

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067059.D
 Acq On : 03 Oct 2020 03:21
 Operator : VA/SY
 Sample : L4247-05
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(11-13)

Quant Time: Oct 03 06:51:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	580444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	958601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	883925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	407489	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	265846	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
35) Dibromofluoromethane	7.91	113	292623	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	
50) Toluene-d8	10.34	98	1126441	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.63	95	388811	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	

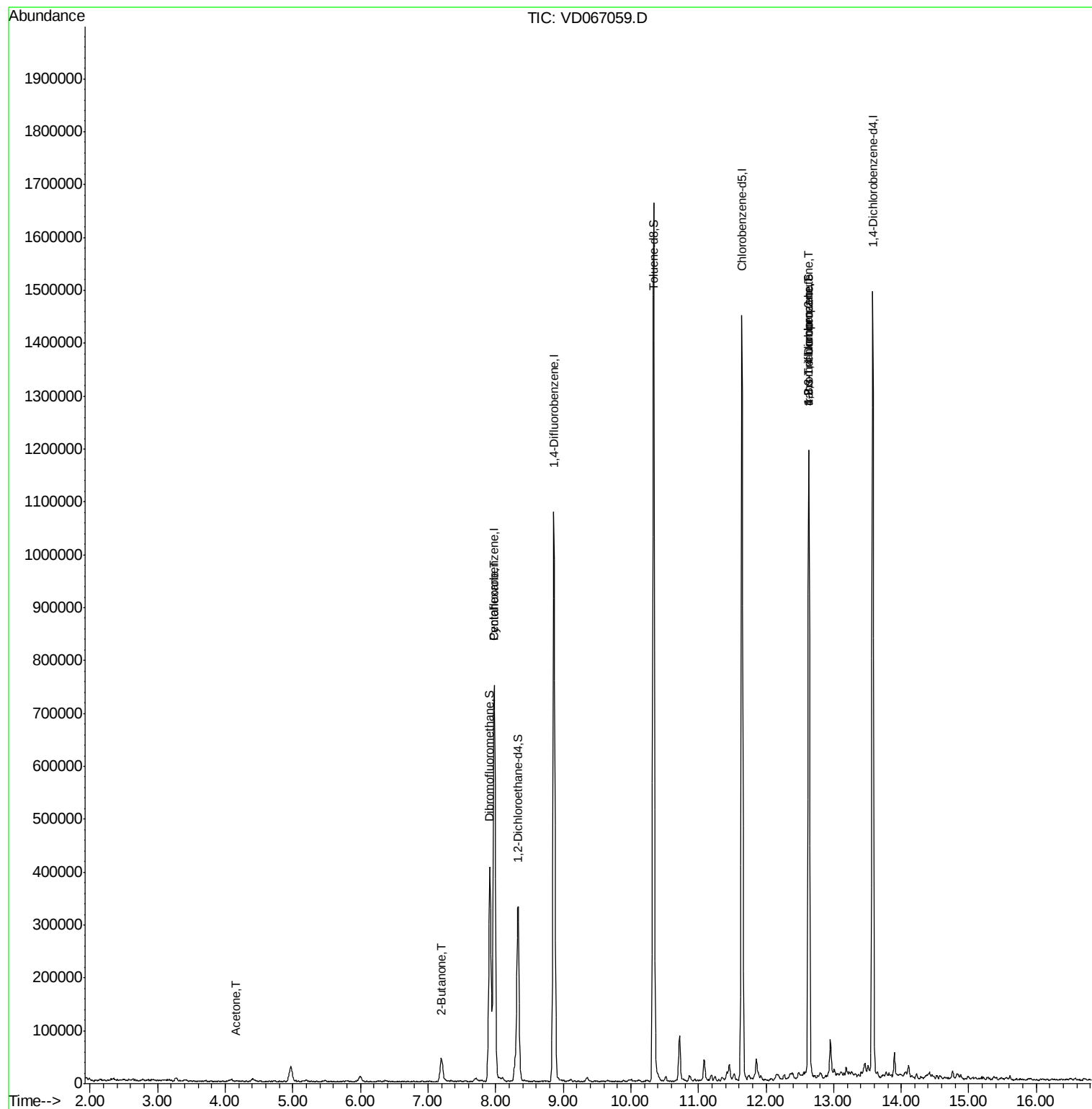
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	3463	Below Cal		79
5) Bromomethane	2.78	94	1236	Below Cal	#	78
11) Tert butyl alcohol	5.17	59	951	Below Cal	#	72
16) Acetone	4.16	43	1313	1.538	ug/l	89
20) Methylene Chloride	4.97	84	22668	Below Cal		91
25) 2-Butanone	7.21	43	1336	1.104	ug/l	# 46
26) 2,2-Dichloropropane	7.21	77	4877	Below Cal	#	65
31) Cyclohexane	7.98	56	12139	1.446	ug/l	# 1
76) 1,2,3-Trichloropropane	12.63	75	189677	53.440	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.63	75	189677	133.232	ug/l	# 12

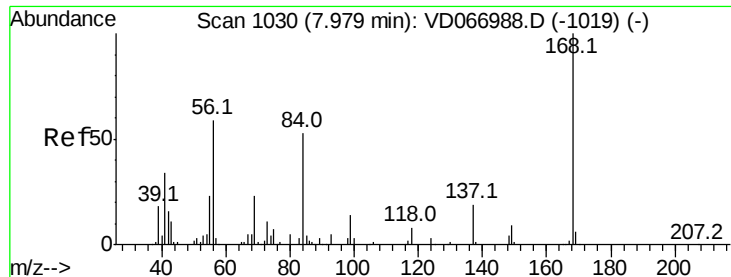
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067059.D

Acq: 03 Oct 2020 03:21

Instrument :

MSVOA_D

ClientSampleId :

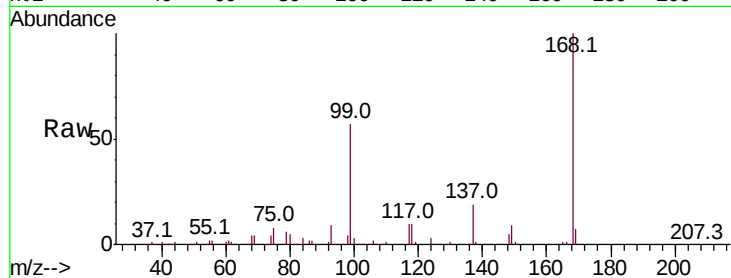
B-18(11-13)

