

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092820\
 Data File : VD066923.D
 Acq On : 28 Sep 2020 19:45
 Operator : VA/SY
 Sample : L4172-04
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-6(11-13)

Quant Time: Sep 29 00:59:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	390990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	695835	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	714720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	336310	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	205189	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
35) Dibromofluoromethane	7.91	113	218103	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	10.34	98	841646	55.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.60%	
62) 4-Bromofluorobenzene	12.63	95	308674	59.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.56%	

Target Compounds

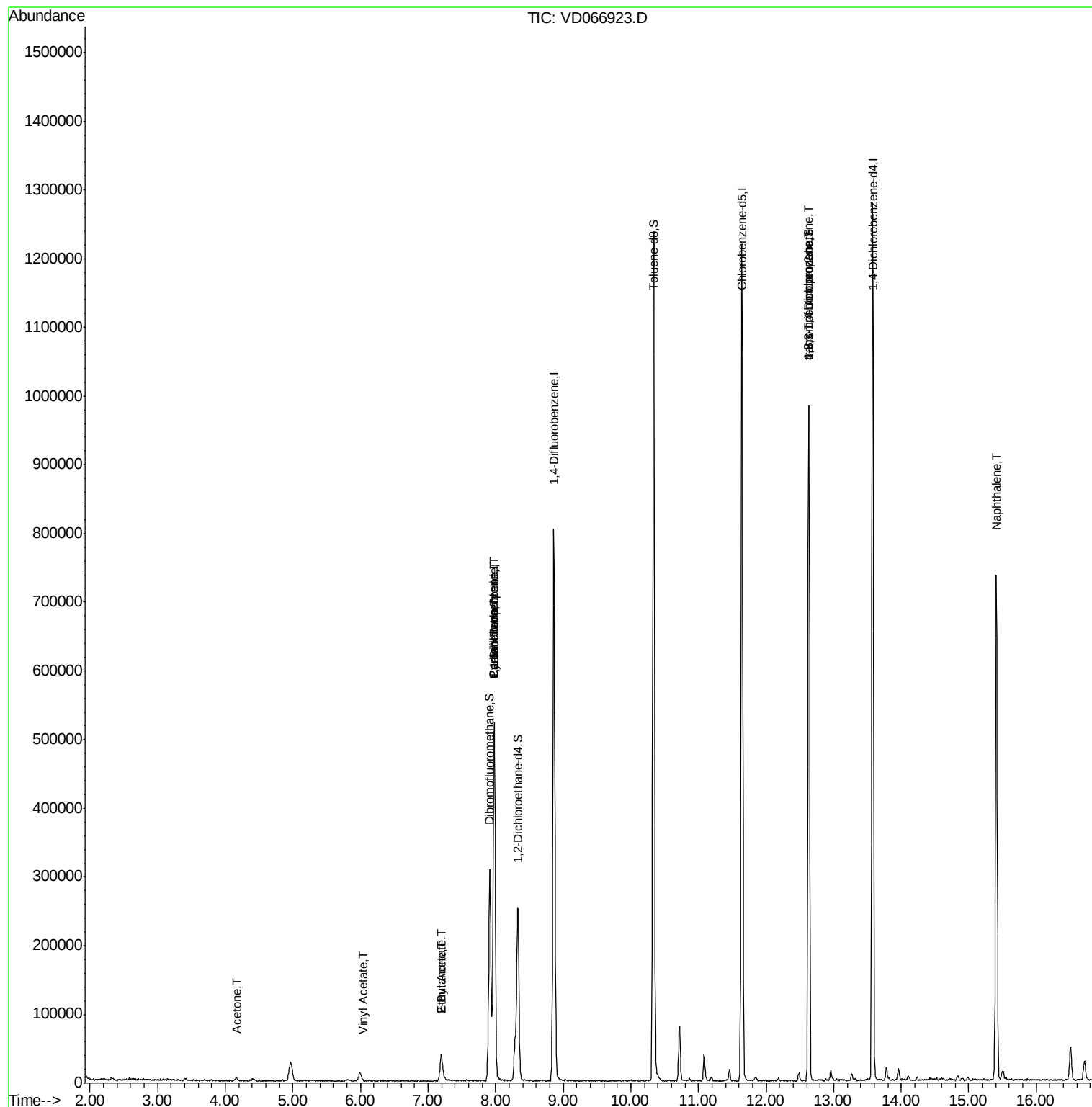
						Qvalue
2) Dichlorodifluoromethane	1.99	85	400	Below Cal	#	46
11) Tert butyl alcohol	5.21	59	575	Below Cal	#	72
16) Acetone	4.17	43	6833	8.417	ug/l #	66
18) Methyl Acetate	4.75	43	56	Below Cal	#	50
20) Methylene Chloride	4.97	84	22080	Below Cal	#	95
23) Vinyl Acetate	6.04	43	158	2.697	ug/l #	71
25) 2-Butanone	7.21	43	4283	4.390	ug/l #	87
31) Cyclohexane	7.98	56	8782	1.262	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	30274	4.385	ug/l #	49
37) Ethyl Acetate	7.21	43	4283	1.716	ug/l #	15
38) Carbon Tetrachloride	7.98	117	41677	5.522	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	161101	57.803	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	161101	144.618	ug/l #	10
95) Naphthalene	15.41	128	634565	61.821	ug/l	99

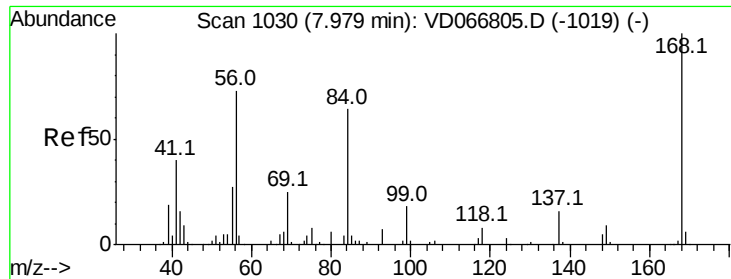
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066923.D

Acq: 28 Sep 2020 19:45

Instrument :

MSVOA_D

ClientSampleId :

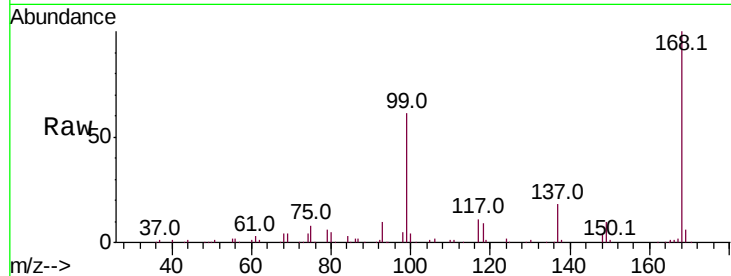
B-6(11-13)

Tot Ion:168 Resp: 390990

Ion Ratio Lower Upper

168 100

99 60.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

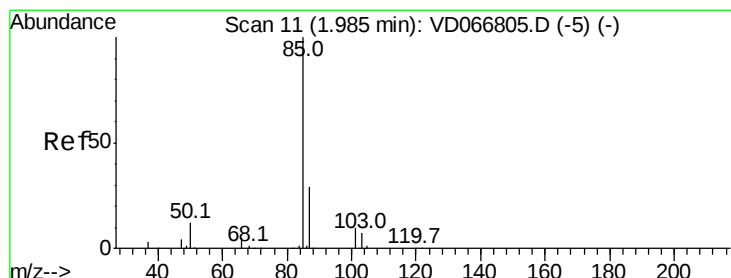
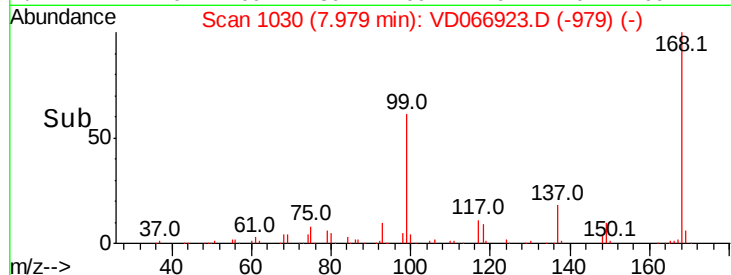
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066923.D

