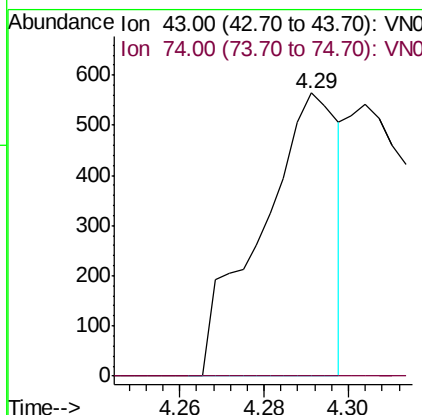
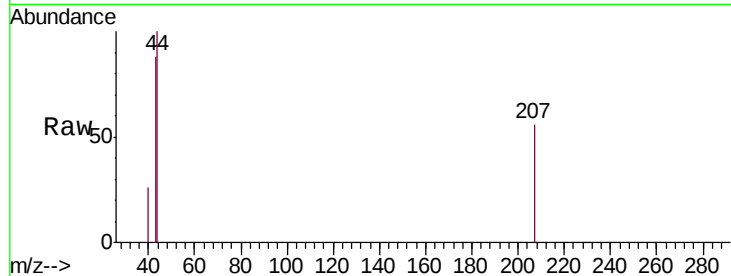




#18
Methyl Acetate
Concen: 0.281 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060446.D
Acq: 11 Mar 2020 13:41

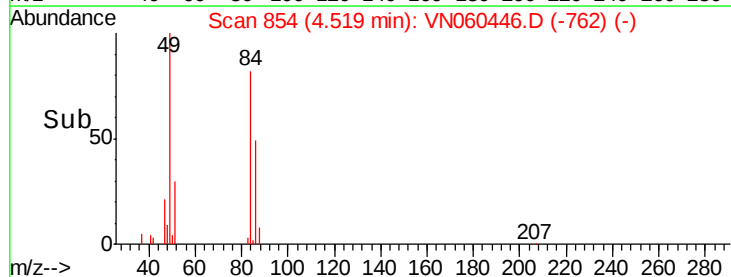
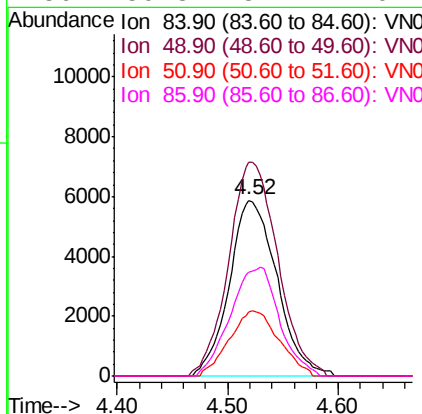
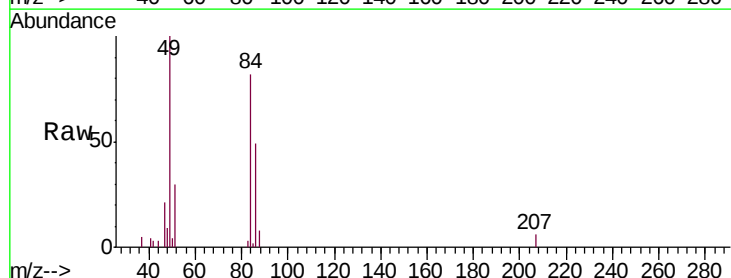
Instrument :
MSVOA_N
ClientSampleId :
CB-EC-21-S

Tgt Ion: 43 Resp: 715
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 8.394 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060446.D
Acq: 11 Mar 2020 13:41

Tgt Ion: 84 Resp: 17573
Ion Ratio Lower Upper
84 100
49 121.7 99.3 148.9
51 36.3 30.1 45.1
86 59.3 51.1 76.7





#25

2-Butanone

Concen: 0.523 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060446.D

Acq: 11 Mar 2020 13:41

Instrument :

MSVOA_N

ClientSampleId :

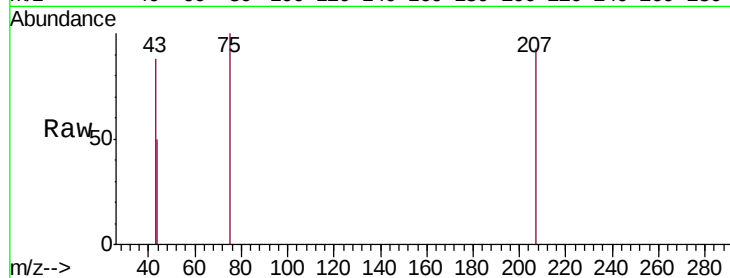
CB-EC-21-S

Tgt Ion: 43 Resp: 644

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

6.81

400

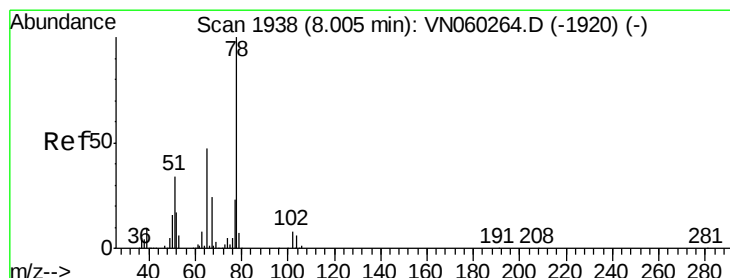
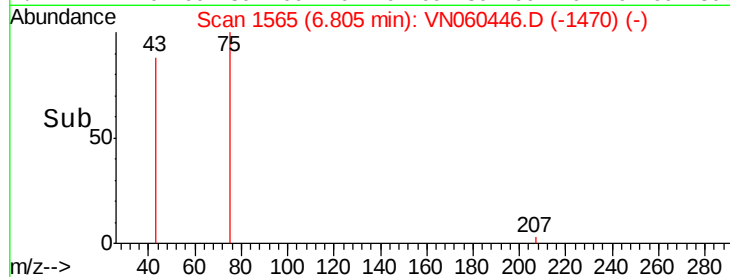
300

200

100

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.128 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060446.D

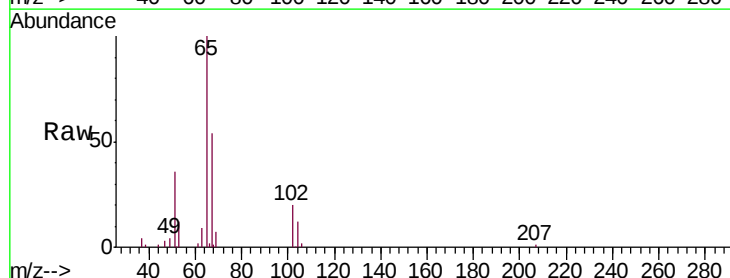
Acq: 11 Mar 2020 13:41

Tgt Ion: 65 Resp: 118328

Ion Ratio Lower Upper

65 100

67 53.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

60000

50000

40000

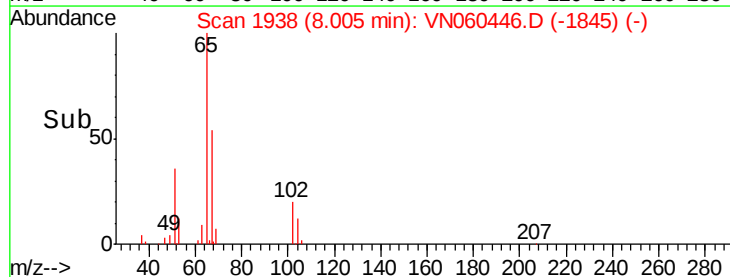
30000

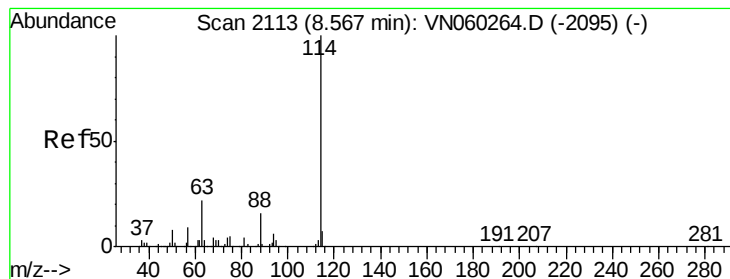
20000

10000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060446.D

Acq: 11 Mar 2020 13:41

Instrument :