Tot Ion:168 Resp: 580444

Ion Ratio Lower Upper

168 100

99 56.8 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

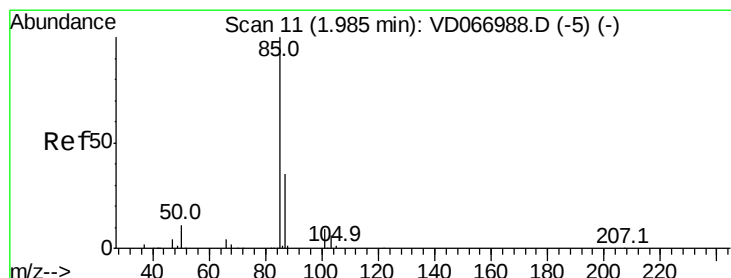
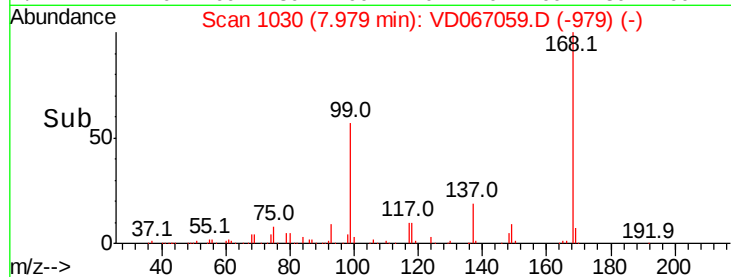
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067059.D

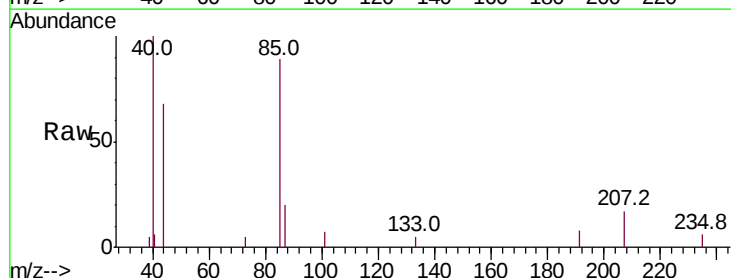
Acq: 03 Oct 2020 03:21

Tgt Ion: 85 Resp: 3463

Ion Ratio Lower Upper

85 100

87 22.6 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

3000

2500

2000

1500

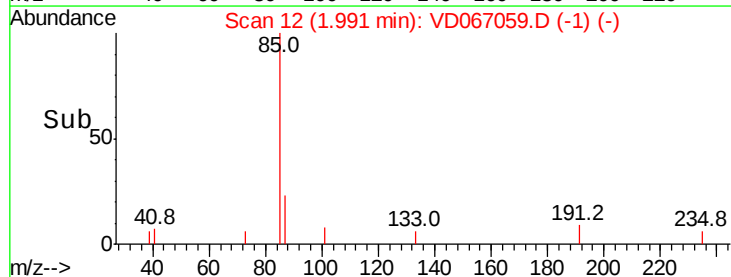
1000

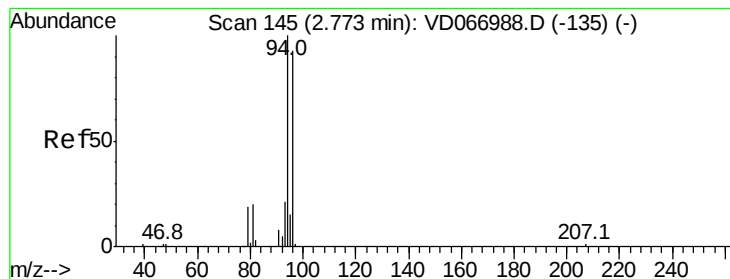
500

0

Time-->

1.95 2.00 2.05





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067059.D

Acq: 03 Oct 2020 03:21

Instrument :

MSVOA_D

ClientSampled :

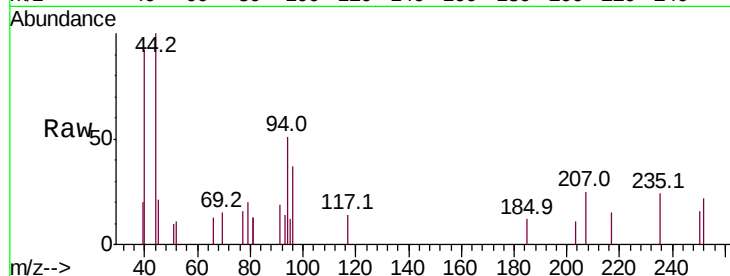
B-18(11-13)

Tot Ion: 94 Resp: 1236

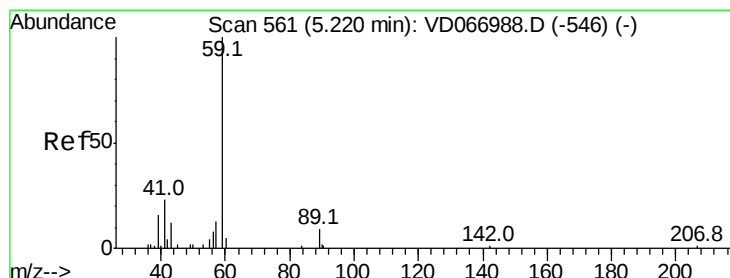
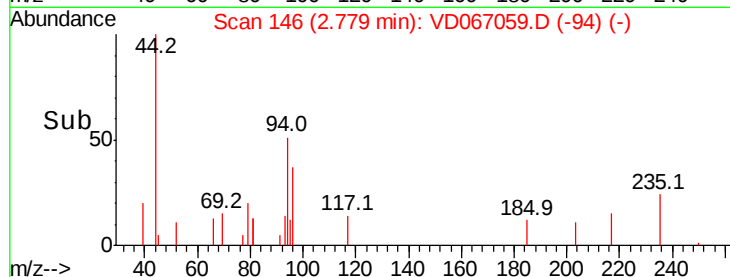
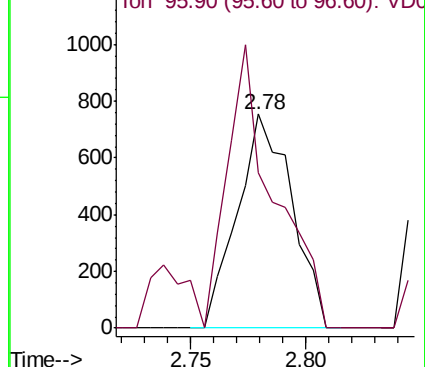
Ion Ratio Lower Upper

