

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062320\
 Data File : VD065868.D
 Acq On : 23 Jun 2020 18:52
 Operator : VA/SY
 Sample : L3082-10
 Misc : 4.58G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-11

Quant Time: Jun 24 04:45:41 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	35471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	65121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	57533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	17202	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	41873	119.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	238.94%	
35) Dibromofluoromethane	7.92	113	30012	72.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	145.92%	
50) Toluene-d8	10.34	98	74510	48.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.16%	
62) 4-Bromofluorobenzene	12.64	95	18733	36.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	72.02%	

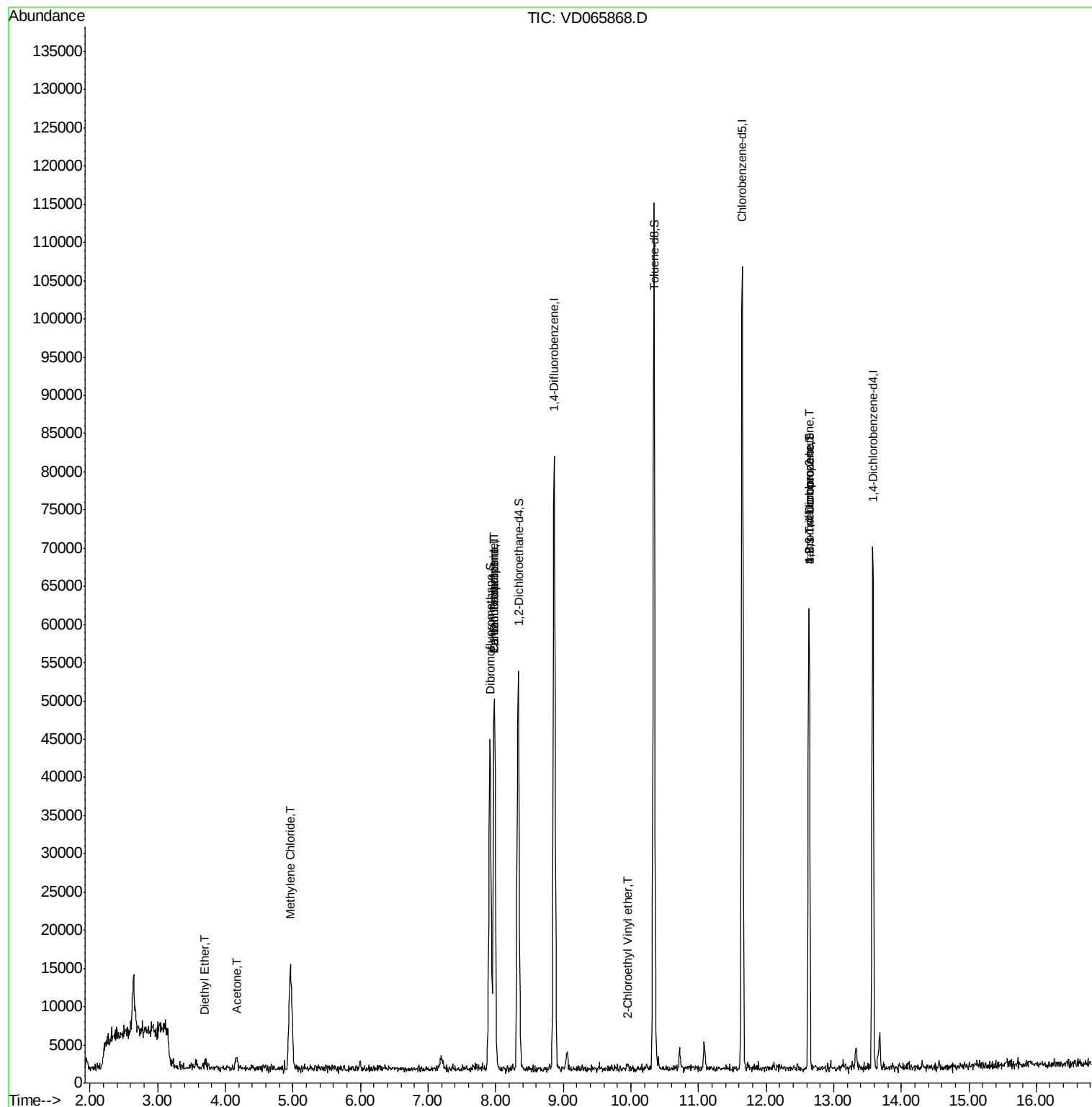
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	54	Below Cal	#	43
8) Diethyl Ether	3.70	74	324	2.078	ug/l	93
16) Acetone	4.17	43	2070	31.309	ug/l #	47
18) Methyl Acetate	4.97	43	91	Below Cal	#	52
20) Methylene Chloride	4.97	84	9686	25.397	ug/l	95
36) 1,1-Dichloropropene	7.98	75	2914	4.671	ug/l #	45
38) Carbon Tetrachloride	7.98	117	3856	5.873	ug/l #	12
58) 2-Chloroethyl Vinyl ether	9.95	63	240	1.413	ug/l #	46
76) 1,2,3-Trichloropropane	12.63	75	10822	80.893	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	10822	174.778	ug/l #	9

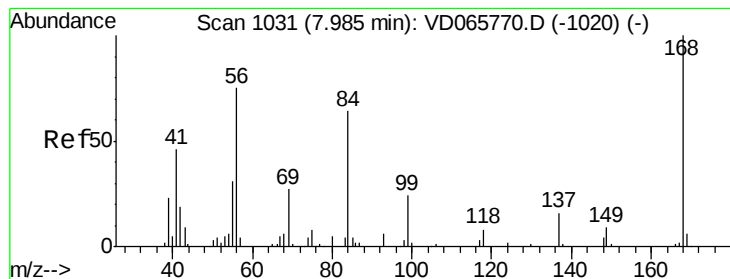
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065868.D

Acq: 23 Jun 2020 18:52

Instrument :

MSVOA_D

ClientSampleId :