MSVOA_N

ClientSampleId :

CB-EC-21-S

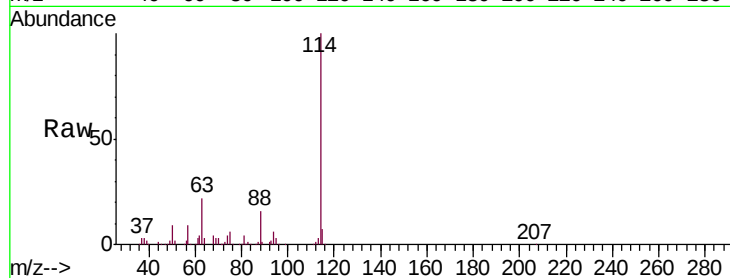
Tgt Ion:114 Resp: 302561

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

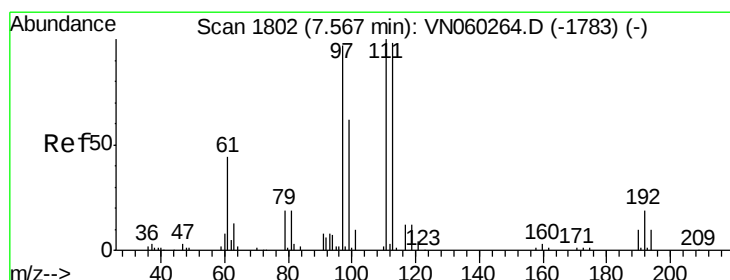
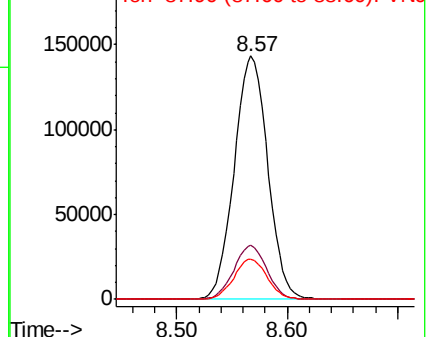
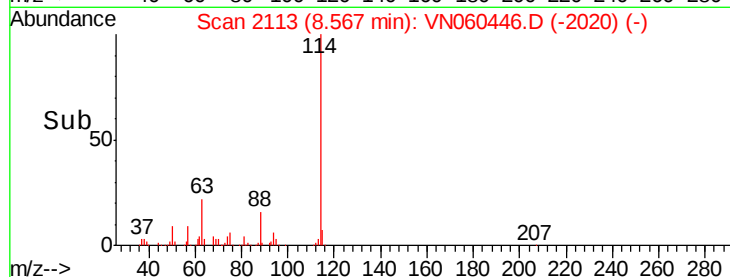
88 16.5 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 63.767 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060446.D

Acq: 11 Mar 2020 13:41

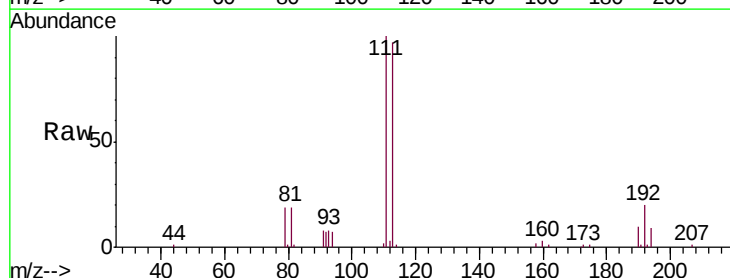
Tgt Ion:113 Resp: 89553

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

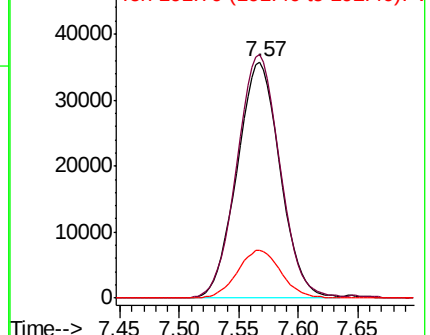
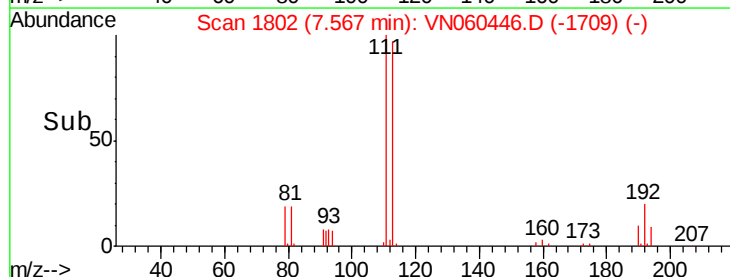
192 20.4 16.2 24.2



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: 4.921 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060446.D

Acq: 11 Mar 2020 13:41

Instrument :

MSVOA_N

ClientSampleId :