94 100

96 72.5 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 552

Delta R.T. -0.05 min

Lab File: VD067059.D

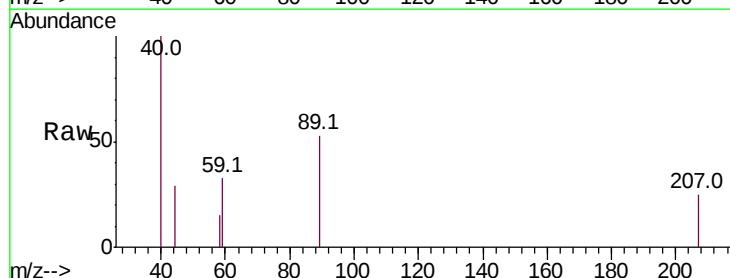
Acq: 03 Oct 2020 03:21

Tgt Ion: 59 Resp: 951

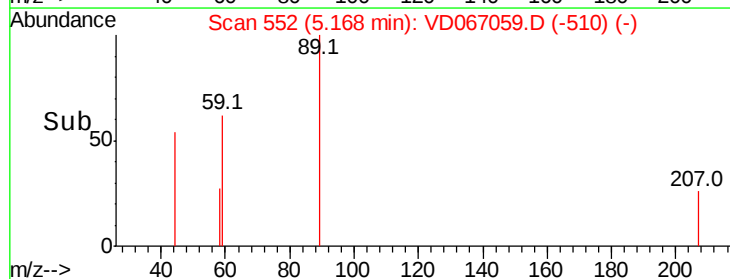
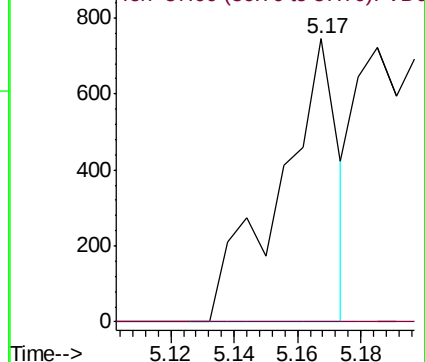
Ion Ratio Lower Upper

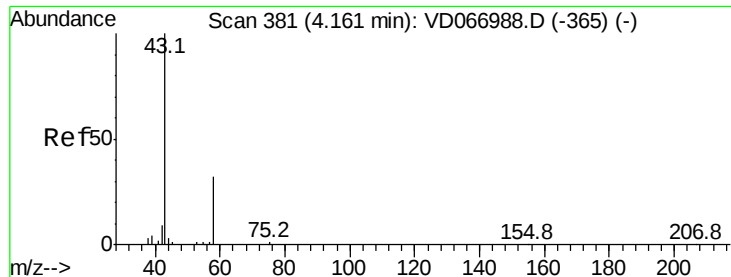
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC





#16

Acetone

Concen: 1.538 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067059.D

Acq: 03 Oct 2020 03:21

Instrument :

MSVOA_D

ClientSampleId :

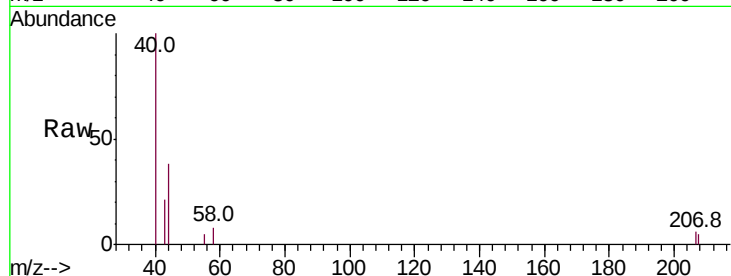
B-18(11-13)

Tot Ion: 43 Resp: 1313

Ion Ratio Lower Upper

43 100

58 38.5 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

800

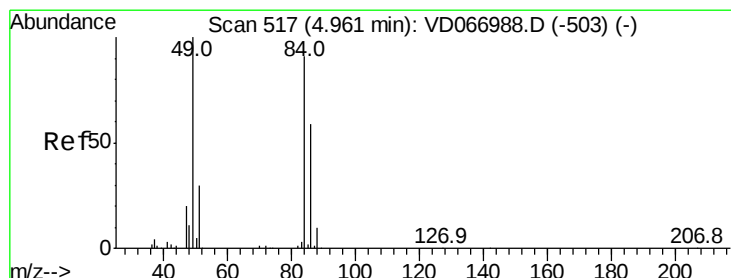
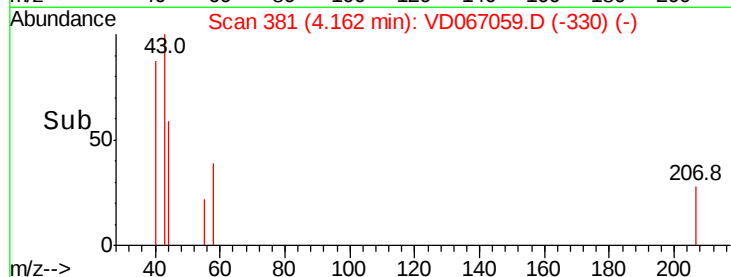
600

