

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067153.D
 Acq On : 07 Oct 2020 15:34
 Operator : VA/SY
 Sample : L4273-16
 Misc : 5.64G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-8A

Quant Time: Oct 08 07:23:56 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	388865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	619693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	572669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	267805	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	184928	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
35) Dibromofluoromethane	7.91	113	197225	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
50) Toluene-d8	10.34	98	717175	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.64	95	239214	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	

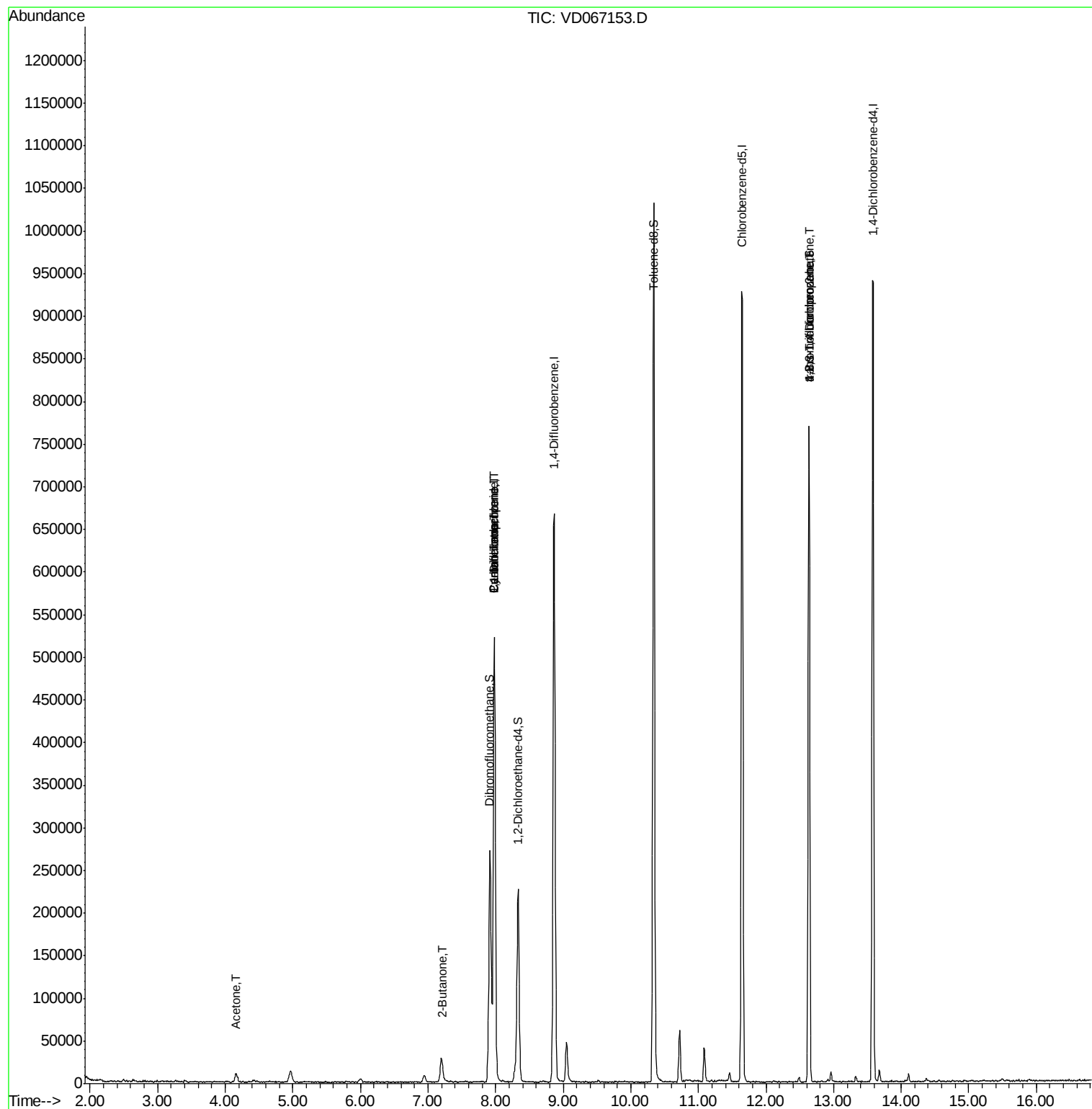
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	431	Below Cal		98
5) Bromomethane	2.79	94	106	Below Cal	#	1
11) Tert butyl alcohol	5.22	59	362	Below Cal	#	72
16) Acetone	4.16	43	18680	32.671	ug/l #	87
20) Methylene Chloride	4.96	84	11755	Below Cal	#	78
25) 2-Butanone	7.21	43	2423	2.989	ug/l	90
26) 2,2-Dichloropropane	7.20	77	1993	Below Cal	#	53
31) Cyclohexane	7.99	56	7397	1.315	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	28589	4.949	ug/l #	51
38) Carbon Tetrachloride	7.99	117	39601	6.336	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	122136	52.359	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	122136	130.537	ug/l #	12

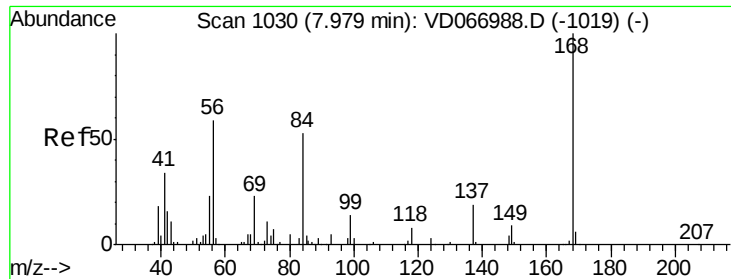
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100720\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
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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: VD067153.D

Acq: 07 Oct 2020 15:34

Instrument :

MSVOA_D

ClientSampleId :

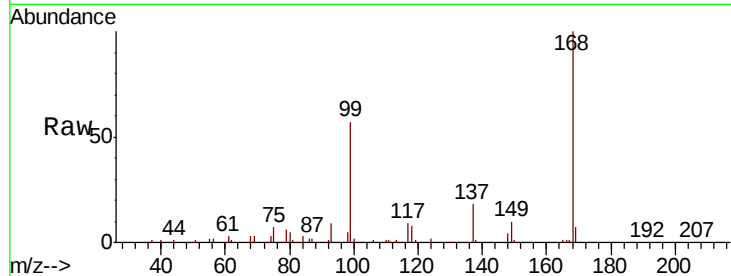
SB-8A

Tot Ion:168 Resp: 388865

Ion Ratio Lower Upper

168 100

99 56.7 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

200000

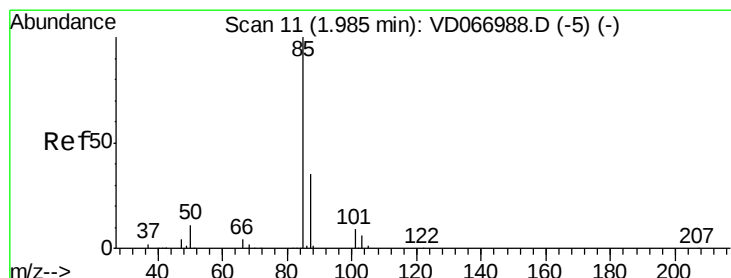
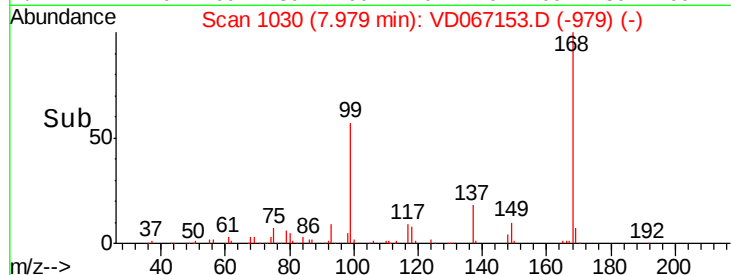
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067153.D