CB-EC-21-S

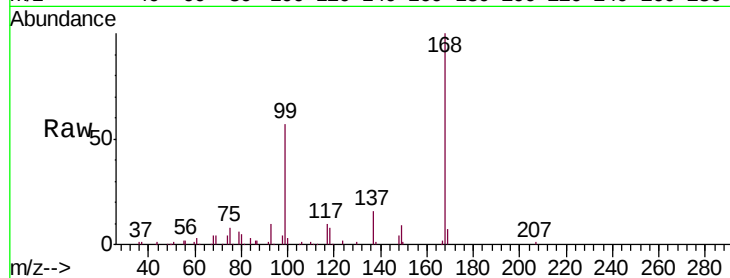
Tgt Ion: 75 Resp: 14189

Ion Ratio Lower Upper

75 100

110 7.3 17.3 52.0#

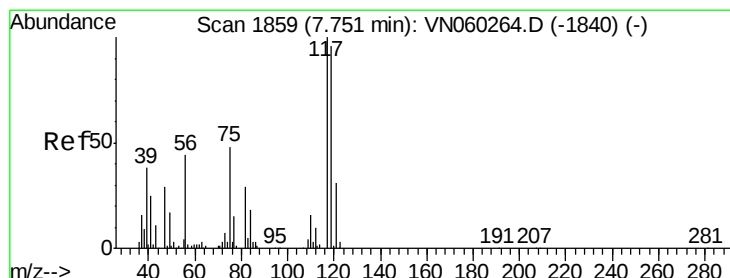
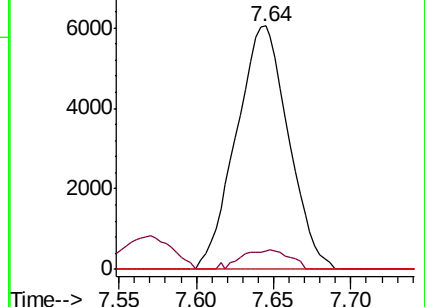
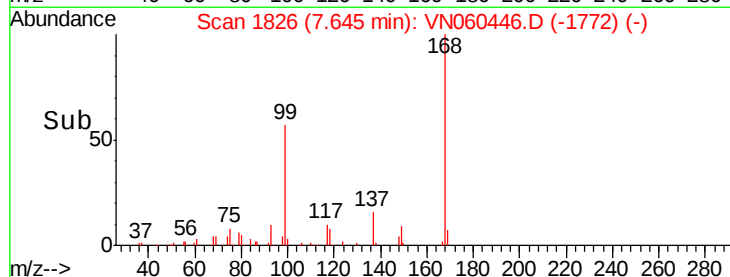
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060446.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060446.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060446.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.427 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060446.D

Acq: 11 Mar 2020 13:41

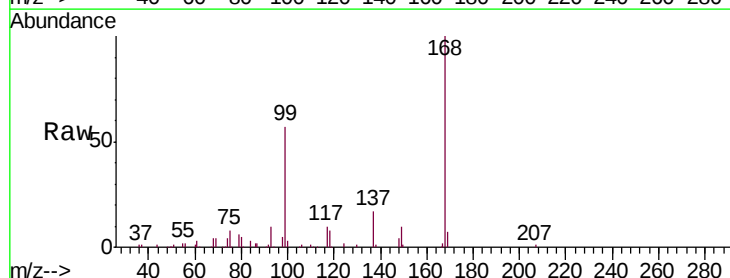
Tgt Ion: 117 Resp: 18043

Ion Ratio Lower Upper

117 100

119 4.0 76.7 115.1#

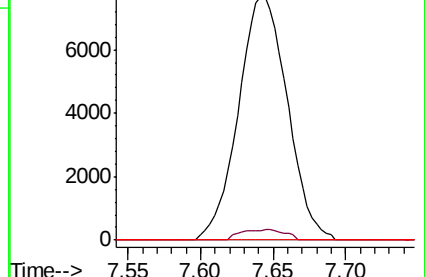
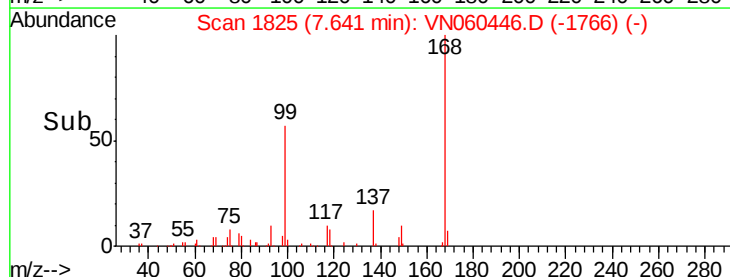
121 0.0 24.5 36.7#

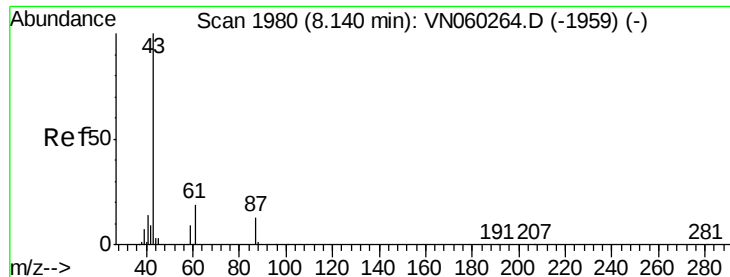


Abundance Ion 116.80 (116.50 to 117.50): VN060446.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060446.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060446.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 11.077 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060446.D

Acq: 11 Mar 2020 13:41

Instrument :

MSVOA_N

ClientSampled :

CB-EC-21-S

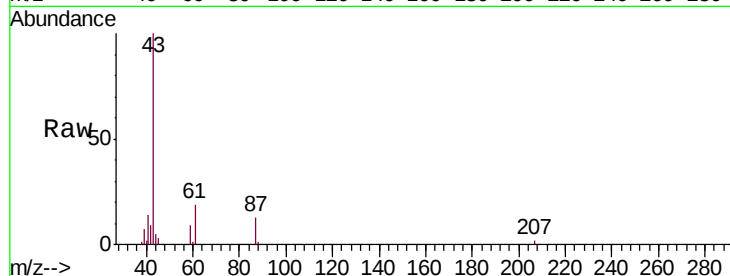
Tgt Ion: 43 Resp: 52947

Ion Ratio Lower Upper

43 100

61 19.7 20.9 31.3#

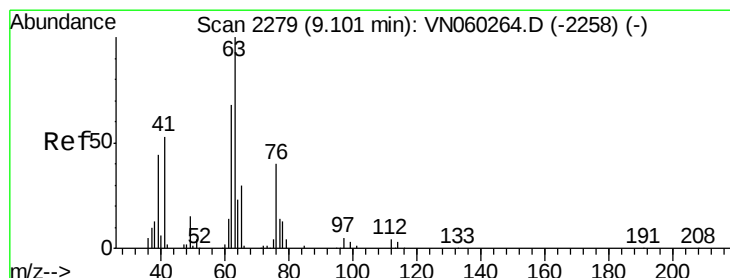
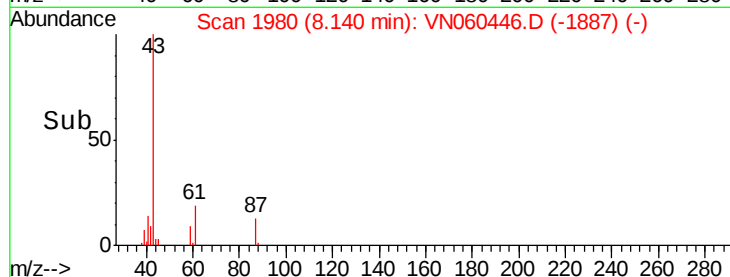
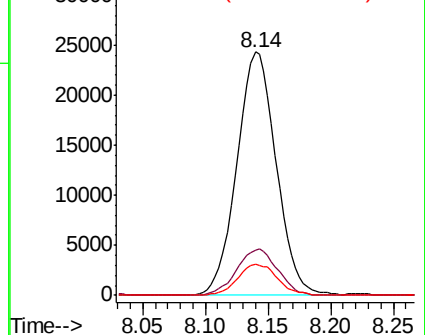
87 12.9 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.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: VN060446.D

