

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062320\
 Data File : VD065867.D
 Acq On : 23 Jun 2020 18:25
 Operator : VA/SY
 Sample : L3082-09
 Misc : 5.90G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-10

Quant Time: Jun 24 04:45:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	105780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	184744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	161334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	58873	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	70829	67.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.52%	
35) Dibromofluoromethane	7.92	113	65900	56.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.94%	
50) Toluene-d8	10.34	98	211489	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.64	95	58940	39.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.88%	

Target Compounds

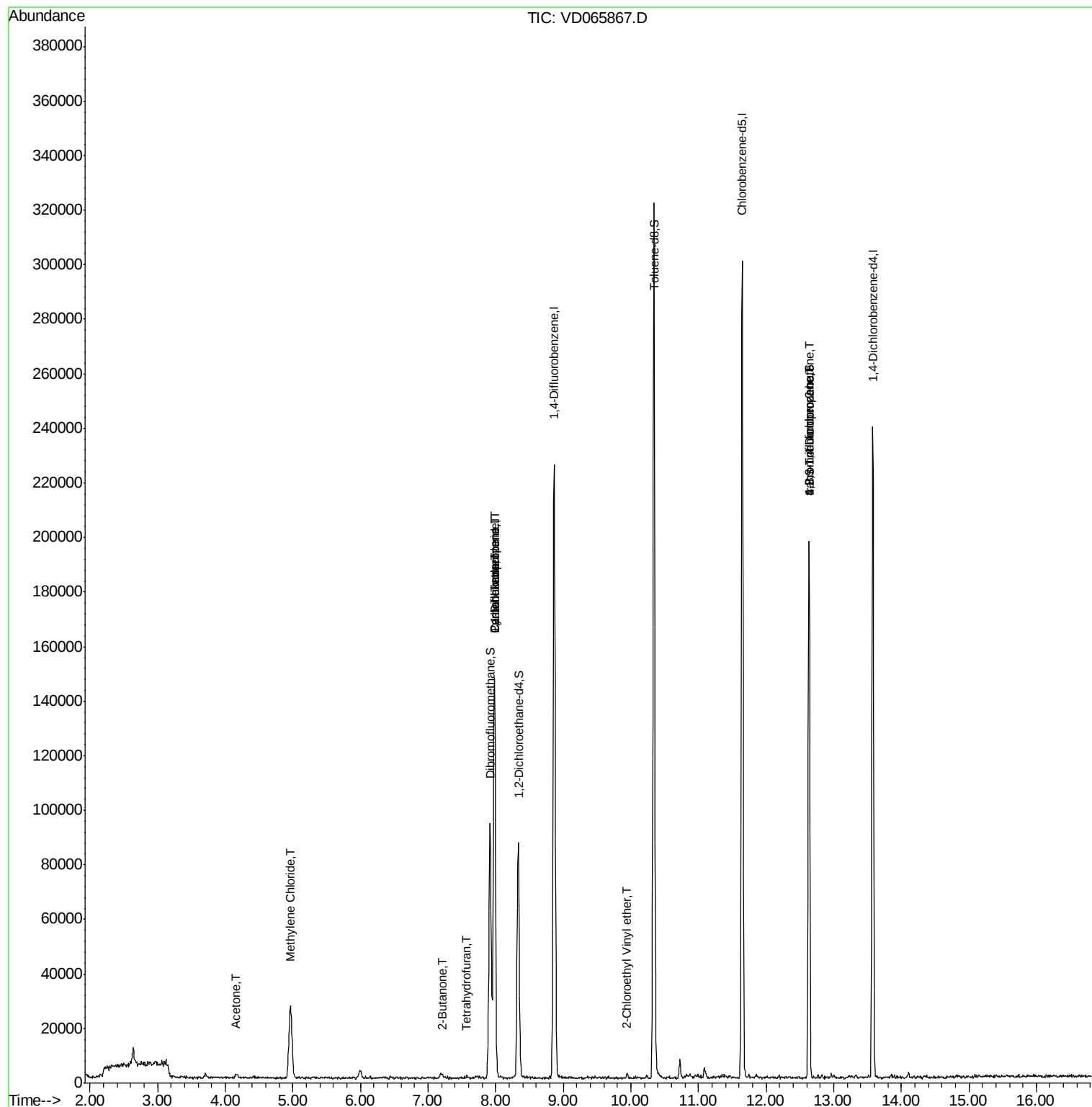
						Qvalue
2) Dichlorodifluoromethane	1.99	85	88	Below Cal	#	42
3) Chloromethane	2.20	50	302	Below Cal	#	31
16) Acetone	4.16	43	2998	15.205	ug/l #	76
18) Methyl Acetate	4.72	43	60	Below Cal	#	52
20) Methylene Chloride	4.97	84	20039	16.123	ug/l #	93
25) 2-Butanone	7.21	43	502	1.844	ug/l #	52
29) Tetrahydrofuran	7.57	42	300	1.743	ug/l #	83
31) Cyclohexane	7.98	56	2995	1.598	ug/l #	18
36) 1,1-Dichloropropene	7.98	75	9244	5.223	ug/l #	51
38) Carbon Tetrachloride	7.98	117	10349	5.557	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.94	63	877	1.821	ug/l #	84
76) 1,2,3-Trichloropropane	12.64	75	33257	72.635	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	33257	156.937	ug/l #	9

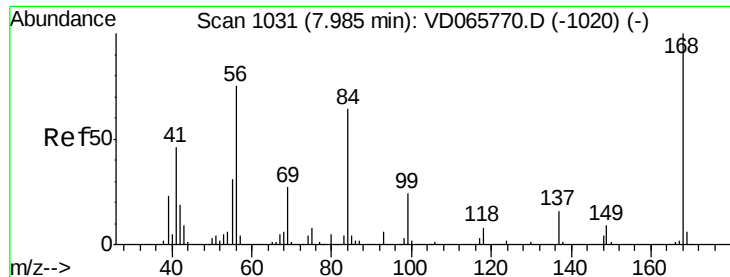
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065867.D

Acq: 23 Jun 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

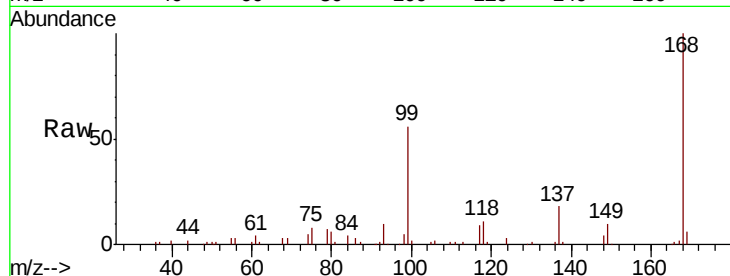
SB-10

Tot Ion:168 Resp: 105780

Ion Ratio Lower Upper

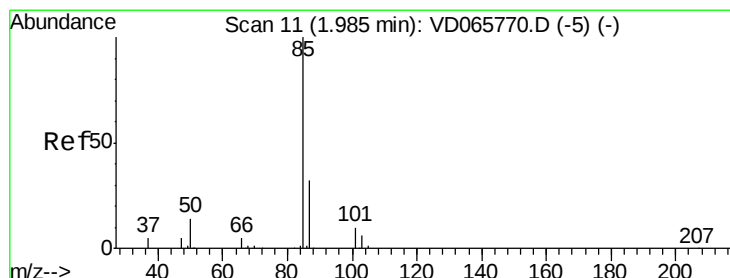
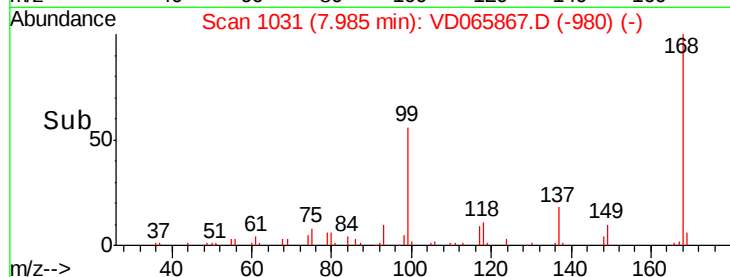
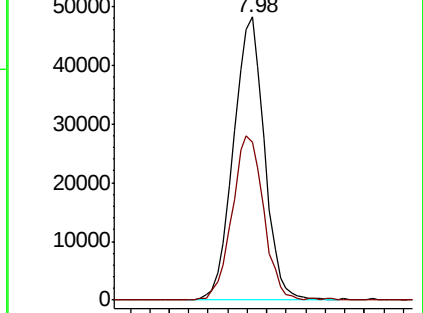
168 100