400

200

0

Time--> 4.10 4.15 4.20



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067059.D

Acq: 03 Oct 2020 03:21

Tgt Ion: 84 Resp: 22668

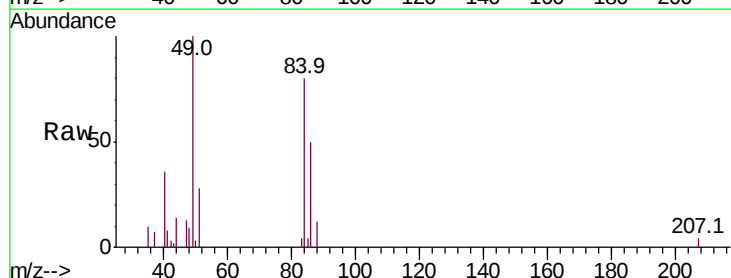
Ion Ratio Lower Upper

84 100

49 124.3 88.2 132.2

51 34.6 26.6 39.8

86 62.0 52.1 78.1



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

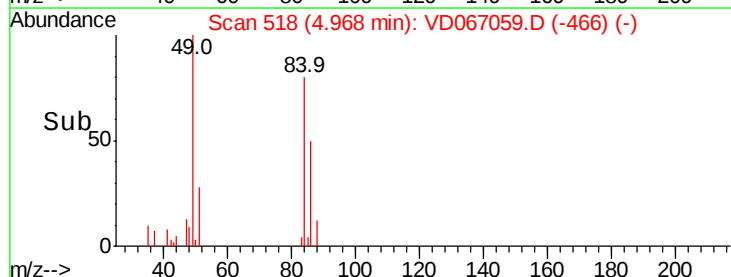
6000

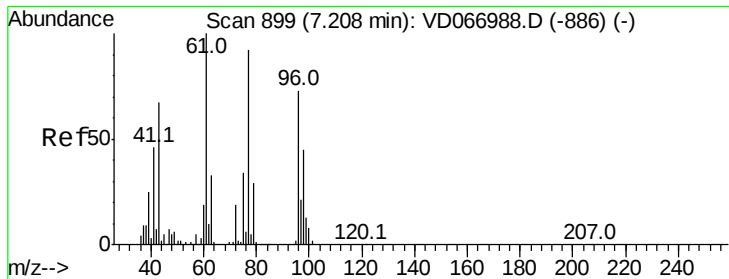
4000

2000

0

Time--> 4.90 5.00





#25

2-Butanone

Concen: 1.104 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067059.D

Acq: 03 Oct 2020 03:21

Instrument :

MSVOA_D

ClientSampleId :

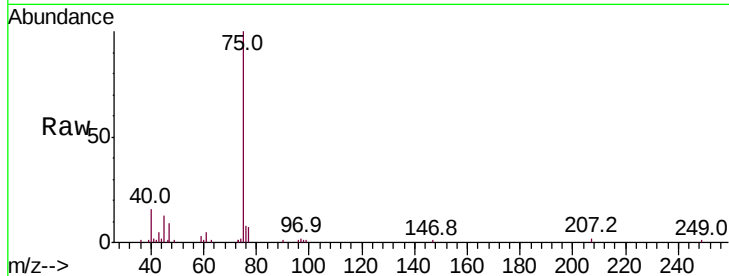
B-18(11-13)

Tot Ion: 43 Resp: 1336

Ion Ratio Lower Upper

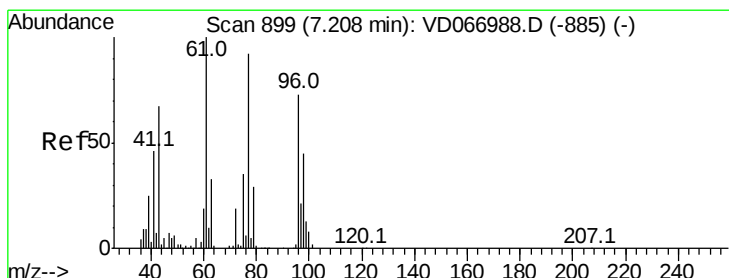
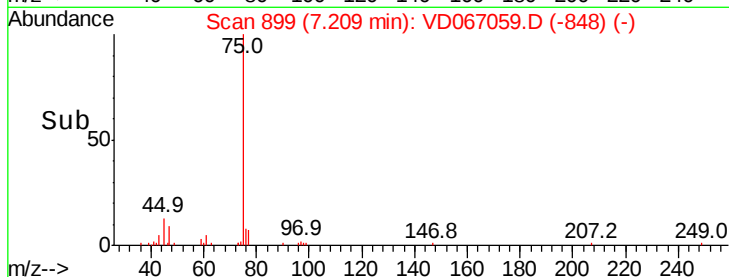
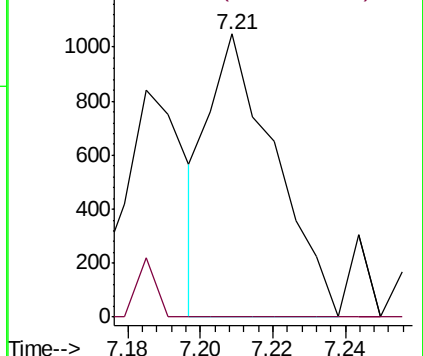
43 100

72 0.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067059.D

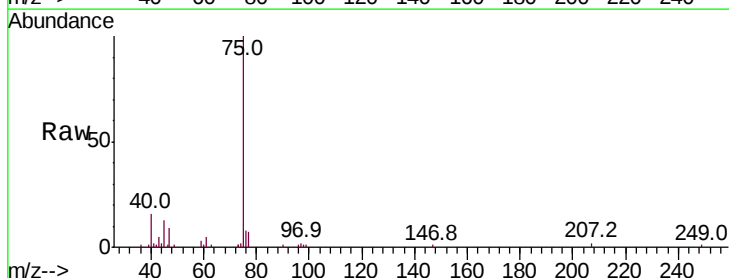
Acq: 03 Oct 2020 03:21

Tgt Ion: 77 Resp: 4877

Ion Ratio Lower Upper

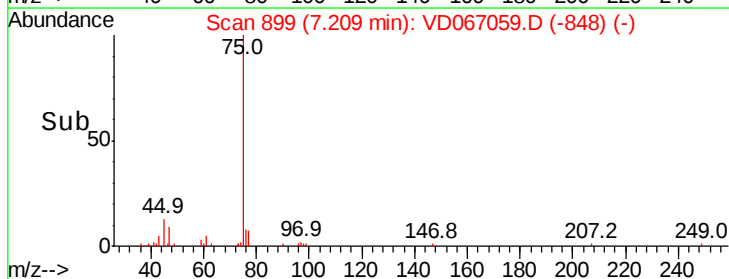
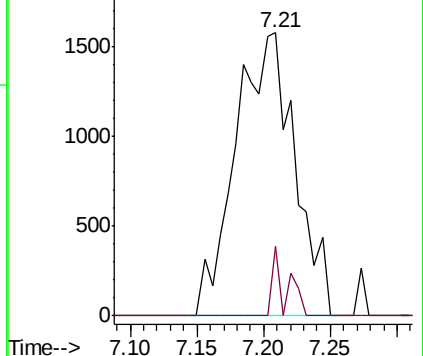
77 100

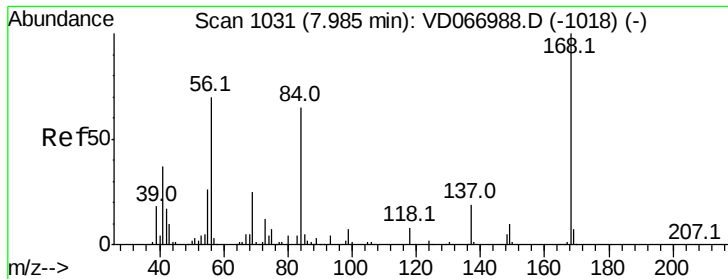
97 5.7 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