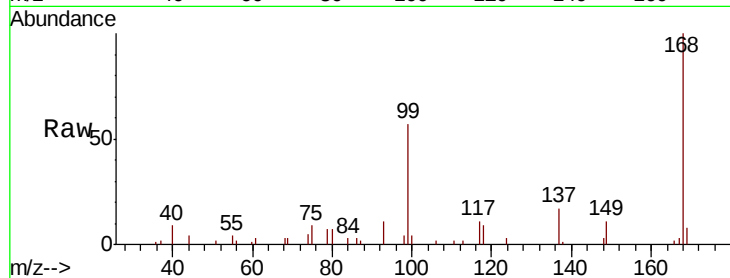
SB-11

Tot Ion:168 Resp: 35471

Ion Ratio Lower Upper

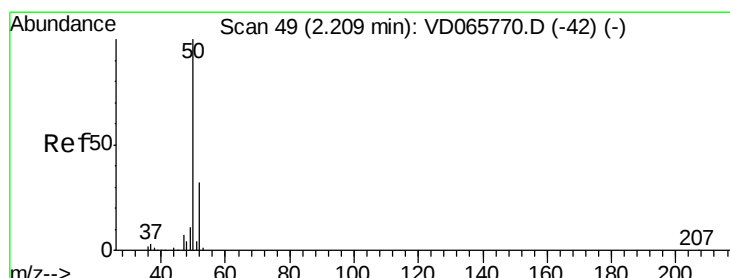
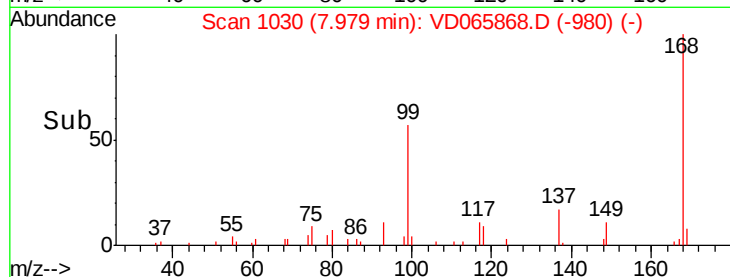
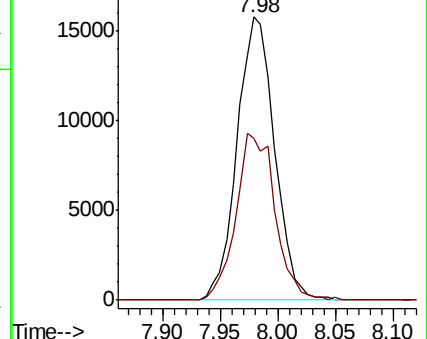
168 100

99 57.1 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065868.D

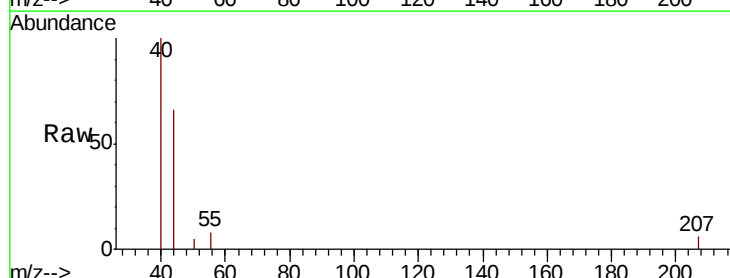
Acq: 23 Jun 2020 18:52

Tgt Ion: 50 Resp: 54

Ion Ratio Lower Upper

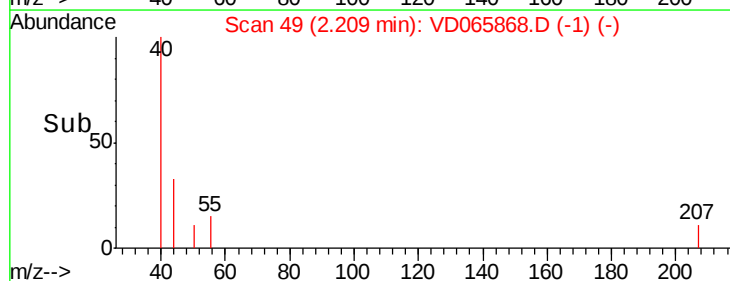
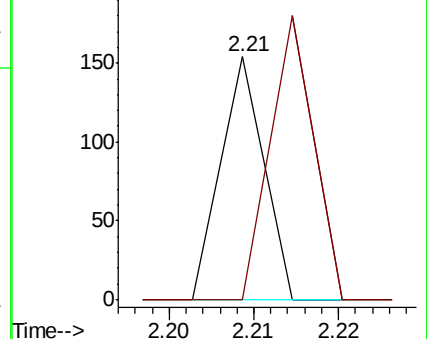
50 100

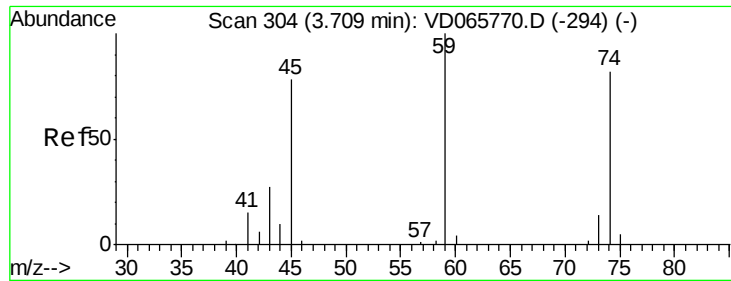
52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#8

Diethyl Ether

Concen: 2.078 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065868.D

Acq: 23 Jun 2020 18:52

Instrument :

MSVOA_D

ClientSampleId :

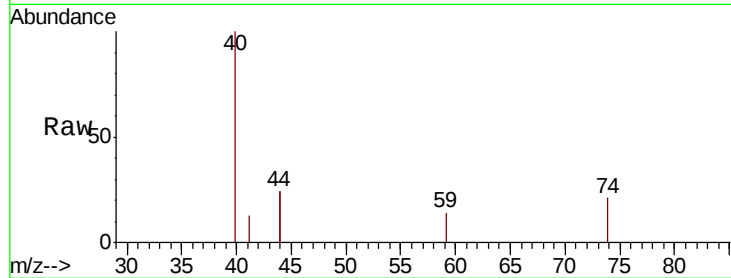
SB-11

Tot Ion: 74 Resp: 324

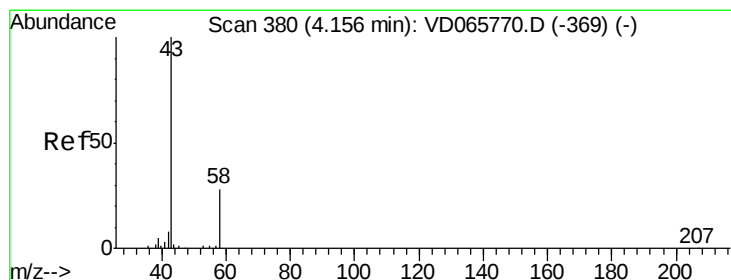
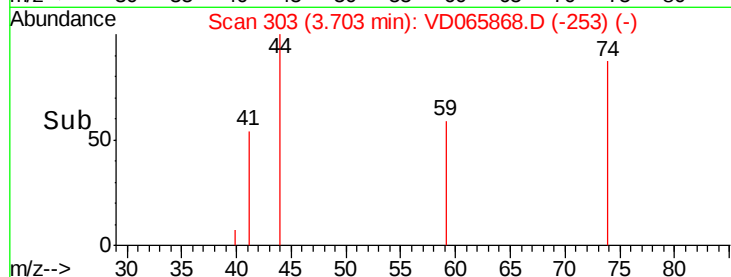
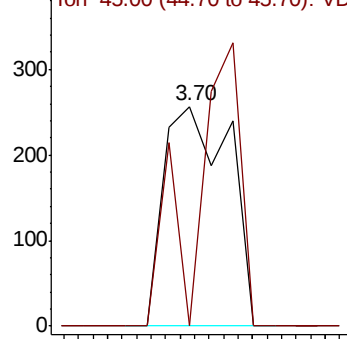
Ion Ratio Lower Upper