99 55.8 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065867.D

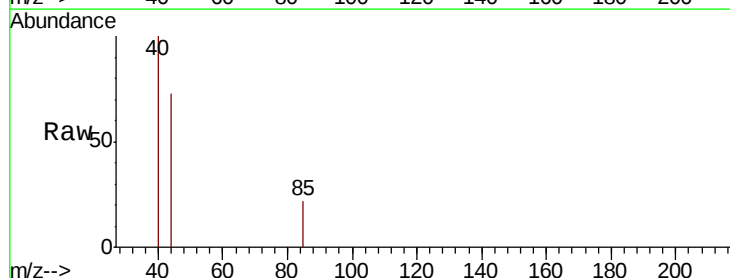
Acq: 23 Jun 2020 18:25

Tgt Ion: 85 Resp: 88

Ion Ratio Lower Upper

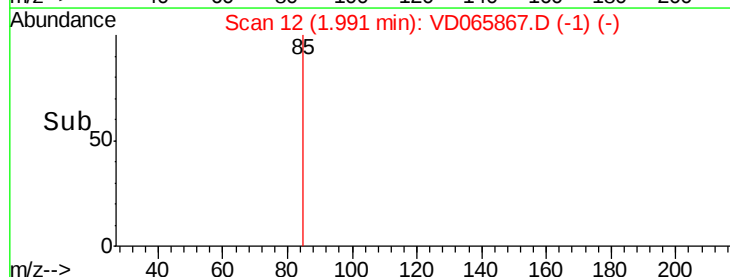
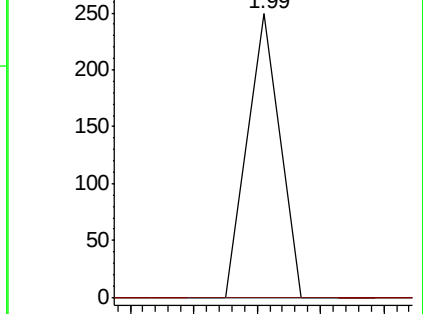
85 100

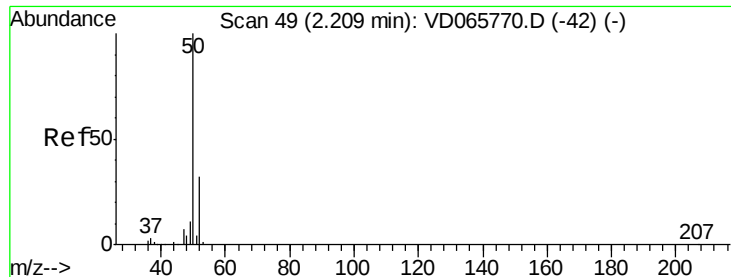
87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065867.D

Acq: 23 Jun 2020 18:25

Instrument :

MSVOA_D

ClientSampled :

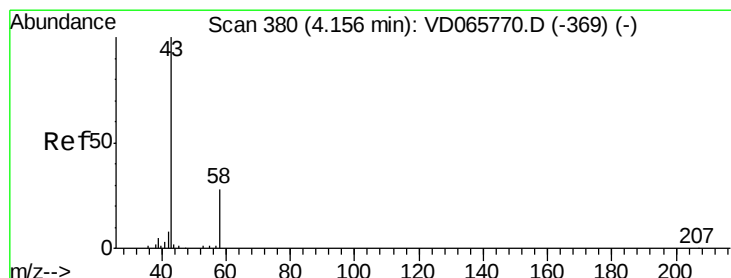
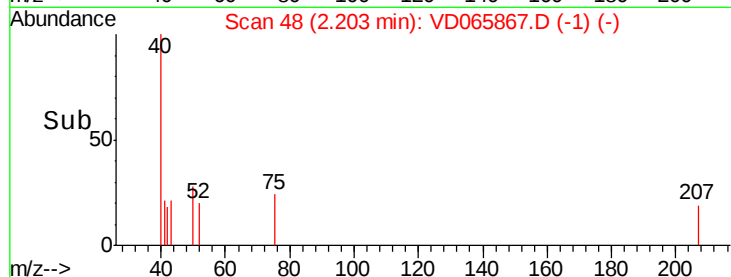
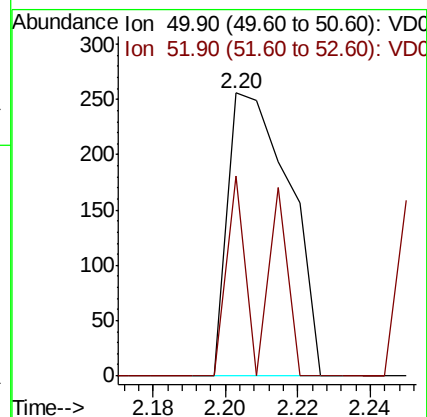
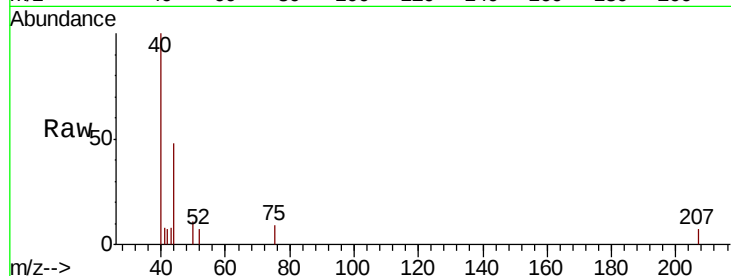
SB-10

Tot Ion: 50 Resp: 302

Ion Ratio Lower Upper

50 100

52 70.7 25.6 38.4#



#16

Acetone

Concen: 15.205 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065867.D

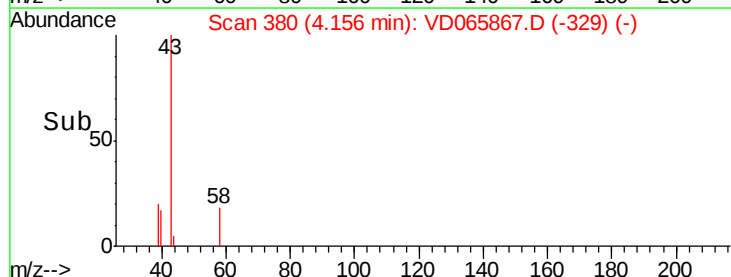
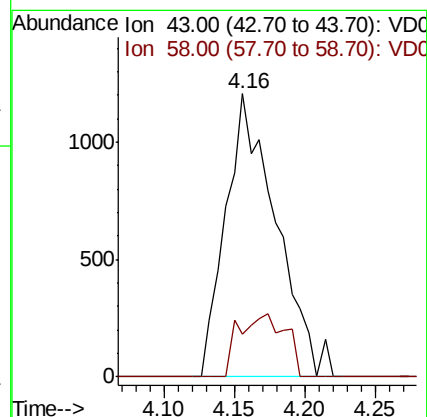
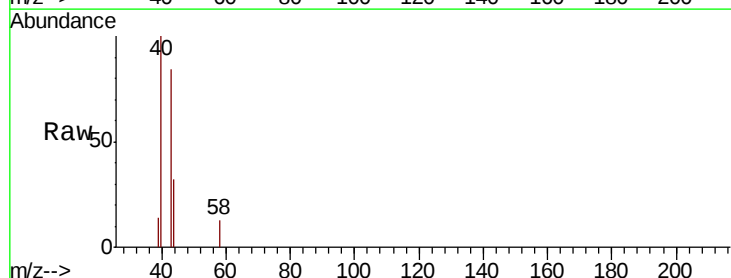
Acq: 23 Jun 2020 18:25

