

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067477.D
 Acq On : 30 Oct 2020 17:32
 Operator : VA/SY
 Sample : L4217-07
 Misc : 7.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-102820

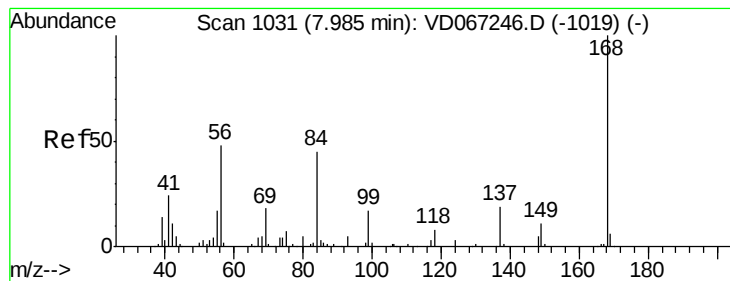
Quant Time: Oct 31 07:28:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	352850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	556318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	540818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	277287	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	173692	49.13	ug/l	0.00
Spiked Amount						
			Recovery	=	98.26%	
35) Dibromofluoromethane	7.92	113	176479	47.67	ug/l	0.00
Spiked Amount						
			Recovery	=	95.34%	
50) Toluene-d8	10.34	98	651592	48.63	ug/l	0.00
Spiked Amount						
			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.64	95	237977	51.08	ug/l	0.00
Spiked Amount						
			Recovery	=	102.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2130	Below Cal		90
5) Bromomethane	2.78	94	1367	Below Cal		99
11) Tert butyl alcohol	5.24	59	72	Below Cal	#	81
12) 1,1-Dichloroethene	4.09	96	2969	1.020	ug/l #	48
16) Acetone	4.17	43	2068	4.177	ug/l #	82
20) Methylene Chloride	4.97	84	8648	Below Cal	#	82
29) Tetrahydrofuran	7.56	42	1284	4.093	ug/l #	79
31) Cyclohexane	7.98	56	9257	2.274	ug/l #	55
76) 1,2,3-Trichloropropane	12.64	75	123877	64.457	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	123877	146.169	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067477.D

Acq: 30 Oct 2020 17:32

Instrument :

MSVOA_D

ClientSampleId :

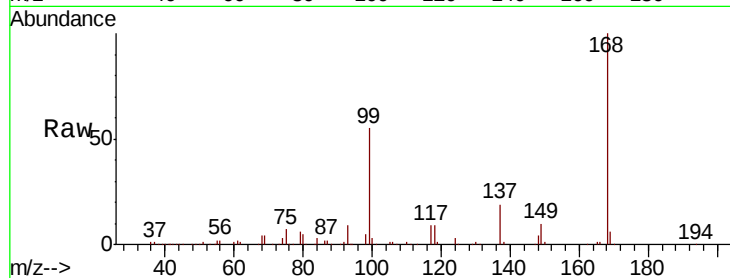
HR-01-102820

Tot Ion:168 Resp: 352850

Ion Ratio Lower Upper

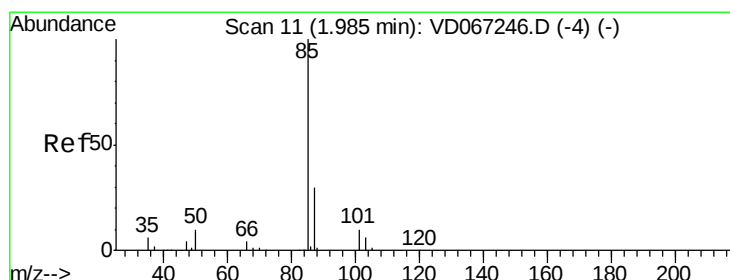
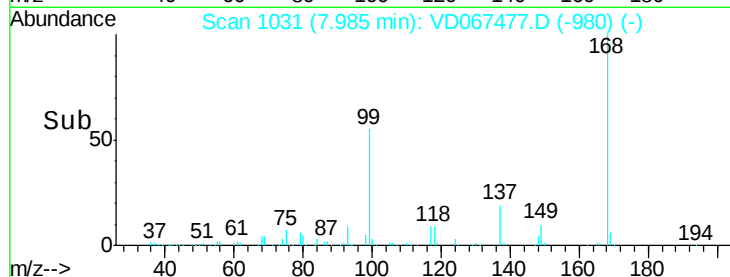
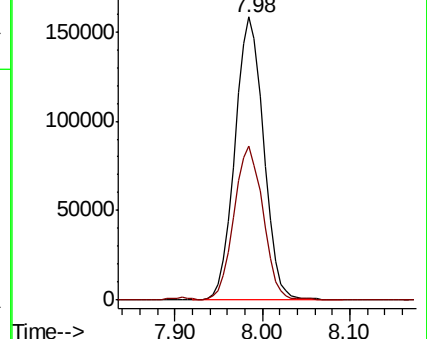
168 100

99 54.4 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067477.D

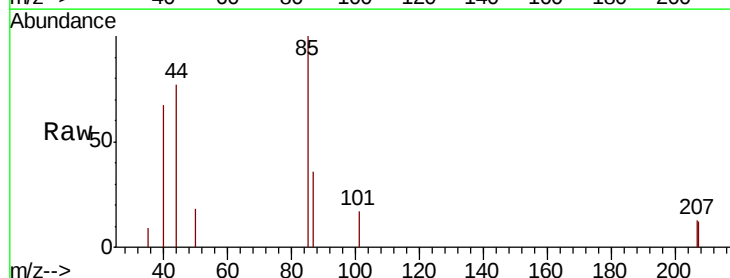
Acq: 30 Oct 2020 17:32

Tgt Ion: 85 Resp: 2130

Ion Ratio Lower Upper

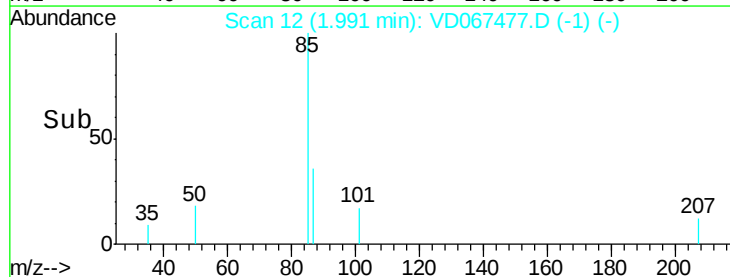
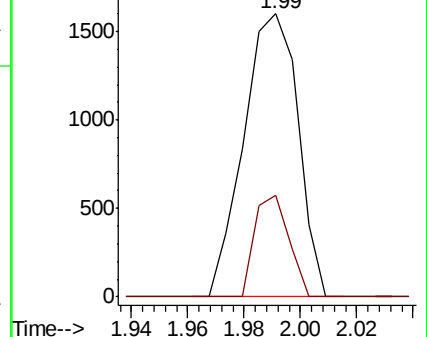
85 100

