

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062320\
 Data File : VD065870.D
 Acq On : 23 Jun 2020 19:46
 Operator : VA/SY
 Sample : L3082-12
 Misc : 4.56G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13

Quant Time: Jun 24 04:46:03 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	104647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	187745	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	145024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	57958	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	65951	63.78	ug/l	0.00
Spiked Amount			Recovery	=	127.56%	
35) Dibromofluoromethane	7.92	113	64945	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
50) Toluene-d8	10.34	98	172187	38.94	ug/l	0.00
Spiked Amount			Recovery	=	77.88%	
62) 4-Bromofluorobenzene	12.64	95	54446	36.30	ug/l	0.00
Spiked Amount			Recovery	=	72.60%	

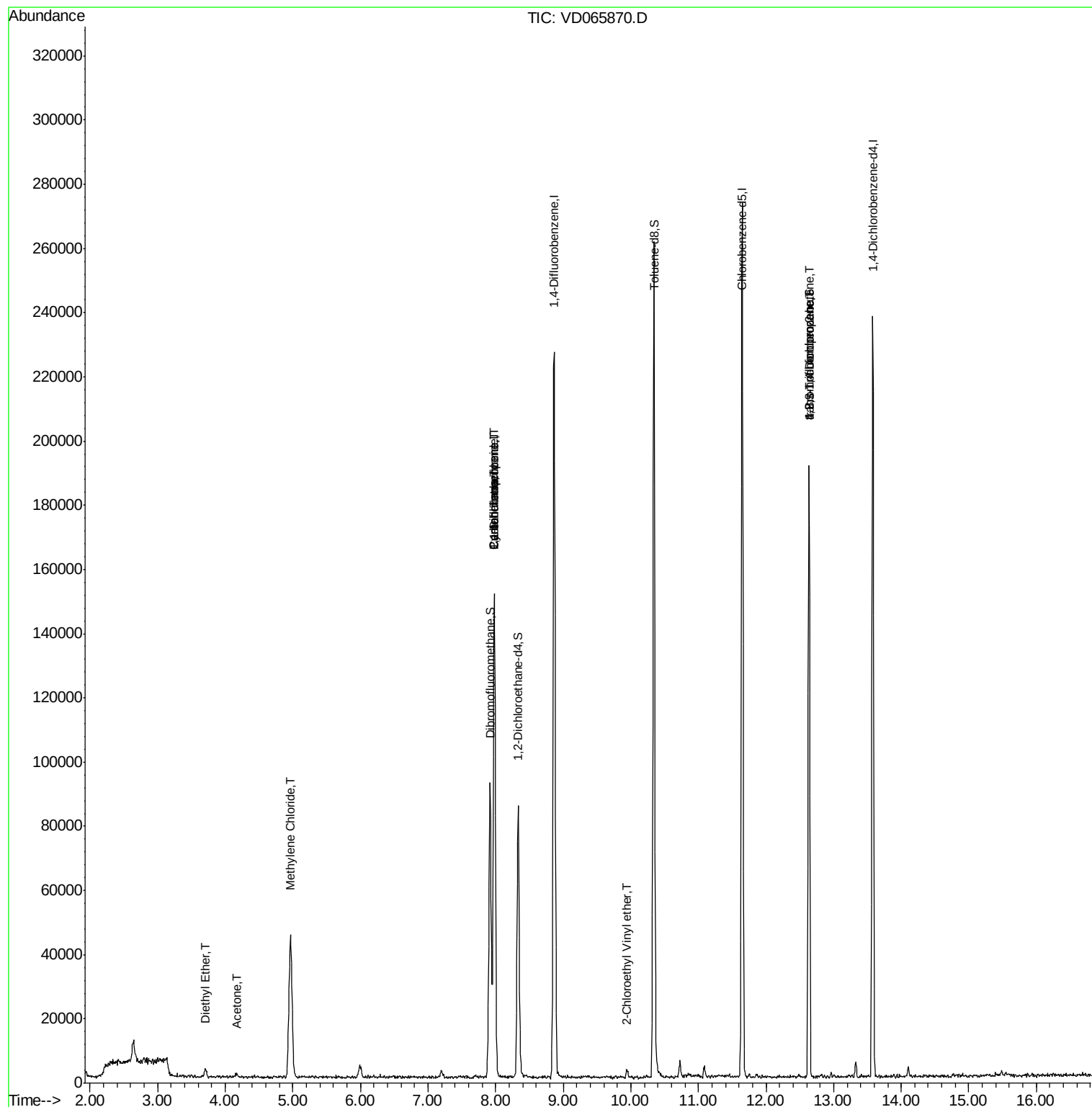
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	249	Below Cal	#	43
8) Diethyl Ether	3.70	74	997	2.168	ug/l	58
11) Tert butyl alcohol	5.17	59	59	Below Cal	#	74
16) Acetone	4.17	43	1695	8.690	ug/l	96
18) Methyl Acetate	4.71	43	55	Below Cal	#	52
20) Methylene Chloride	4.96	84	32305	29.348	ug/l	99
31) Cyclohexane	7.98	56	2965	1.599	ug/l #	31
36) 1,1-Dichloropropene	7.98	75	9870	5.488	ug/l #	49
38) Carbon Tetrachloride	7.98	117	10989	5.806	ug/l #	22
58) 2-Chloroethyl Vinyl ether	9.94	63	1146	2.341	ug/l	91
76) 1,2,3-Trichloropropane	12.64	75	30808	68.349	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	30808	147.676	ug/l #	9

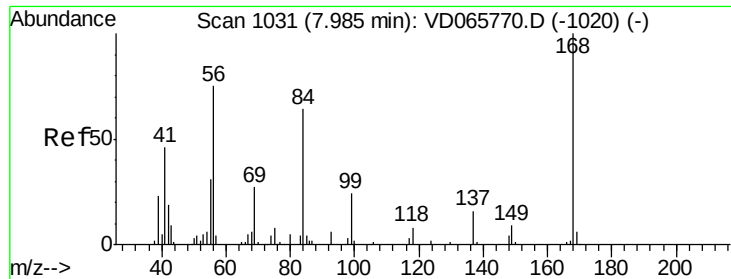
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065870.D

Acq: 23 Jun 2020 19:46

Instrument :

MSVOA_D

ClientSampleId :