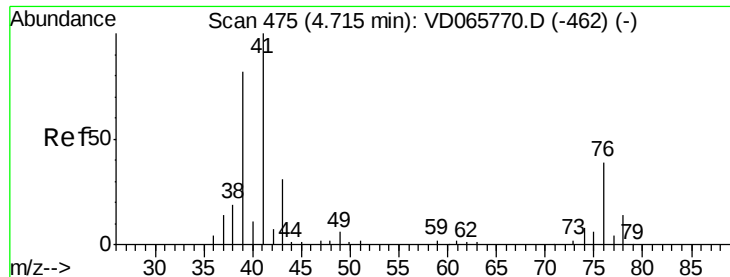
Tgt Ion: 43 Resp: 2998

Ion Ratio Lower Upper

43 100

58 15.2 22.3 33.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065867.D

Acq: 23 Jun 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

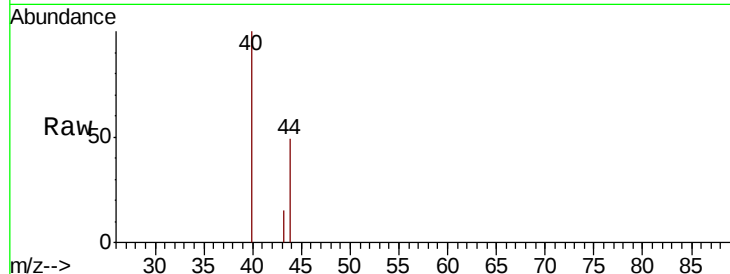
SB-10

Tot Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

74 0.0 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

200

150

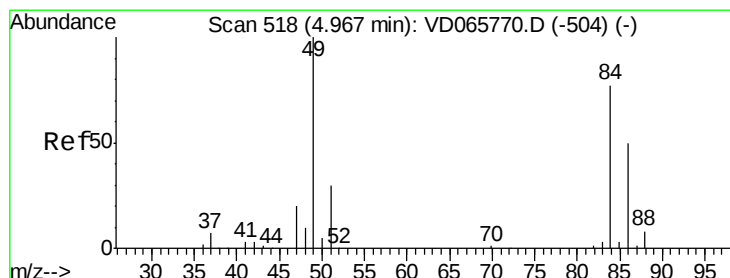
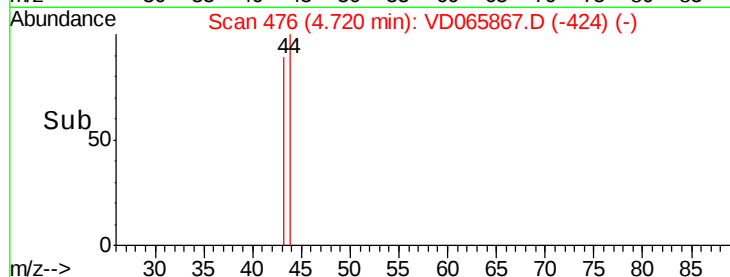
100

50

0

4.70 4.71 4.72 4.73 4.74

Time-->



#20

Methylene Chloride

Concen: 16.123 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065867.D

Acq: 23 Jun 2020 18:25

Tgt Ion: 84 Resp: 20039

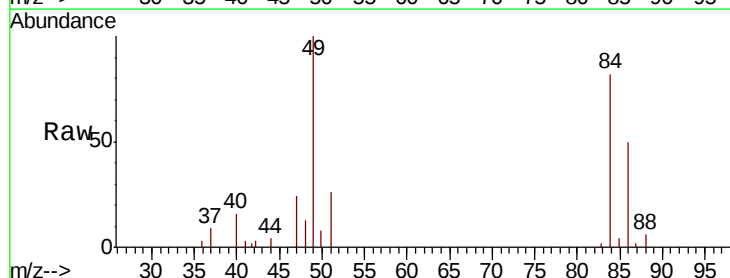
Ion Ratio Lower Upper

84 100

49 121.6 103.4 155.0

51 31.4 31.4 47.2#

86 60.8 51.7 77.5



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

12000

10000

8000

6000

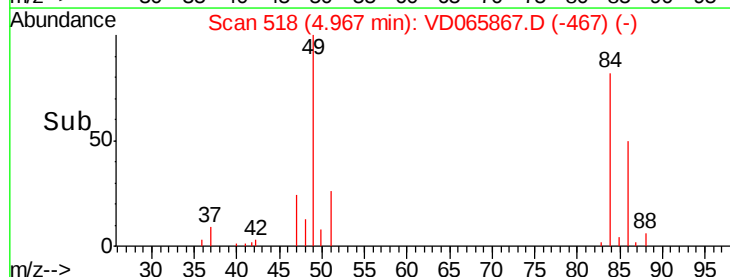
4000

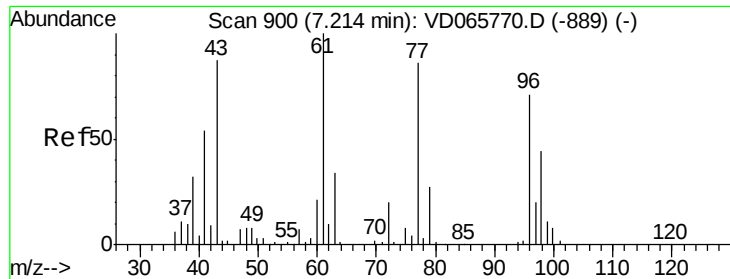
2000

0

4.90 4.97 5.00

Time-->





#25

2-Butanone

Concen: 1.844 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065867.D

Acq: 23 Jun 2020 18:25

Instrument :

MSVOA_D

ClientSampled :

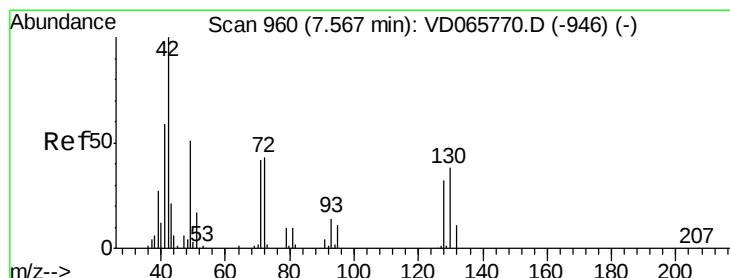
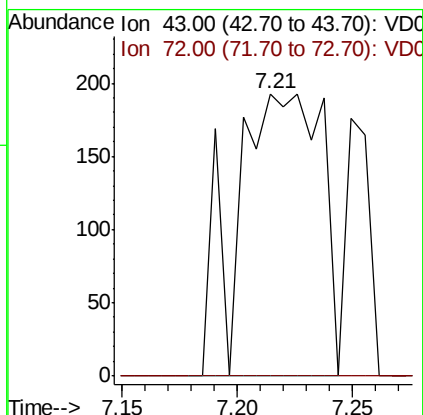
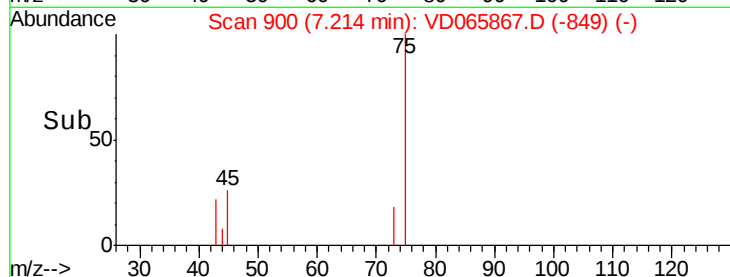
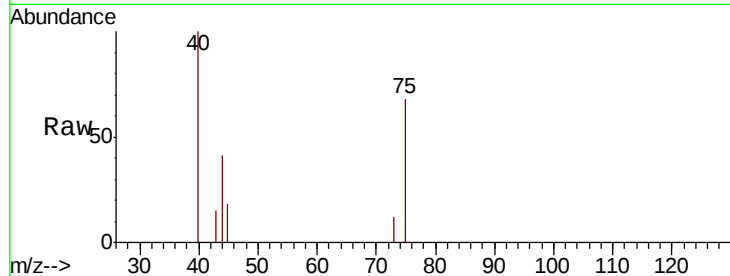
SB-10