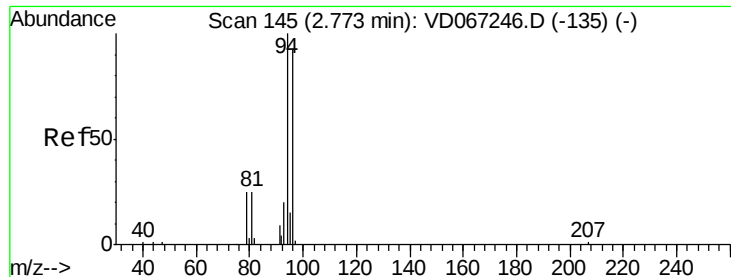
87 35.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067477.D

Acq: 30 Oct 2020 17:32

Instrument :

MSVOA_D

ClientSampleId :

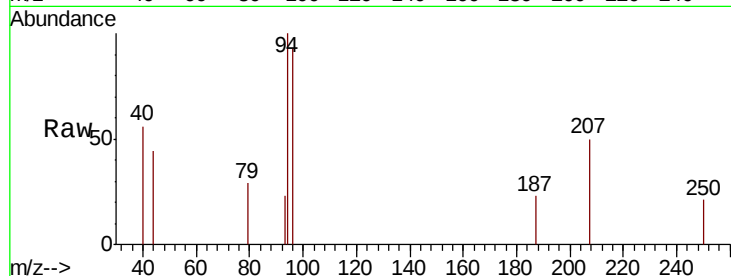
HR-01-102820

Tot Ion: 94 Resp: 1367

Ion Ratio Lower Upper

94 100

96 93.3 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

800

600

400

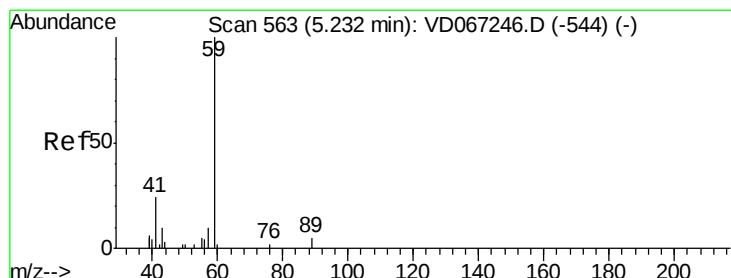
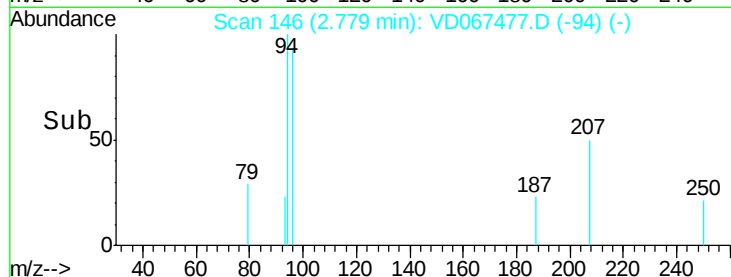
200

0

2.75

2.80

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 565

Delta R.T. 0.01 min

Lab File: VD067477.D

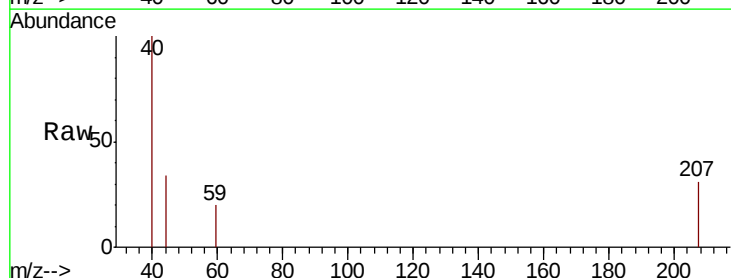
Acq: 30 Oct 2020 17:32

Tgt Ion: 59 Resp: 72

Ion Ratio Lower Upper

59 100

57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

200

150

100

50

0

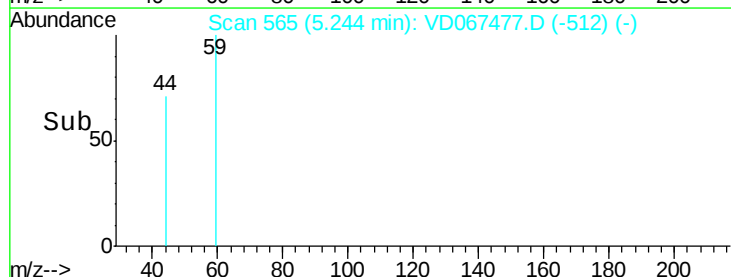
5.23

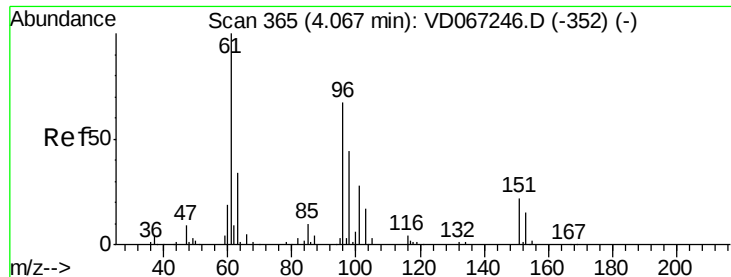
5.24

5.25

5.26

Time-->





#12

1,1-Dichloroethene

Concen: 1.020 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.02 min

Lab File: VD067477.D

Acq: 30 Oct 2020 17:32

Instrument :