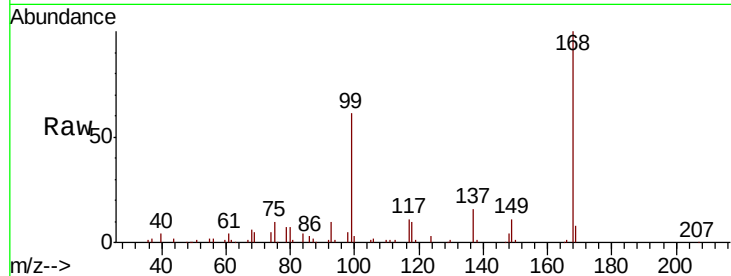
SB-13

Tot Ion:168 Resp: 104647

Ion Ratio Lower Upper

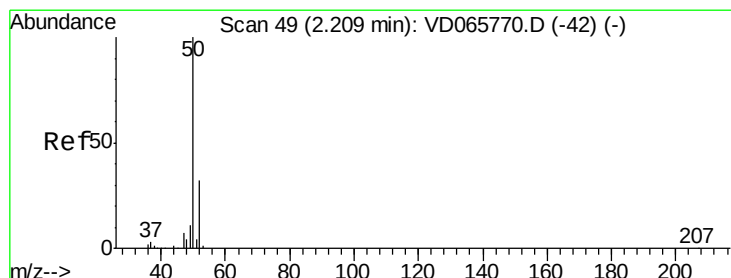
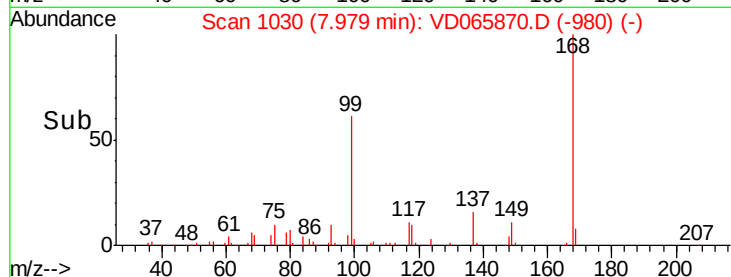
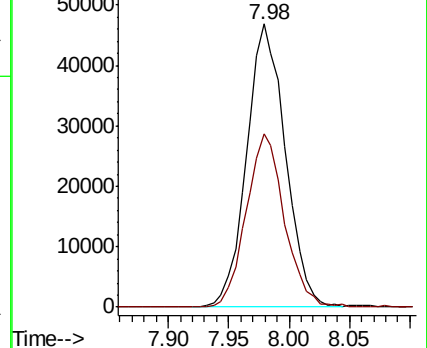
168 100

99 61.2 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: VD065870.D

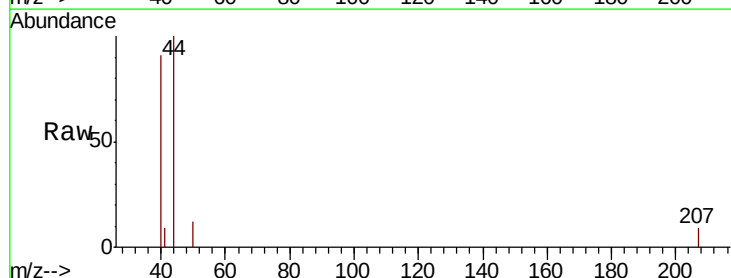
Acq: 23 Jun 2020 19:46

Tgt Ion: 50 Resp: 249

Ion Ratio Lower Upper

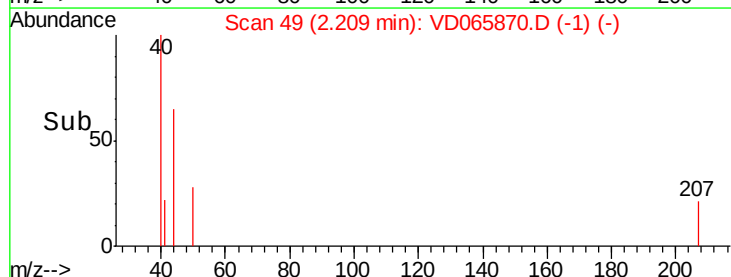
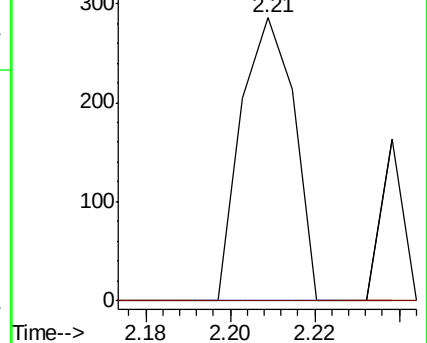
50 100

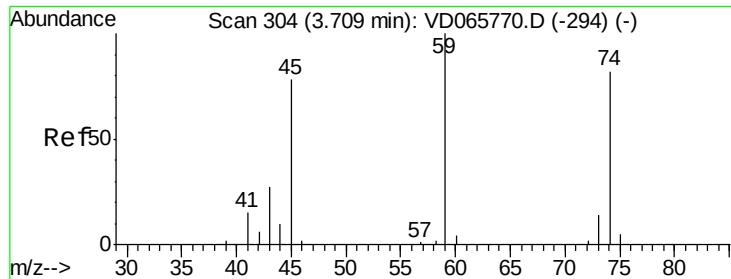
52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#8

Diethyl Ether

Concen: 2.168 ug/l

RT: 3.70 min Scan# 302

Delta R.T. -0.01 min

Lab File: VD065870.D

Acq: 23 Jun 2020 19:46

Instrument :

MSVOA_D

ClientSampleId :

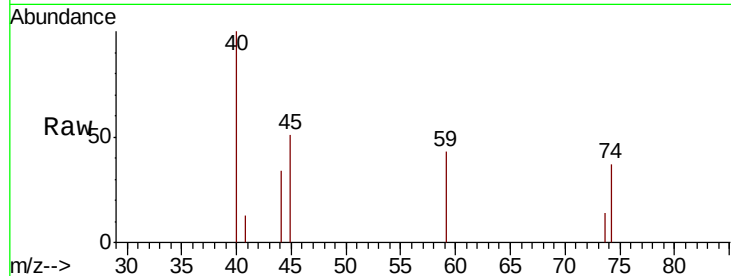
SB-13

Tot Ion: 74 Resp: 997

Ion Ratio Lower Upper

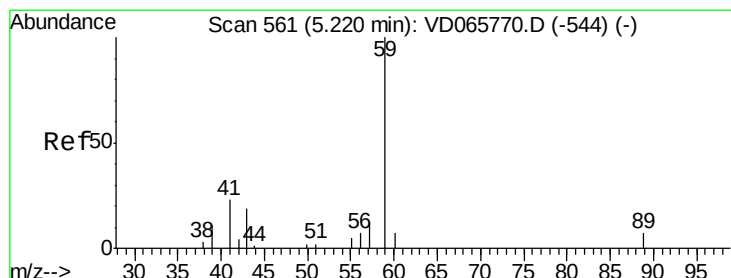
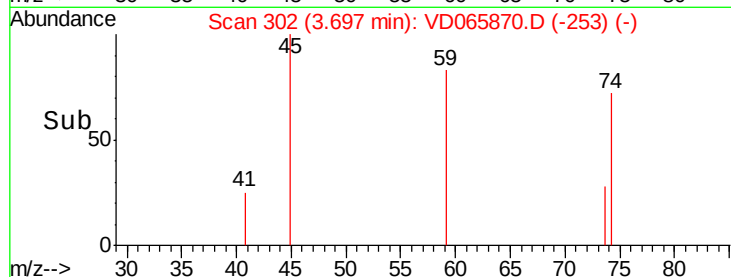
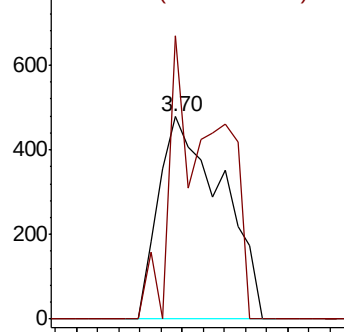
74 100