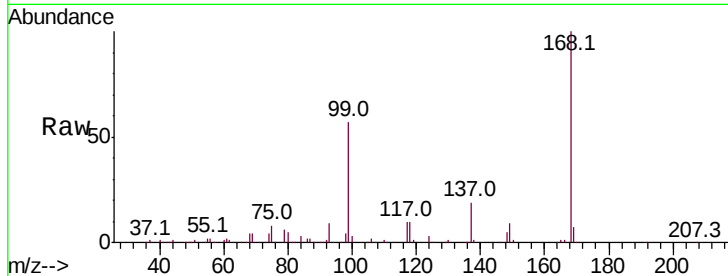




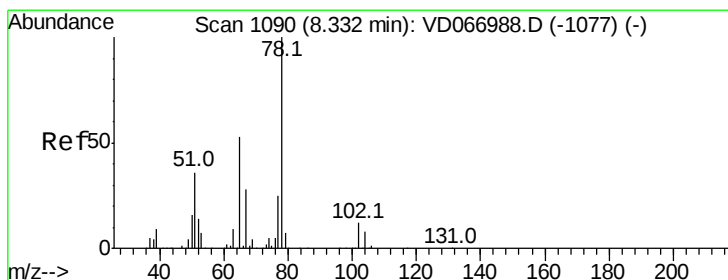
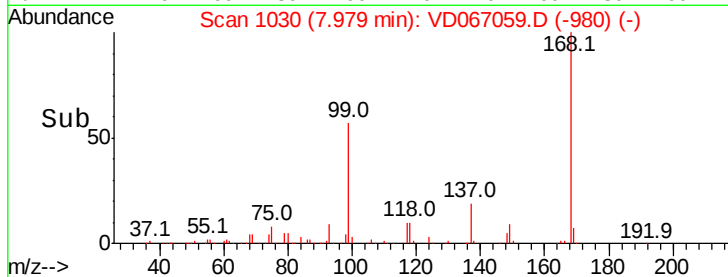
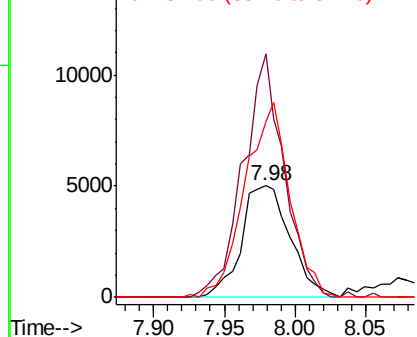
#31
Cyclohexane
Concen: 1.446 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067059.D
Acq: 03 Oct 2020 03:21

Instrument :
MSVOA_D
ClientSampled :
B-18(11-13)

Tot Ion: 56 Resp: 12139
Ion Ratio Lower Upper
56 100
69 219.0 29.0 43.6#
84 158.4 74.2 111.2#

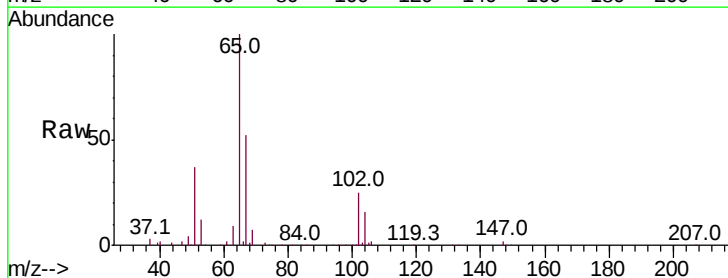


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

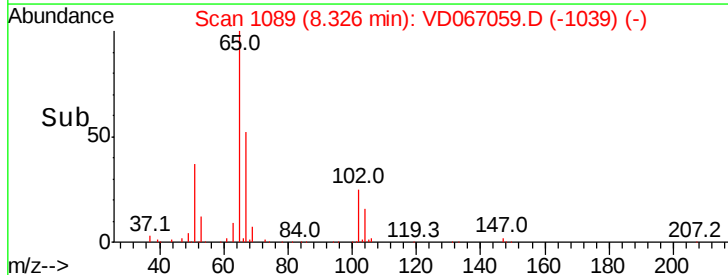
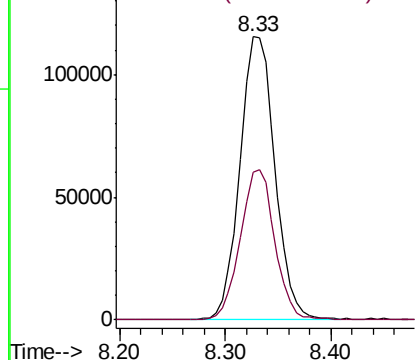


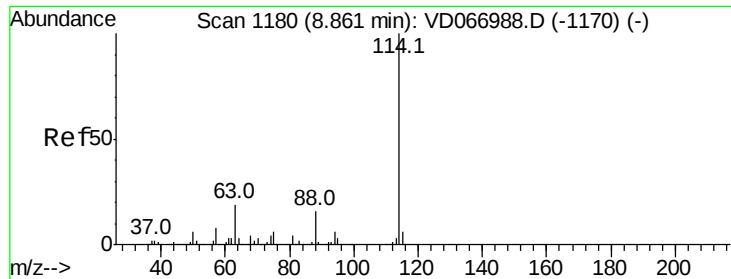
#33
1,2-Dichloroethane-d4
Concen: 47.551 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD067059.D
Acq: 03 Oct 2020 03:21