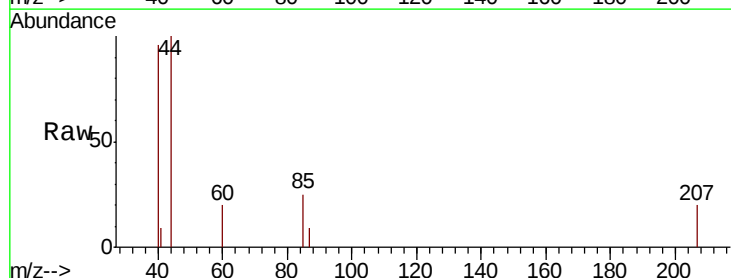
Acq: 07 Oct 2020 15:34

Tgt Ion: 85 Resp: 431

Ion Ratio Lower Upper

85 100

87 35.9 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

600

500

400

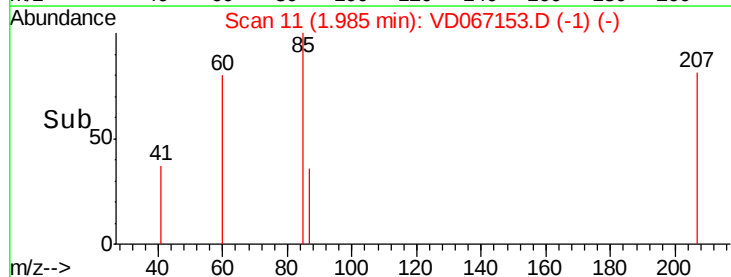
300

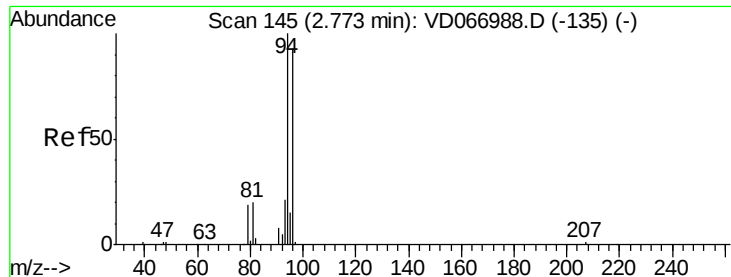
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067153.D

Acq: 07 Oct 2020 15:34

Instrument :

MSVOA_D

ClientSampleId :

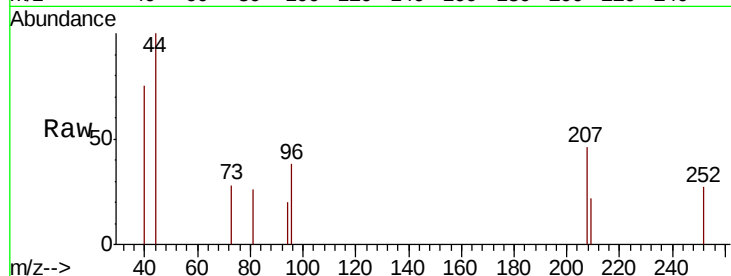
SB-8A

Tot Ion: 94 Resp: 106

Ion Ratio Lower Upper

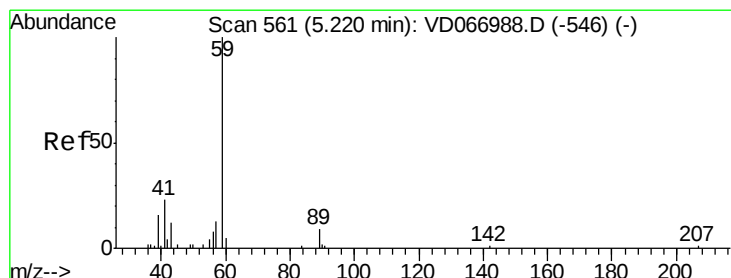
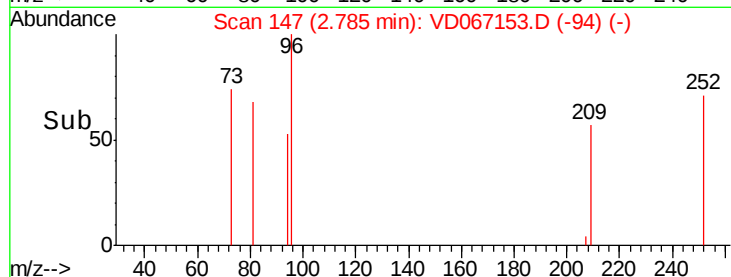
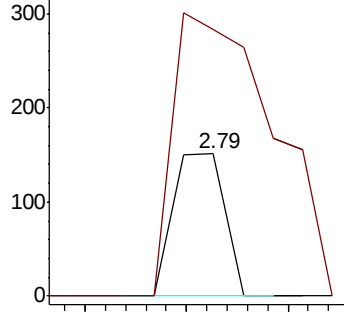
94 100

96 188.1 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD067153.D

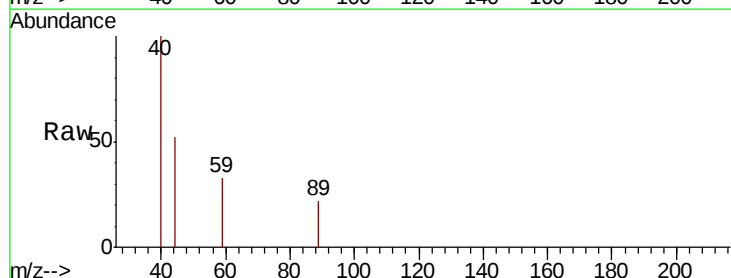
Acq: 07 Oct 2020 15:34

Tgt Ion: 59 Resp: 362

Ion Ratio Lower Upper

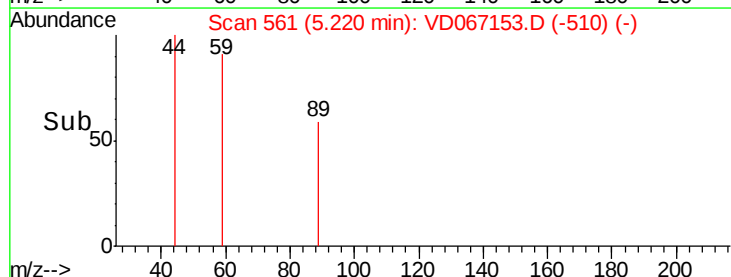
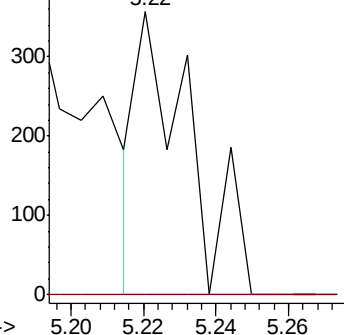
59 100