45 55.2 47.9 143.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 553

Delta R.T. -0.05 min

Lab File: VD065870.D

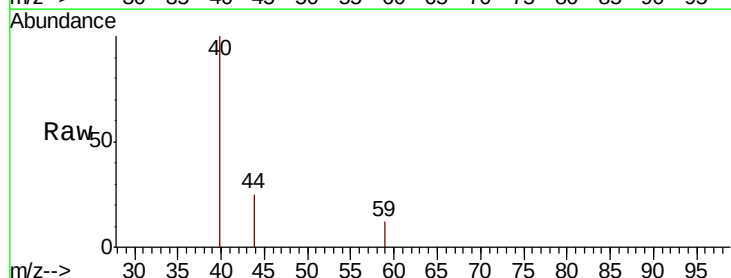
Acq: 23 Jun 2020 19:46

Tgt Ion: 59 Resp: 59

Ion Ratio Lower Upper

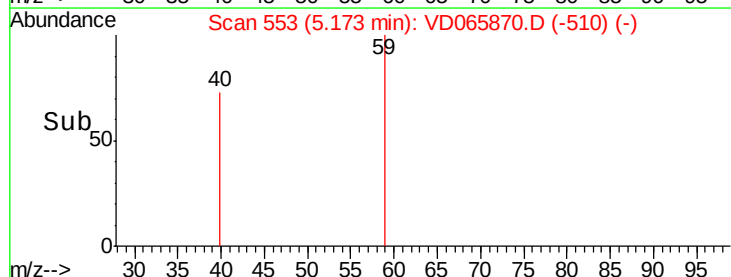
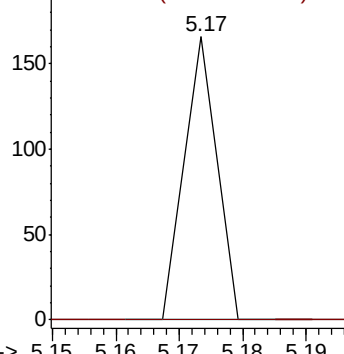
59 100

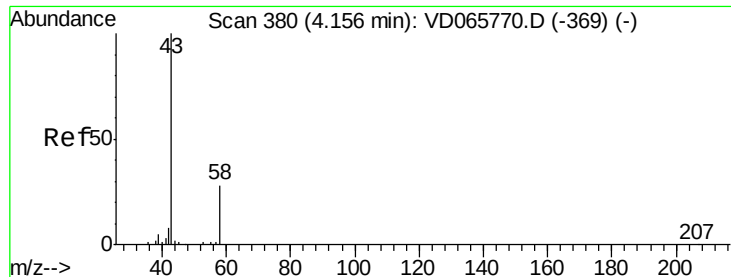
57 0.0 7.5 11.3#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 8.690 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065870.D

Acq: 23 Jun 2020 19:46

Instrument :

MSVOA_D

ClientSampleId :

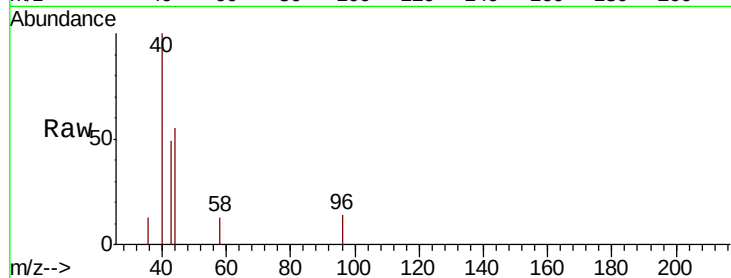
SB-13

Tot Ion: 43 Resp: 1695

Ion Ratio Lower Upper

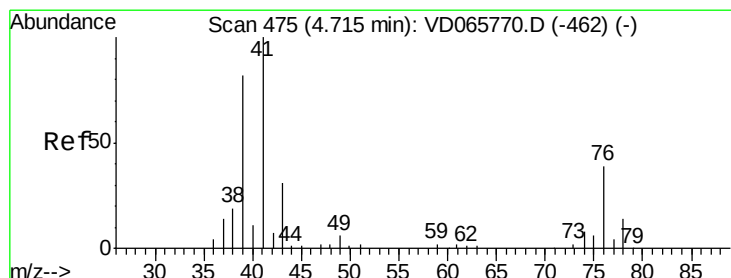
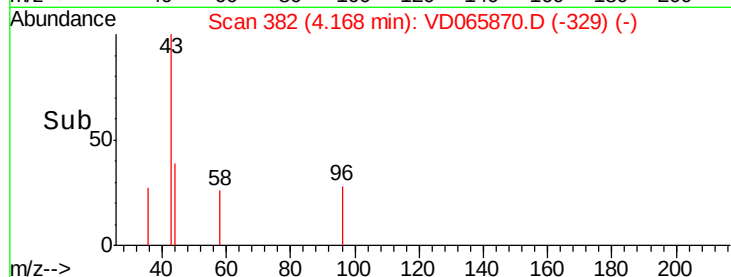
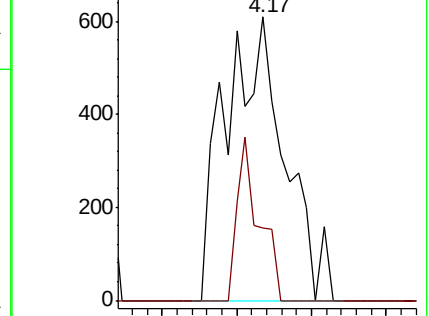
43 100

58 25.7 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065870.D

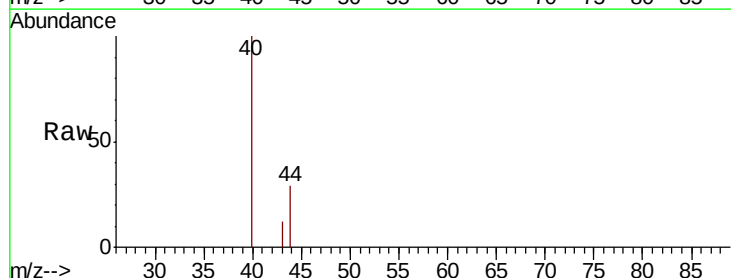
Acq: 23 Jun 2020 19:46

Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

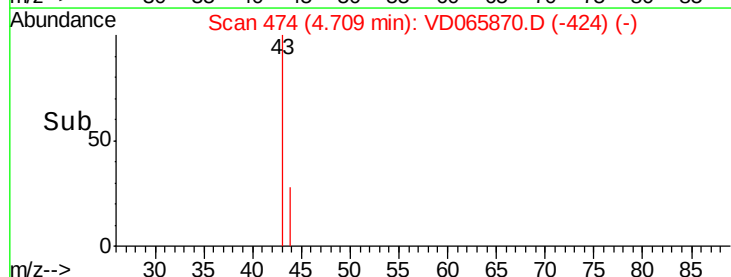
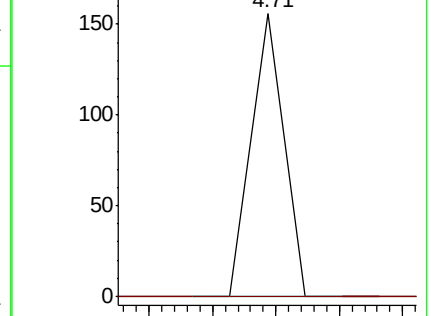
43 100

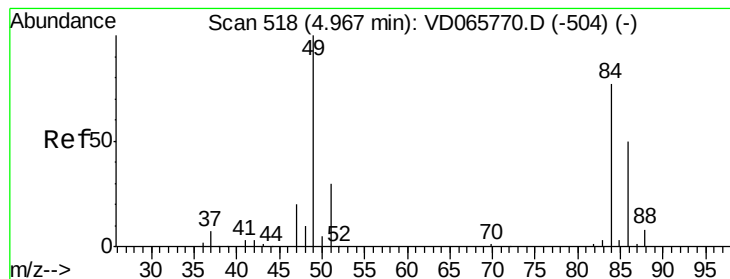
74 0.0 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methvlene Chloride