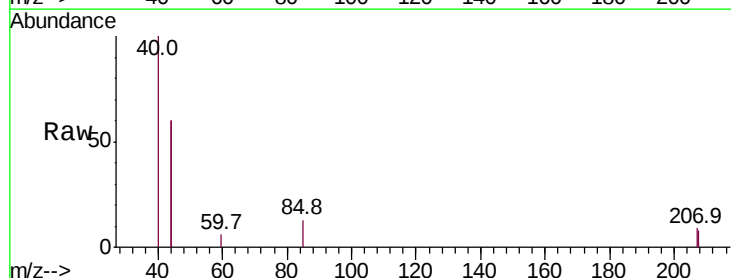
Acq: 28 Sep 2020 19:45

Tgt Ion: 85 Resp: 400

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

400

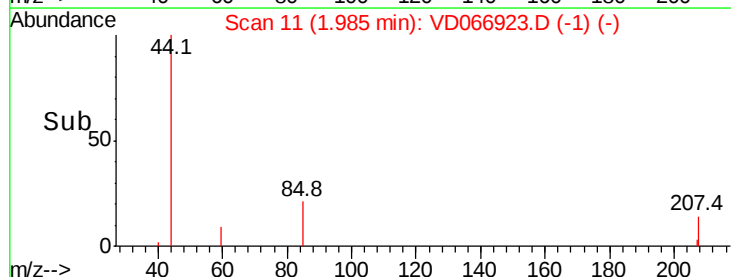
300

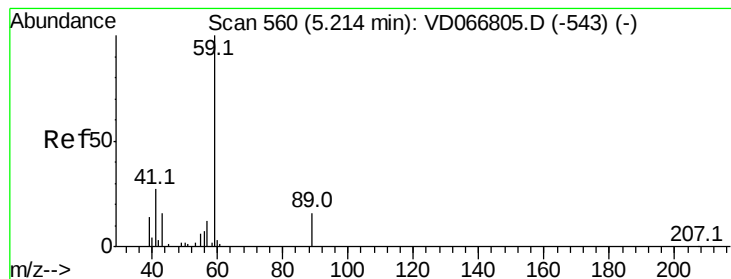
200

100

0

Time-->



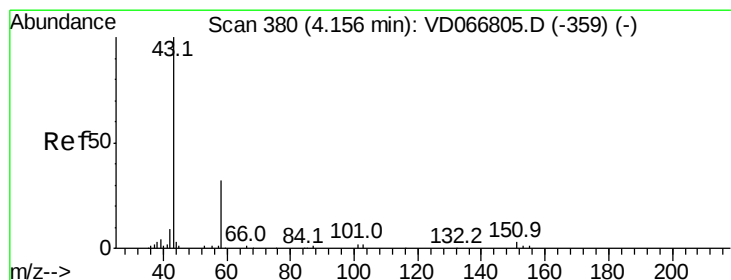
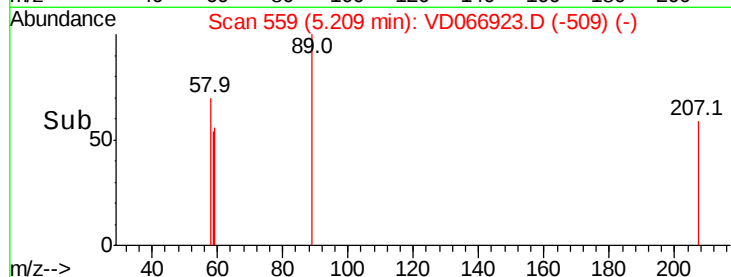
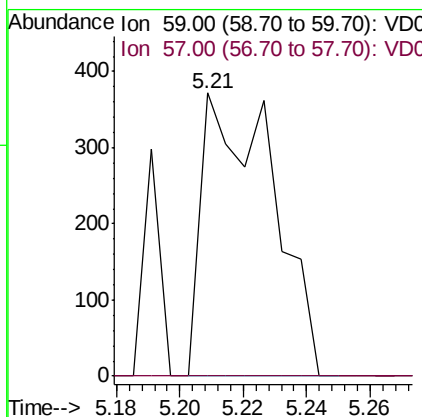
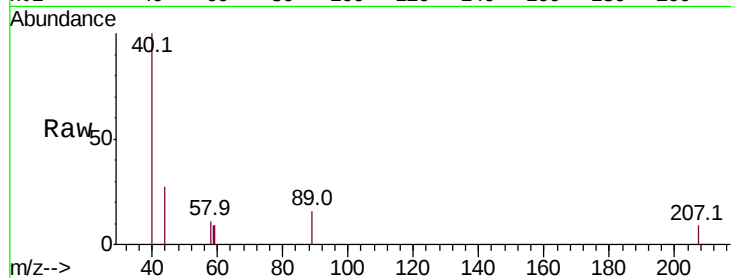


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066923.D
 Acq: 28 Sep 2020 19:45

Instrument :
 MSVOA_D
 ClientSampleId :
 B-6(11-13)

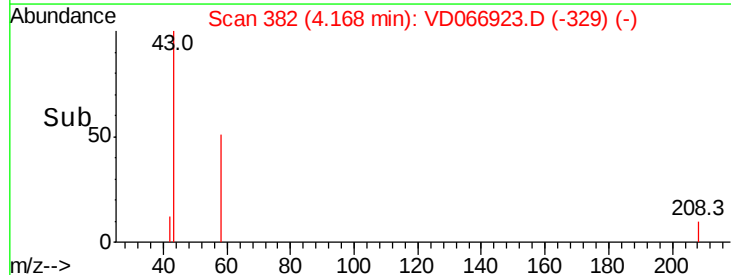
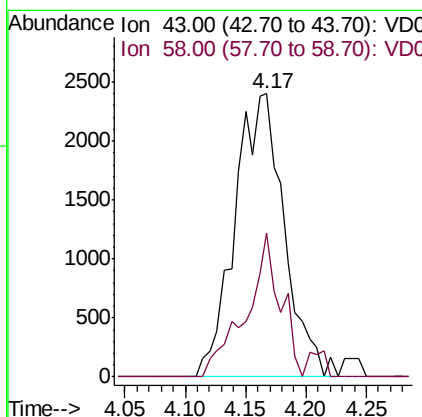
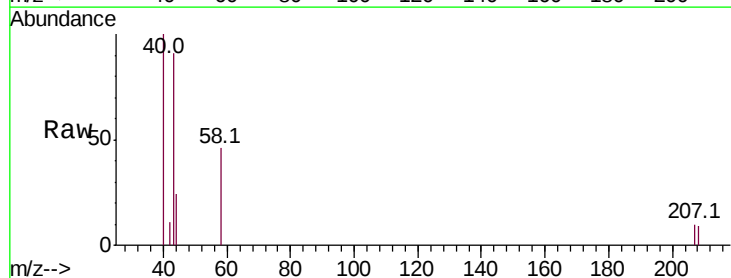
Tot Ion: 59 Resp: 575
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