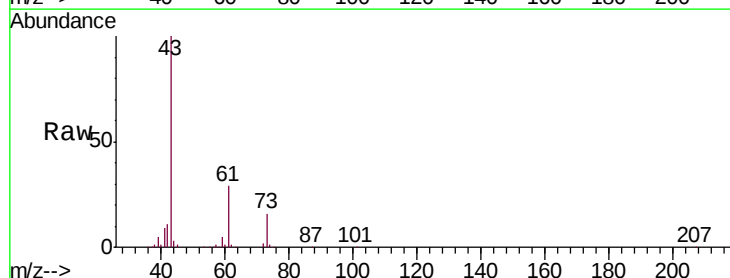
Acq: 11 Mar 2020 13:41

Tgt Ion: 63 Resp: 1007

Ion Ratio Lower Upper

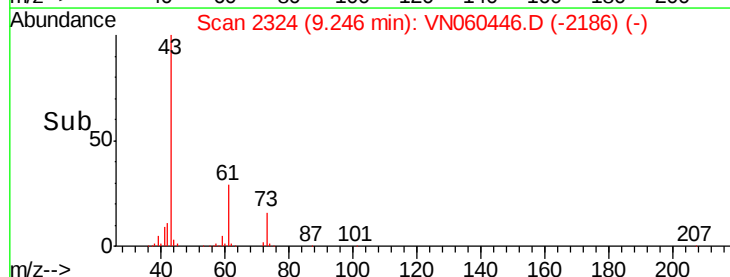
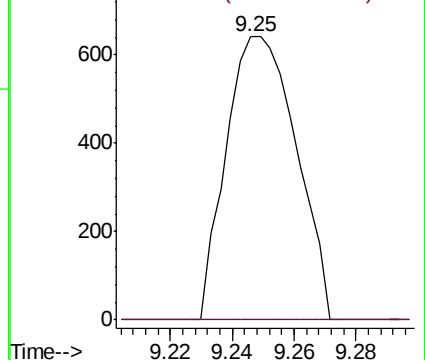
63 100

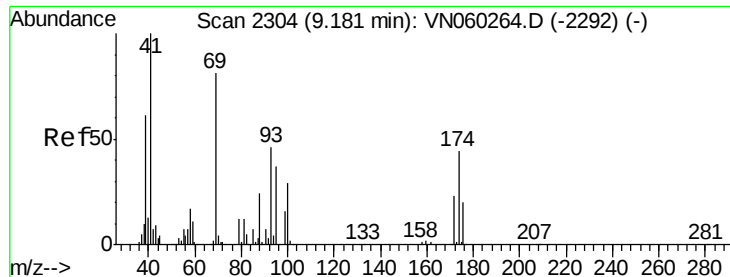
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060264.D (-2258) (-)

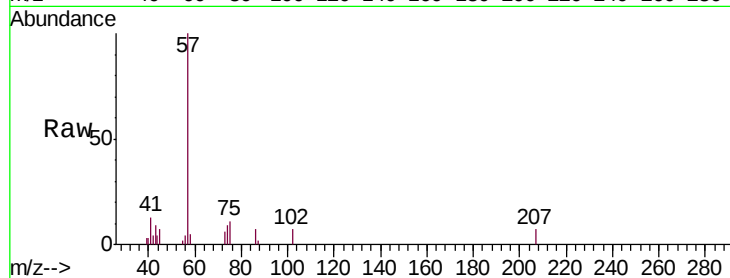




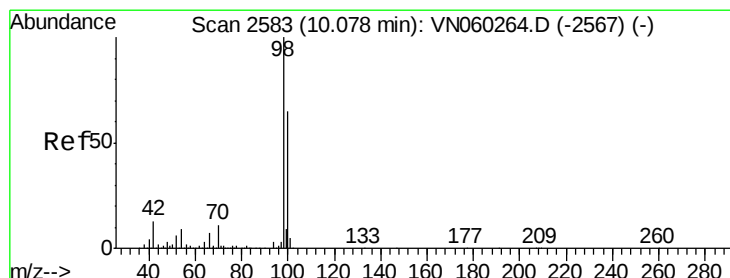
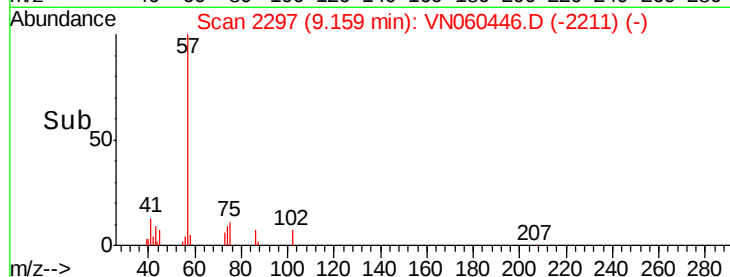
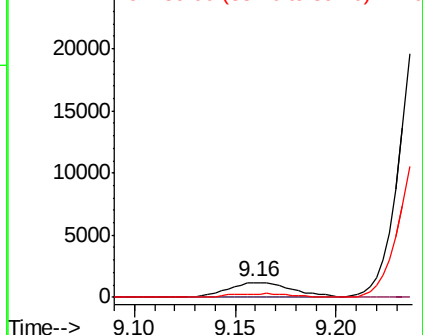
#48
Methyl methacrylate
Concen: 1.222 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060446.D
Acq: 11 Mar 2020 13:41

Instrument :
MSVOA_N
ClientSampled :
CB-EC-21-S

Tgt Ion: 41 Resp: 2664
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#

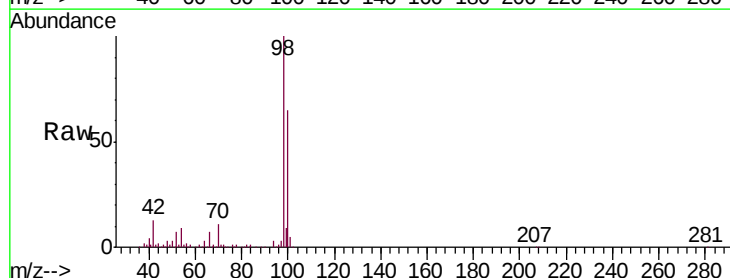


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

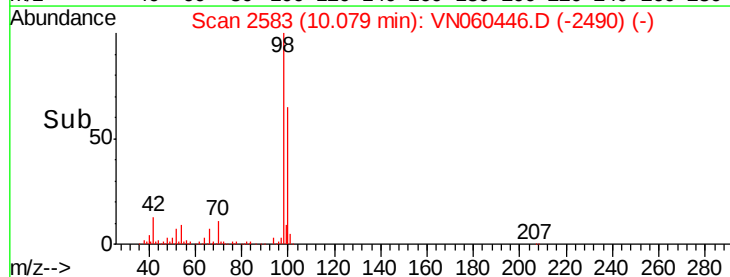
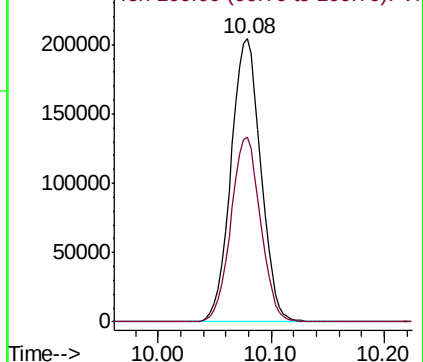


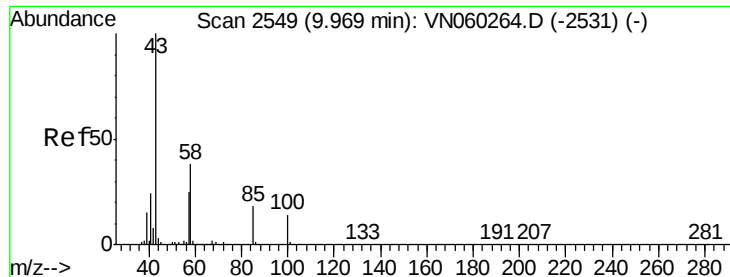
#50
Toluene-d8
Concen: 52.723 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060446.D
Acq: 11 Mar 2020 13:41