MSVOA_D

ClientSampleId :

HR-01-102820

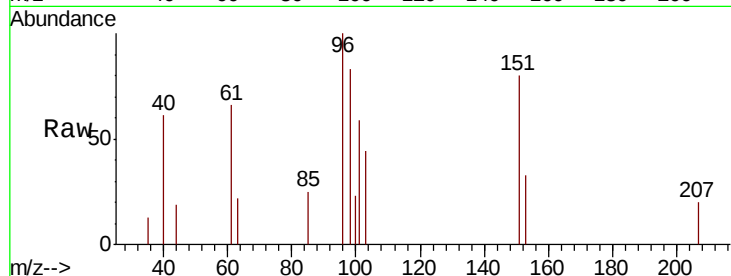
Tot Ion: 96 Resp: 2969

Ion Ratio Lower Upper

96 100

61 66.4 118.6 177.8#

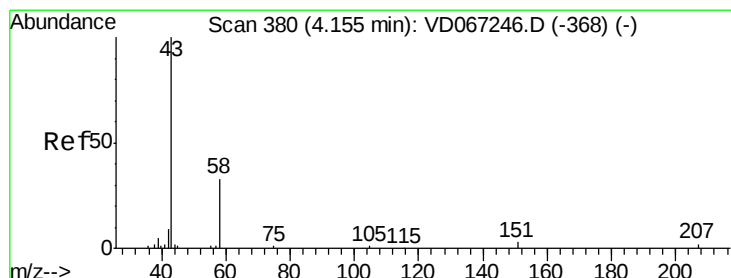
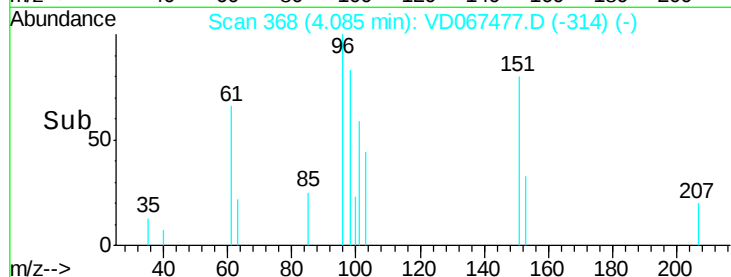
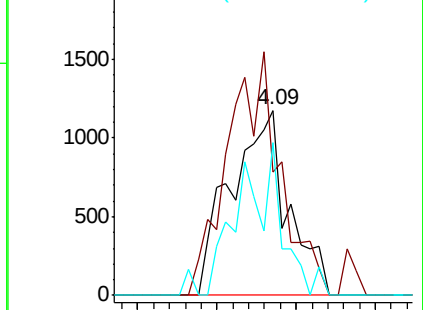
98 82.6 51.8 77.6#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#16

Acetone

Concen: 4.177 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD067477.D

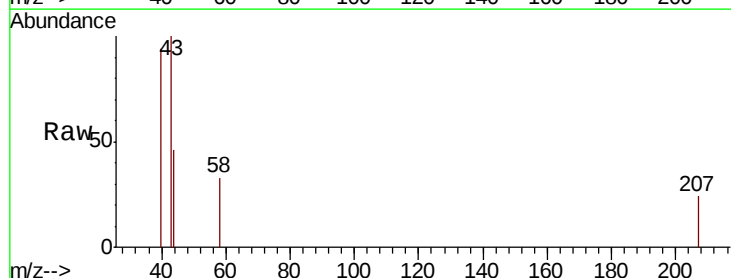
Acq: 30 Oct 2020 17:32

Tgt Ion: 43 Resp: 2068

Ion Ratio Lower Upper

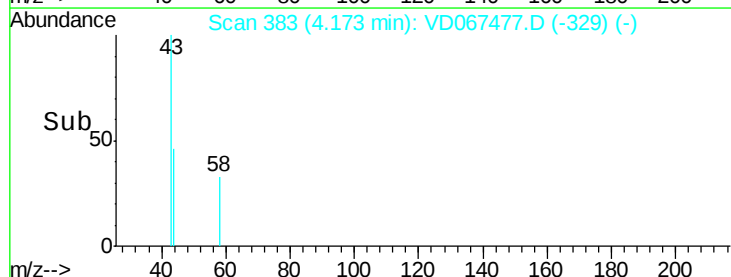
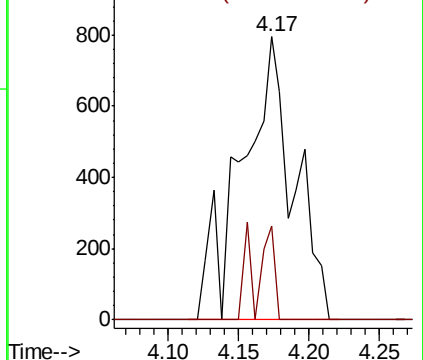
43 100

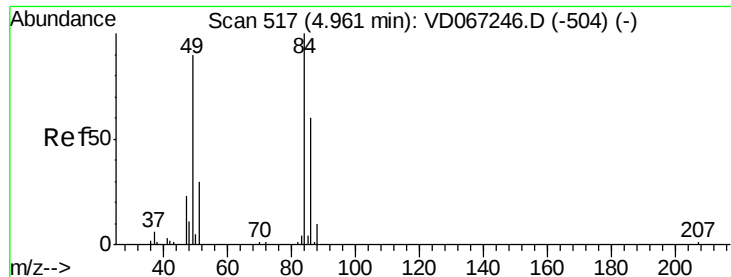
58 22.6 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