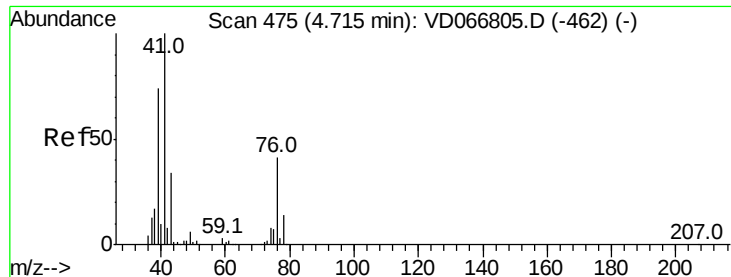


#16

Acetone
 Concen: 8.417 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD066923.D
 Acq: 28 Sep 2020 19:45

Tgt Ion: 43 Resp: 6833
 Ion Ratio Lower Upper
 43 100
 58 50.7 25.6 38.4#

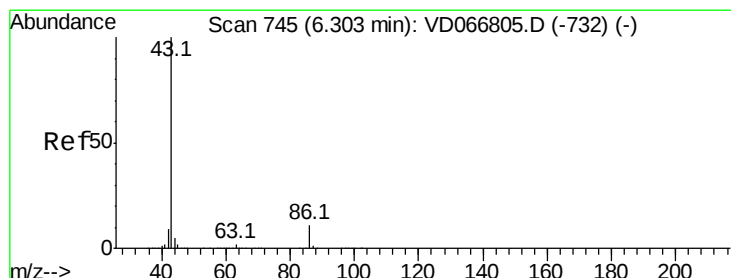
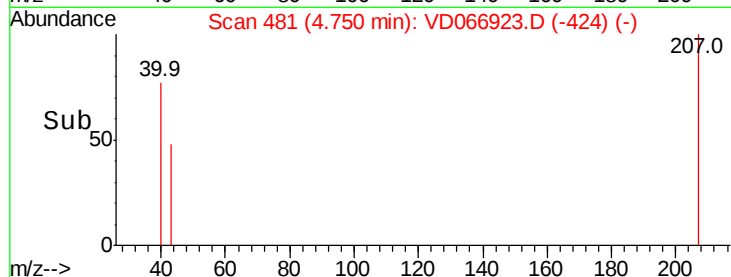
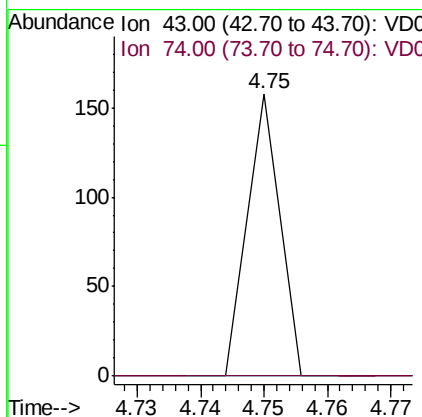
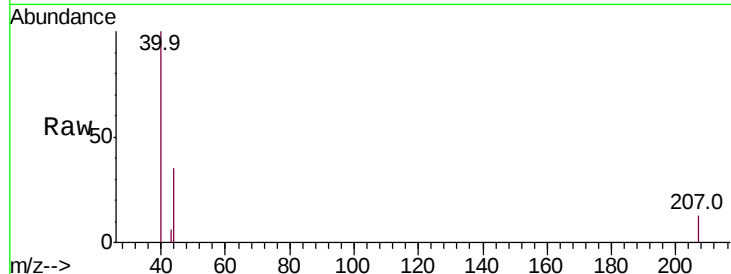




#18
Methyl Acetate
Concen: Below Cal
RT: 4.75 min Scan# 481
Delta R.T. 0.04 min
Lab File: VD066923.D
Acq: 28 Sep 2020 19:45

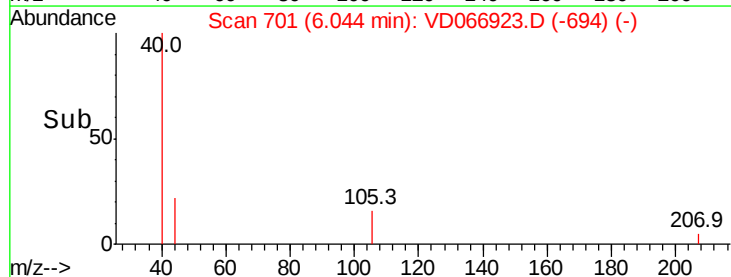
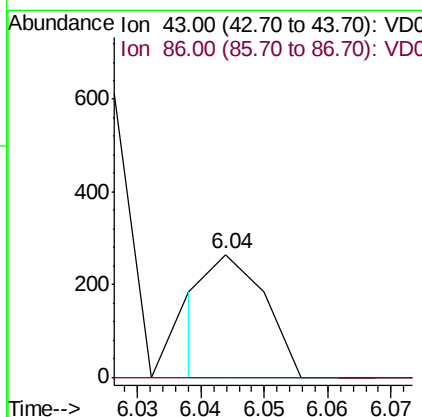
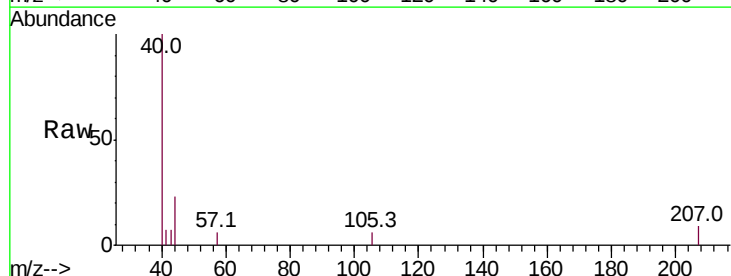
Instrument :
MSVOA_D
ClientSampleId :
B-6(11-13)

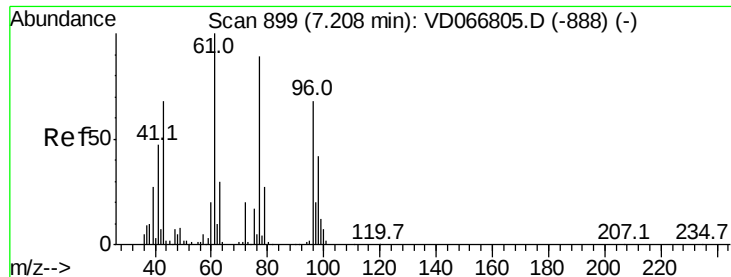
Tot Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#23
Vinyl Acetate
Concen: 2.697 ug/l
RT: 6.04 min Scan# 701
Delta R.T. -0.26 min
Lab File: VD066923.D
Acq: 28 Sep 2020 19:45

Tgt Ion: 43 Resp: 158
Ion Ratio Lower Upper
43 100
86 0.0 8.9 13.3#





#25

2-Butanone

Concen: 4.390 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066923.D

Acq: 28 Sep 2020 19:45

Instrument :

MSVOA_D

ClientSampleId :

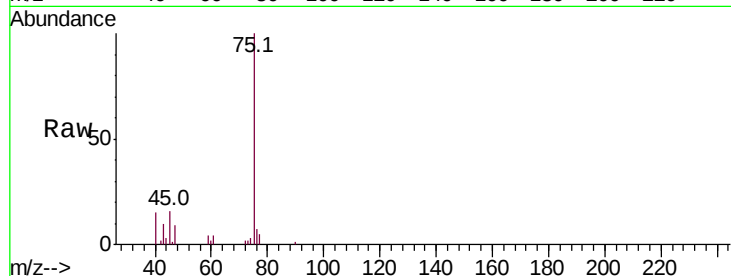
B-6(11-13)