Tgt Ion: 98 Resp: 374748
Ion Ratio Lower Upper
98 100
100 64.9 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: 1.684 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060446.D

Acq: 11 Mar 2020 13:41

Instrument :

MSVOA_N

ClientSampled :

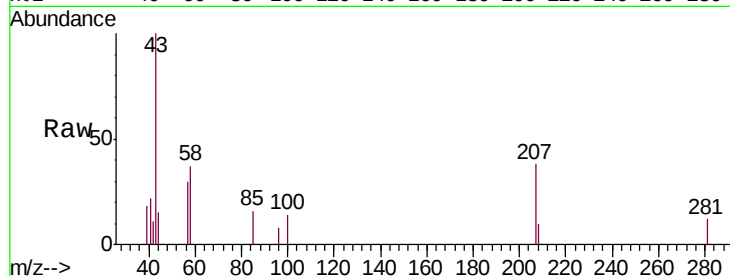
CB-EC-21-S

Tgt Ion: 43 Resp: 4563

Ion Ratio Lower Upper

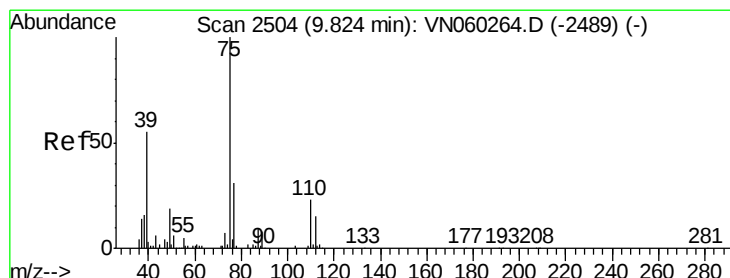
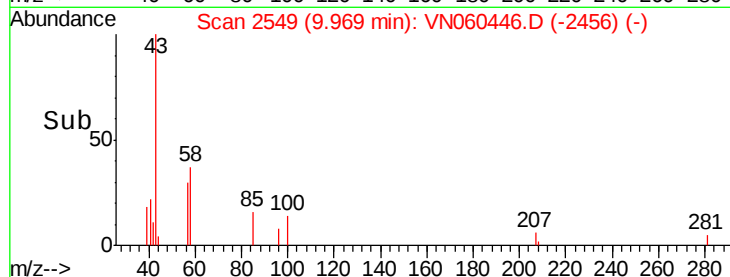
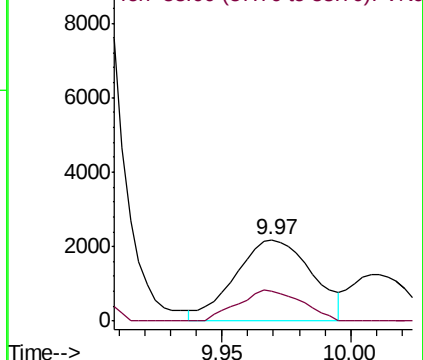
43 100

58 31.8 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)



#54

cis-1,3-Dichloropropene

Concen: 6.429 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060446.D

Acq: 11 Mar 2020 13:41

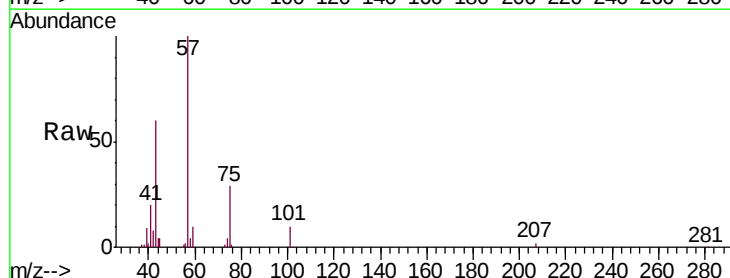
Tgt Ion: 75 Resp: 23640

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

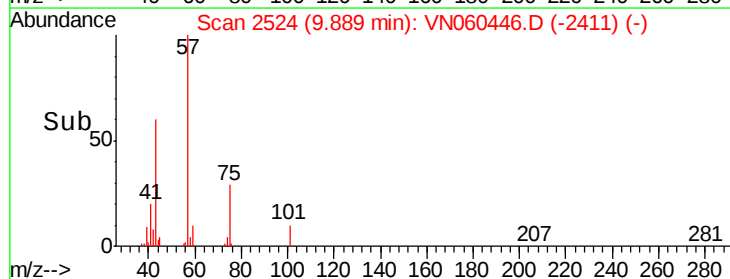
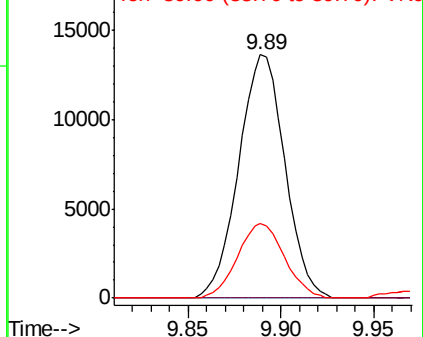
39 30.7 43.8 65.8#

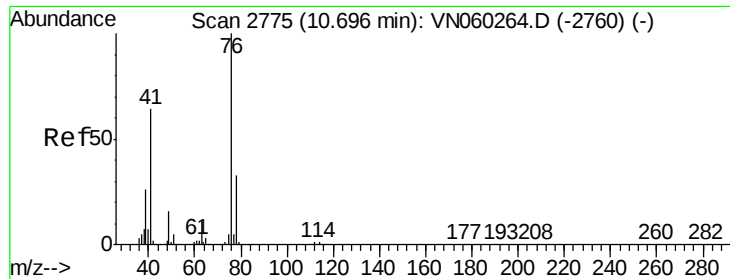


Abundance Ion 74.90 (74.60 to 75.60): VN060264.D (-2489) (-)

Ion 76.90 (76.60 to 77.60): VN060264.D (-2489) (-)

Ion 39.00 (38.70 to 39.70): VN060264.D (-2489) (-)