74 100

45 89.2 47.9 143.8



Abundance Ion 74.00 (73.70 to 74.70): VDC



#16

Acetone

Concen: 31.309 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD065868.D

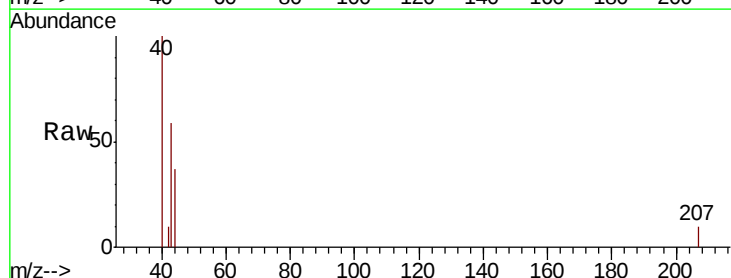
Acq: 23 Jun 2020 18:52

Tgt Ion: 43 Resp: 2070

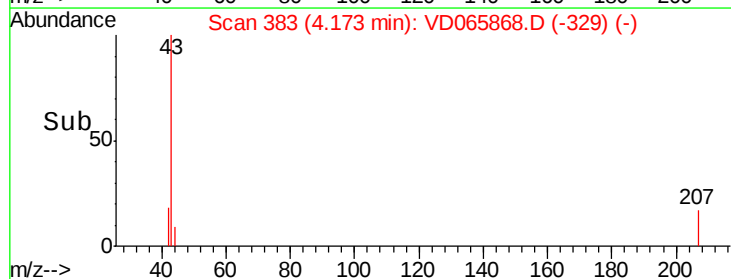
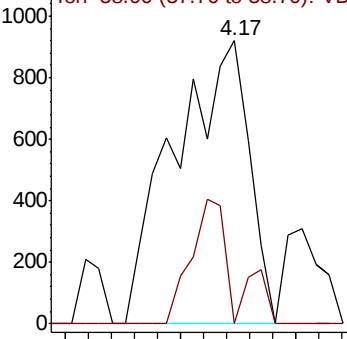
Ion Ratio Lower Upper

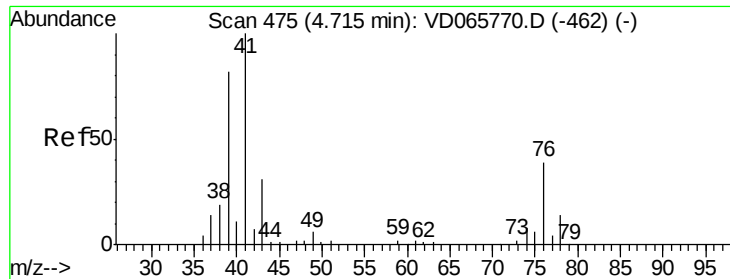
43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

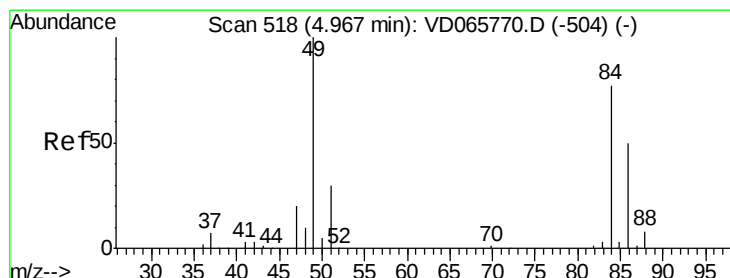
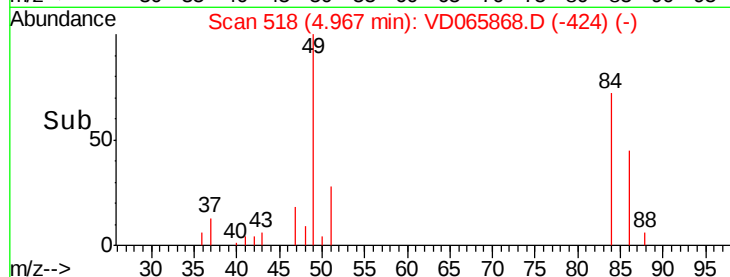
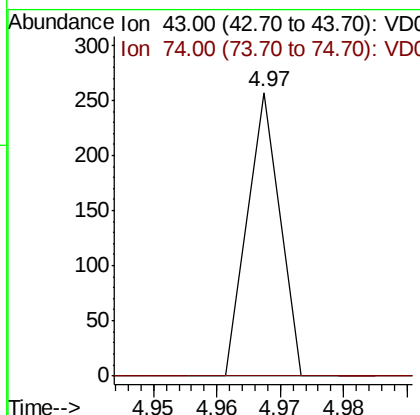
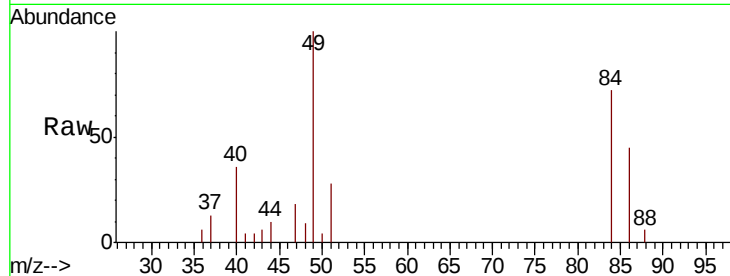




#18
Methyl Acetate
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.25 min
Lab File: VD065868.D
Acq: 23 Jun 2020 18:52