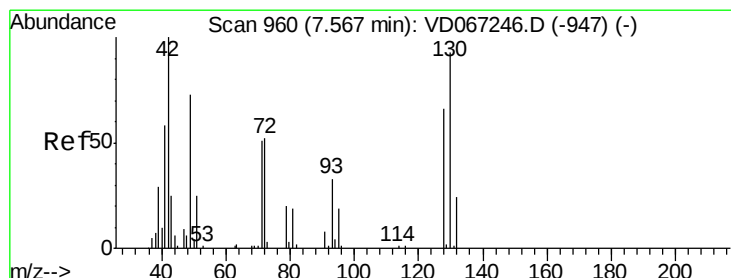
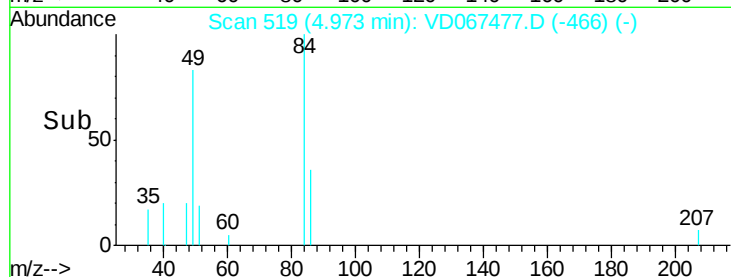
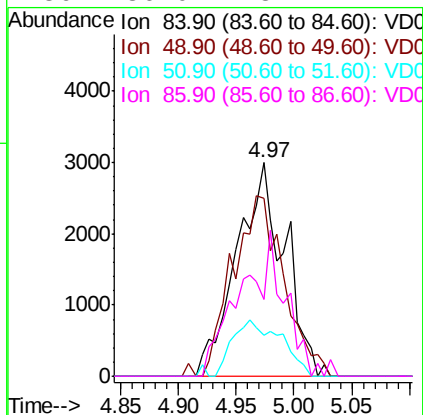
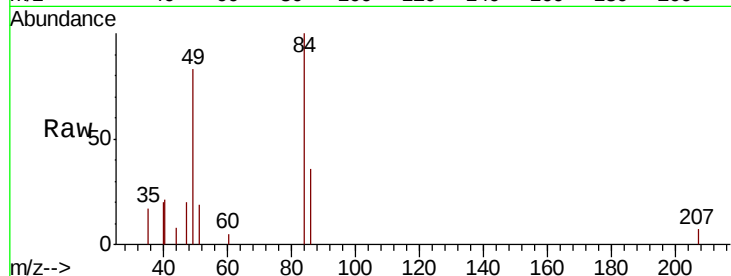




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067477.D
Acq: 30 Oct 2020 17:32

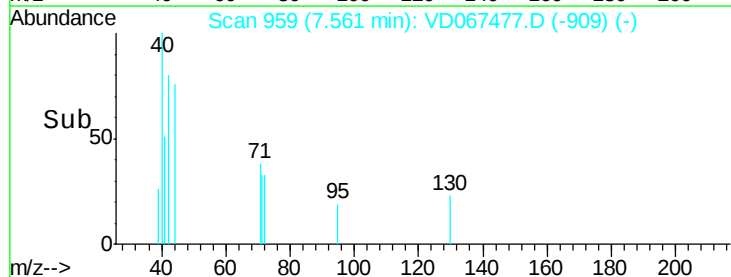
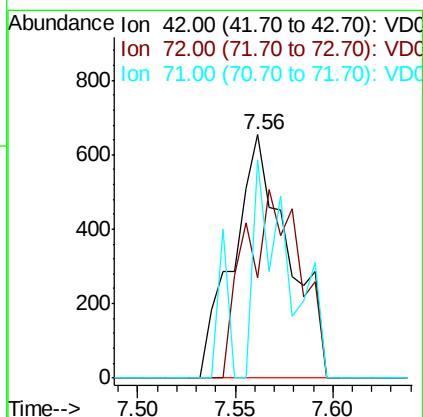
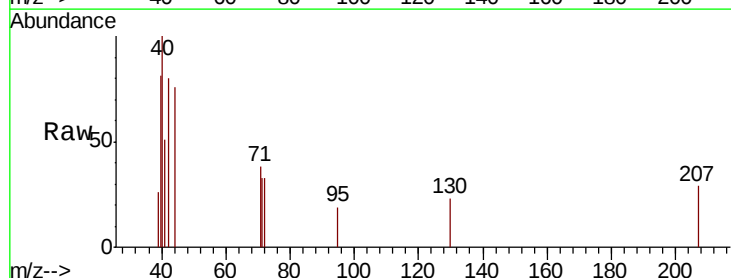
Instrument :
MSVOA_D
ClientSampleId :
HR-01-102820

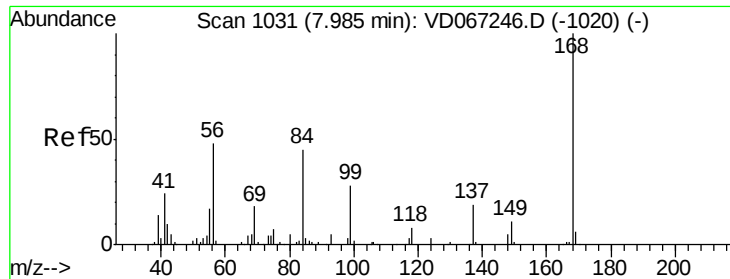
Tot Ion: 84 Resp: 8648
Ion Ratio Lower Upper
84 100
49 83.1 72.2 108.2
51 19.1 23.8 35.8#
86 36.0 48.2 72.4#



#29
Tetrahydrofuran
Concen: 4.093 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067477.D
Acq: 30 Oct 2020 17:32

Tgt Ion: 42 Resp: 1284
Ion Ratio Lower Upper
42 100
72 76.5 43.2 64.8#
71 56.2 39.4 59.0