Tot Ion: 43 Resp: 502

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



#29

Tetrahydrofuran

Concen: 1.743 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD065867.D

Acq: 23 Jun 2020 18:25

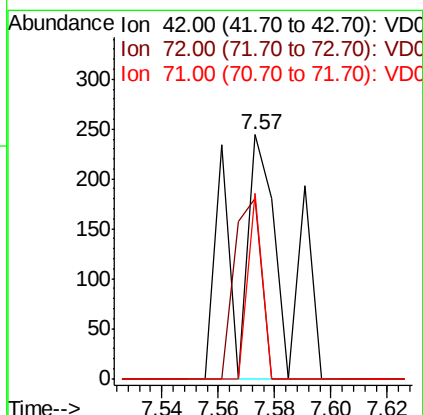
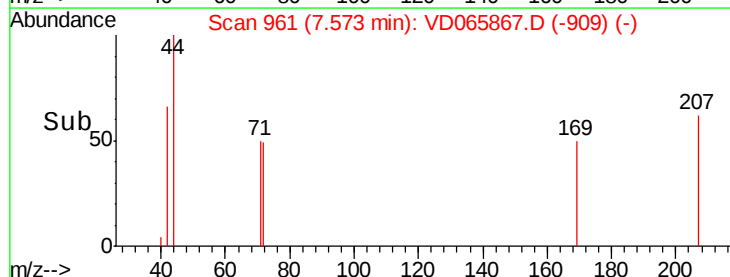
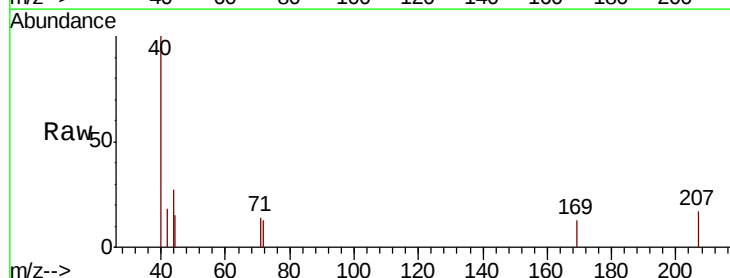
Tgt Ion: 42 Resp: 300

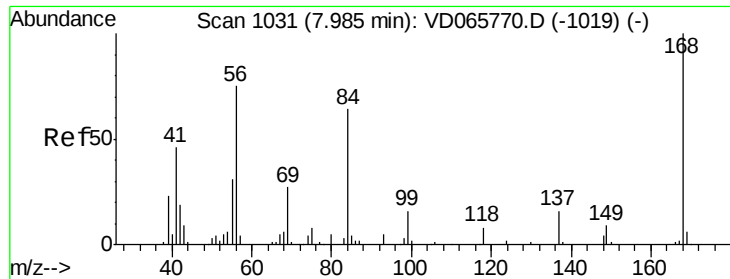
Ion Ratio Lower Upper

42 100

72 39.7 34.9 52.3

71 21.7 31.2 46.8#

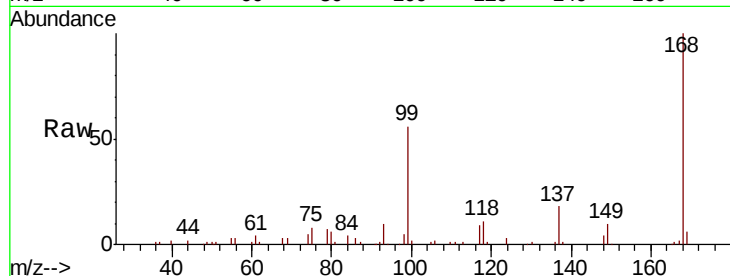




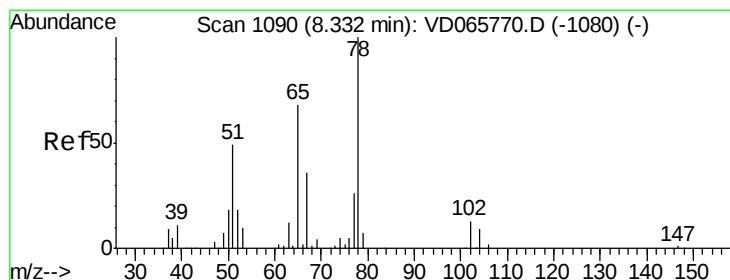
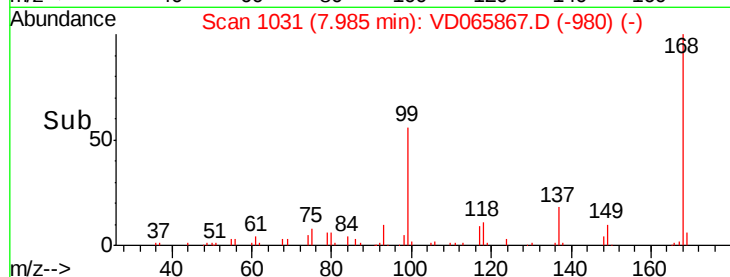
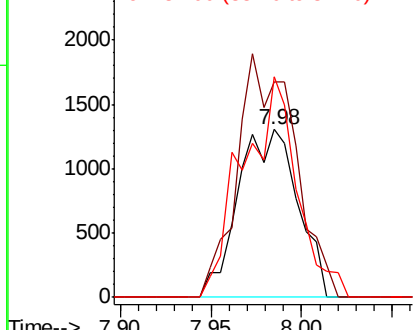
#31
Cyclohexane
Concen: 1.598 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065867.D
Acq: 23 Jun 2020 18:25

Instrument :
MSVOA_D
ClientSampleID :
SB-10

Tot Ion: 56 Resp: 2995
Ion Ratio Lower Upper
56 100
69 128.2 28.5 42.7#
84 131.1 68.4 102.6#