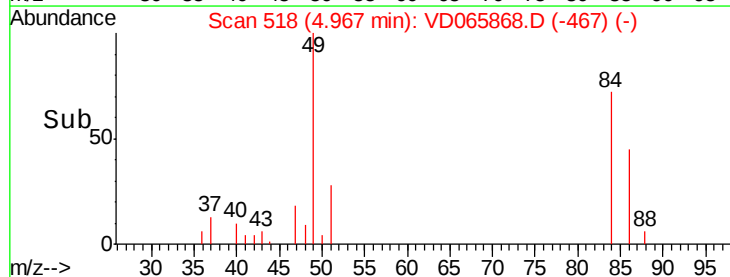
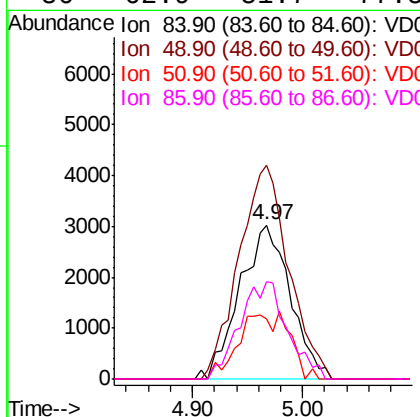
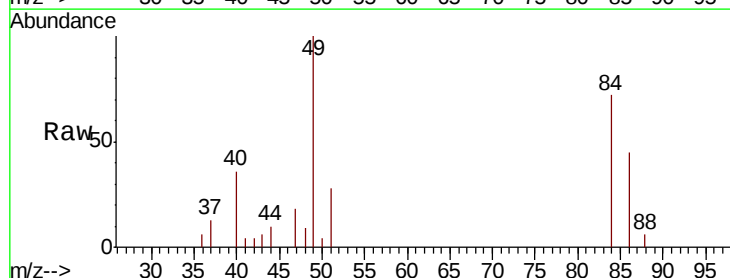
Instrument :
MSVOA_D
ClientSampleId :
SB-11

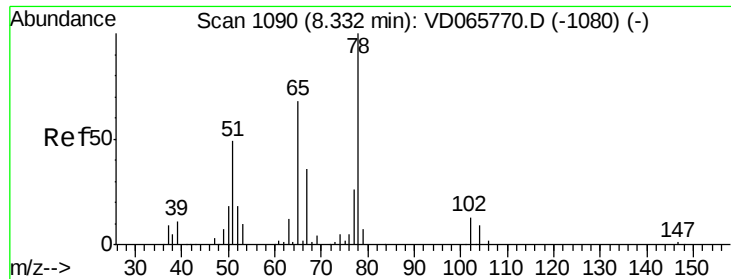
Tot Ion: 43 Resp: 91
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



#20
Methylene Chloride
Concen: 25.397 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065868.D
Acq: 23 Jun 2020 18:52

Tgt Ion: 84 Resp: 9686
Ion Ratio Lower Upper
84 100
49 138.5 103.4 155.0
51 38.8 31.4 47.2
86 62.9 51.7 77.5





#33

1,2-Dichloroethane-d4

Concen: 119.466 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD065868.D

Acq: 23 Jun 2020 18:52

Instrument :

MSVOA_D

ClientSampleId :

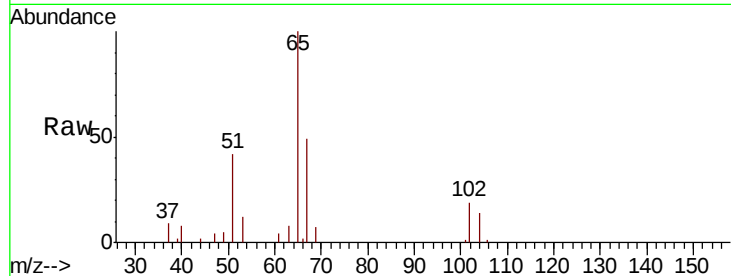
SB-11

Tot Ion: 65 Resp: 41873

Ion Ratio Lower Upper

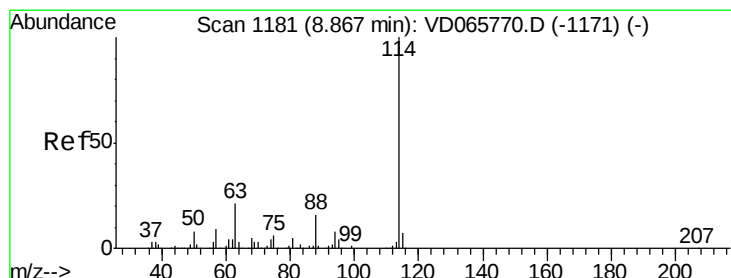
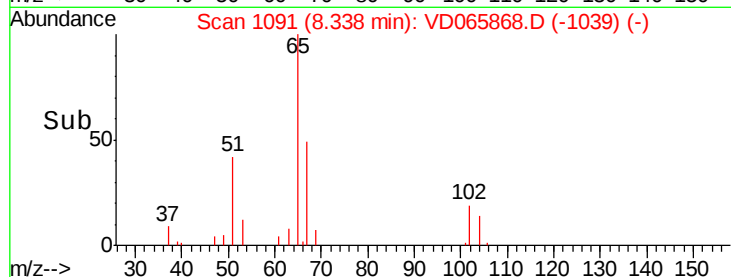
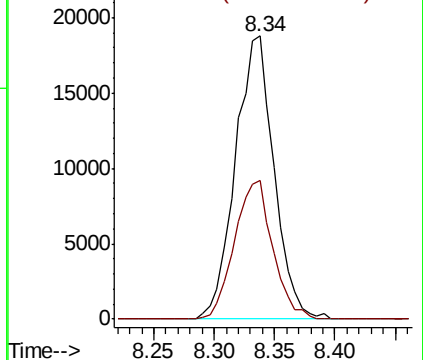
65 100

67 48.5 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: VD065868.D

Acq: 23 Jun 2020 18:52

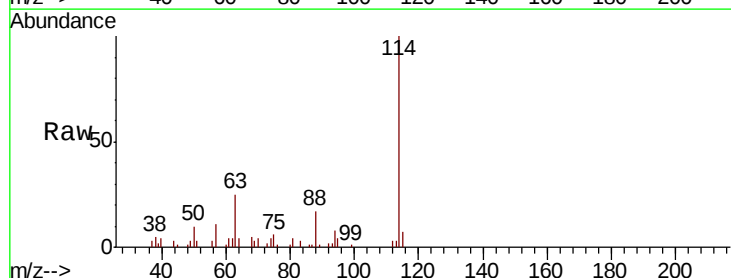
Tgt Ion: 114 Resp: 65121

Ion Ratio Lower Upper

114 100

63 24.6 0.0 41.8

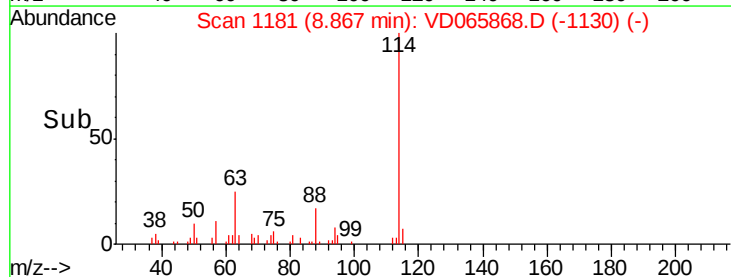
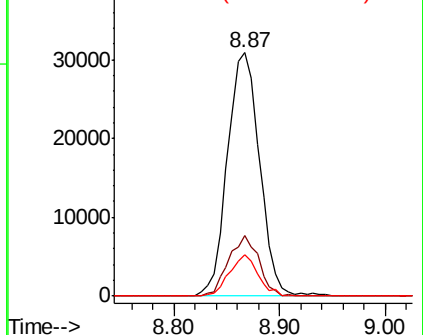
88 16.9 0.0 32.0