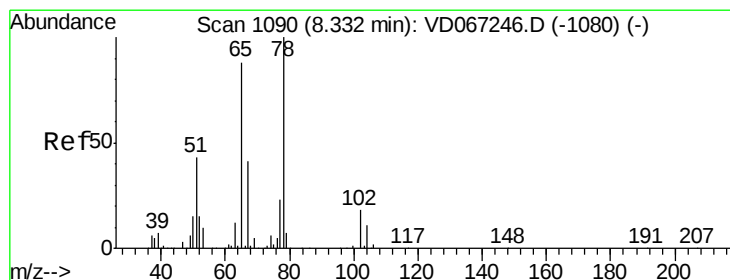
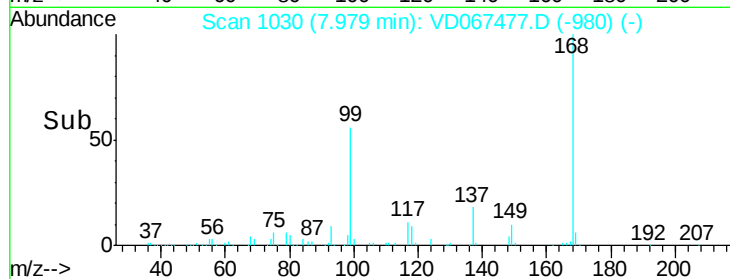
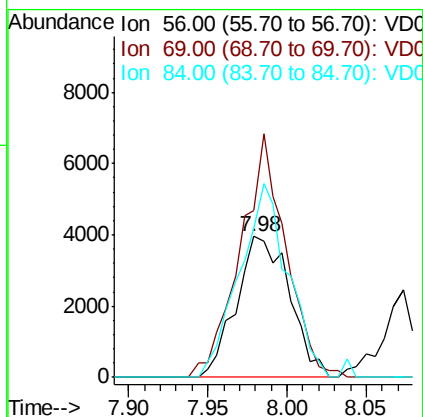
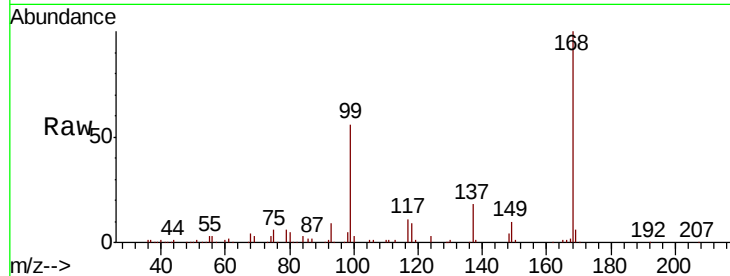




#31
Cyclohexane
Concen: 2.274 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067477.D
Acq: 30 Oct 2020 17:32

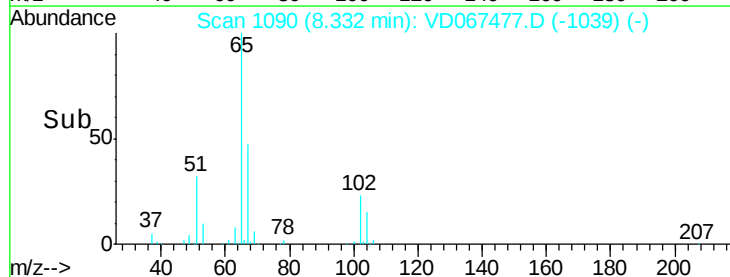
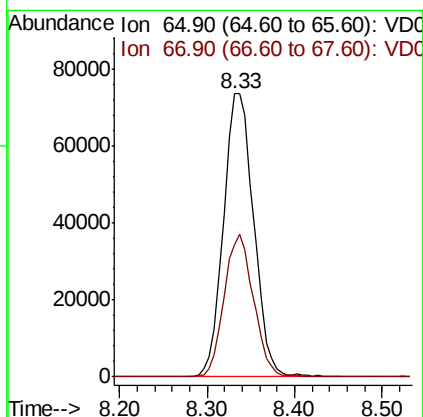
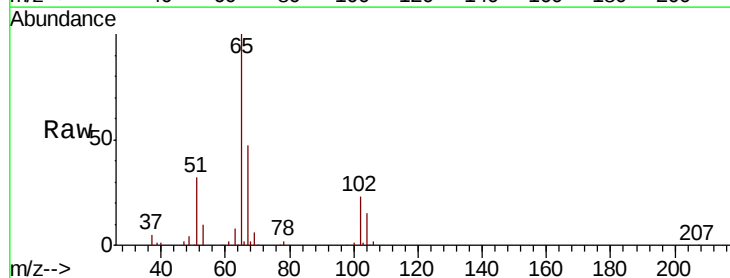
Instrument :
MSVOA_D
ClientSampleId :
HR-01-102820

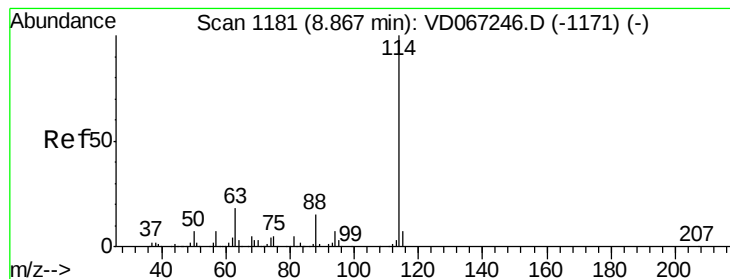
Tot Ion: 56 Resp: 9257
Ion Ratio Lower Upper
56 100
69 118.1 29.8 44.6#
84 105.6 76.6 114.8



#33
1,2-Dichloroethane-d4
Concen: 49.135 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067477.D
Acq: 30 Oct 2020 17:32

Tgt Ion: 65 Resp: 173692
Ion Ratio Lower Upper
65 100
67 48.9 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067477.D

Acq: 30 Oct 2020 17:32

Instrument :

MSVOA_D

ClientSampleId :