Concen: 29.348 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065870.D

Acq: 23 Jun 2020 19:46

Instrument :

MSVOA_D

ClientSampleId :

SB-13

Tot Ion: 84 Resp: 32305

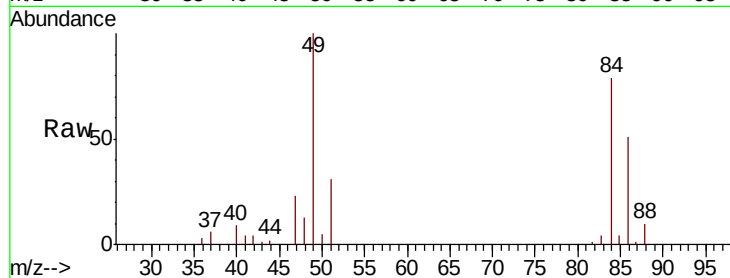
Ion Ratio Lower Upper

84 100

49 127.3 103.4 155.0

51 39.7 31.4 47.2

86 65.1 51.7 77.5



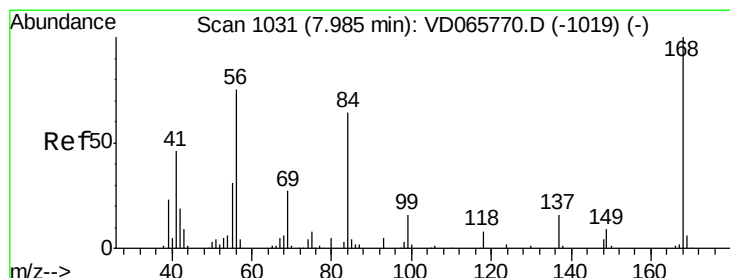
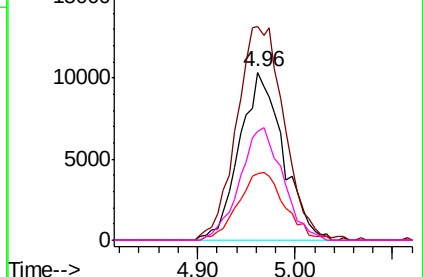
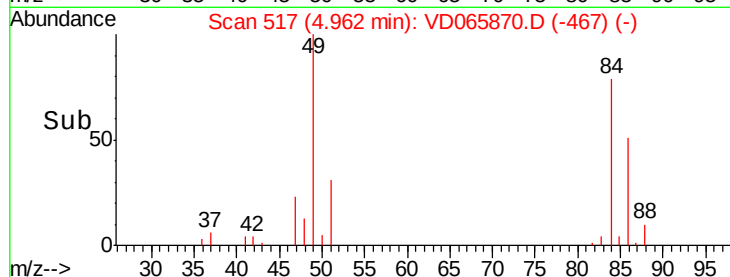
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

Time-->



#31

Cyclohexane

Concen: 1.599 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065870.D

Acq: 23 Jun 2020 19:46

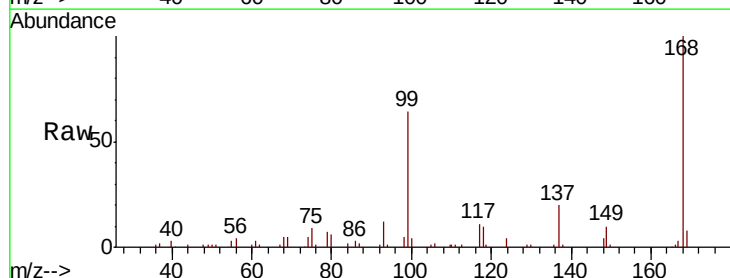
Tgt Ion: 56 Resp: 2965

Ion Ratio Lower Upper

56 100

69 142.0 28.5 42.7#

84 64.7 68.4 102.6#

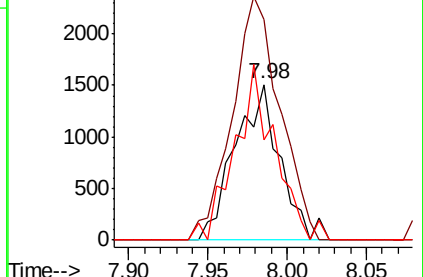
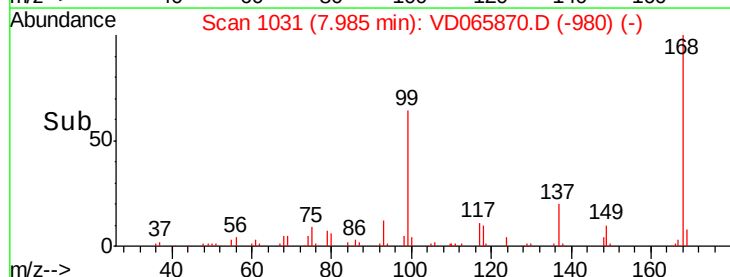


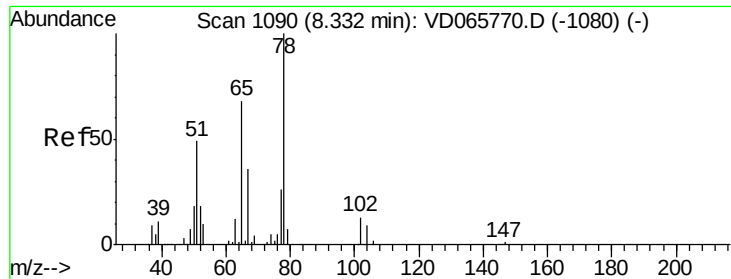
Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

Time-->

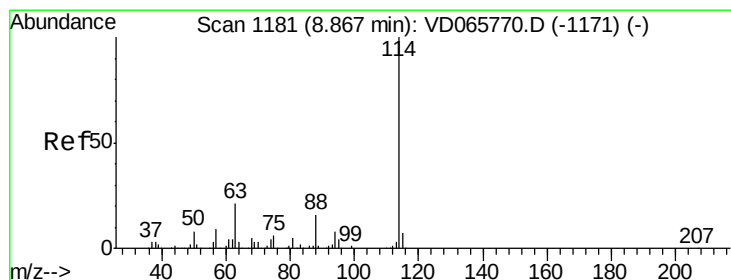
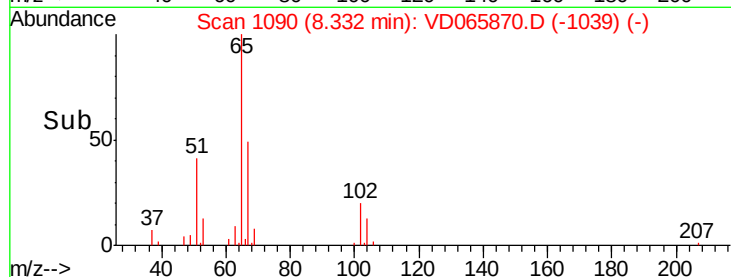
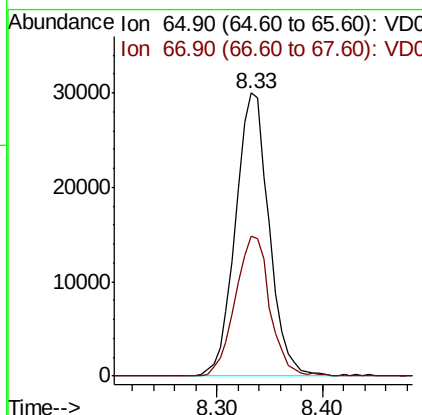
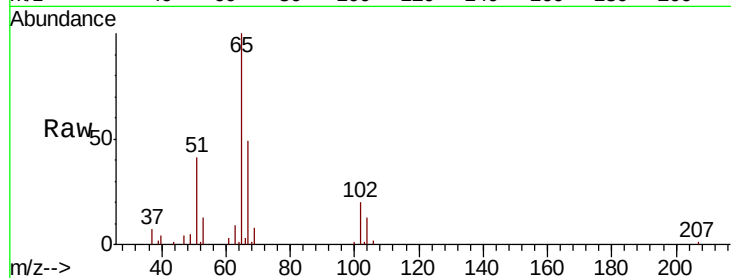