Tot Ion: 43 Resp: 4283

Ion Ratio Lower Upper

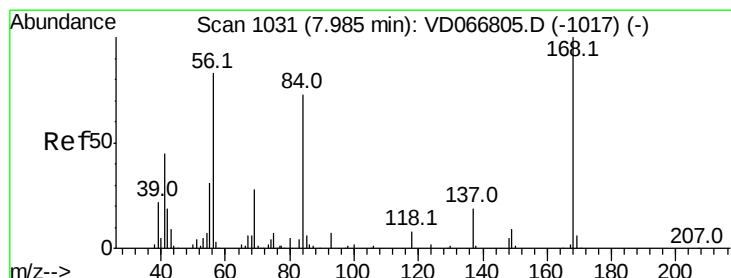
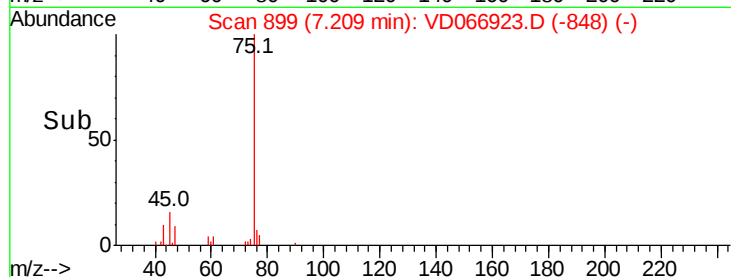
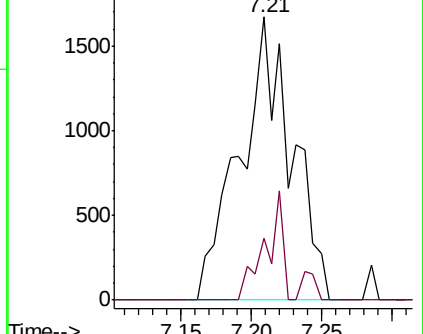
43 100

72 21.9 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.262 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066923.D

Acq: 28 Sep 2020 19:45

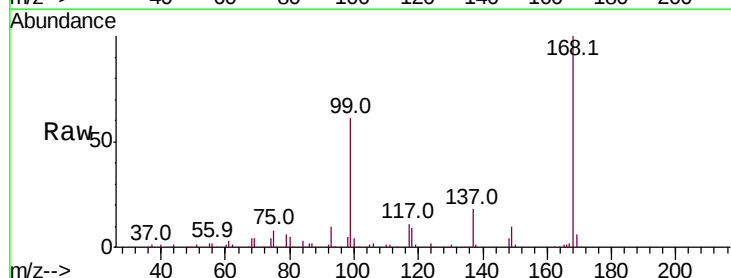
Tgt Ion: 56 Resp: 8782

Ion Ratio Lower Upper

56 100

69 188.3 27.0 40.4#

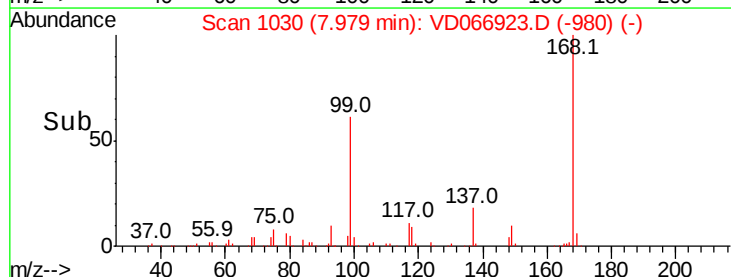
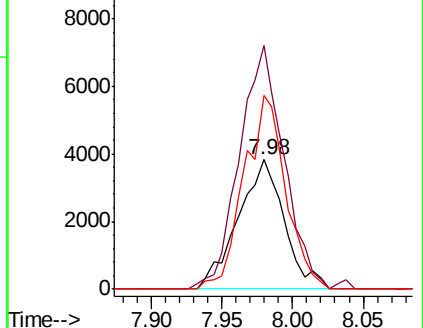
84 150.3 70.2 105.4#

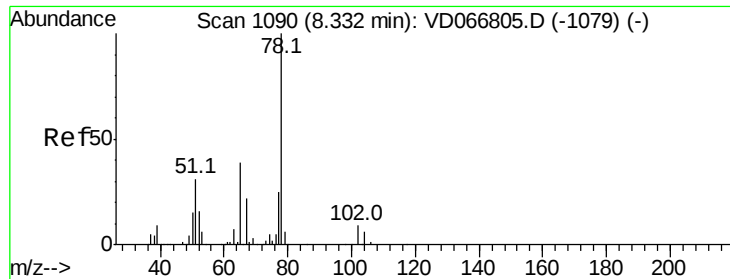


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.618 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

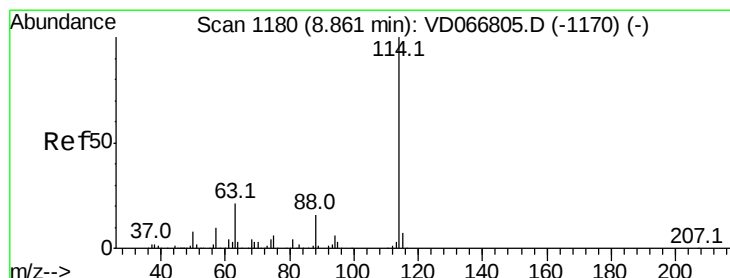
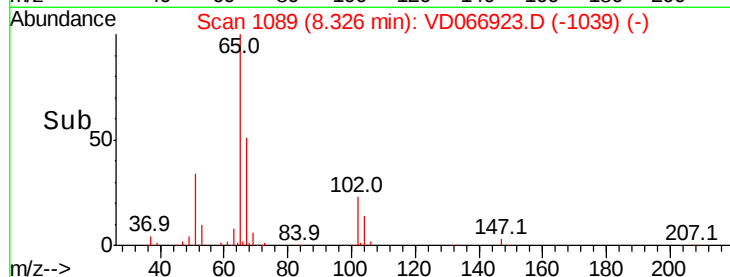
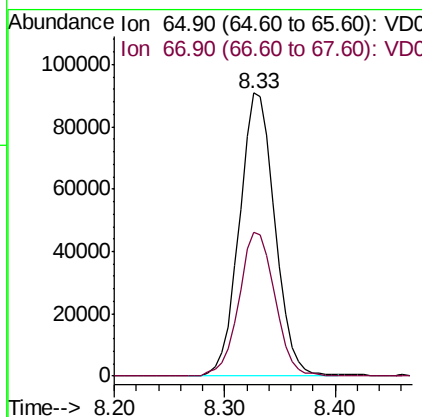
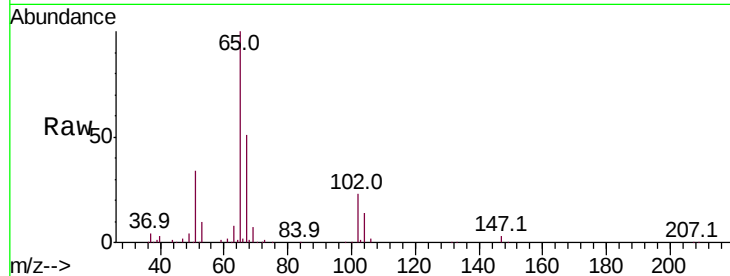
Lab File: VD066923.D

Acq: 28 Sep 2020 19:45

Instrument :
MSVOA_D
ClientSampled :
B-6(11-13)