HR-01-102820

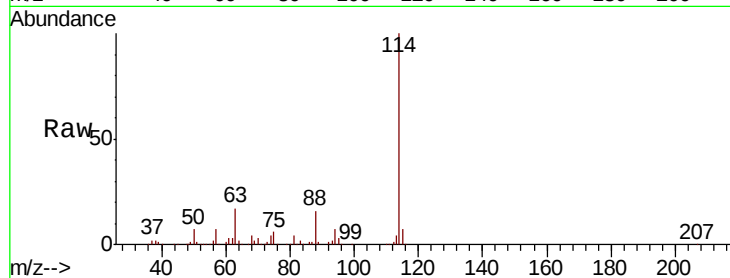
Tot Ion:114 Resp: 556318

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

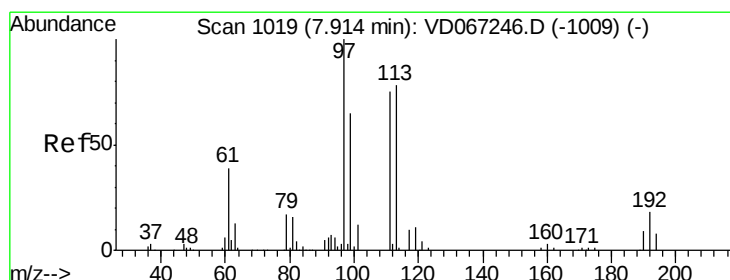
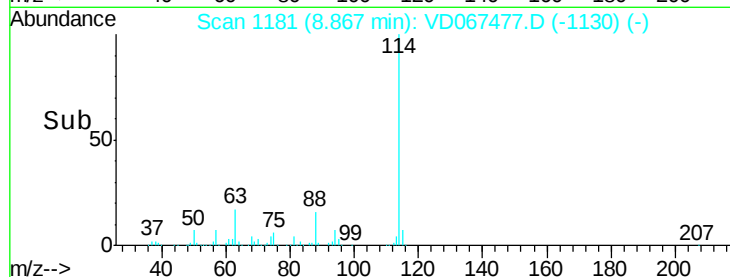
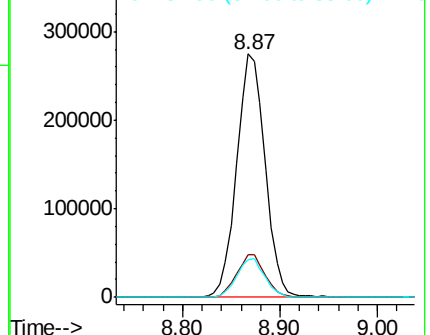
88 15.5 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 47.667 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067477.D

Acq: 30 Oct 2020 17:32

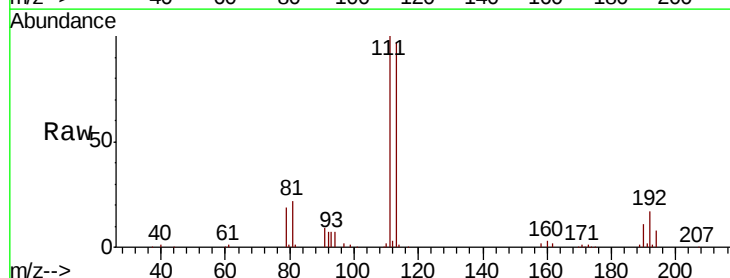
Tgt Ion:113 Resp: 176479

Ion Ratio Lower Upper

113 100

111 104.3 81.6 122.4

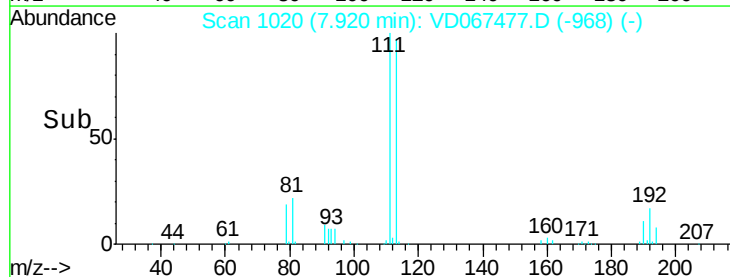
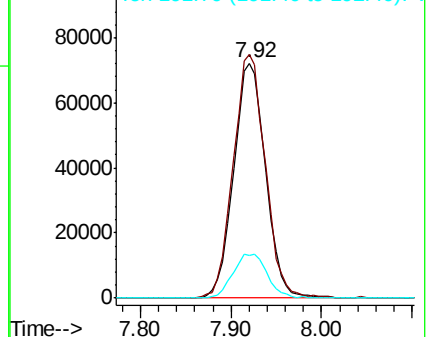
192 20.0 17.0 25.4

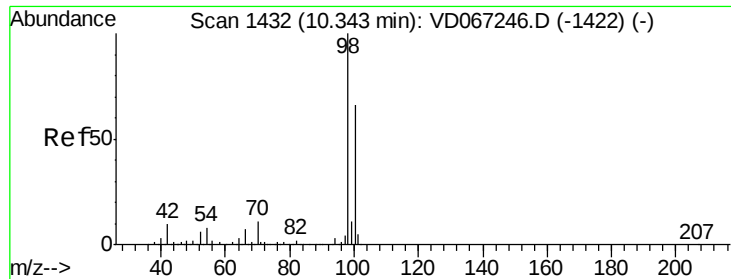


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.632 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067477.D

Acq: 30 Oct 2020 17:32

Instrument :

MSVOA_D

ClientSampleId :