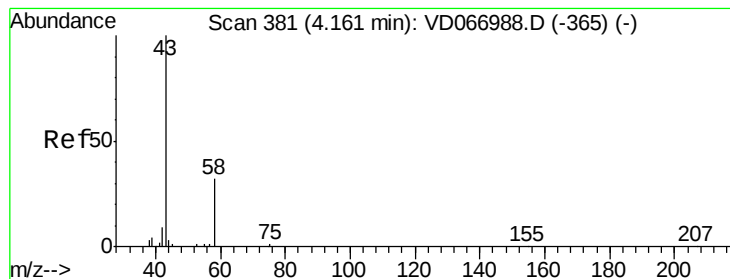
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 32.671 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067153.D

Acq: 07 Oct 2020 15:34

Instrument :

MSVOA_D

ClientSampleId :

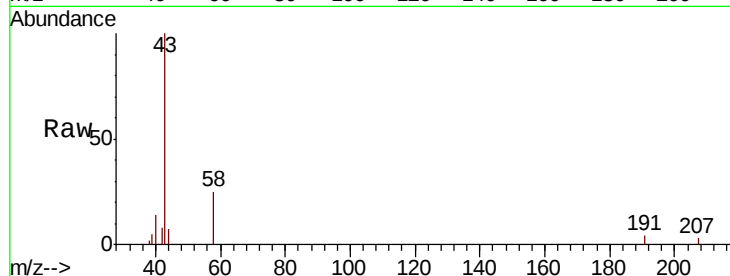
SB-8A

Tot Ion: 43 Resp: 18680

Ion Ratio Lower Upper

43 100

58 25.4 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

8000

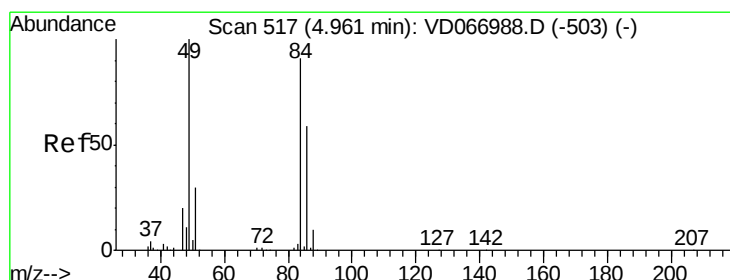
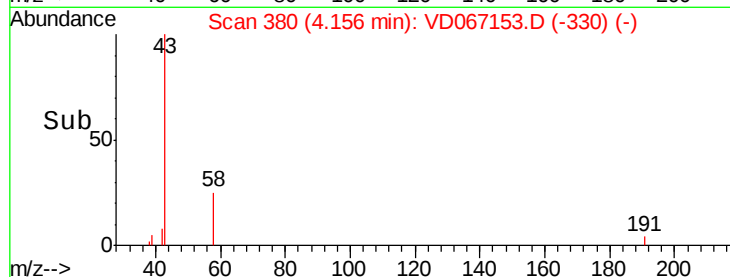
6000

4000

2000

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067153.D

Acq: 07 Oct 2020 15:34

Tgt Ion: 84 Resp: 11755

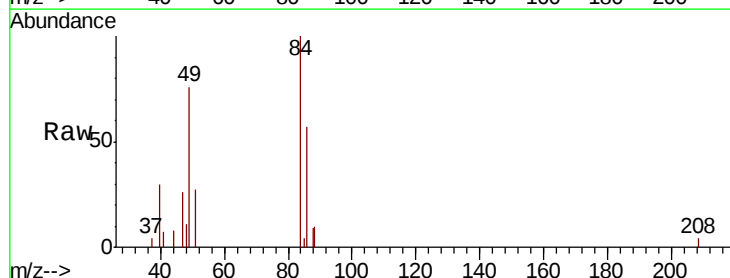
Ion Ratio Lower Upper

84 100

49 75.7 88.2 132.2#

51 26.7 26.6 39.8

86 57.0 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

4.96

6000

5000

4000

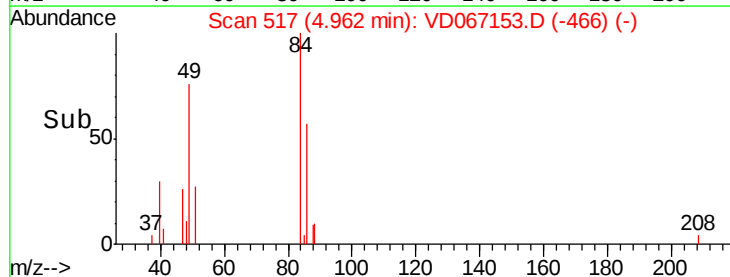
3000

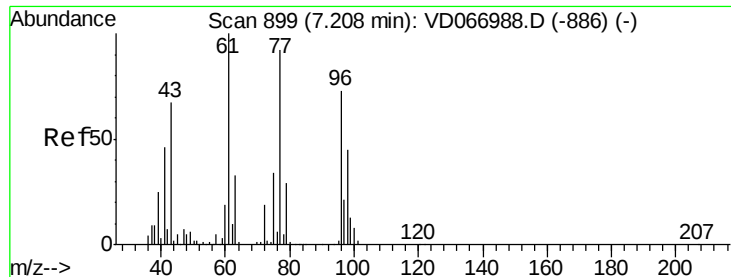
2000

1000

0

Time-->





#25

2-Butanone

Concen: 2.989 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067153.D

Acq: 07 Oct 2020 15:34

Instrument :

MSVOA_D

ClientSampleId :