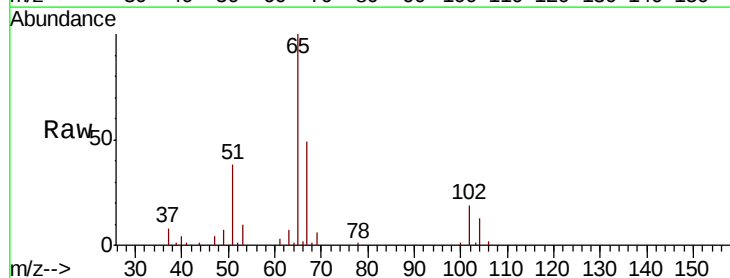


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

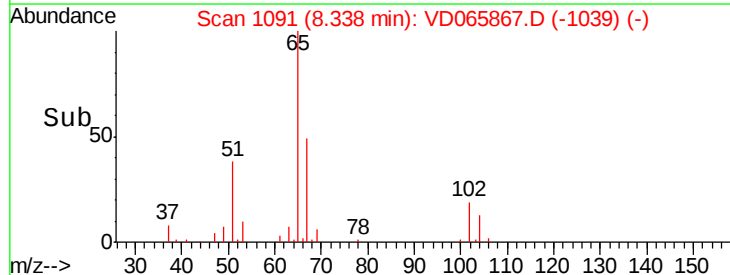
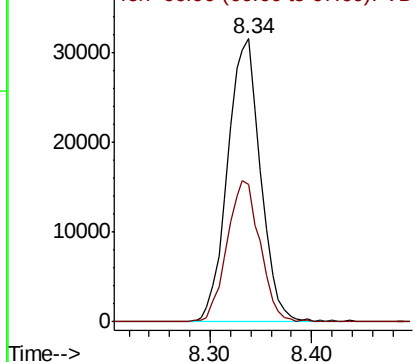


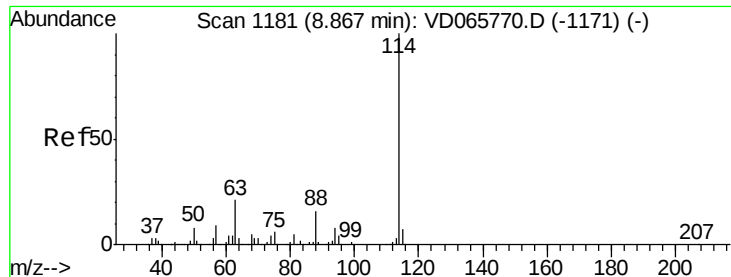
#33
1,2-Dichloroethane-d4
Concen: 67.763 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD065867.D
Acq: 23 Jun 2020 18:25

Tgt Ion: 65 Resp: 70829
Ion Ratio Lower Upper
65 100
67 49.8 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

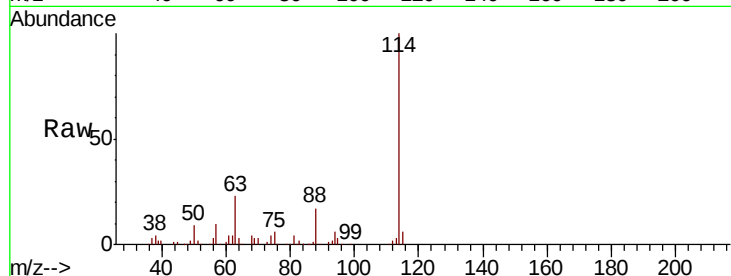




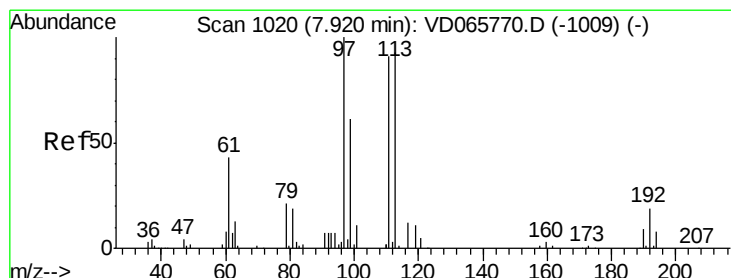
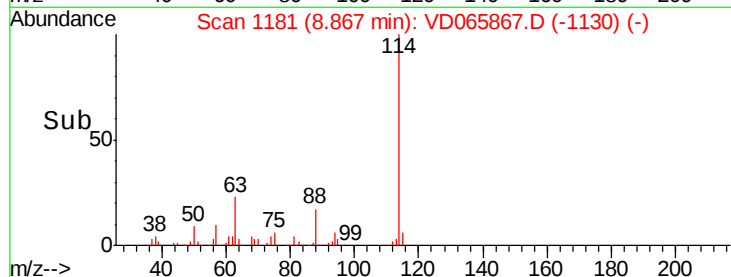
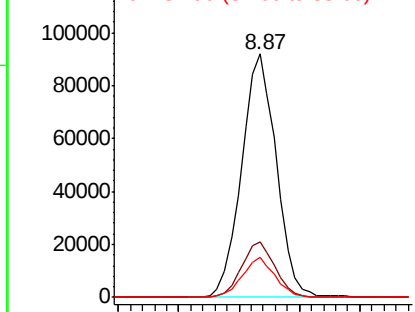
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065867.D
 Acq: 23 Jun 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-10

Tot Ion:114 Resp: 184744
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 41.8
 88 16.7 0.0 32.0

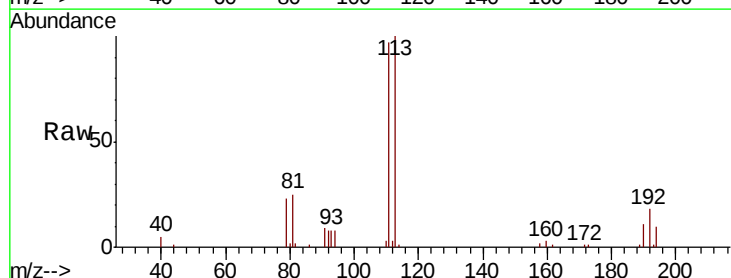


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

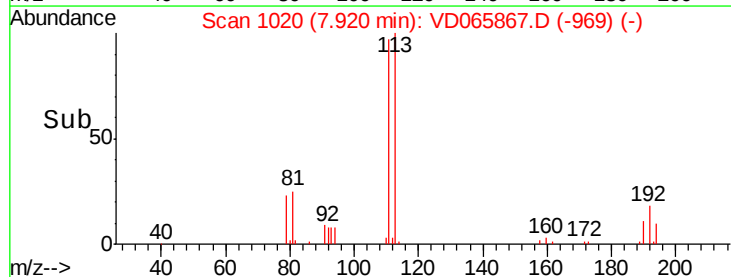
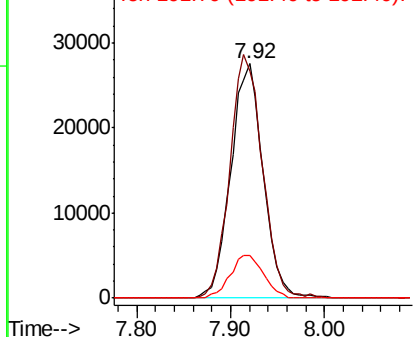


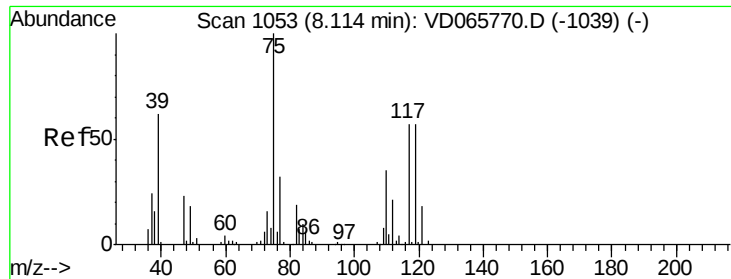
#35
 Dibromofluoromethane
 Concen: 56.472 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065867.D
 Acq: 23 Jun 2020 18:25

Tgt Ion:113 Resp: 65900
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.4 125.0
 192 18.8 15.7 23.5