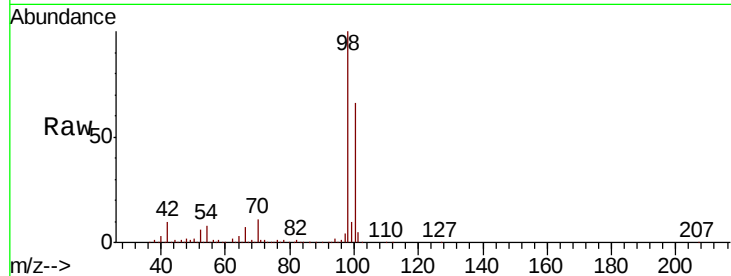
HR-01-102820

Tot Ion: 98 Resp: 651592

Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

400000

300000

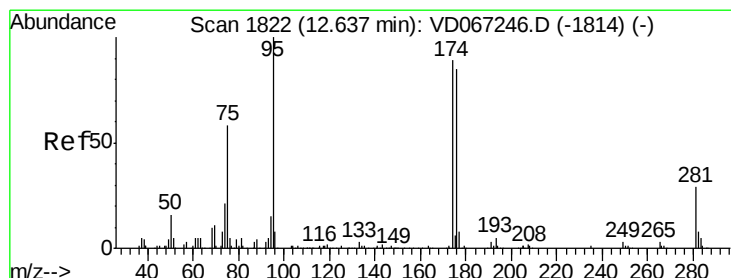
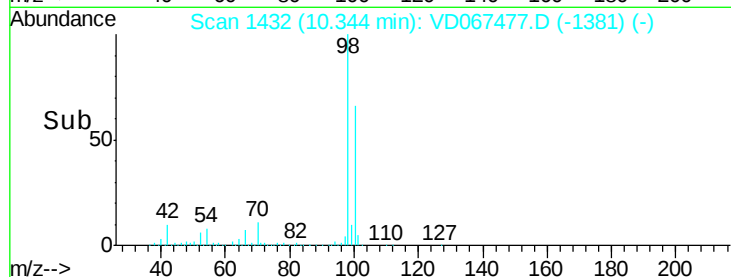
200000

100000

0

Time-->

10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 51.080 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067477.D

Acq: 30 Oct 2020 17:32

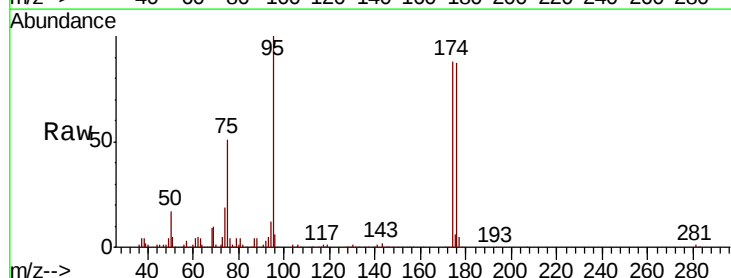
Tgt Ion: 95 Resp: 237977

Ion Ratio Lower Upper

95 100

174 89.6 0.0 175.2

176 87.5 0.0 168.6



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

12.64

200000

150000

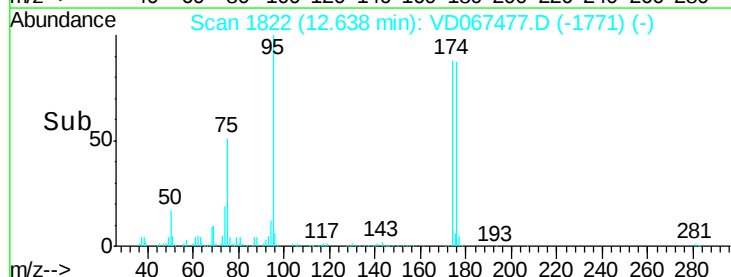
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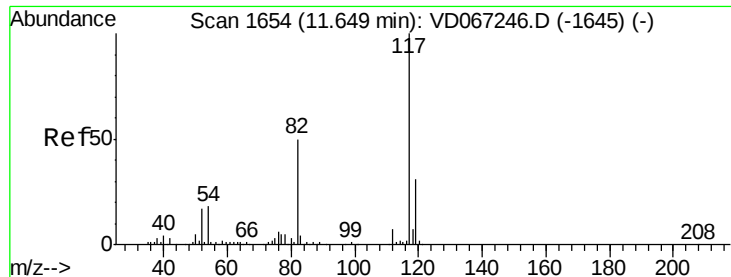
50000

0

Time-->

12.60 12.70

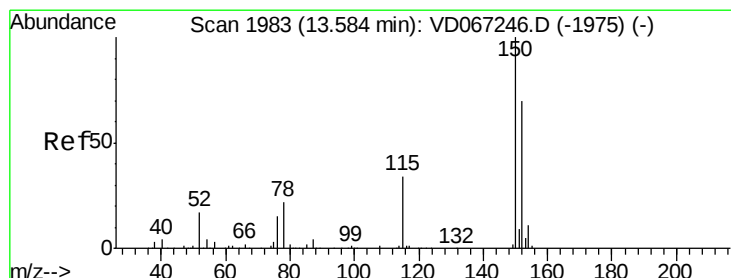
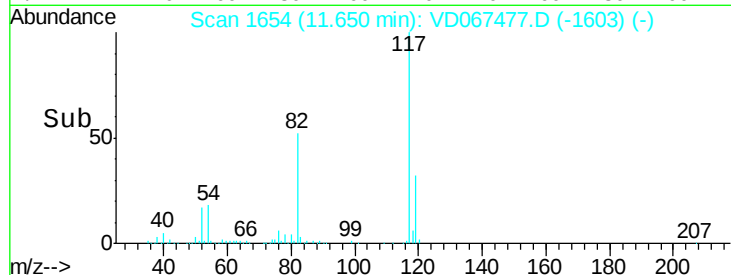
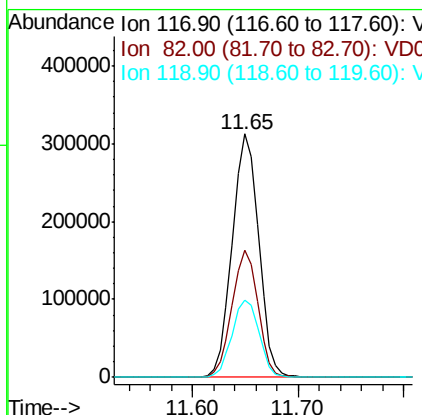
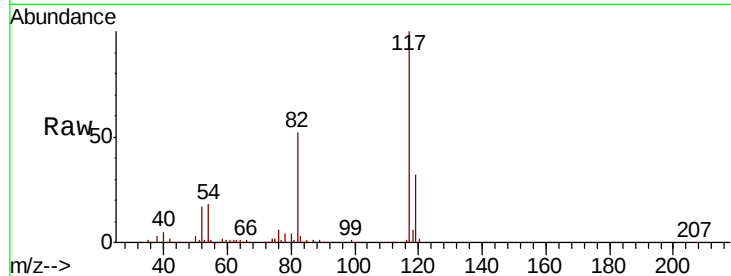