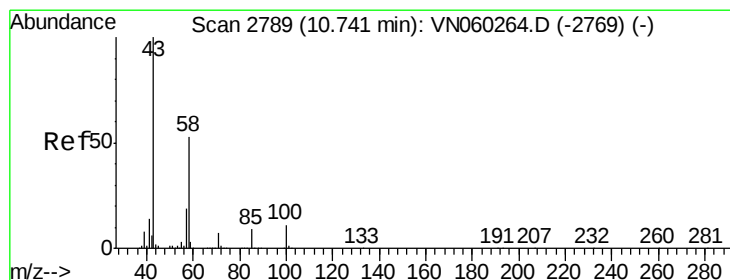
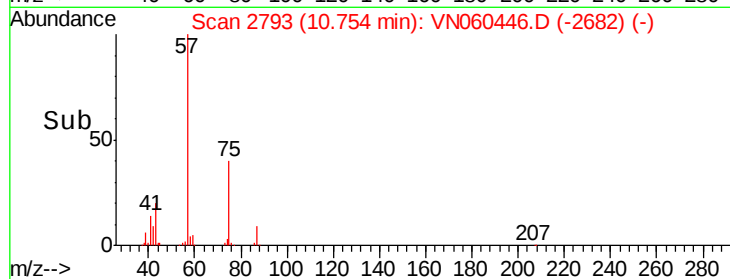
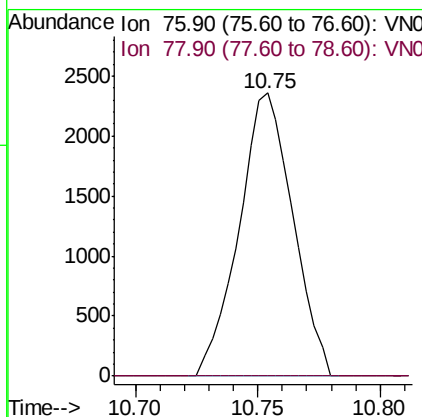
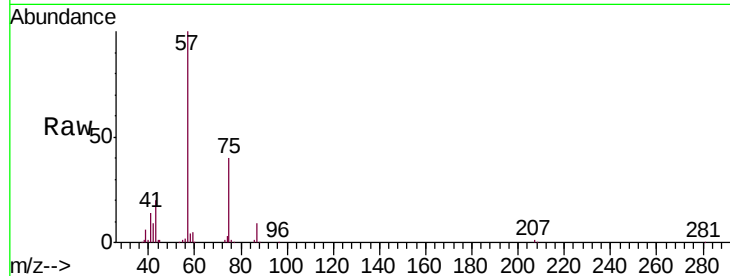




#57
 1,3-Dichloropropane
 Concen: 1.042 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060446.D
 Acq: 11 Mar 2020 13:41

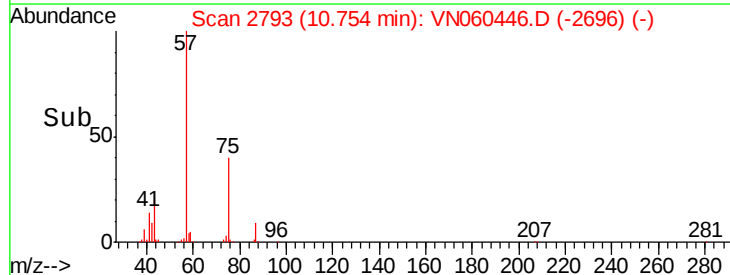
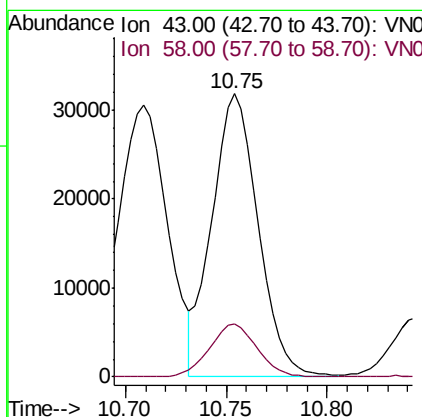
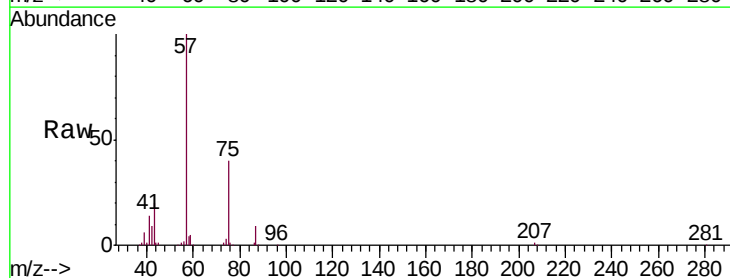
Instrument :
 MSVOA_N
 ClientSampled :
 CB-EC-21-S

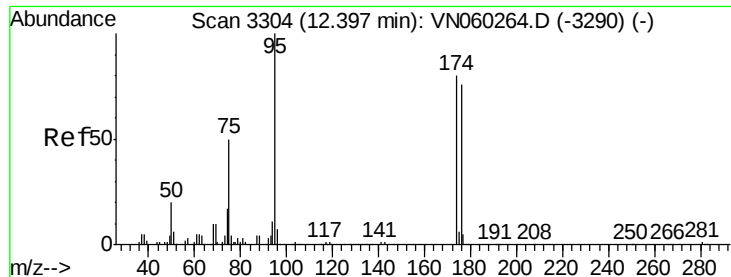
Tgt Ion: 76 Resp: 3602
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



#59
 2-Hexanone
 Concen: 25.633 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060446.D
 Acq: 11 Mar 2020 13:41

Tgt Ion: 43 Resp: 51007
 Ion Ratio Lower Upper
 43 100
 58 19.0 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 51.074 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060446.D

Acq: 11 Mar 2020 13:41

Instrument :

MSVOA_N

ClientSampled :

CB-EC-21-S

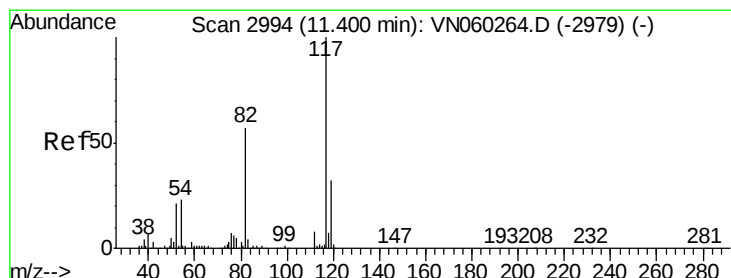
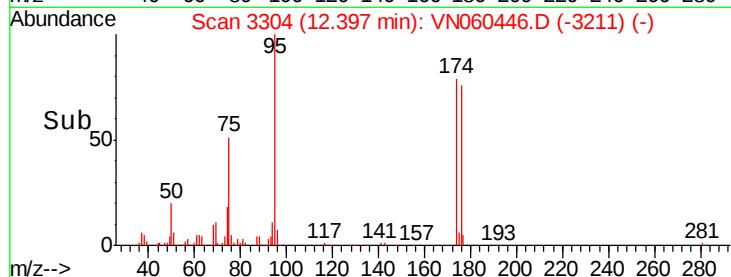
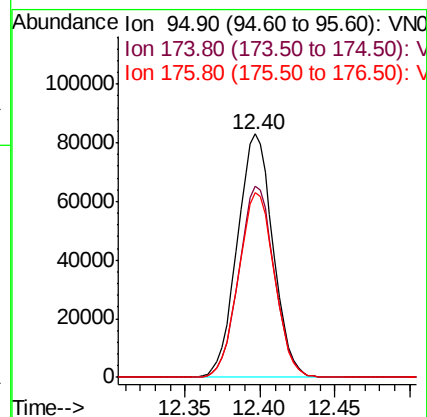
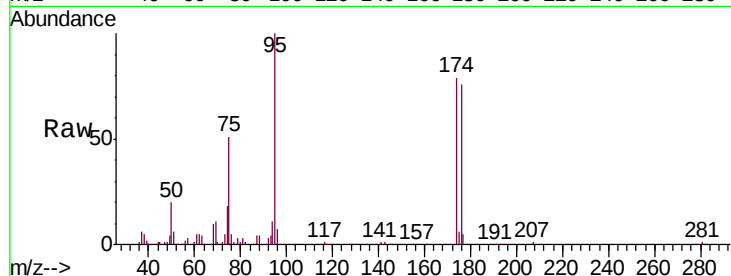
Tgt Ion: 95 Resp: 137613