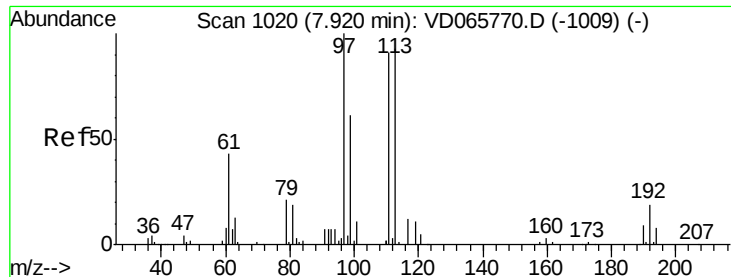


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

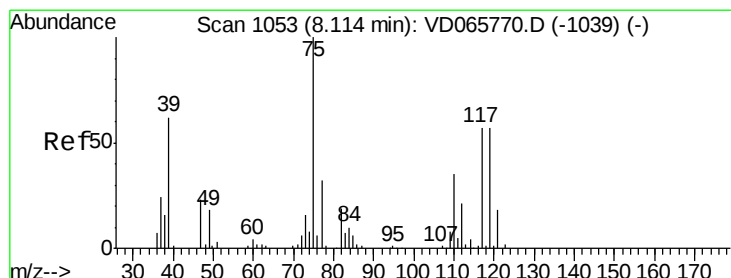
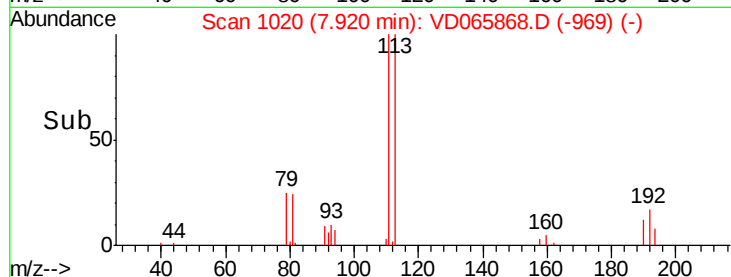
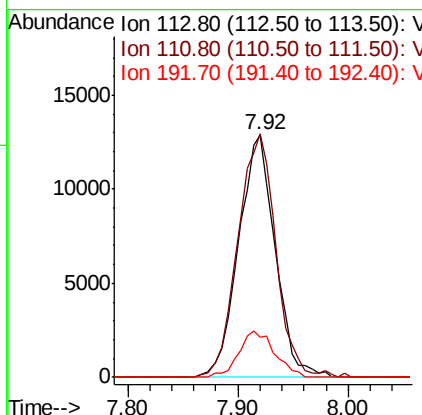
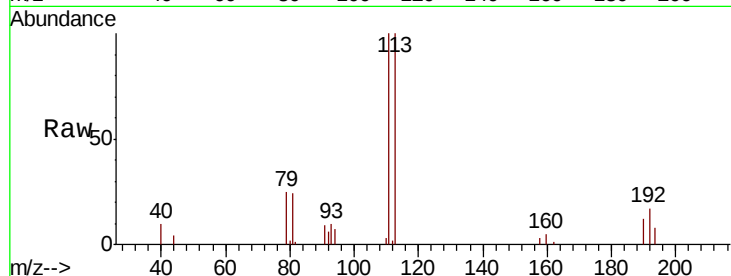




#35
 Dibromofluoromethane
 Concen: 72.961 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065868.D
 Acq: 23 Jun 2020 18:52

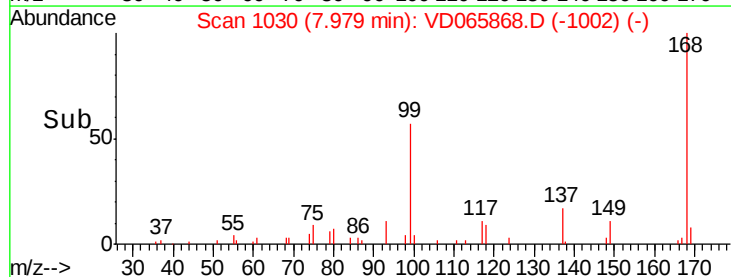
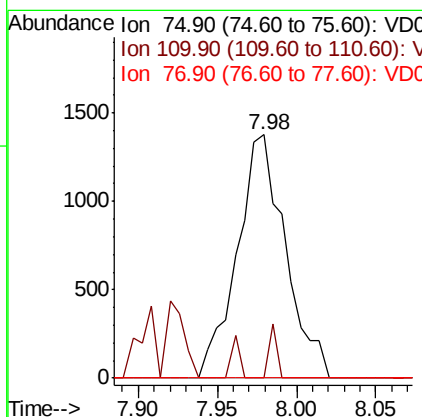
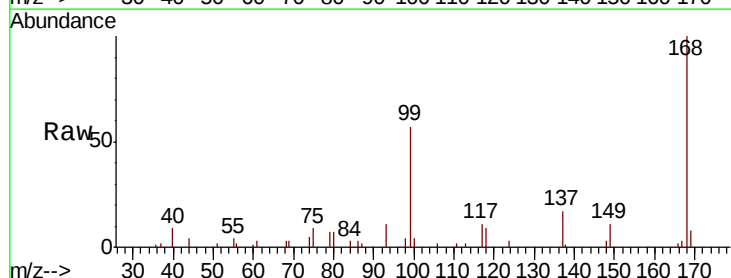
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-11

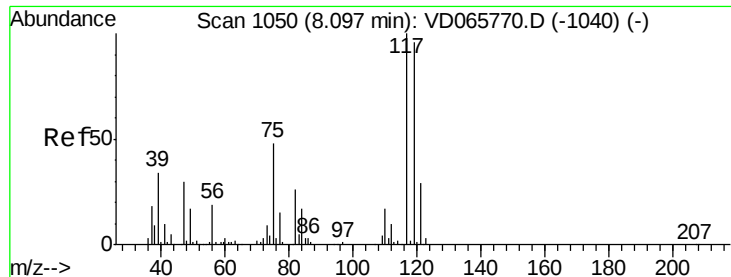
Tot Ion:113 Resp: 30012
 Ion Ratio Lower Upper
 113 100
 111 104.3 83.4 125.0
 192 18.8 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 4.671 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065868.D
 Acq: 23 Jun 2020 18:52

Tgt Ion: 75 Resp: 2914
 Ion Ratio Lower Upper
 75 100
 110 3.7 17.6 52.8#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.873 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065868.D

Acq: 23 Jun 2020 18:52

Instrument :

MSVOA_D

ClientSampleId :