#33
 1,2-Dichloroethane-d4
 Concen: 63.779 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065870.D
 Acq: 23 Jun 2020 19:46

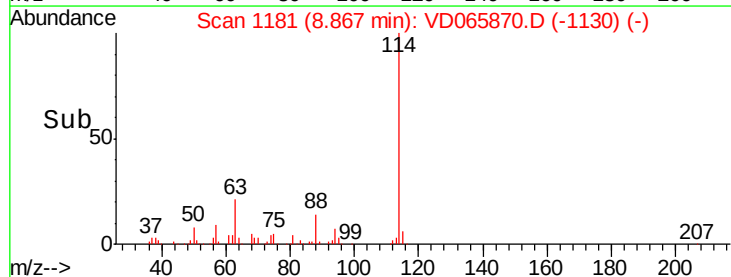
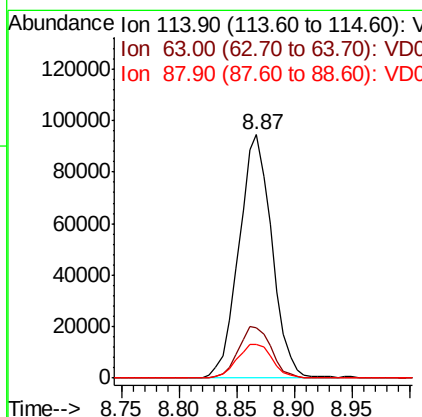
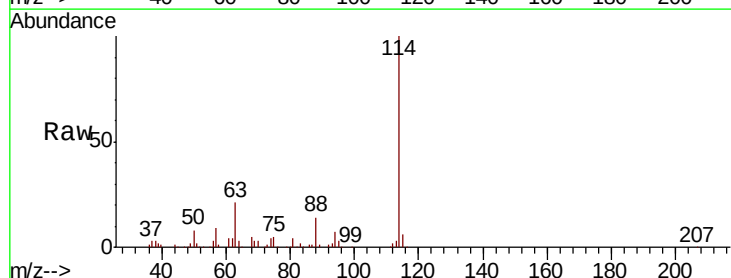
Instrument :
 MSVOA_D
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 SB-13

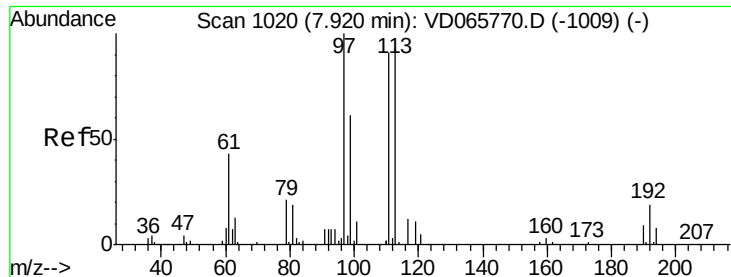
Tot Ion: 65 Resp: 65951
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065870.D
 Acq: 23 Jun 2020 19:46

Tgt Ion: 114 Resp: 187745
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.8
 88 13.7 0.0 32.0

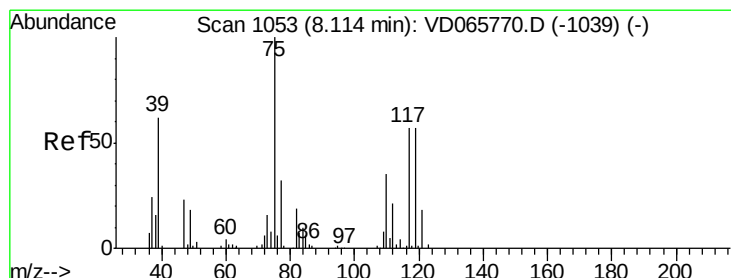
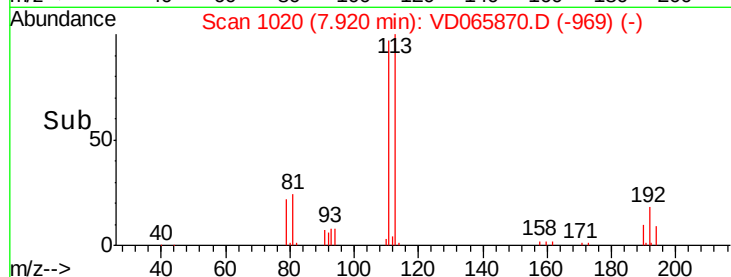
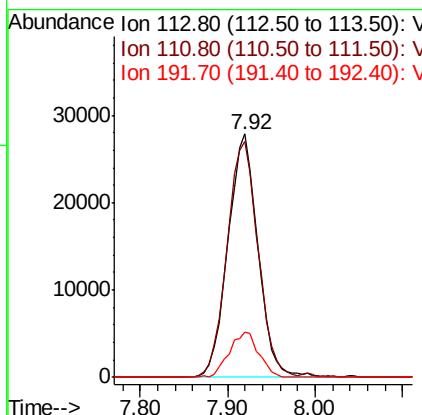
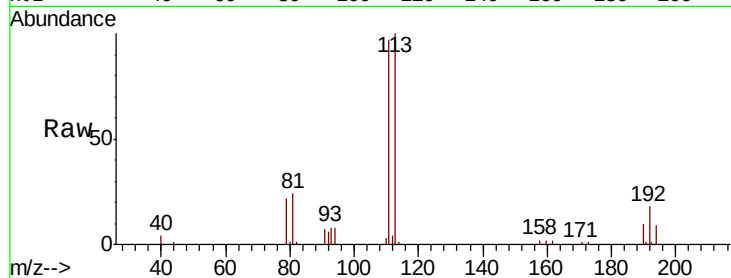




#35
 Dibromofluoromethane
 Concen: 54.764 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065870.D
 Acq: 23 Jun 2020 19:46