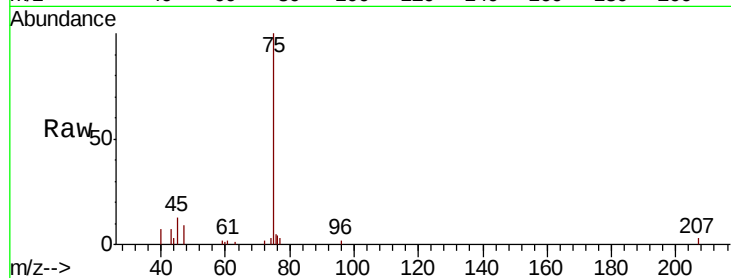
SB-8A

Tot Ion: 43 Resp: 2423

Ion Ratio Lower Upper

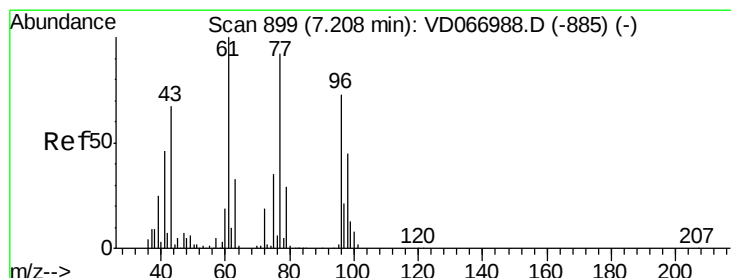
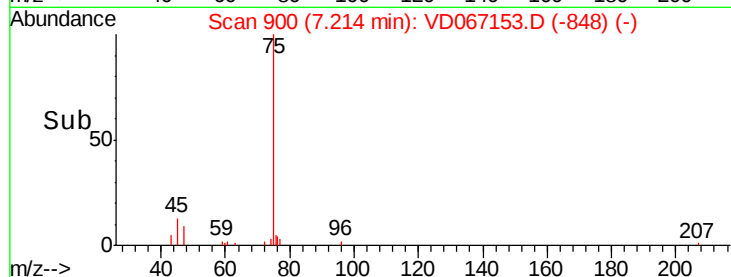
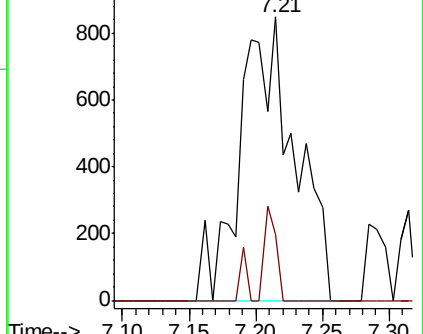
43 100

72 23.1 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: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067153.D

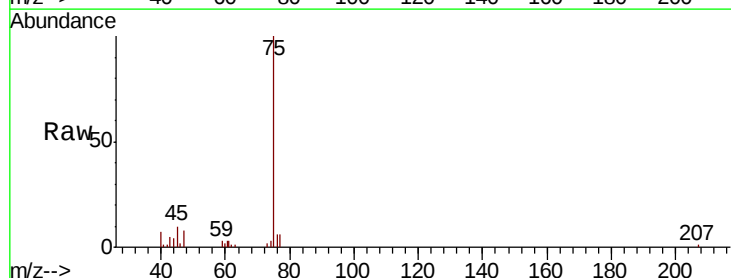
Acq: 07 Oct 2020 15:34

Tgt Ion: 77 Resp: 1993

Ion Ratio Lower Upper

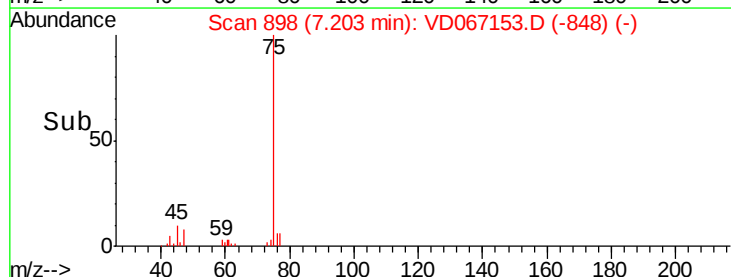
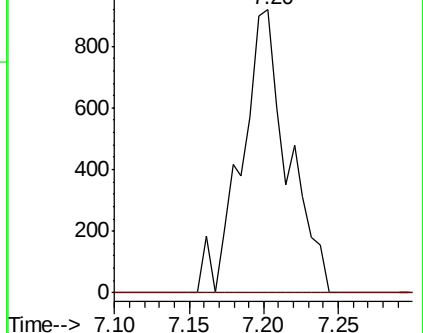
77 100

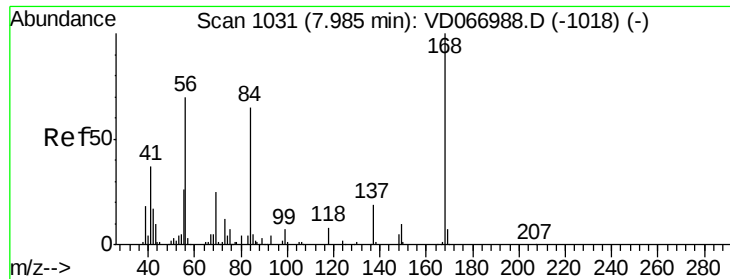
97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

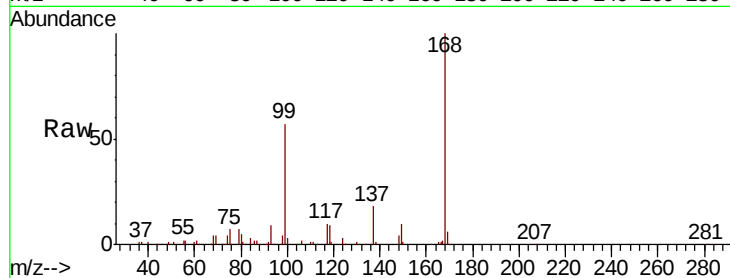




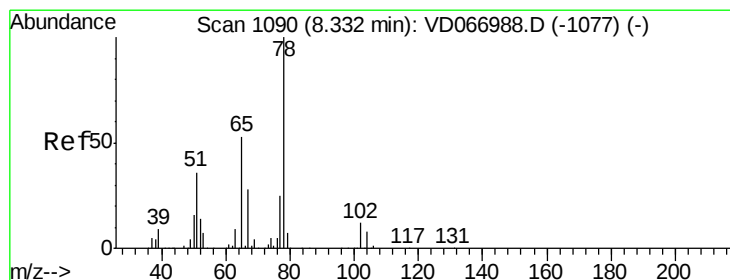
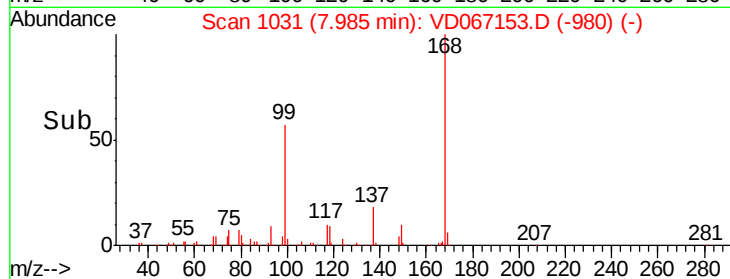
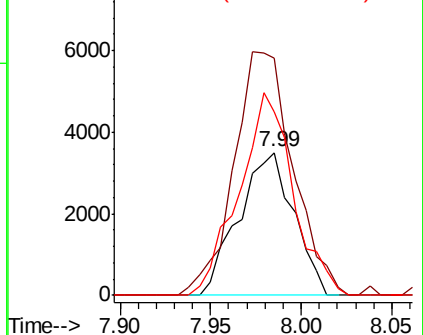
#31
Cyclohexane
Concen: 1.315 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067153.D
Acq: 07 Oct 2020 15:34

Instrument :
MSVOA_D
ClientSampleId :
SB-8A

Tot Ion: 56 Resp: 7397
Ion Ratio Lower Upper
56 100
69 159.9 29.0 43.6#
84 128.0 74.2 111.2#