SB-11

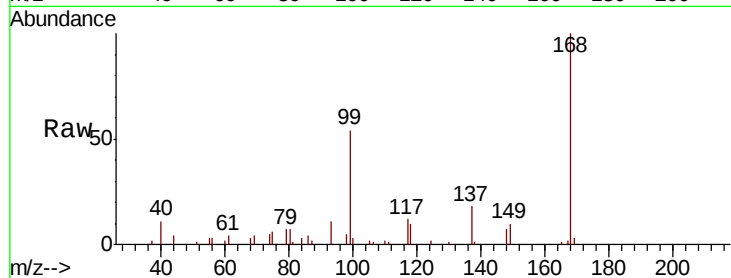
Tot Ion:117 Resp: 3856

Ion Ratio Lower Upper

117 100

119 0.0 76.8 115.2#

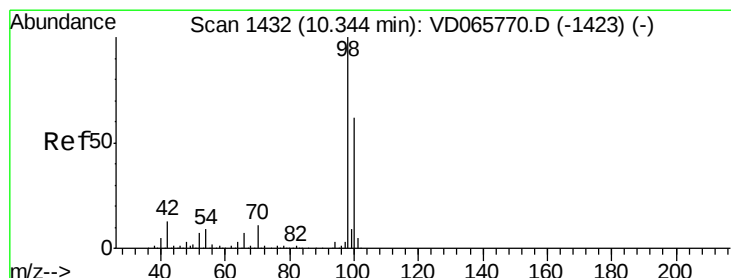
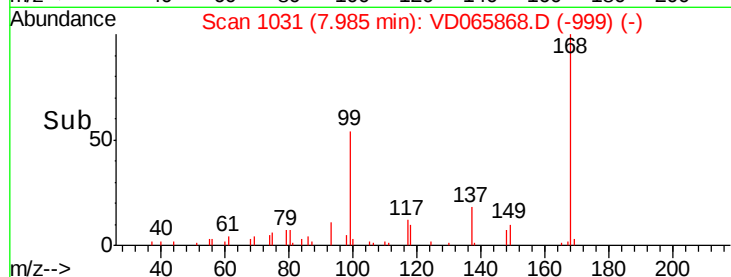
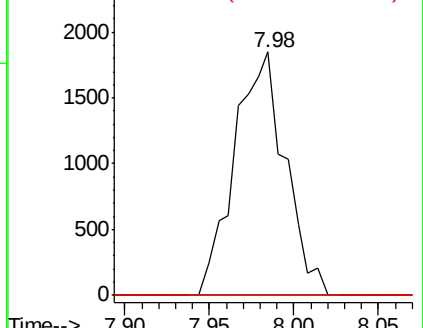
121 0.0 23.4 35.2#



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



#50

Toluene-d8

Concen: 48.577 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065868.D

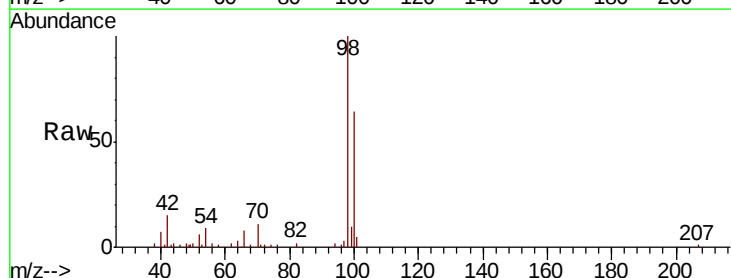
Acq: 23 Jun 2020 18:52

Tgt Ion: 98 Resp: 74510

Ion Ratio Lower Upper

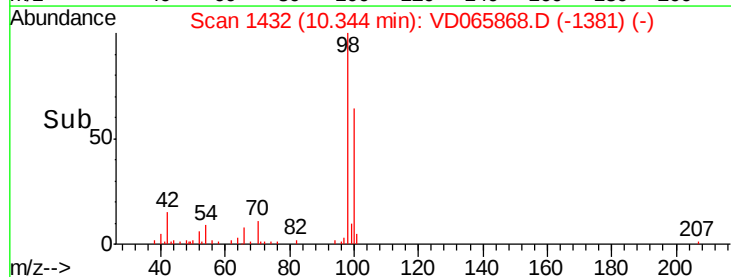
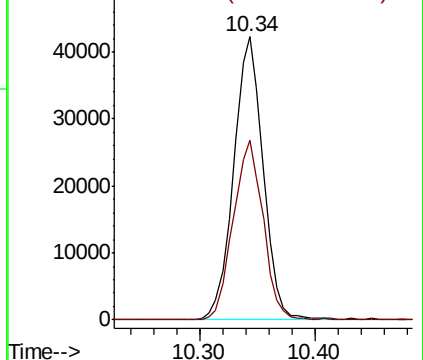
98 100

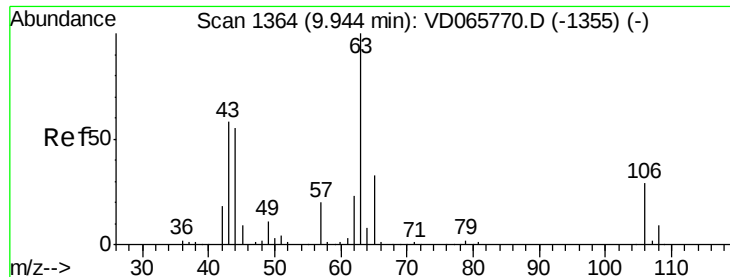
100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

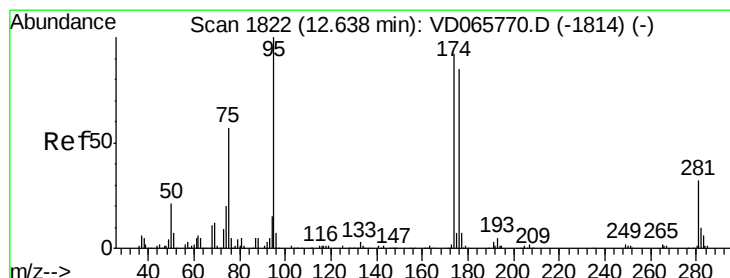
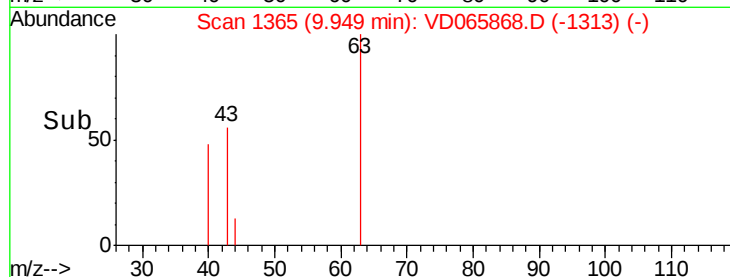
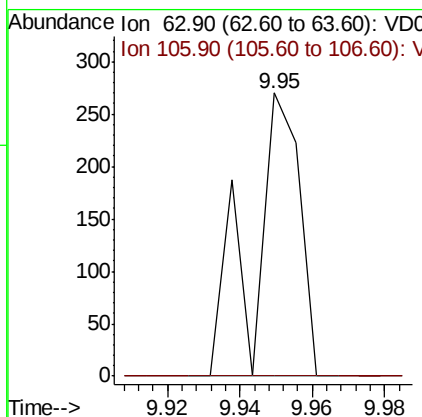
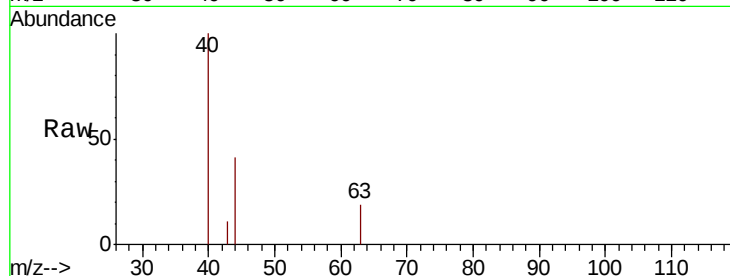