Tot Ion: 65 Resp: 205189

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

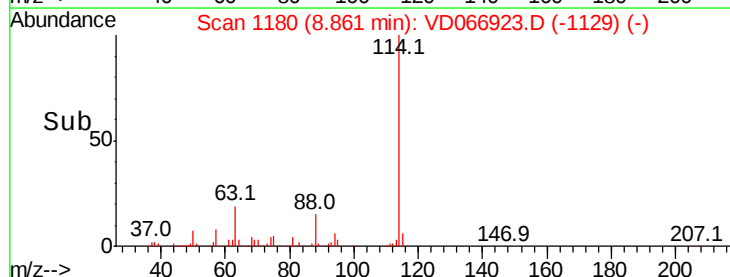
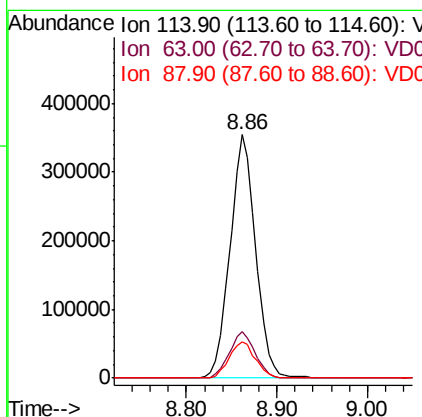
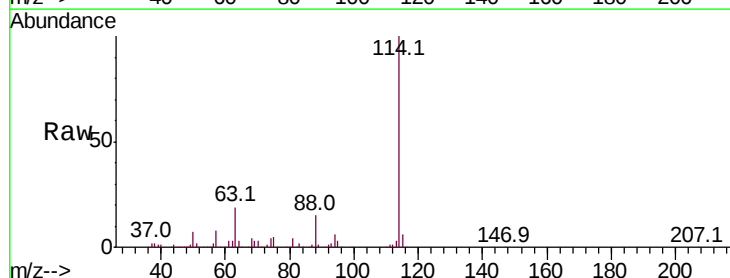
Delta R.T. 0.00 min

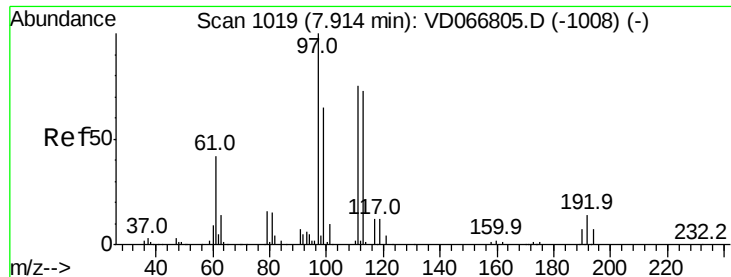
Lab File: VD066923.D

Acq: 28 Sep 2020 19:45

Tgt Ion: 114 Resp: 695835

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	42.6
88	15.0	0.0	32.6





#35

Dibromofluoromethane

Concen: 49.268 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066923.D

Acq: 28 Sep 2020 19:45

Instrument :

MSVOA_D

ClientSampleId :

B-6(11-13)

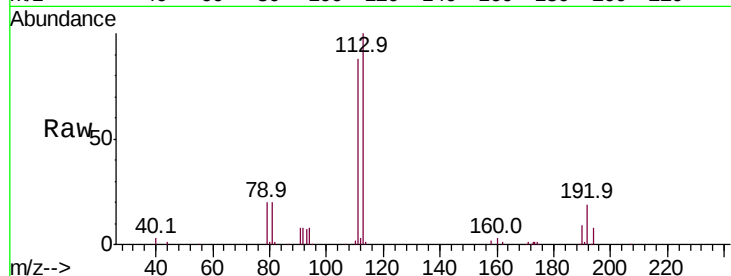
Tot Ion:113 Resp: 218103

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.8

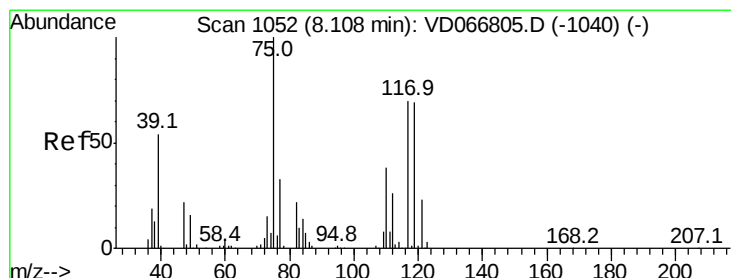
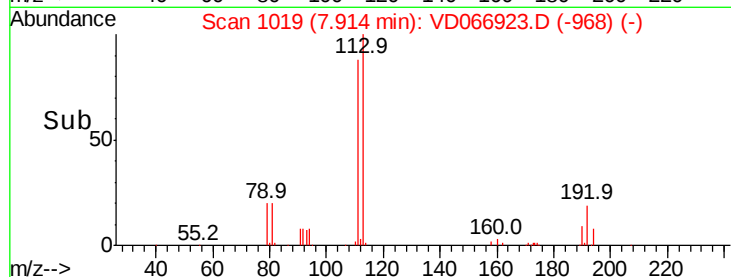
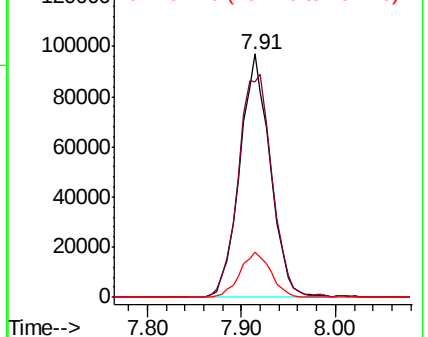
192 18.8 14.4 21.6



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: 4.385 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066923.D

Acq: 28 Sep 2020 19:45

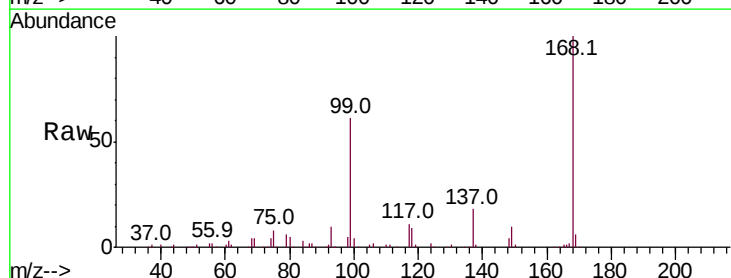
Tgt Ion: 75 Resp: 30274

Ion Ratio Lower Upper

75 100

110 8.9 17.9 53.8#

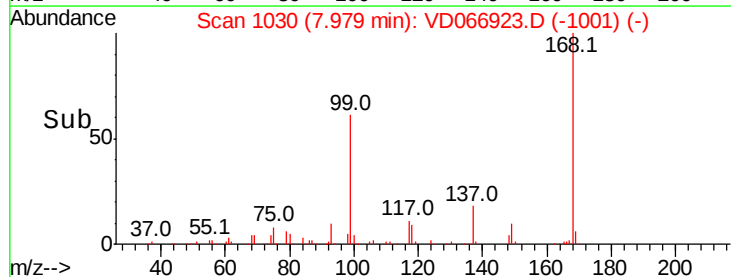
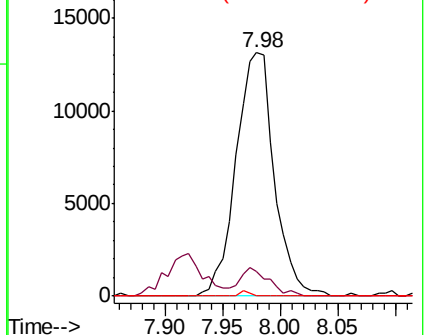
77 0.5 25.0 37.6#