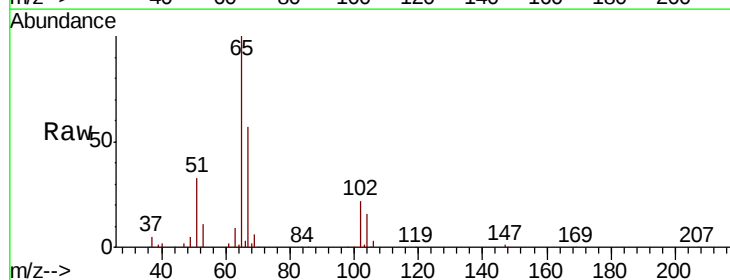


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

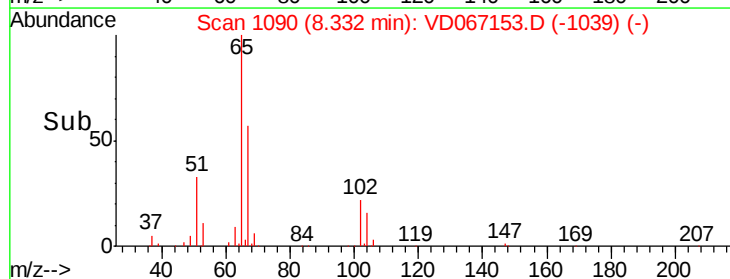
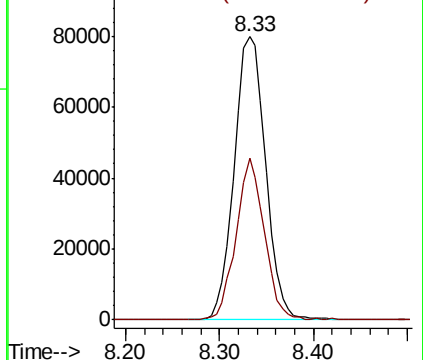


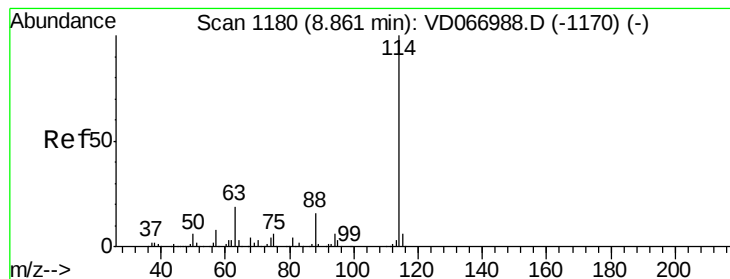
#33
1,2-Dichloroethane-d4
Concen: 49.373 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067153.D
Acq: 07 Oct 2020 15:34

Tgt Ion: 65 Resp: 184928
Ion Ratio Lower Upper
65 100
67 51.4 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: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067153.D

Acq: 07 Oct 2020 15:34

Instrument :

MSVOA_D

ClientSampleId :

SB-8A

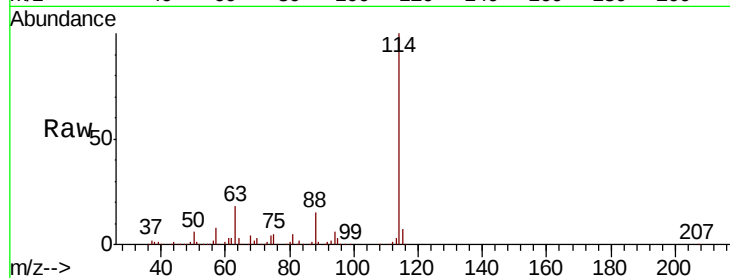
Tot Ion:114 Resp: 619693

Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.4

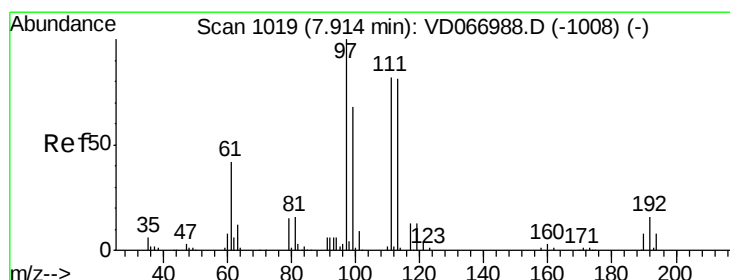
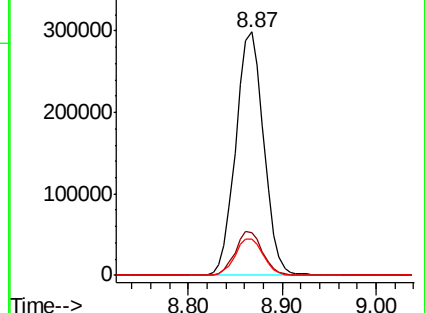
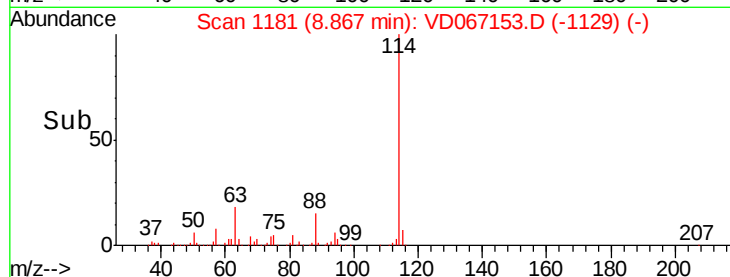
88 15.1 0.0 31.2



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: 48.613 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067153.D

Acq: 07 Oct 2020 15:34

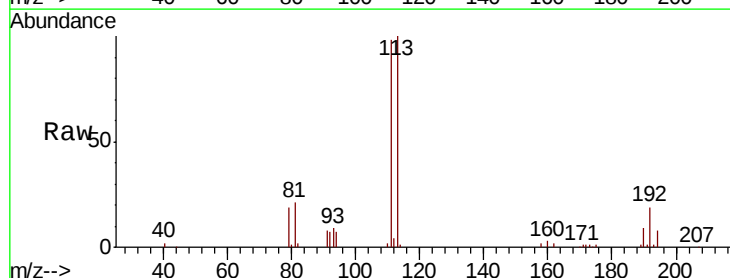
Tgt Ion:113 Resp: 197225

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.4

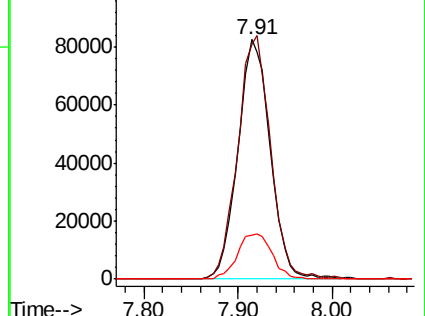
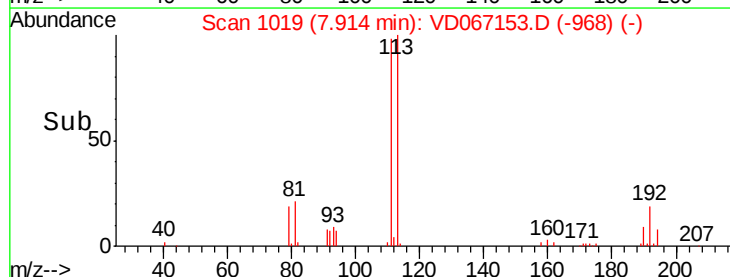
192 20.2 15.5 23.3