#58
2-Chloroethyl Vinyl ether
Concen: 1.413 ug/l
RT: 9.95 min Scan# 1365
Delta R.T. 0.01 min
Lab File: VD065868.D
Acq: 23 Jun 2020 18:52

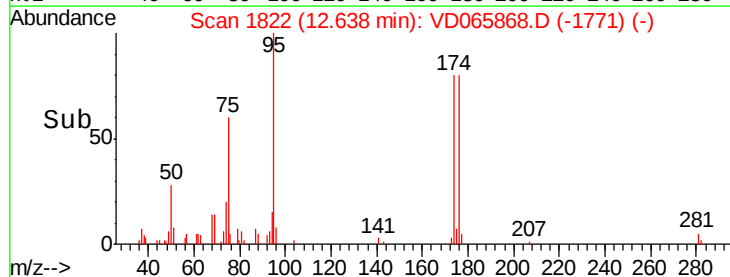
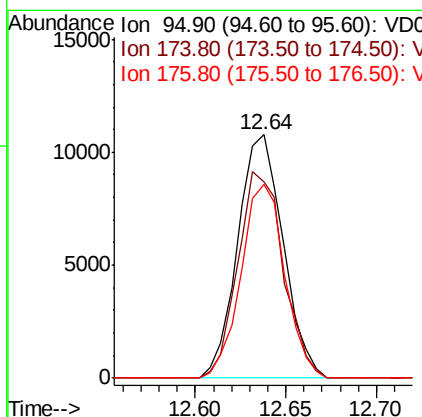
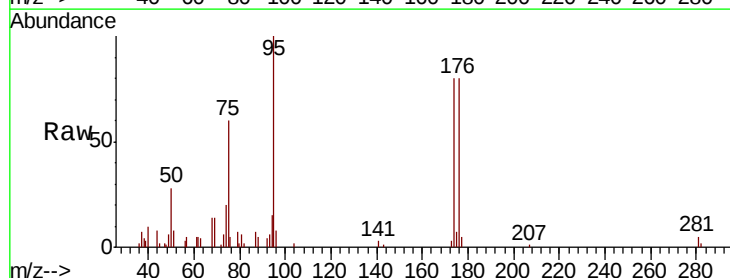
Instrument :
MSVOA_D
ClientSampleId :
SB-11

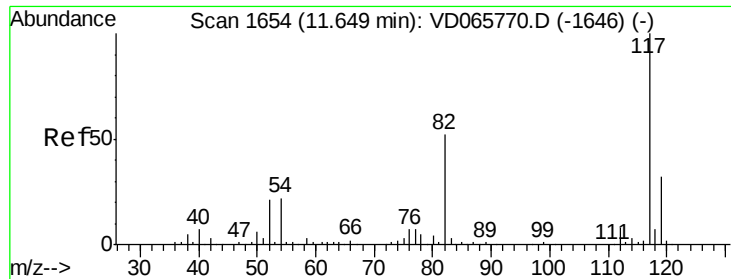
Tot Ion: 63 Resp: 240
Ion Ratio Lower Upper
63 100
106 0.0 23.2 34.8#



#62
4-Bromofluorobenzene
Concen: 36.012 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065868.D
Acq: 23 Jun 2020 18:52

Tgt Ion: 95 Resp: 18733
Ion Ratio Lower Upper
95 100
174 85.0 0.0 175.2
176 76.9 0.0 163.0

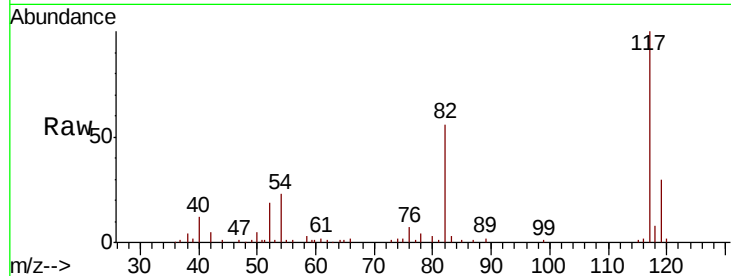




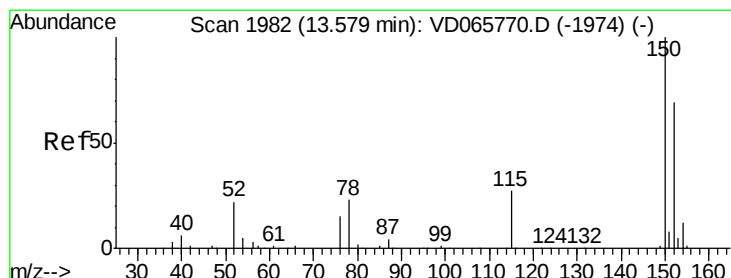
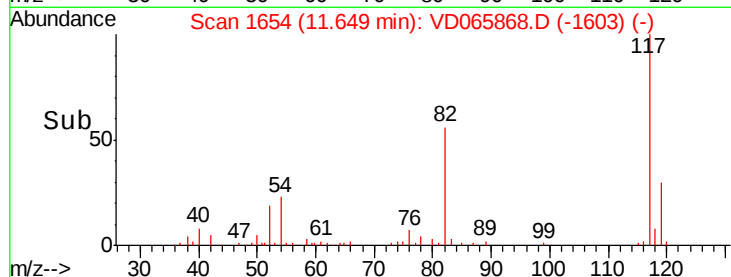
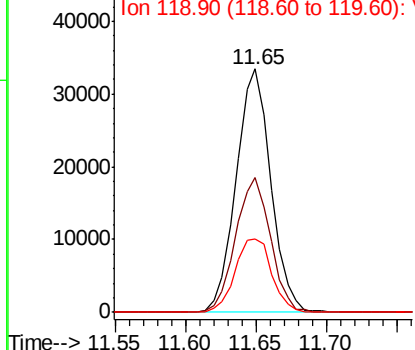
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065868.D
Acq: 23 Jun 2020 18:52