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

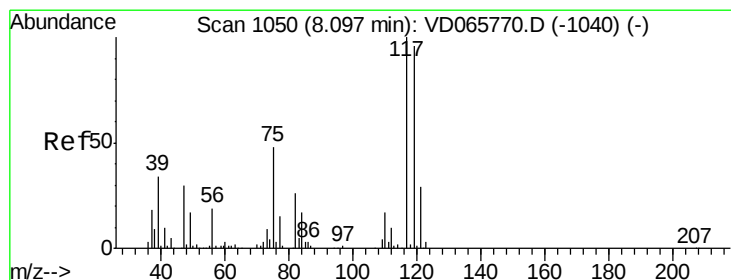
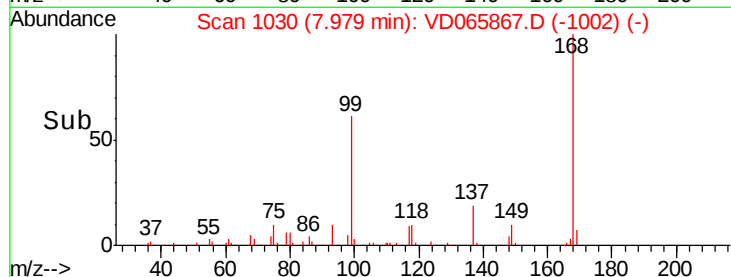
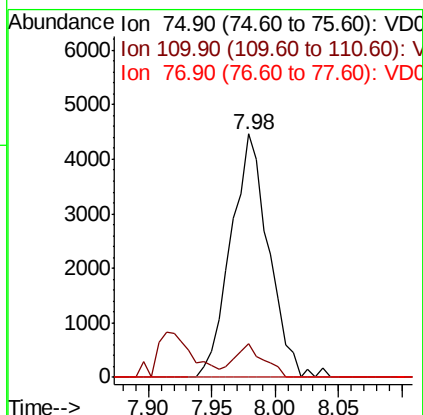
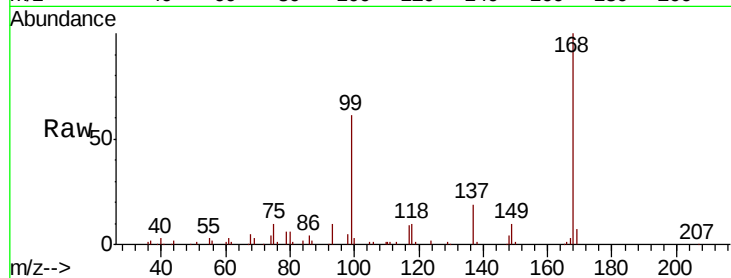




#36
 1,1-Dichloropropene
 Concen: 5.223 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065867.D
 Acq: 23 Jun 2020 18:25

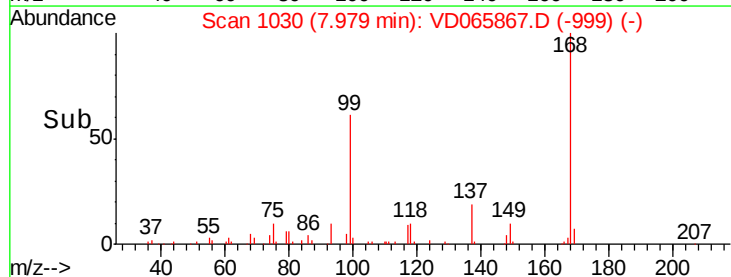
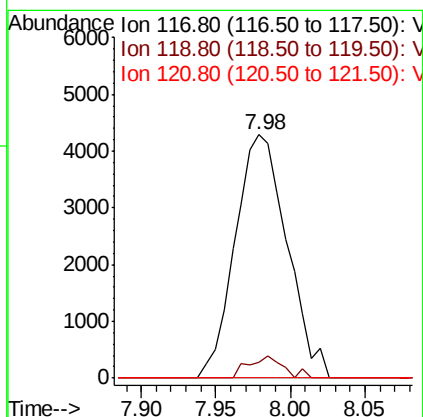
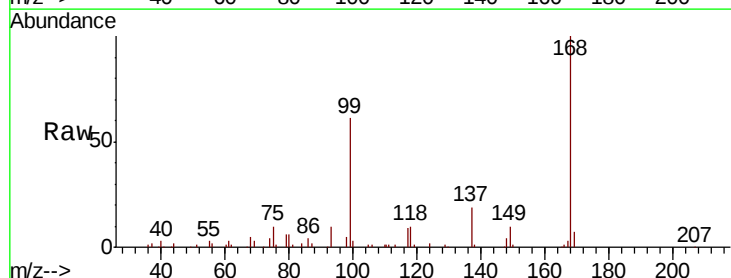
Instrument :
 MSVOA_D
 ClientSampleID :
 SB-10

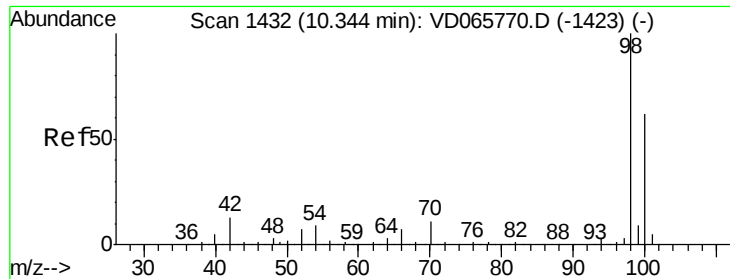
Tot Ion: 75 Resp: 9244
 Ion Ratio Lower Upper
 75 100
 110 10.4 17.6 52.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.557 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065867.D
 Acq: 23 Jun 2020 18:25

Tgt Ion: 117 Resp: 10349
 Ion Ratio Lower Upper
 117 100
 119 6.4 76.8 115.2#
 121 0.0 23.4 35.2#





#50

Toluene-d8

Concen: 48.602 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065867.D

Acq: 23 Jun 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

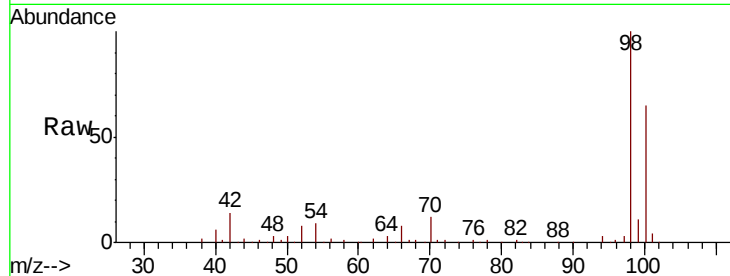
SB-10

Tot Ion: 98 Resp: 211489

Ion Ratio Lower Upper

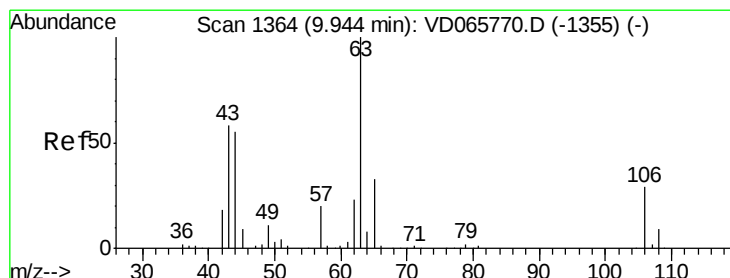
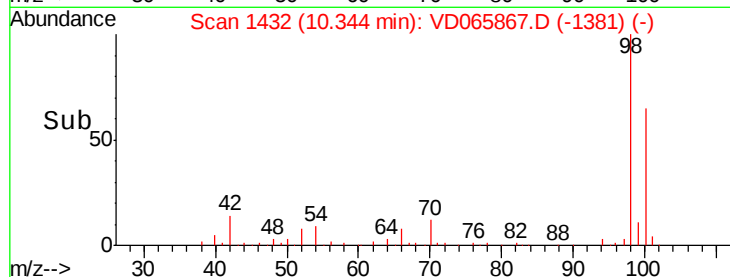
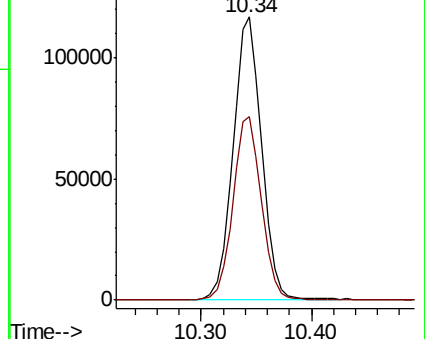
98 100