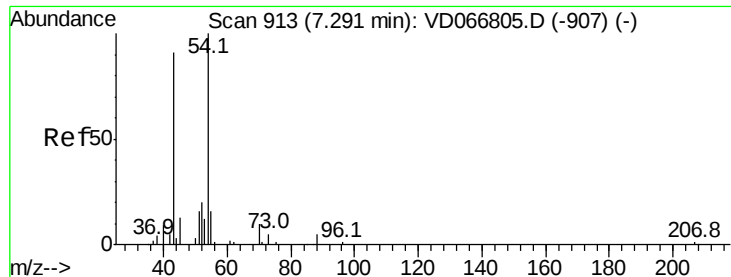


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

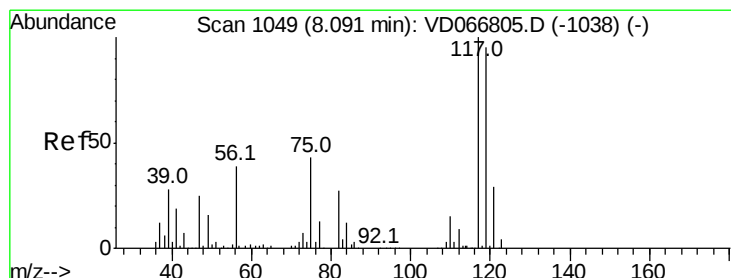
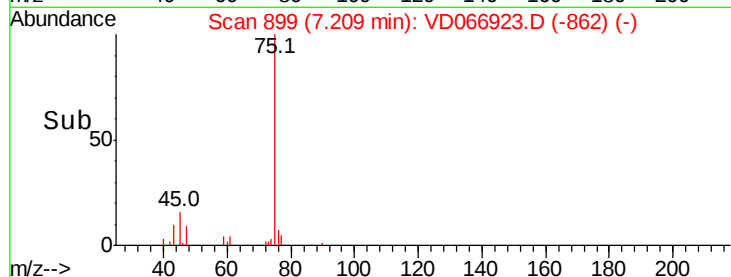
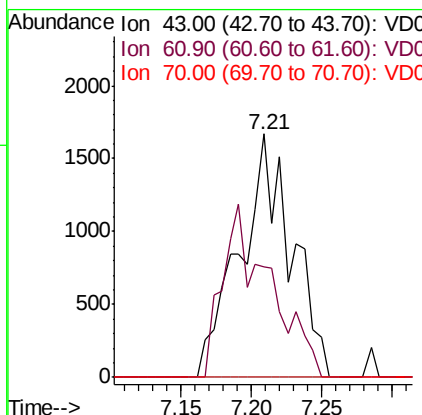
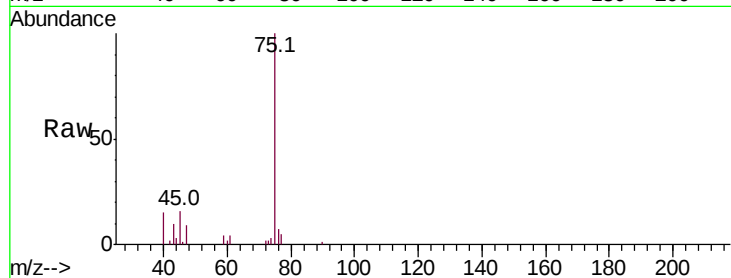




#37
Ethyl Acetate
Concen: 1.716 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.08 min
Lab File: VD066923.D
Acq: 28 Sep 2020 19:45

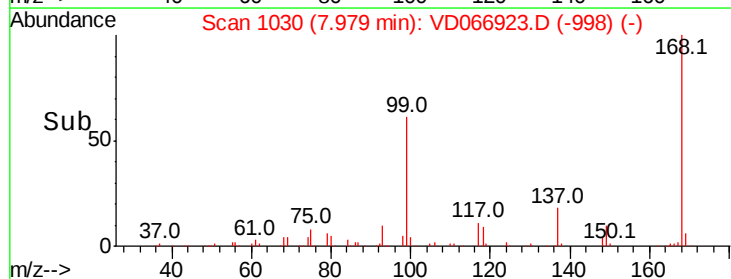
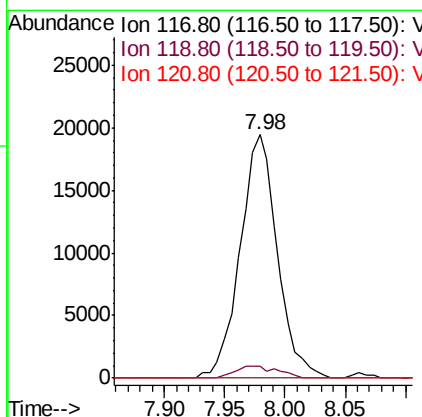
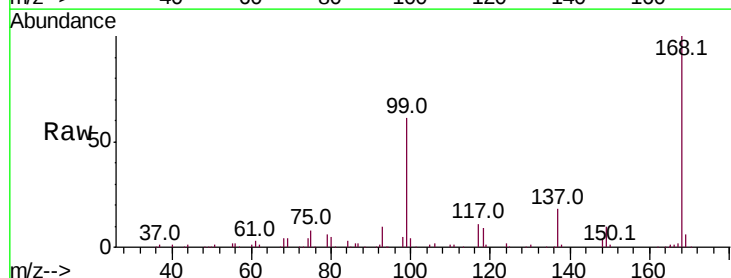
Instrument :
MSVOA_D
ClientSampleId :
B-6(11-13)

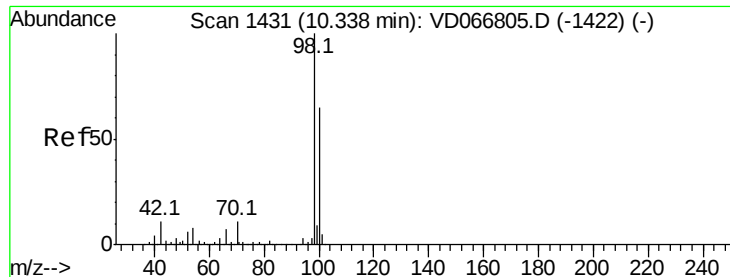
Tot Ion: 43 Resp: 4283
Ion Ratio Lower Upper
43 100
61 64.9 9.8 14.8#
70 0.0 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 5.522 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066923.D
Acq: 28 Sep 2020 19:45

Tgt Ion: 117 Resp: 41677
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 23.4 35.0#





#50

Toluene-d8

Concen: 55.800 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066923.D

Acq: 28 Sep 2020 19:45

Instrument :

MSVOA_D

ClientSampleId :

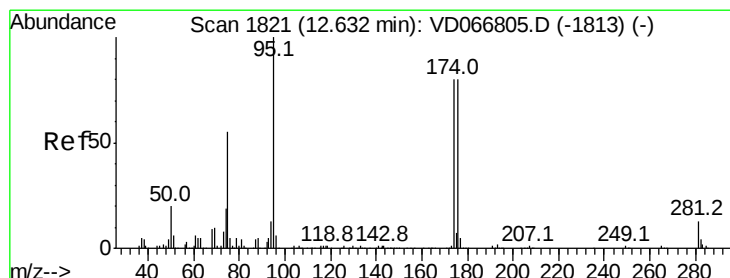
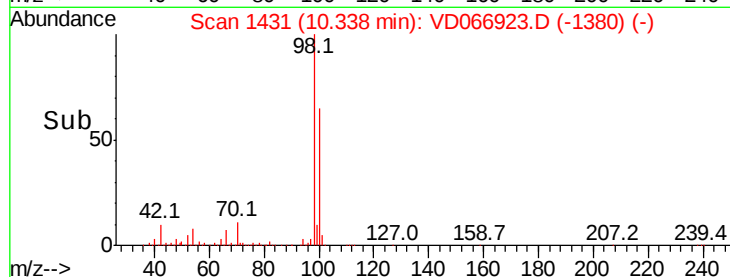
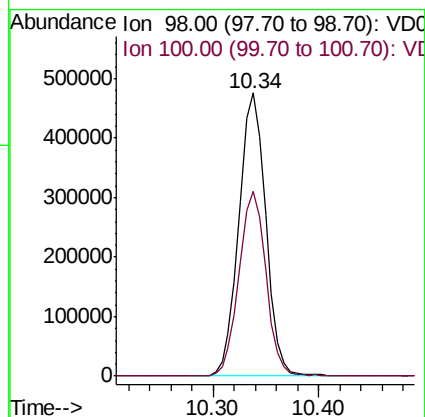
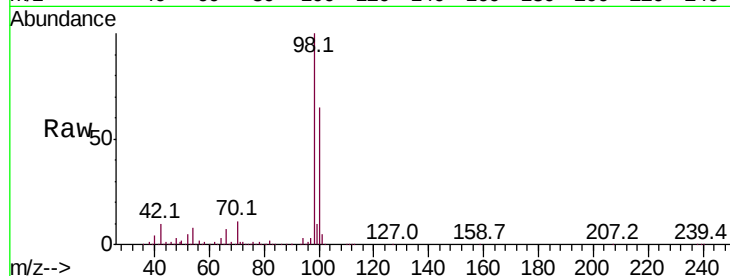
B-6(11-13)