Ion Ratio Lower Upper

95 100

174 78.4 0.0 159.2

176 76.5 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: VN060446.D

Acq: 11 Mar 2020 13:41

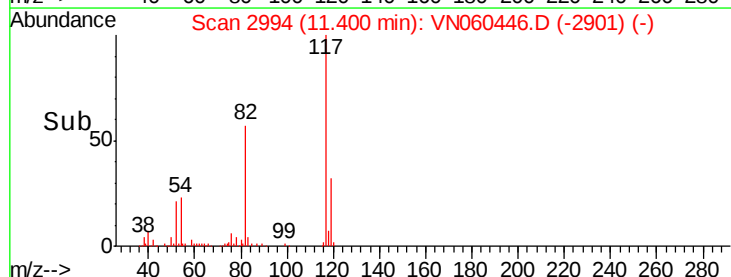
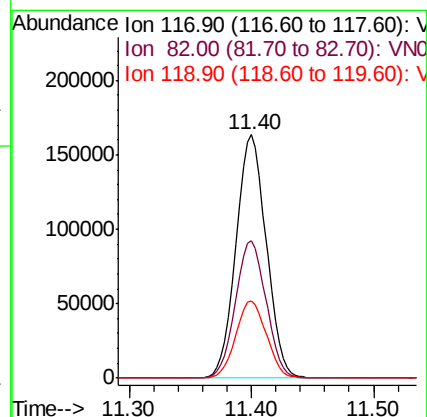
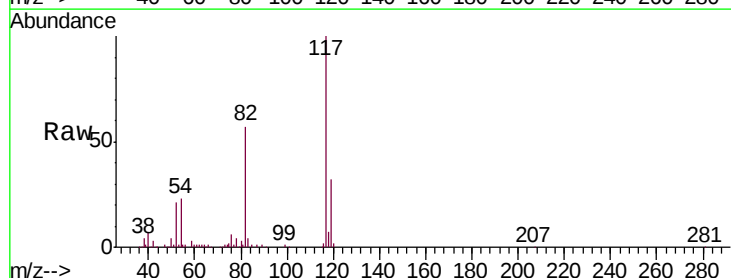
Tgt Ion: 117 Resp: 282279

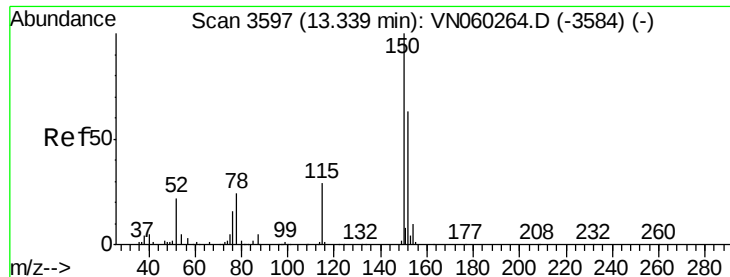
Ion Ratio Lower Upper

117 100

82 56.6 45.8 68.6

119 32.0 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: VN060446.D

Acq: 11 Mar 2020 13:41

Instrument :

MSVOA_N

ClientSampleId :

CB-EC-21-S

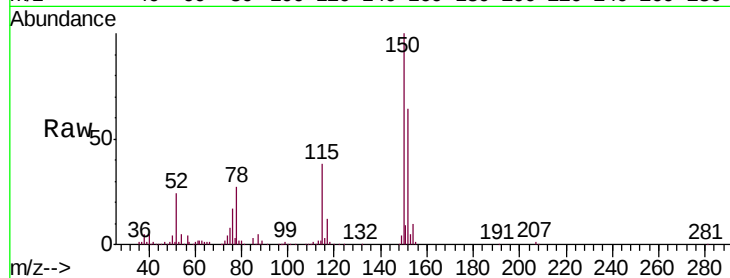
Tgt Ion: 152 Resp: 130209

Ion Ratio Lower Upper

152 100

115 59.0 30.0 90.0

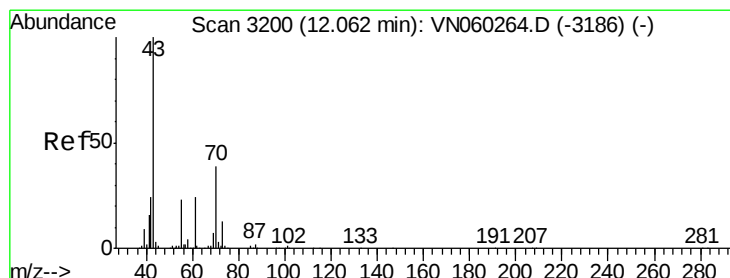
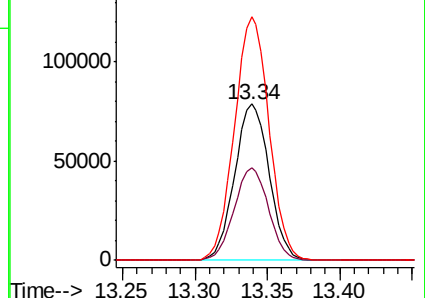
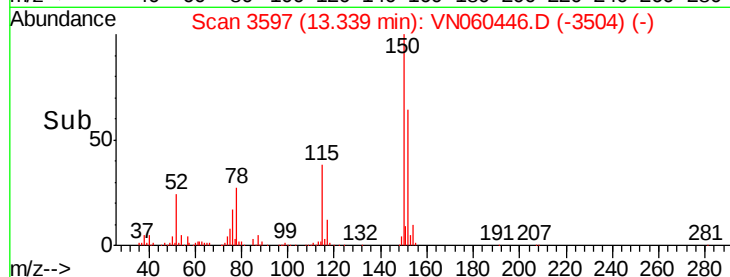
150 155.9 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.785 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060446.D

Acq: 11 Mar 2020 13:41

Tgt Ion: 43 Resp: 3309

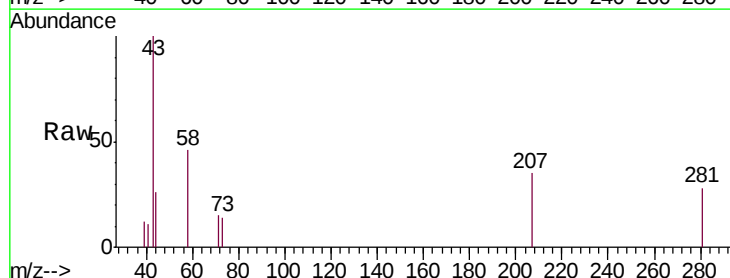
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

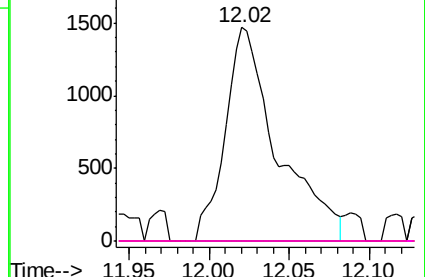
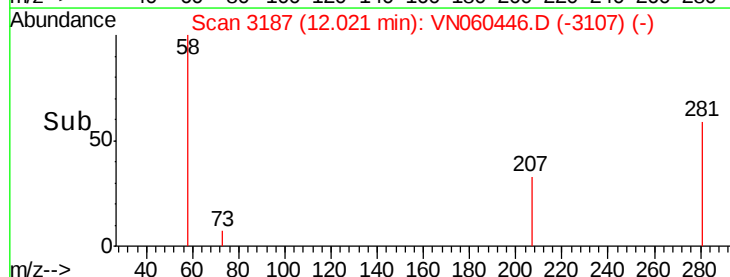