100 64.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 1.821 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065867.D

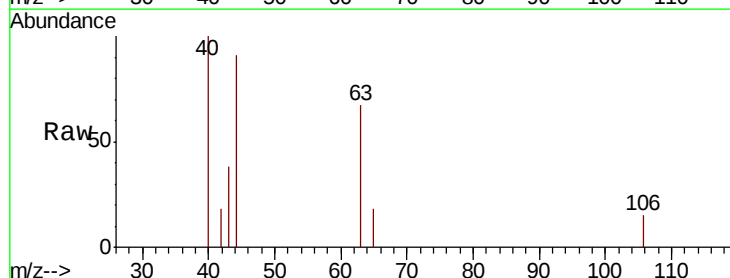
Acq: 23 Jun 2020 18:25

Tgt Ion: 63 Resp: 877

Ion Ratio Lower Upper

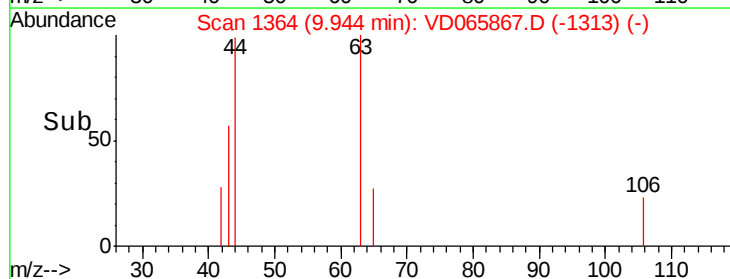
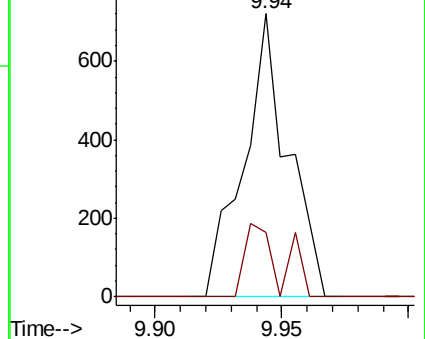
63 100

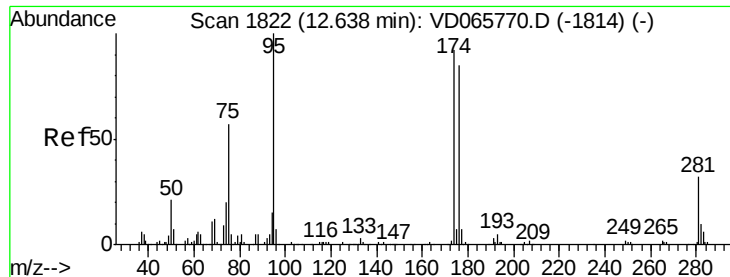
106 20.6 23.2 34.8#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

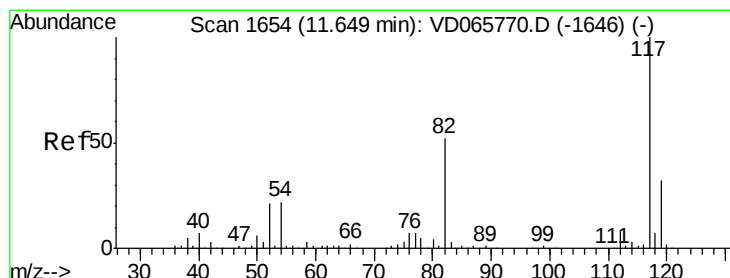
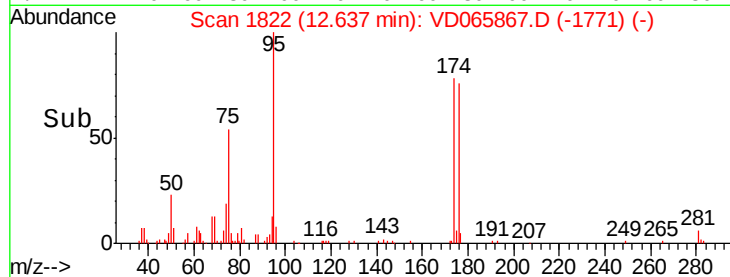
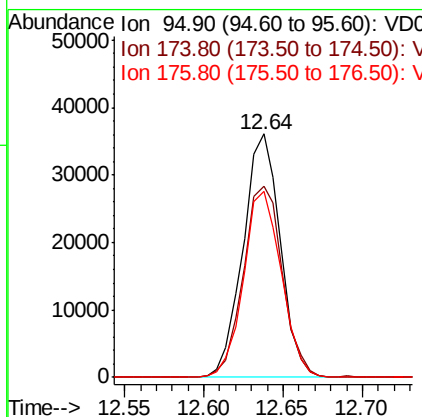
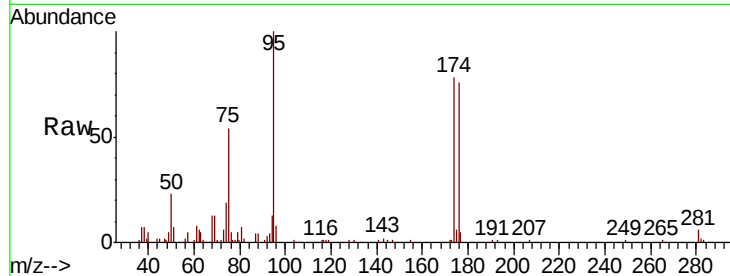




#62
4-Bromofluorobenzene
Concen: 39.940 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065867.D
Acq: 23 Jun 2020 18:25

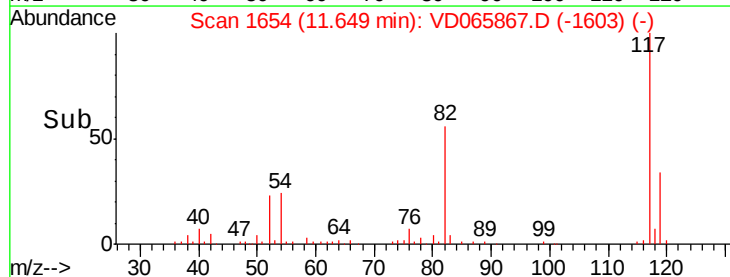
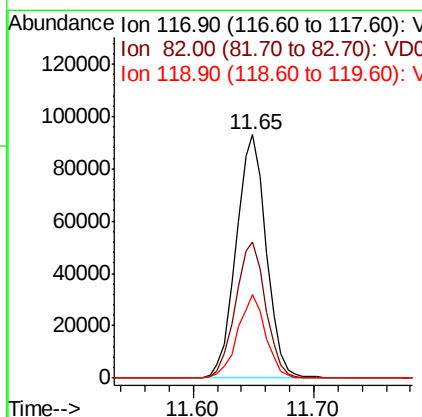
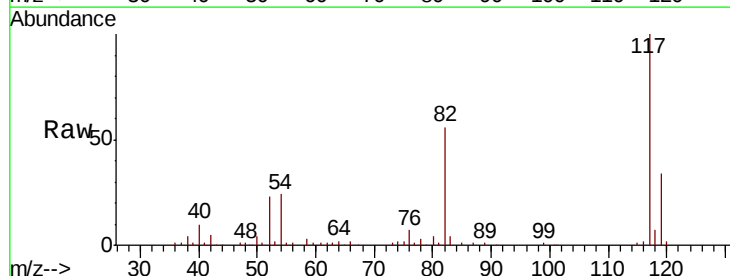
Instrument :
MSVOA_D
ClientSampleId :
SB-10