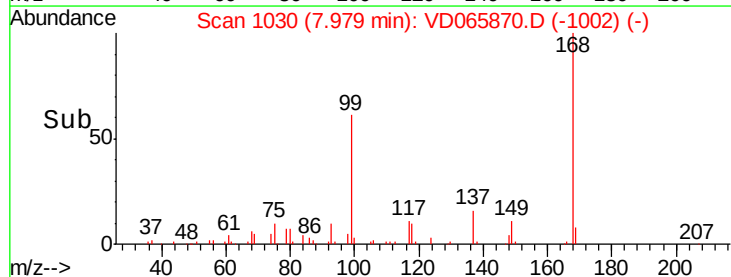
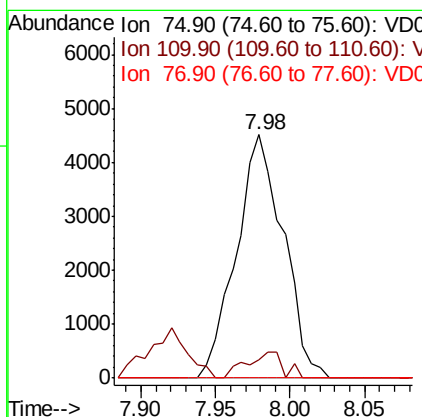
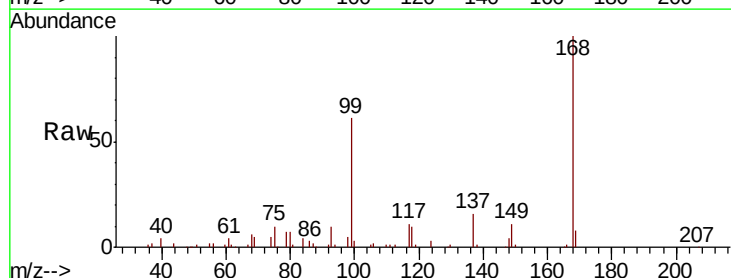
Instrument :
 MSVOA_D
 ClientSampled :
 SB-13

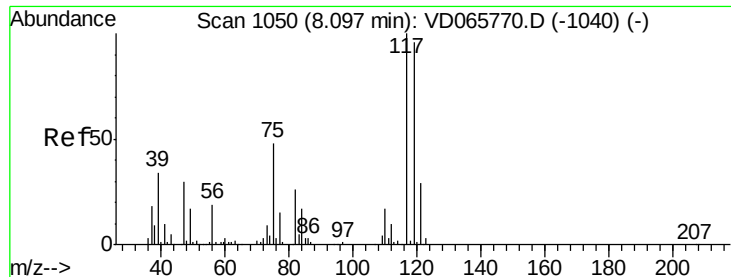
Tot Ion:113 Resp: 64945
 Ion Ratio Lower Upper
 113 100
 111 99.9 83.4 125.0
 192 18.1 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 5.488 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065870.D
 Acq: 23 Jun 2020 19:46

Tgt Ion: 75 Resp: 9870
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.6 52.8#
 77 0.0 25.1 37.7#

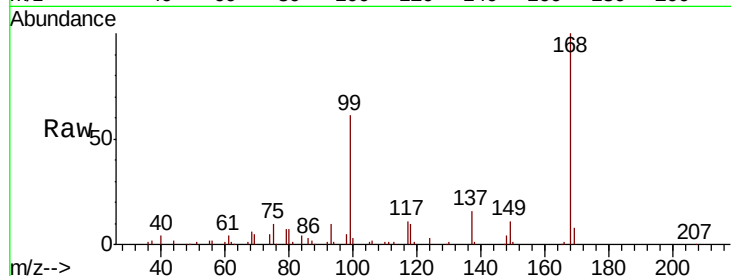




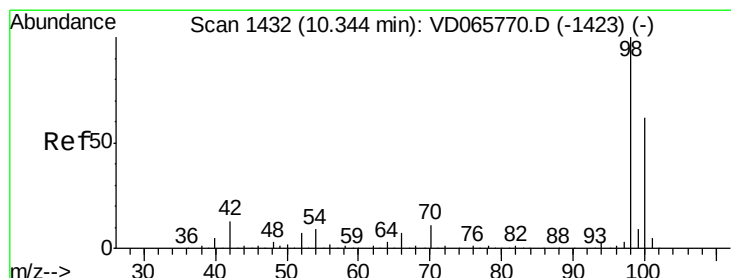
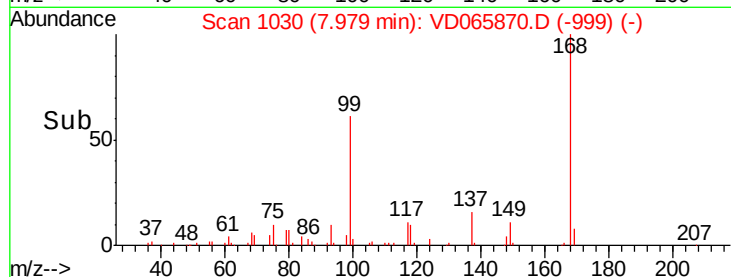
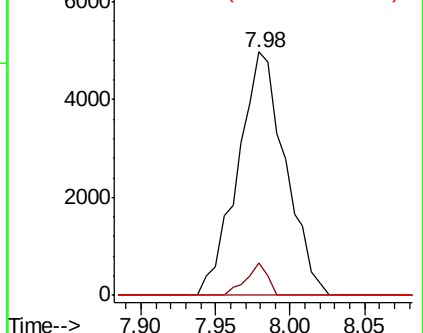
#38
Carbon Tetrachloride
Concen: 5.806 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065870.D
Acq: 23 Jun 2020 19:46

Instrument :
MSVOA_D
ClientSampled :
SB-13

Tot Ion:117 Resp: 10989
Ion Ratio Lower Upper
117 100
119 13.2 76.8 115.2#
121 0.0 23.4 35.2#

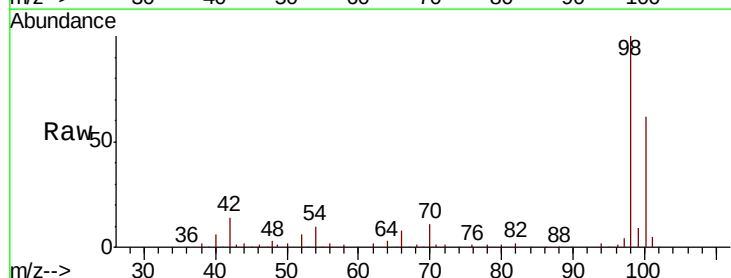


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

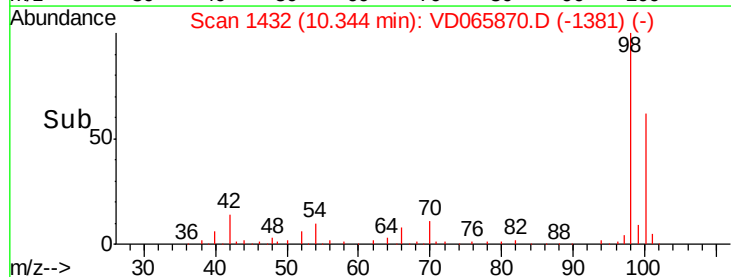
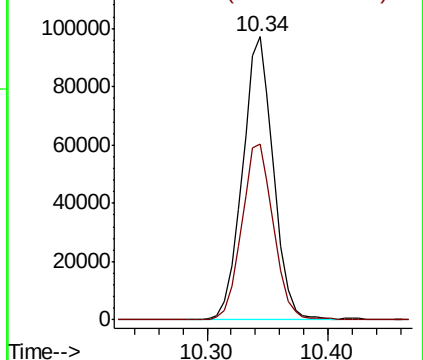


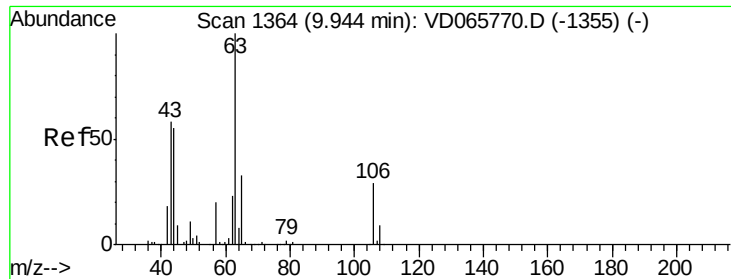
#50
Toluene-d8
Concen: 38.938 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065870.D
Acq: 23 Jun 2020 19:46