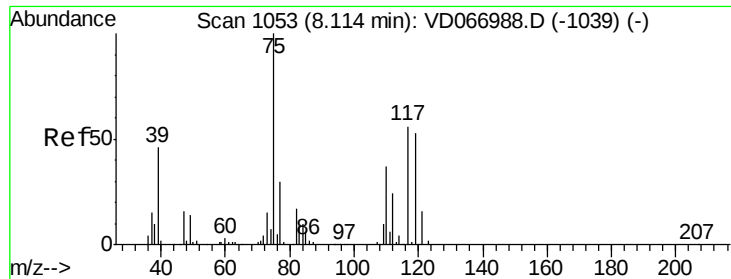


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.949 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067153.D

Acq: 07 Oct 2020 15:34

Instrument :

MSVOA_D

ClientSampleId :

SB-8A

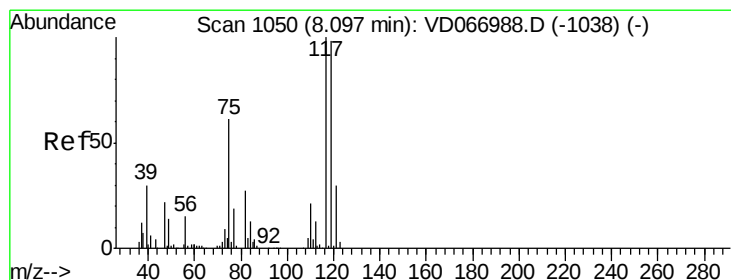
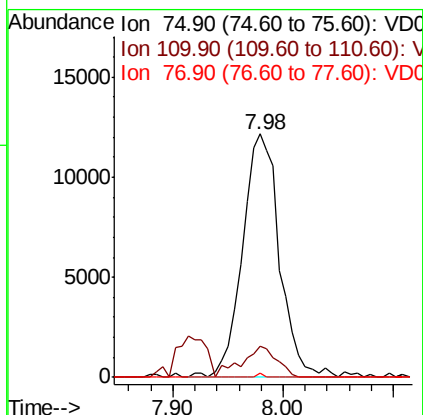
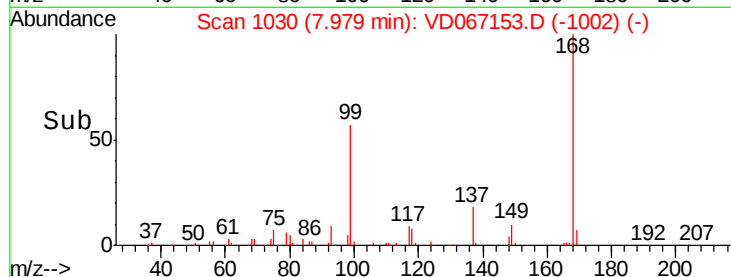
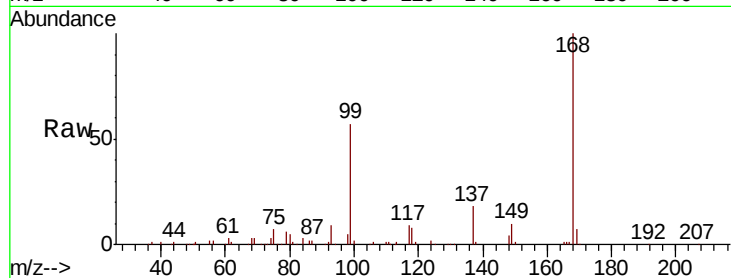
Tot Ion: 75 Resp: 28589

Ion Ratio Lower Upper

75 100

110 11.1 18.4 55.0#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.336 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067153.D

Acq: 07 Oct 2020 15:34

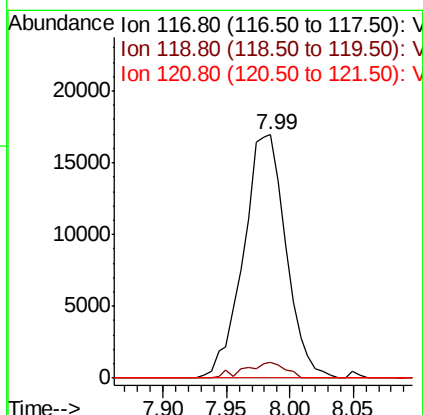
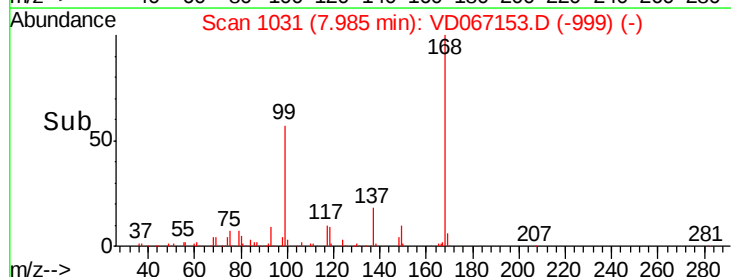
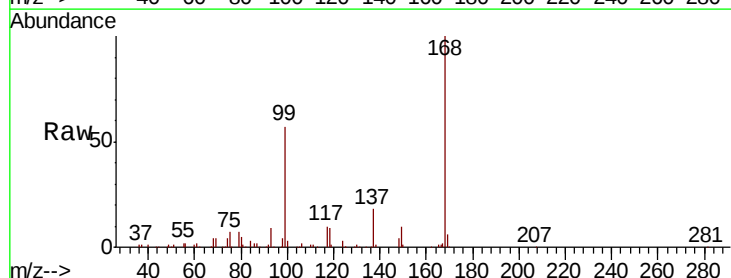
Tgt Ion: 117 Resp: 39601

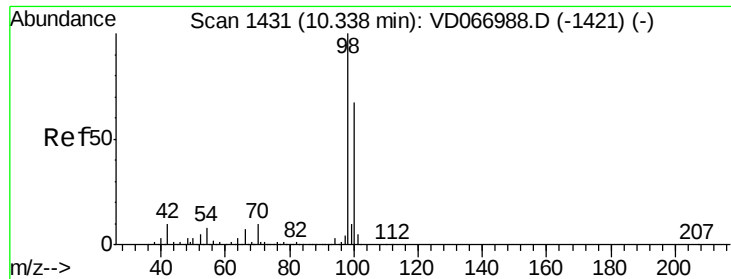
Ion Ratio Lower Upper

117 100

119 6.3 78.7 118.1#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 48.513 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067153.D

Acq: 07 Oct 2020 15:34

Instrument :

MSVOA_D

ClientSampleId :