Tgt Ion: 65 Resp: 265846
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.8



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

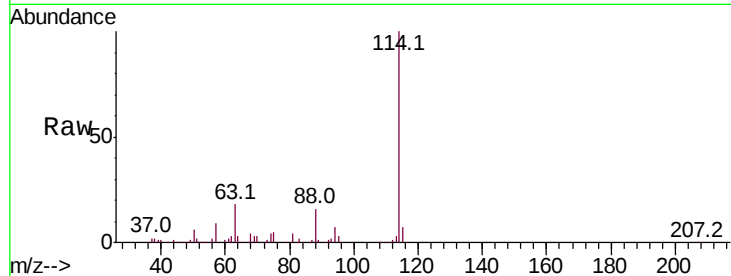




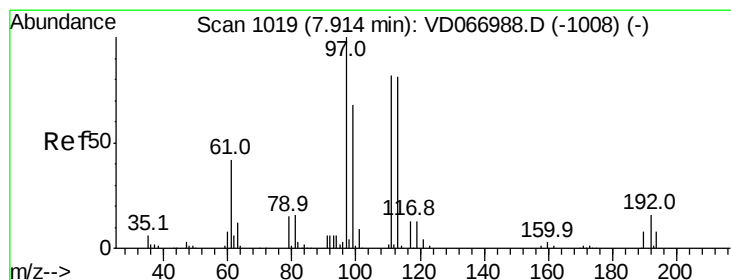
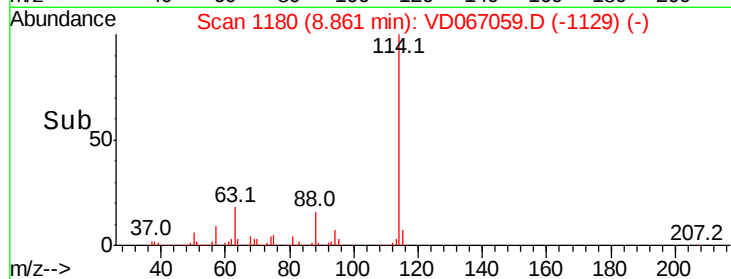
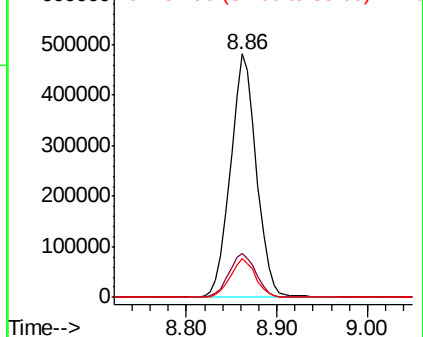
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067059.D
 Acq: 03 Oct 2020 03:21

Instrument :
 MSVOA_D
 ClientSampleId :
 B-18(11-13)

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.4
88	15.7	0.0	31.2

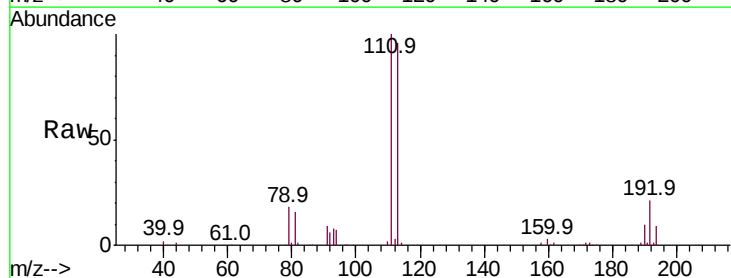


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

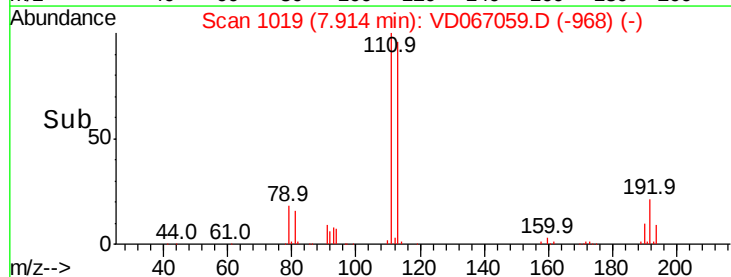
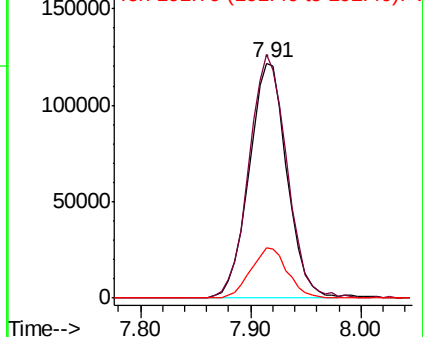


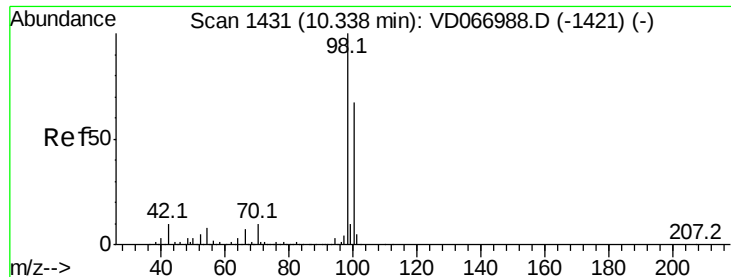
#35
 Dibromofluoromethane
 Concen: 46.627 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067059.D
 Acq: 03 Oct 2020 03:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	83.0	124.4
192	20.8	15.5	23.3



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





#50

Toluene-d8

Concen: 49.258 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067059.D

Acq: 03 Oct 2020 03:21

Instrument :

MSVOA_D

ClientSampleId :

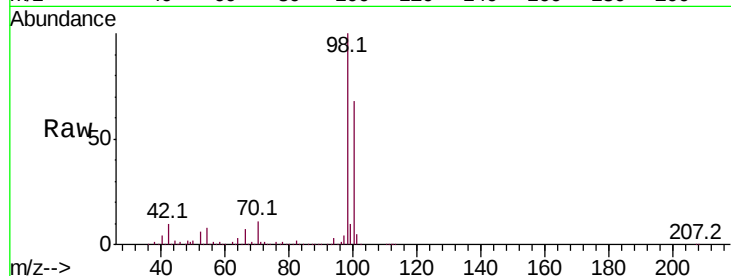
B-18(11-13)

Tot Ion: 98 Resp: 1126441

Ion Ratio Lower Upper

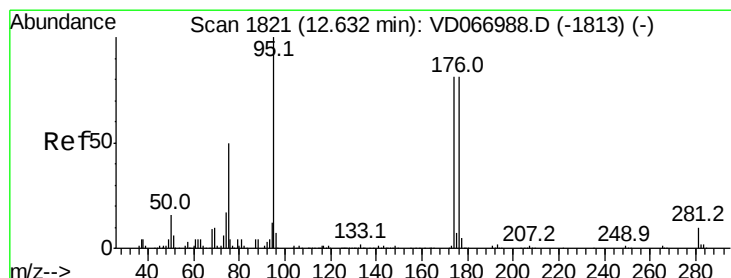
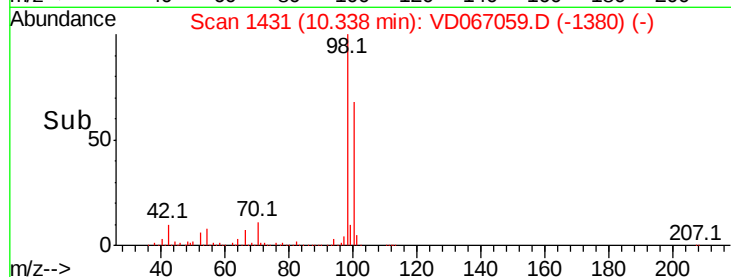
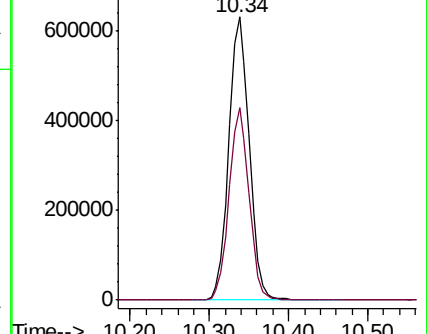
98 100