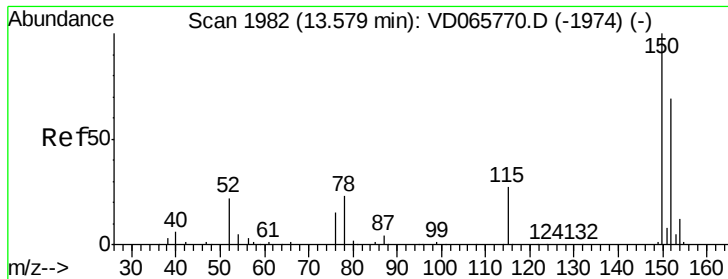
Tot Ion: 95 Resp: 58940
Ion Ratio Lower Upper
95 100
174 82.4 0.0 175.2
176 77.7 0.0 163.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065867.D
Acq: 23 Jun 2020 18:25

Tgt Ion: 117 Resp: 161334
Ion Ratio Lower Upper
117 100
82 56.2 41.9 62.9
119 34.3 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD065867.D

Acq: 23 Jun 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

SB-10

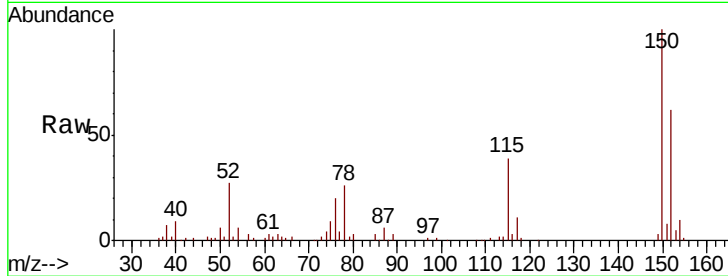
Tot Ion:152 Resp: 58873

Ion Ratio Lower Upper

152 100

115 59.2 28.7 86.1

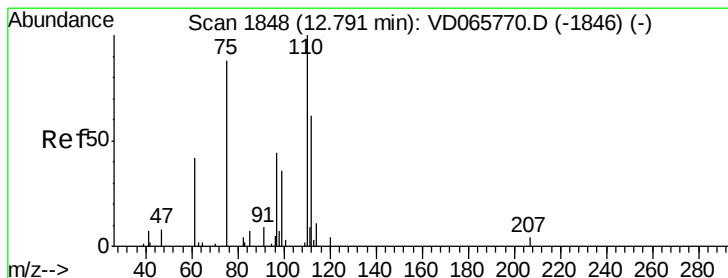
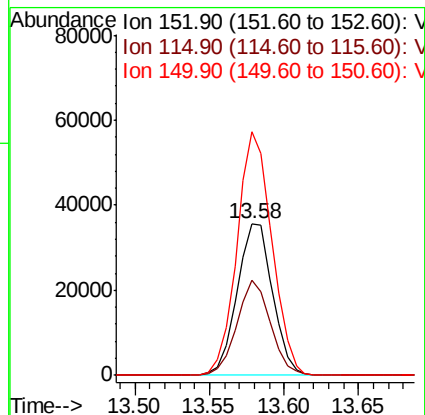
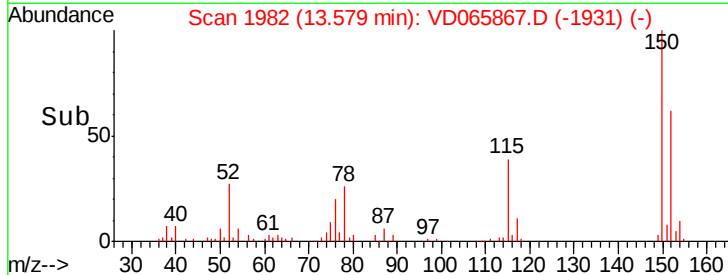
150 157.5 0.0 348.0



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



#76

1,2,3-Trichloropropane

Concen: 72.635 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065867.D

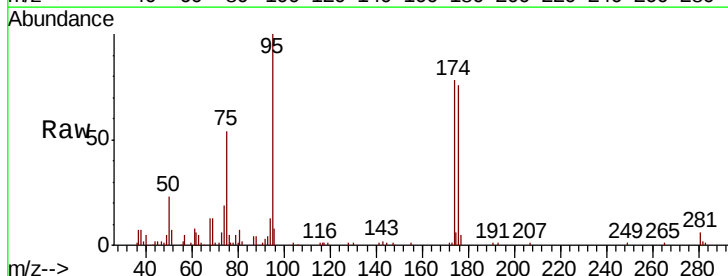
Acq: 23 Jun 2020 18:25

Tgt Ion: 75 Resp: 33257

Ion Ratio Lower Upper

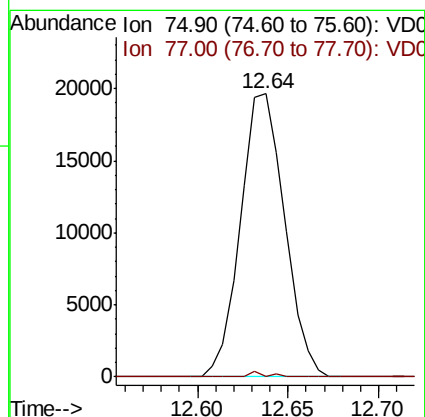
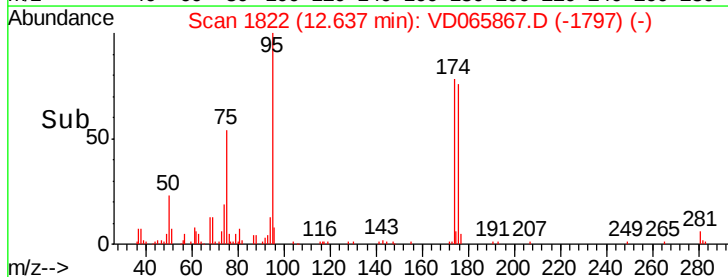
75 100

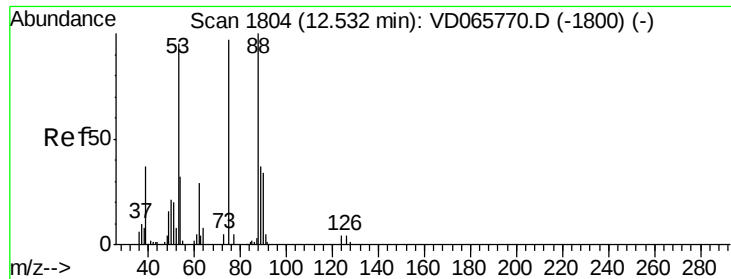
77 0.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 156.937 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065867.D

Acq: 23 Jun 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

SB-10

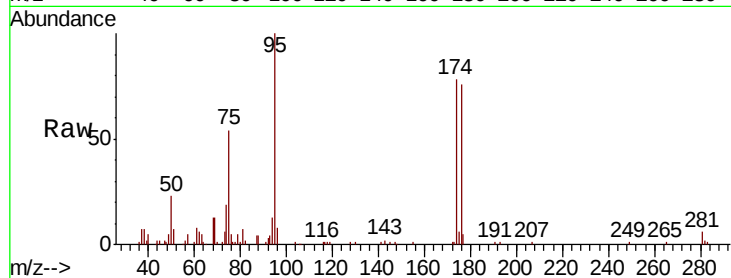
Tot Ion: 75 Resp: 33257

Ion Ratio Lower Upper

75 100

53 0.2 82.6 123.8#

89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