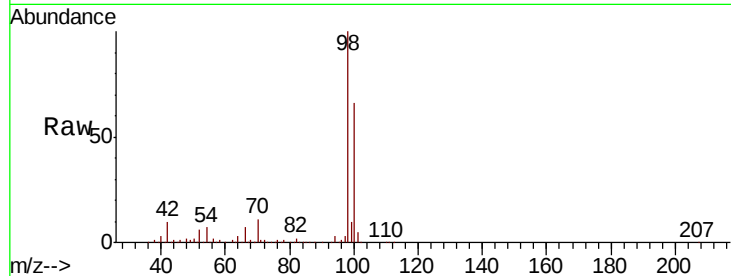
SB-8A

Tot Ion: 98 Resp: 717175

Ion Ratio Lower Upper

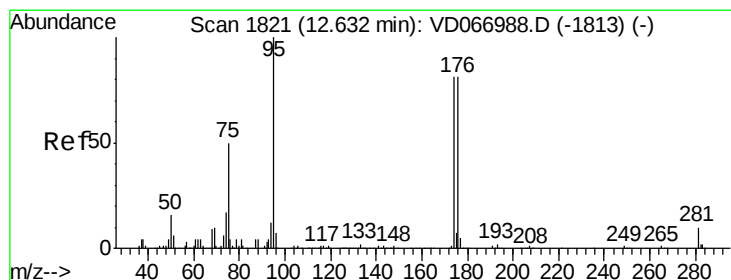
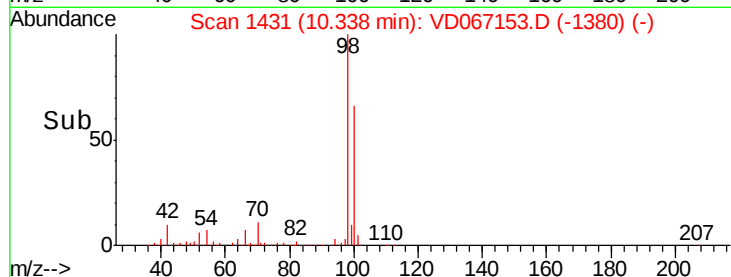
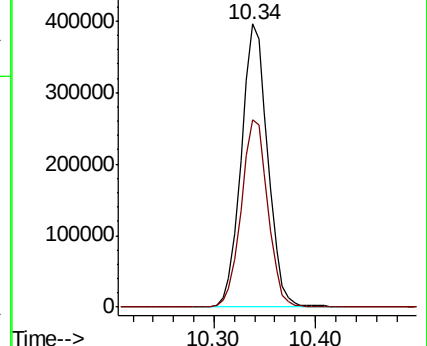
98 100

100 66.3 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: 47.666 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067153.D

Acq: 07 Oct 2020 15:34

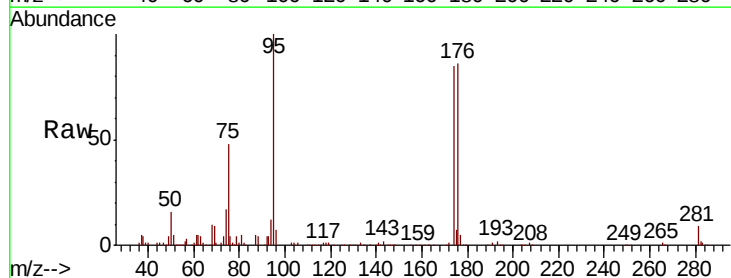
Tgt Ion: 95 Resp: 239214

Ion Ratio Lower Upper

95 100

174 85.7 0.0 167.6

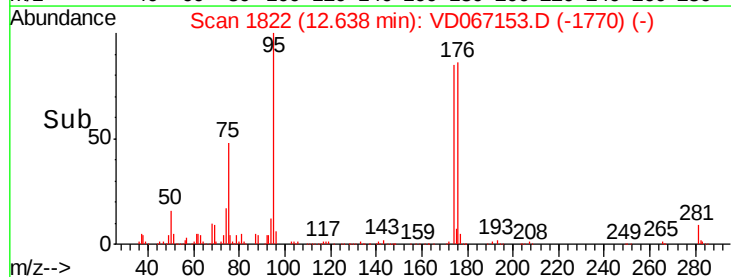
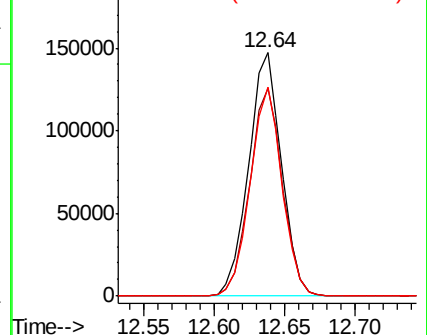
176 83.5 0.0 162.4

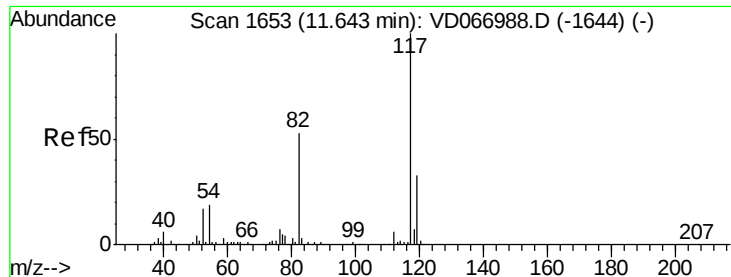


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

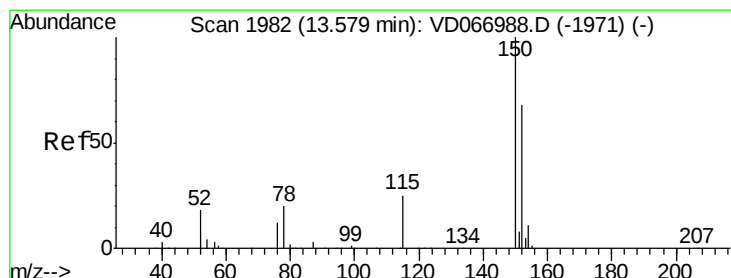
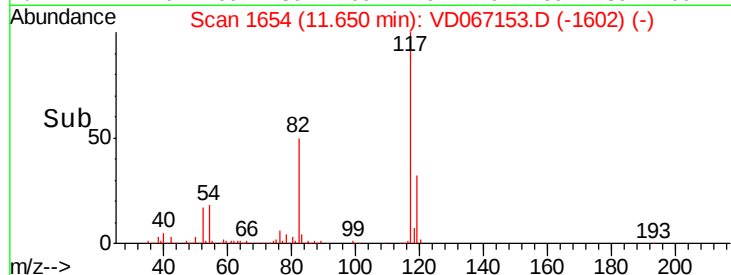
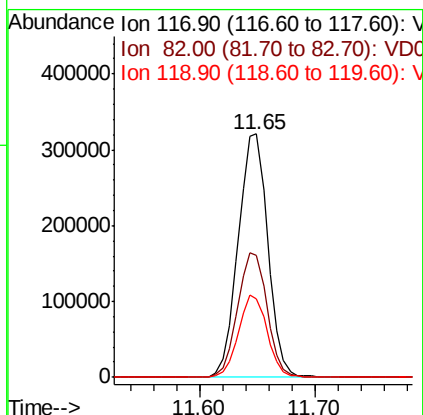
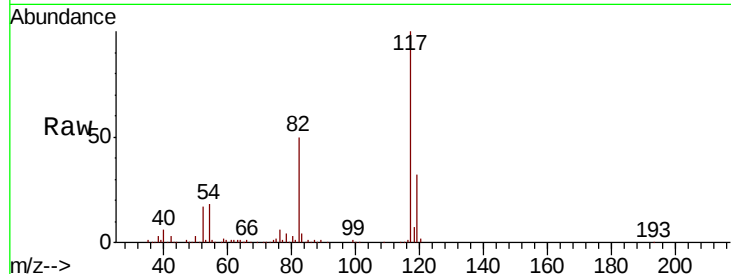