100 66.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 50.084 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067059.D

Acq: 03 Oct 2020 03:21

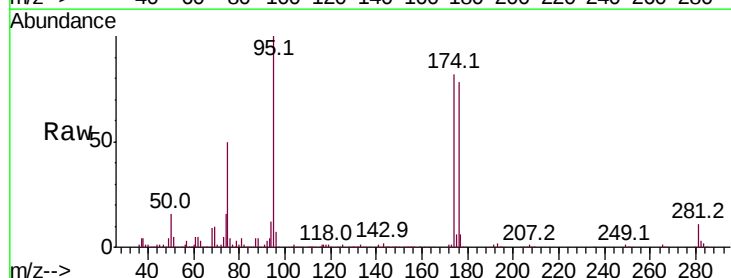
Tgt Ion: 95 Resp: 388811

Ion Ratio Lower Upper

95 100

174 82.2 0.0 167.6

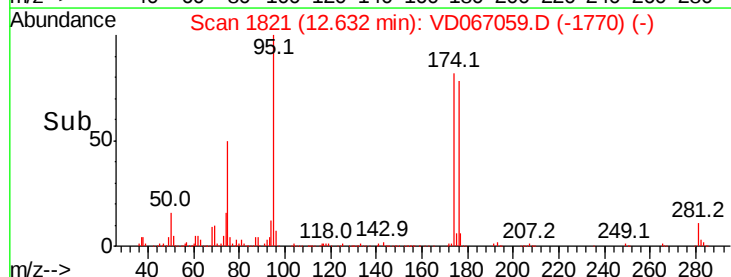
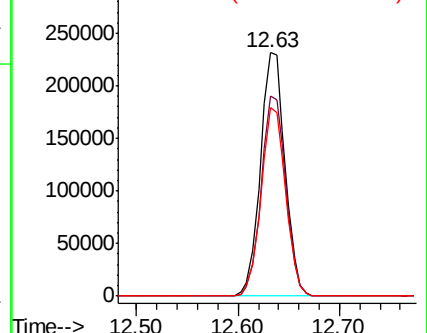
176 77.4 0.0 162.4

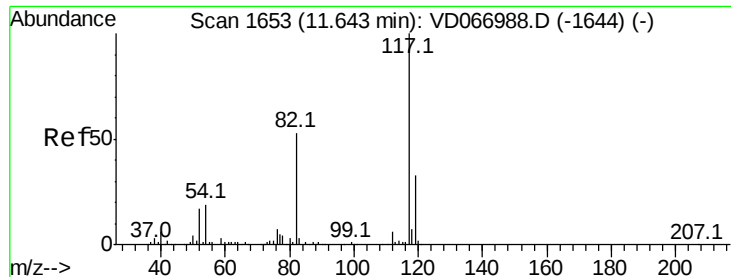


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

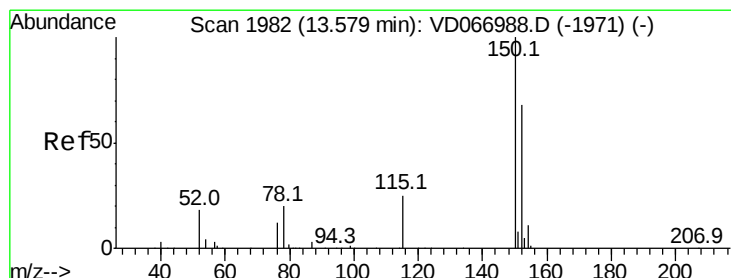
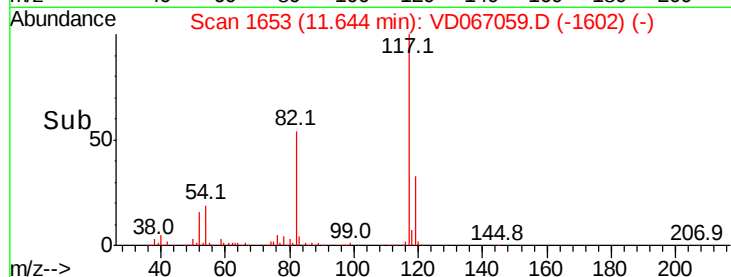
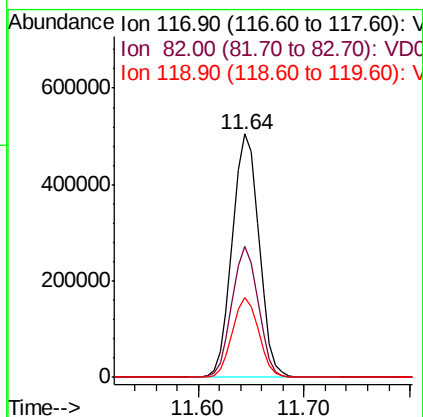
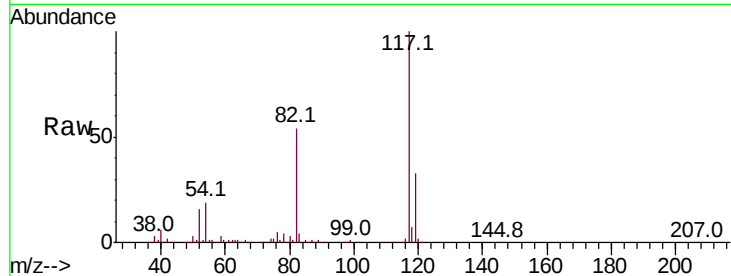




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067059.D
Acq: 03 Oct 2020 03:21