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067477.D
Acq: 30 Oct 2020 17:32

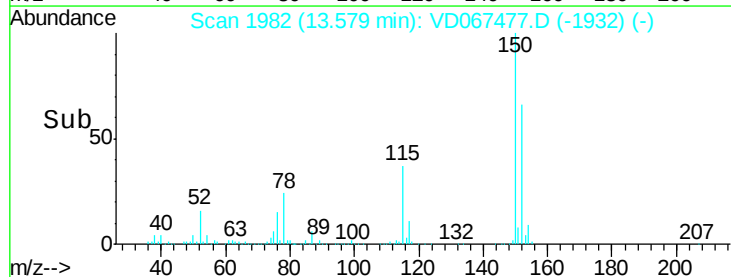
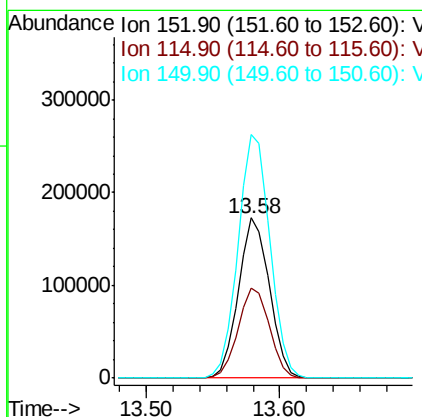
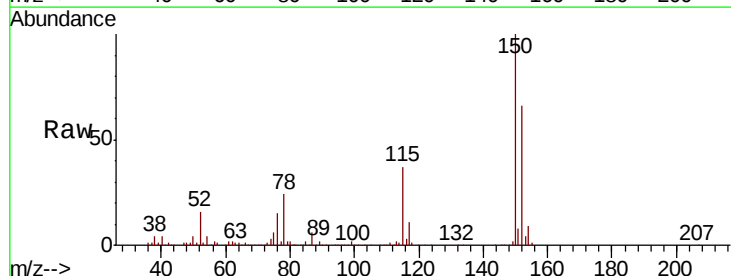
Instrument :
MSVOA_D
ClientSampleId :
HR-01-102820

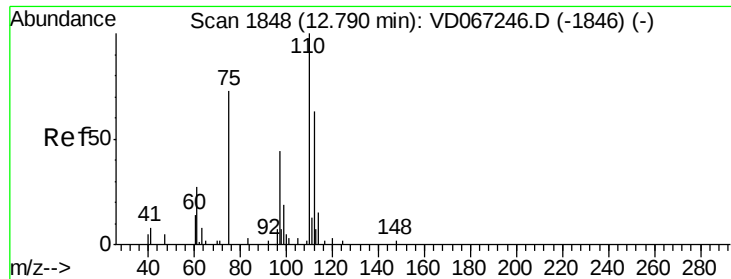
Tot Ion:117 Resp: 540818
Ion Ratio Lower Upper
117 100
82 52.2 39.9 59.9
119 31.9 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067477.D
Acq: 30 Oct 2020 17:32

Tgt Ion:152 Resp: 277287
Ion Ratio Lower Upper
152 100
115 56.8 29.3 87.9
150 156.4 0.0 339.0

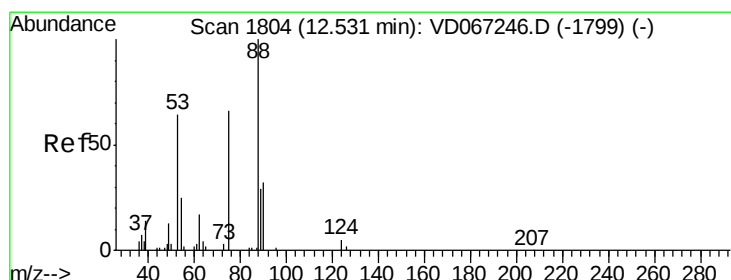
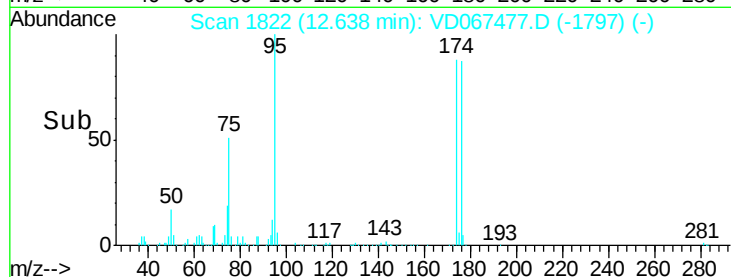
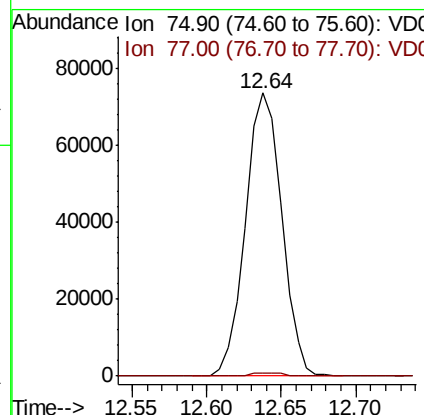
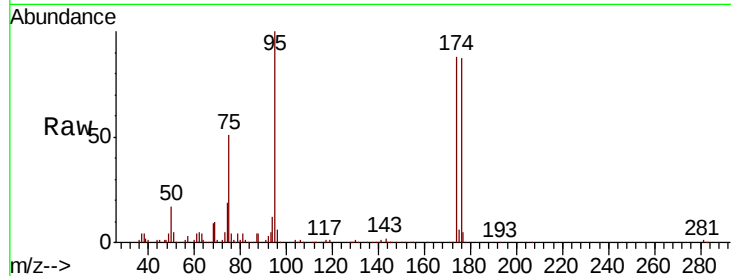




#76
 1,2,3-Trichloropropane
 Concen: 64.457 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067477.D
 Acq: 30 Oct 2020 17:32

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-102820

Tot Ion: 75 Resp: 123877
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.169 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067477.D
 Acq: 30 Oct 2020 17:32

Tgt Ion: 75 Resp: 123877
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 39.9 59.9#