Tgt Ion: 98 Resp: 172187
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD

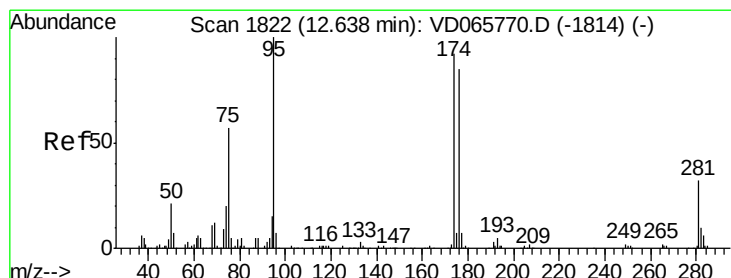
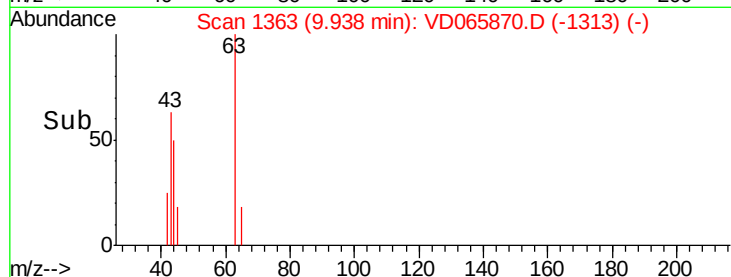
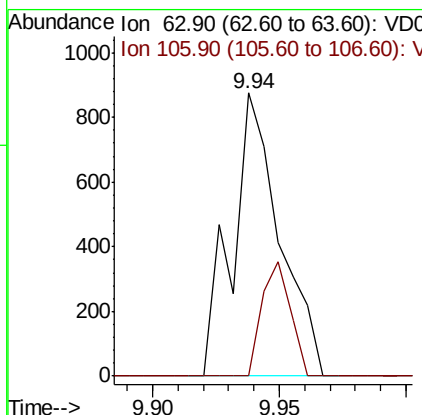
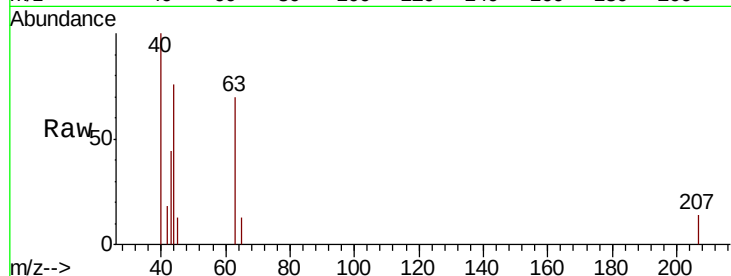




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.341 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VD065870.D
 Acq: 23 Jun 2020 19:46

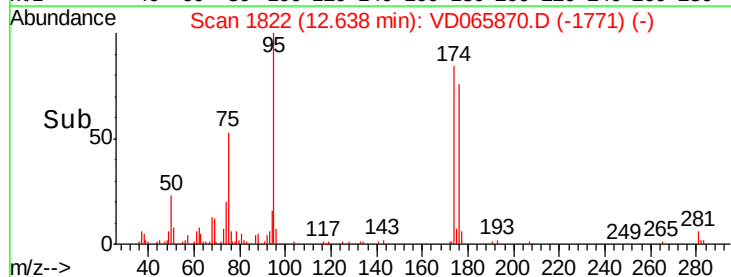
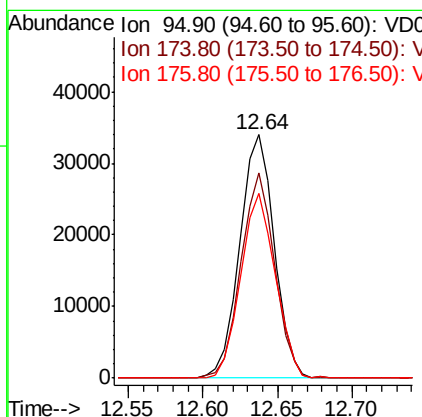
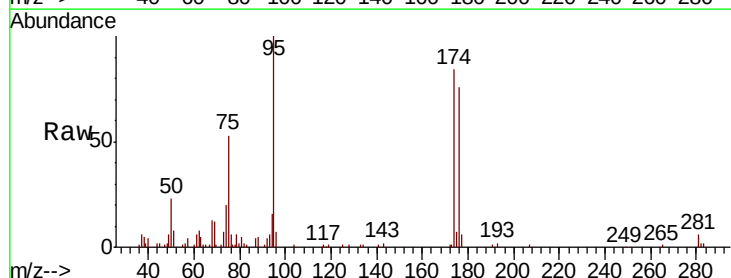
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13

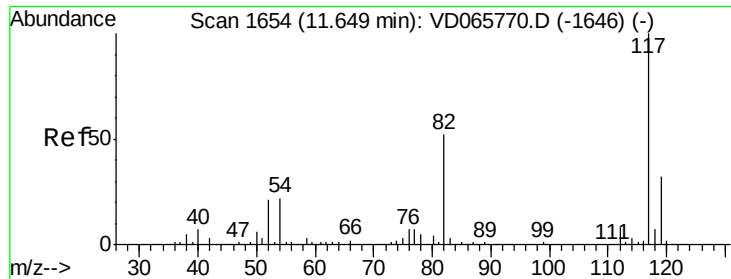
Tot Ion: 63 Resp: 1146
 Ion Ratio Lower Upper
 63 100
 106 24.2 23.2 34.8



#62
 4-Bromofluorobenzene
 Concen: 36.305 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065870.D
 Acq: 23 Jun 2020 19:46

Tgt Ion: 95 Resp: 54446
 Ion Ratio Lower Upper
 95 100
 174 82.2 0.0 175.2
 176 76.2 0.0 163.0

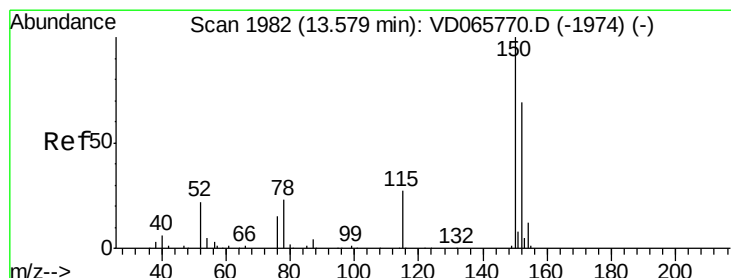
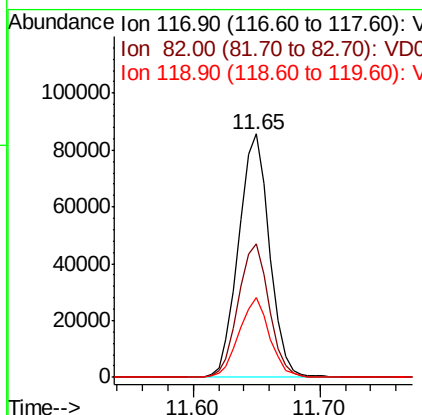
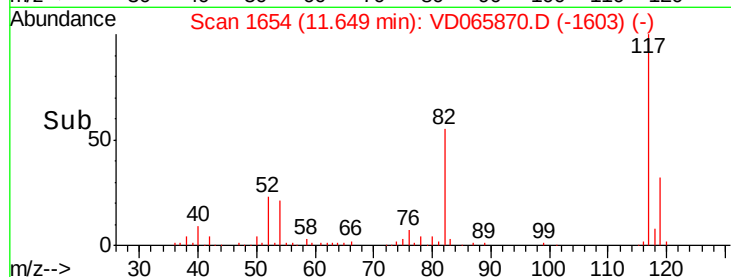
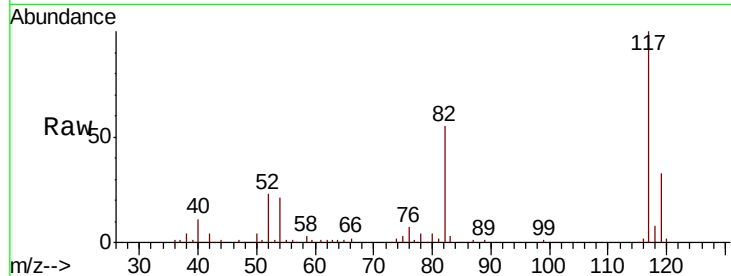