Tot Ion: 98 Resp: 841646

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 59.780 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066923.D

Acq: 28 Sep 2020 19:45

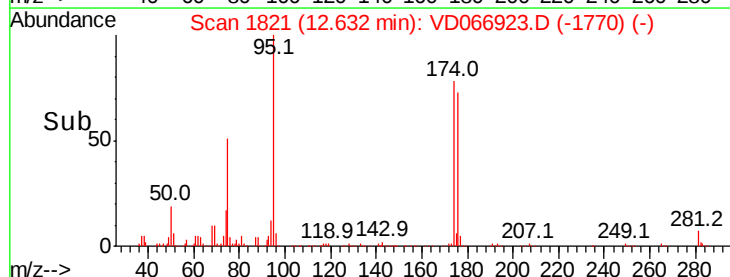
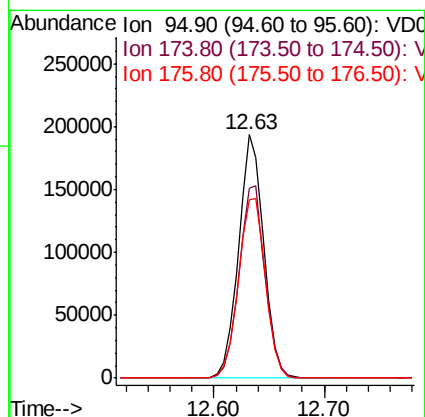
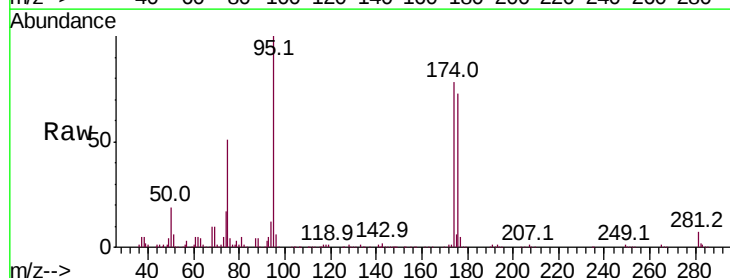
Tgt Ion: 95 Resp: 308674

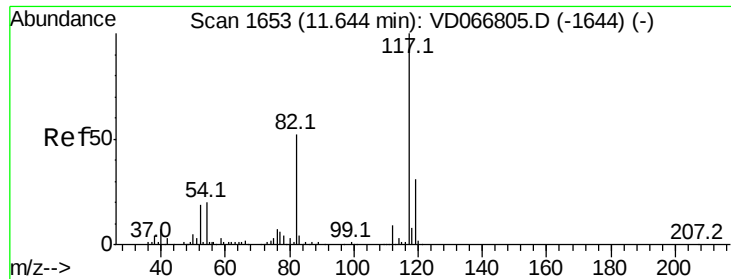
Ion Ratio Lower Upper

95 100

174 82.0 0.0 159.8

176 79.4 0.0 154.4

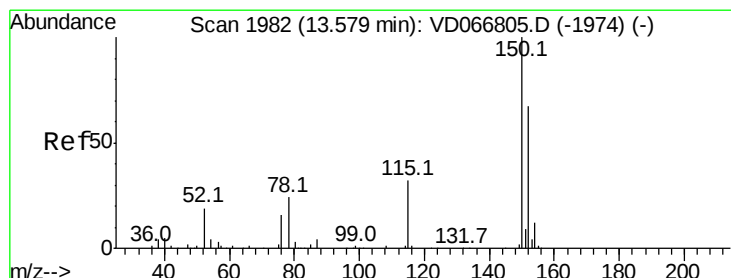
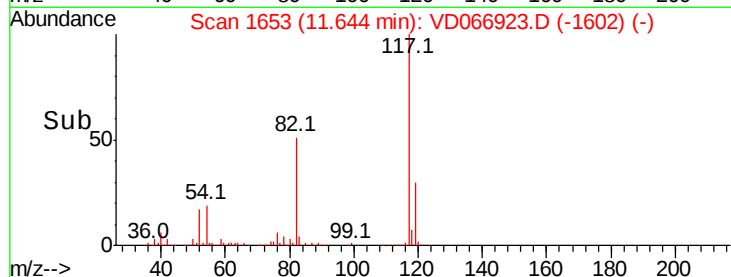
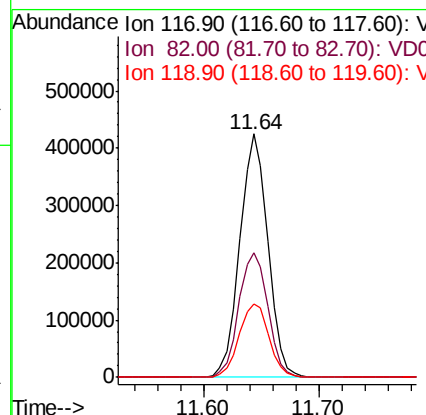
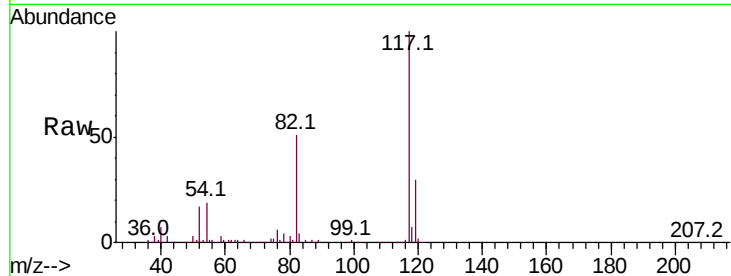




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066923.D
Acq: 28 Sep 2020 19:45