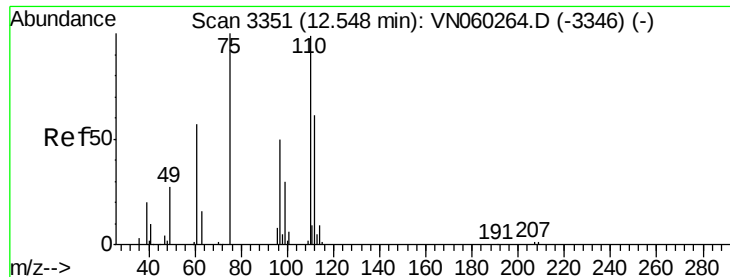
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 24.491 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060446.D

Acq: 11 Mar 2020 13:41

Instrument :

MSVOA_N

ClientSampleId :

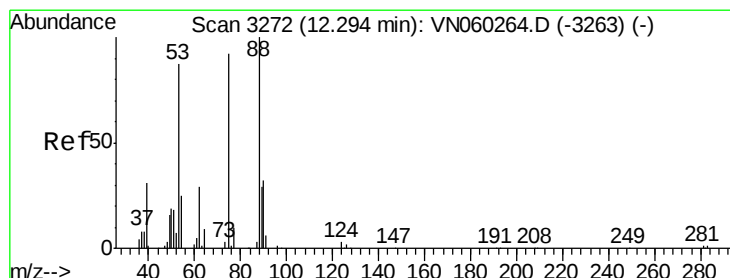
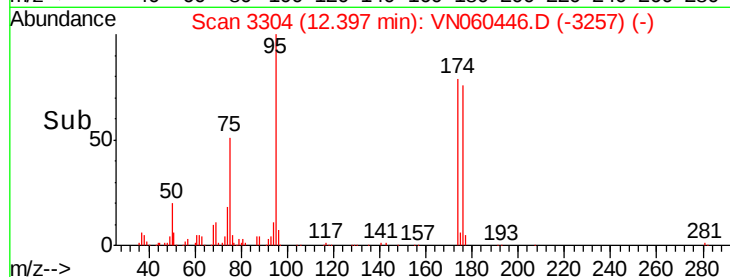
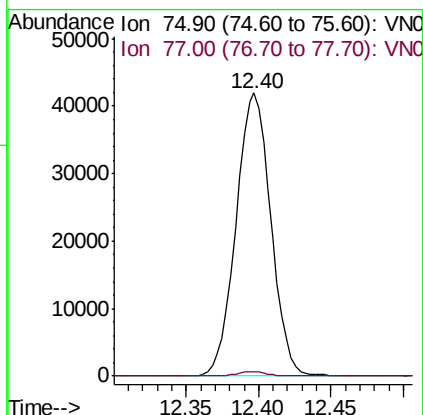
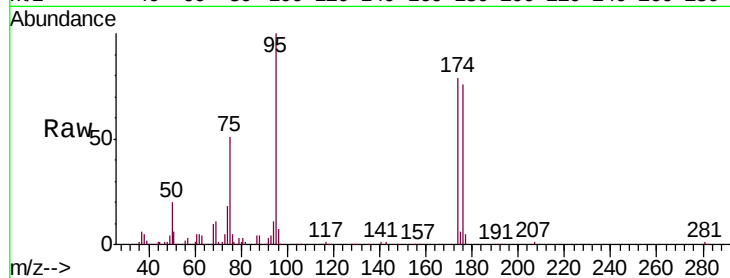
CB-EC-21-S

Tgt Ion: 75 Resp: 69966

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.607 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060446.D

Acq: 11 Mar 2020 13:41

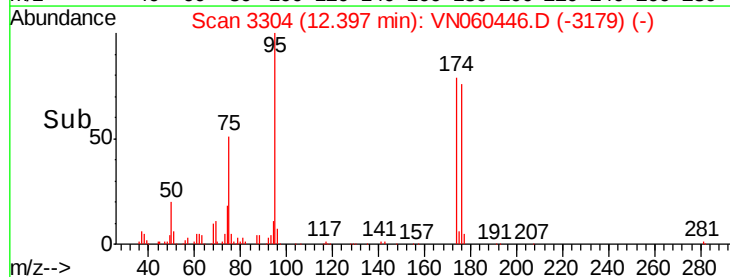
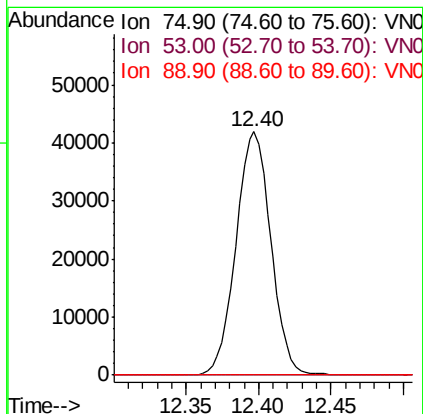
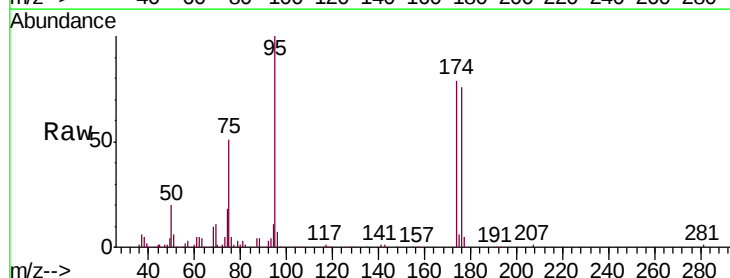
Tgt Ion: 75 Resp: 69966

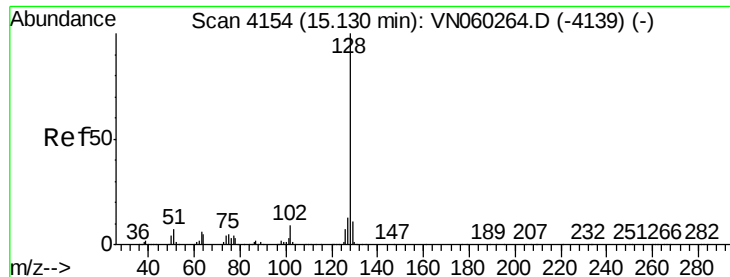
Ion Ratio Lower Upper

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# 4153

Delta R.T. -0.00 min

Lab File: VN060446.D

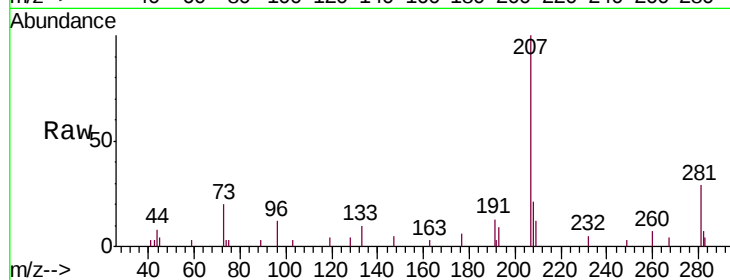
Acq: 11 Mar 2020 13:41

Instrument :

MSVOA_N

ClientSampleId :

CB-EC-21-S



Tgt Ion:	128	Resp:	334
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#