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065870.D
Acq: 23 Jun 2020 19:46

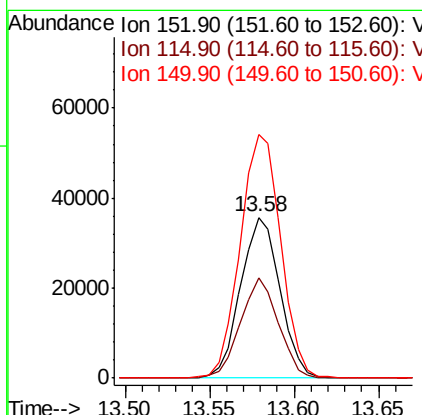
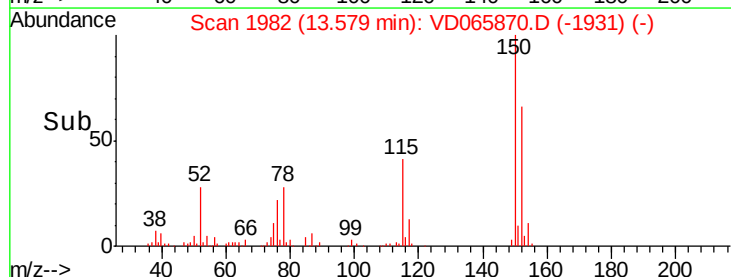
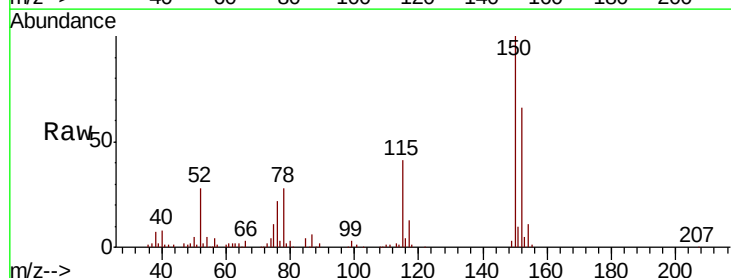
Instrument :
MSVOA_D
ClientSampleId :
SB-13

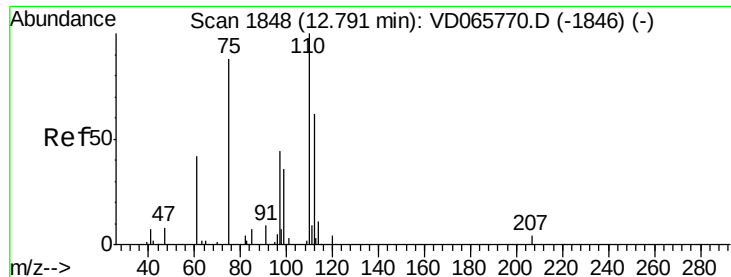
Tot Ion:117 Resp: 145024
Ion Ratio Lower Upper
117 100
82 54.7 41.9 62.9
119 32.6 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065870.D
Acq: 23 Jun 2020 19:46

Tgt Ion:152 Resp: 57958
Ion Ratio Lower Upper
152 100
115 60.0 28.7 86.1
150 156.0 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 68.349 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065870.D

Acq: 23 Jun 2020 19:46

Instrument :

MSVOA_D

ClientSampled :

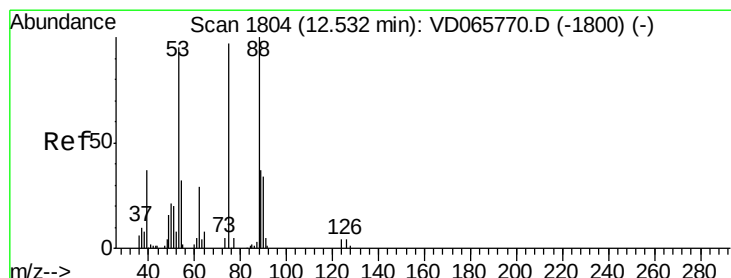
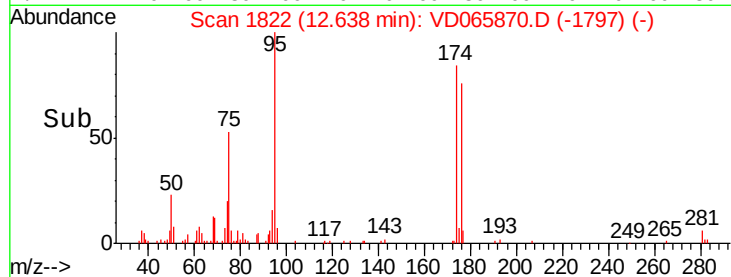
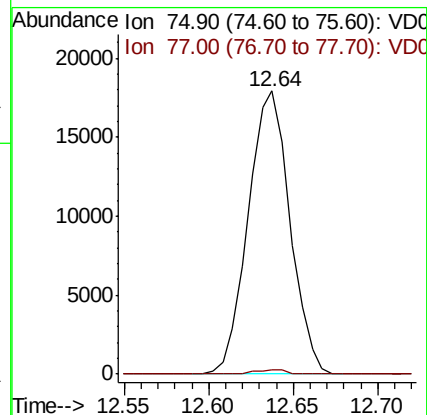
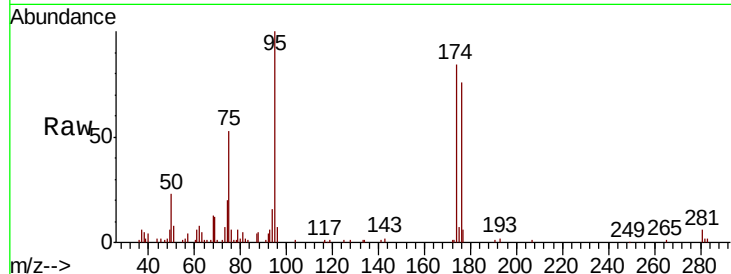
SB-13

Tot Ion: 75 Resp: 30808

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.676 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065870.D

Acq: 23 Jun 2020 19:46

Tgt Ion: 75 Resp: 30808

Ion Ratio Lower Upper

75 100

53 0.0 82.6 123.8#

89 0.0 35.9 53.9#