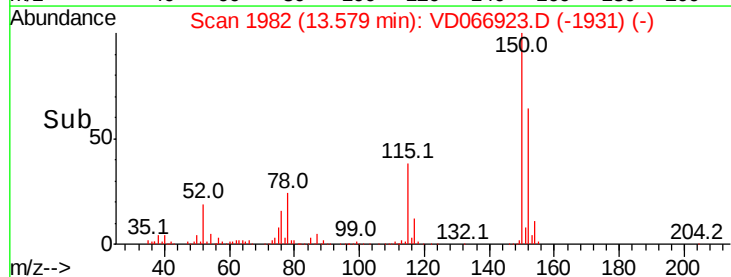
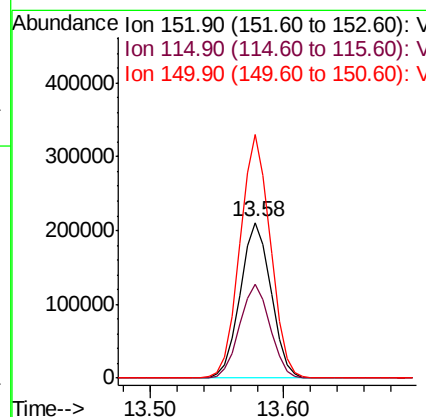
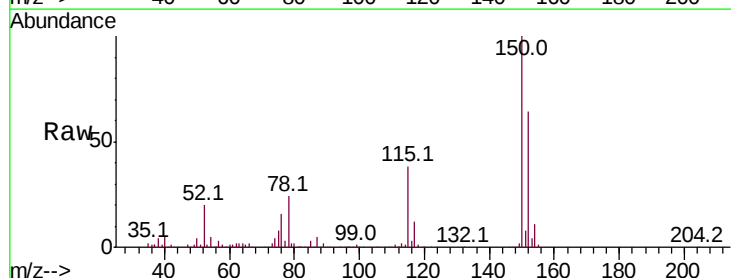
Instrument :
MSVOA_D
ClientSampleId :
B-6(11-13)

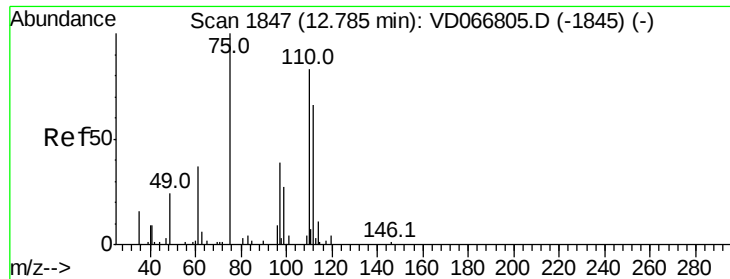
Tot Ion:117 Resp: 714720
Ion Ratio Lower Upper
117 100
82 51.4 41.8 62.6
119 30.3 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066923.D
Acq: 28 Sep 2020 19:45

Tgt Ion:152 Resp: 336310
Ion Ratio Lower Upper
152 100
115 59.9 30.3 91.0
150 154.6 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 57.803 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066923.D

Acq: 28 Sep 2020 19:45

Instrument :

MSVOA_D

ClientSampled :

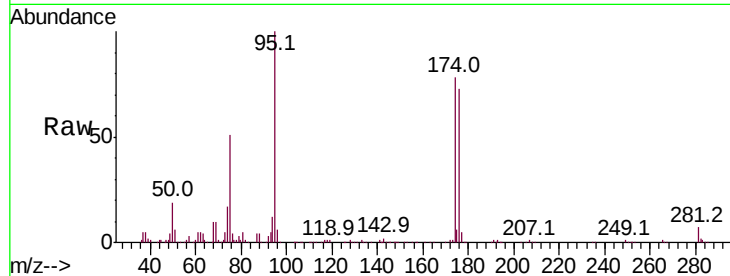
B-6(11-13)

Tot Ion: 75 Resp: 161101

Ion Ratio Lower Upper

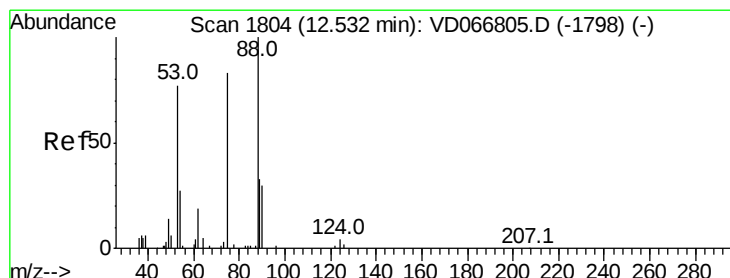
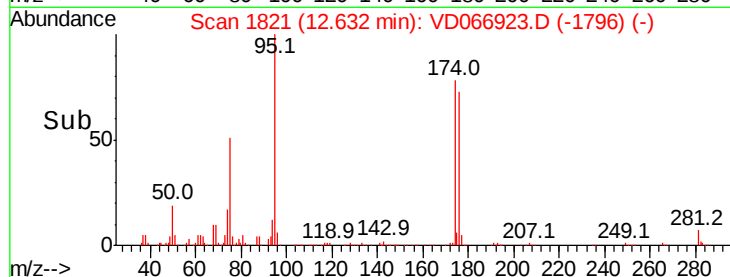
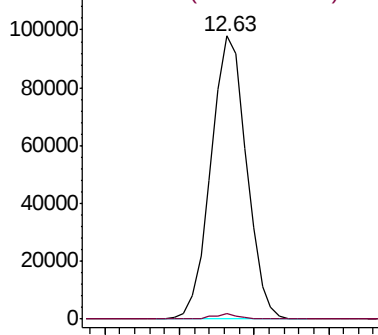
75 100

77 1.3 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: 144.618 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066923.D

Acq: 28 Sep 2020 19:45

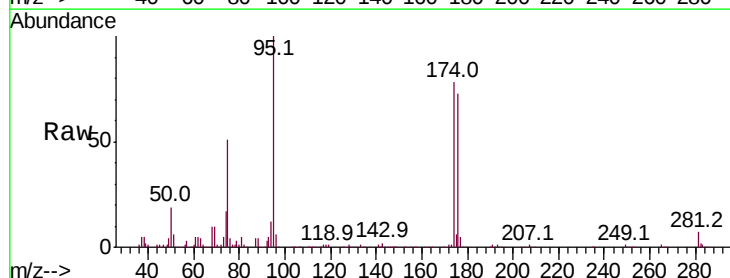
Tgt Ion: 75 Resp: 161101

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

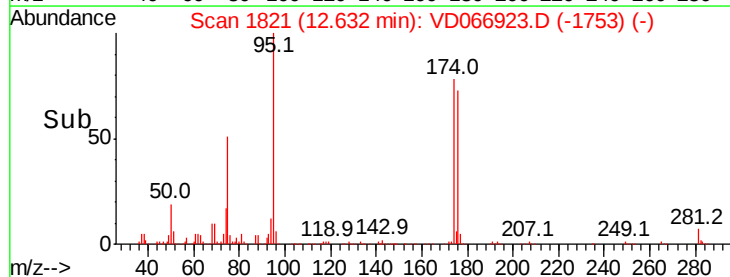
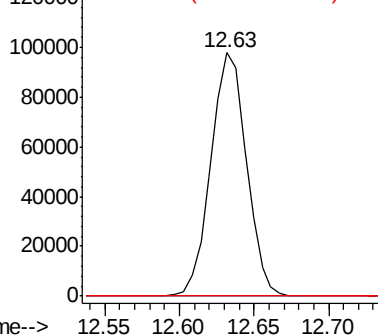
89 0.1 38.1 57.1#

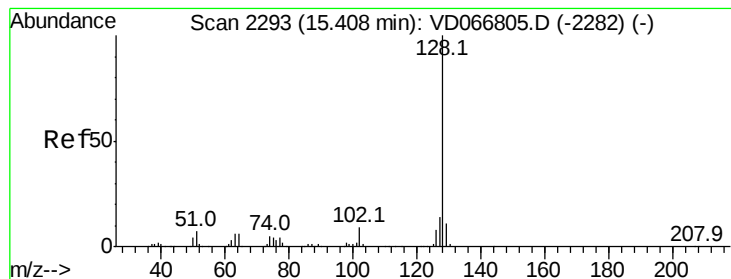


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 61.821 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066923.D

Acq: 28 Sep 2020 19:45

Instrument :

MSVOA_D

ClientSampleId :

B-6(11-13)

Tot Ion:128 Resp: 634565

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 10.9 8.9 13.3