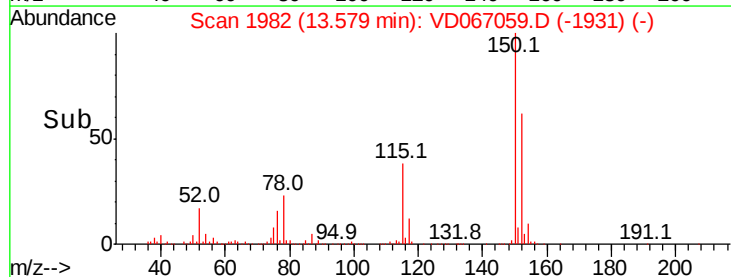
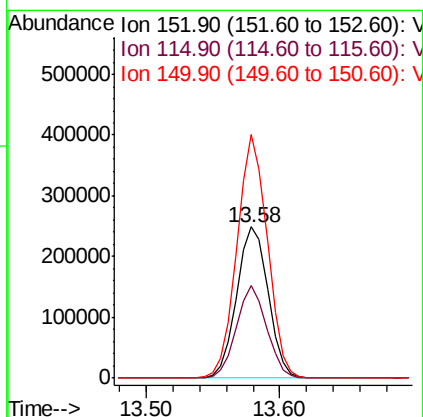
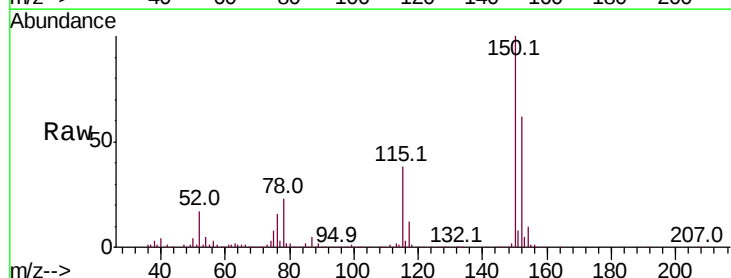
Instrument :
MSVOA_D
ClientSampleId :
B-18(11-13)

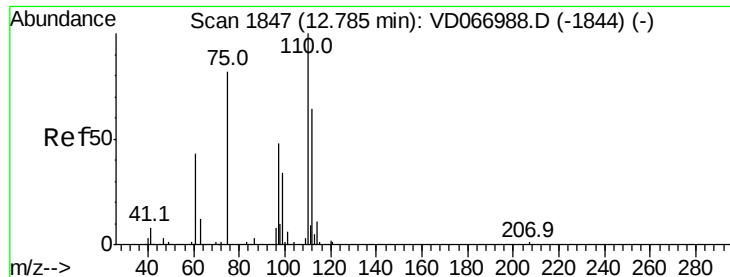
Tot Ion:117 Resp: 883925
Ion Ratio Lower Upper
117 100
82 53.8 42.6 63.8
119 32.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067059.D
Acq: 03 Oct 2020 03:21

Tgt Ion:152 Resp: 407489
Ion Ratio Lower Upper
152 100
115 58.3 29.6 88.8
150 155.4 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 53.440 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067059.D

Acq: 03 Oct 2020 03:21

Instrument :

MSVOA_D

ClientSampleId :

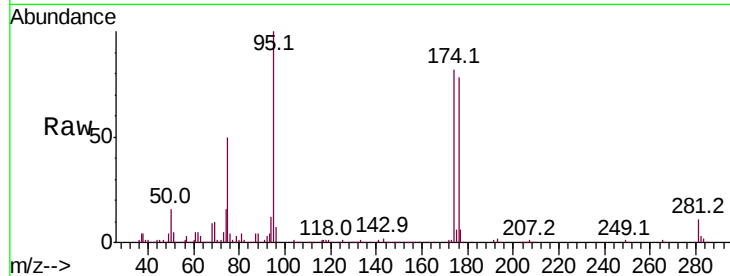
B-18(11-13)

Tot Ion: 75 Resp: 189677

Ion Ratio Lower Upper

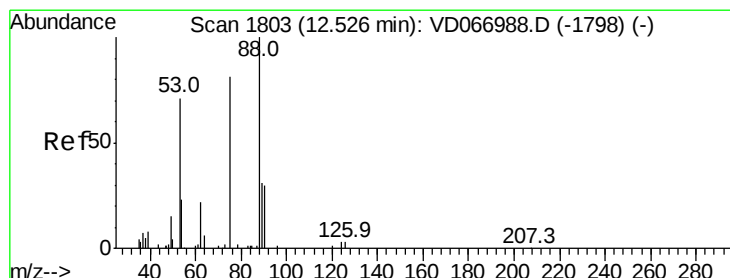
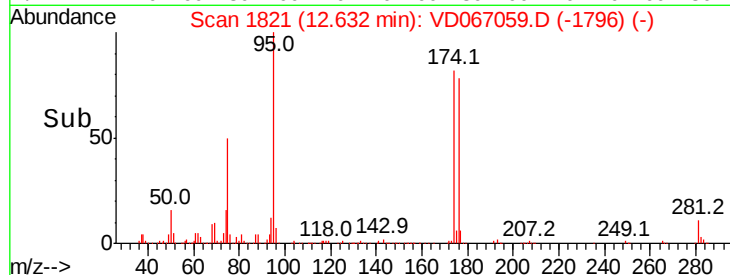
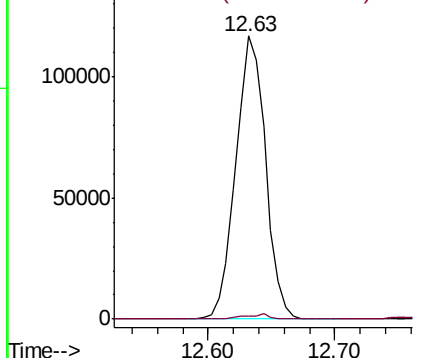
75 100

77 1.8 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: 133.232 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067059.D

Acq: 03 Oct 2020 03:21

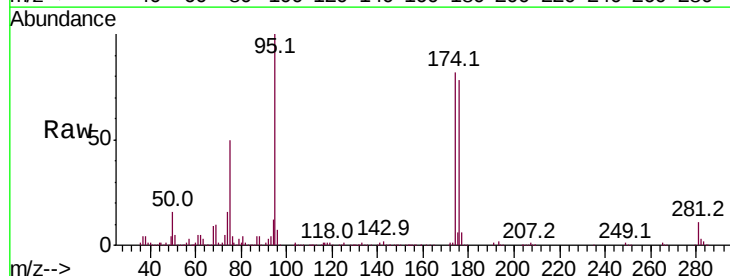
Tgt Ion: 75 Resp: 189677

Ion Ratio Lower Upper

75 100

53 0.4 73.8 110.6#

89 0.2 38.9 58.3#



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