Instrument :
MSVOA_D
ClientSampleId :
SB-11

Tot Ion:117 Resp: 57533
Ion Ratio Lower Upper
117 100
82 55.6 41.9 62.9
119 30.4 25.3 37.9

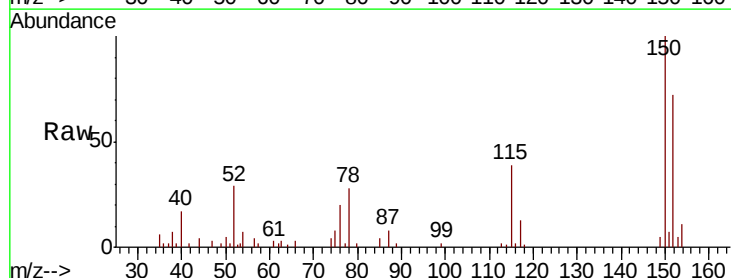


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

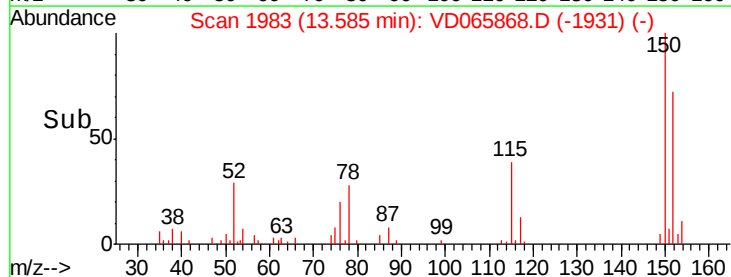
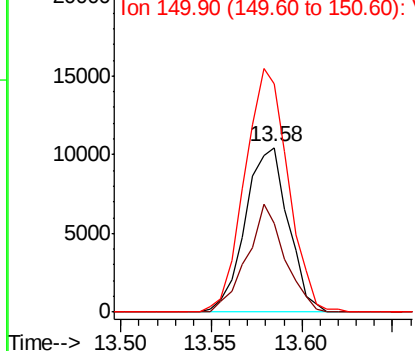


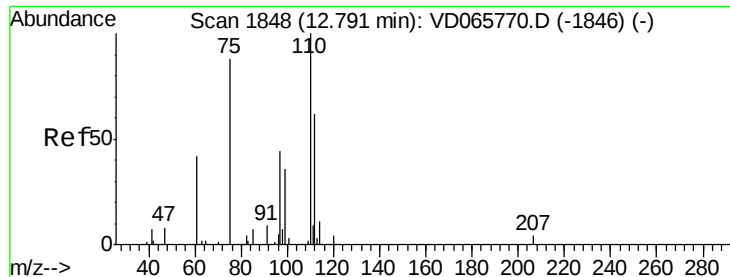
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD065868.D
Acq: 23 Jun 2020 18:52

Tgt Ion:152 Resp: 17202
Ion Ratio Lower Upper
152 100
115 57.9 28.7 86.1
150 149.3 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: 80.893 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.16 min

Lab File: VD065868.D

Acq: 23 Jun 2020 18:52

Instrument :

MSVOA_D

ClientSampleId :

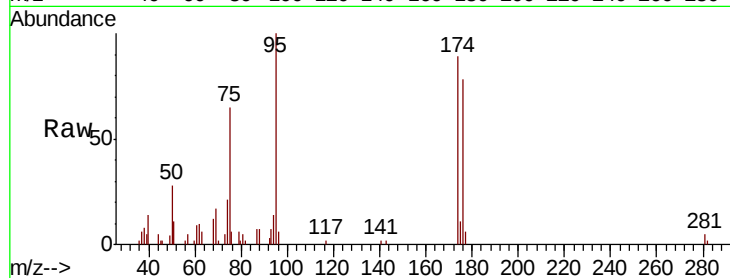
SB-11

Tot Ion: 75 Resp: 10822

Ion Ratio Lower Upper

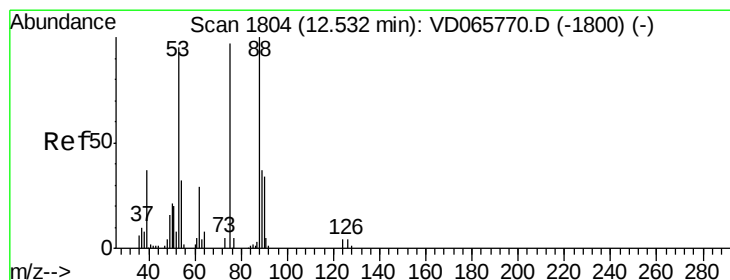
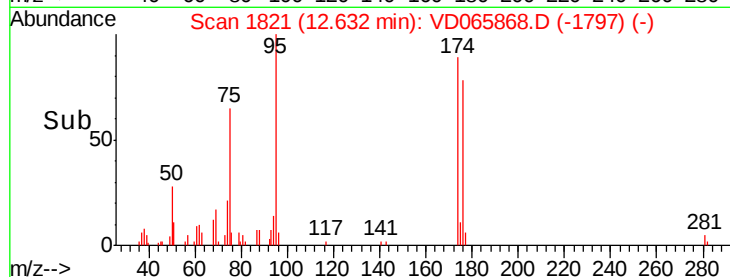
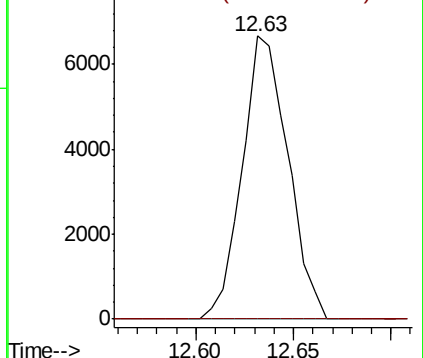
75 100

77 0.0 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: 174.778 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD065868.D

Acq: 23 Jun 2020 18:52

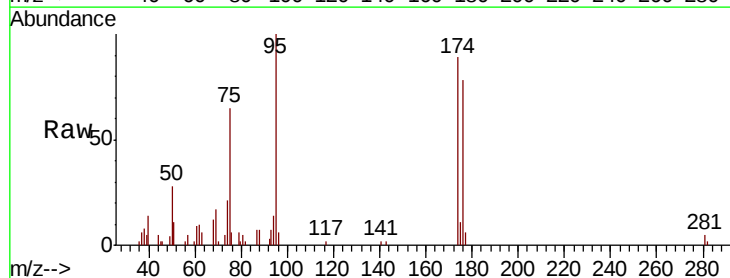
Tgt Ion: 75 Resp: 10822

Ion Ratio Lower Upper

75 100

53 0.0 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