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067153.D
Acq: 07 Oct 2020 15:34

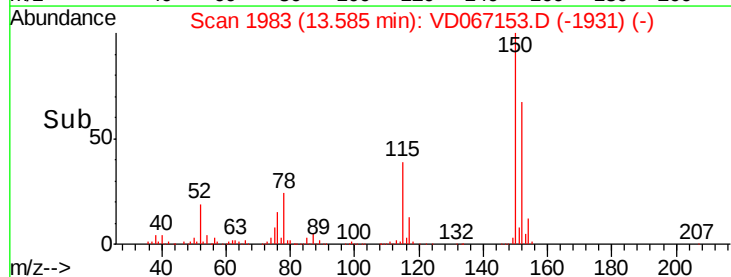
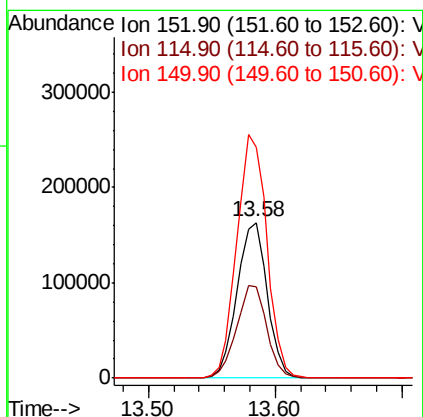
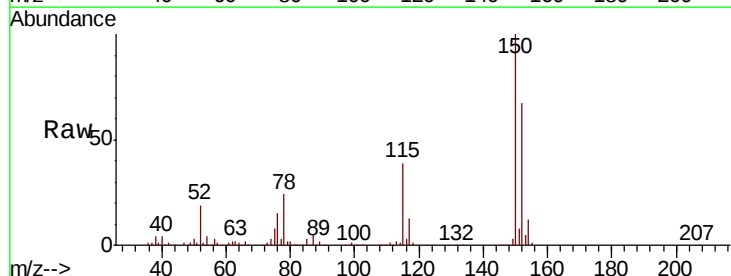
Instrument :
MSVOA_D
ClientSampleId :
SB-8A

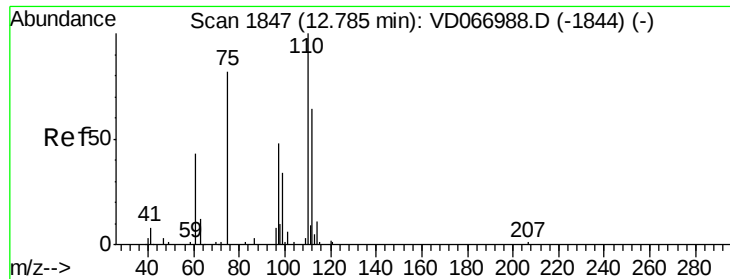
Tot Ion:117 Resp: 572669
Ion Ratio Lower Upper
117 100
82 49.9 42.6 63.8
119 32.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067153.D
Acq: 07 Oct 2020 15:34

Tgt Ion:152 Resp: 267805
Ion Ratio Lower Upper
152 100
115 59.5 29.6 88.8
150 156.8 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 52.359 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067153.D

Acq: 07 Oct 2020 15:34

Instrument :

MSVOA_D

ClientSampleId :

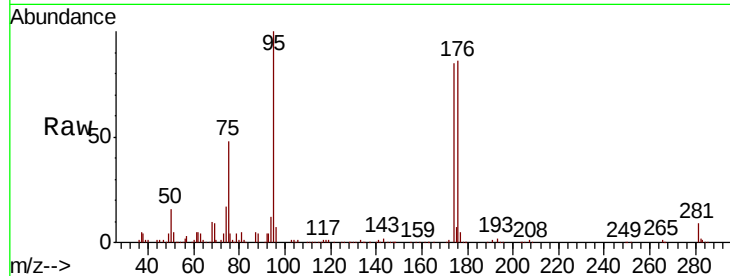
SB-8A

Tot Ion: 75 Resp: 122136

Ion Ratio Lower Upper

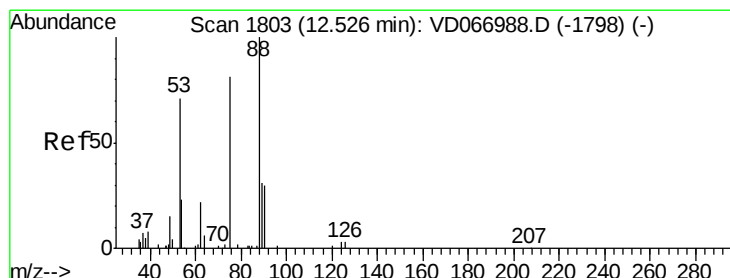
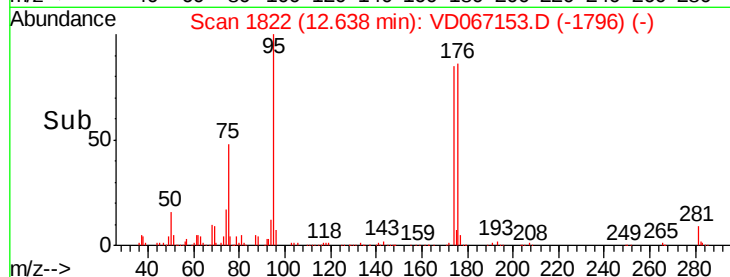
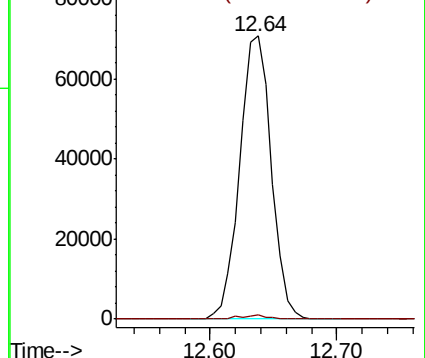
75 100

77 1.2 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: 130.537 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067153.D

Acq: 07 Oct 2020 15:34

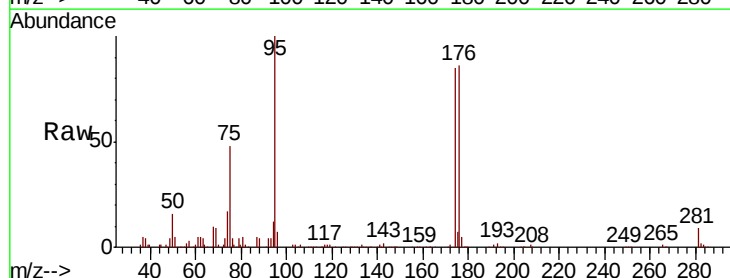
Tgt Ion: 75 Resp: 122136

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.1 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

