

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067142.D
 Acq On : 07 Oct 2020 10:31
 Operator : VA/SY
 Sample : VD1007SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBL01

Quant Time: Oct 08 07:20:52 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	437702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	702780	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	657086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311704	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	219452	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
35) Dibromofluoromethane	7.91	113	231066	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	10.34	98	821550	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.64	95	277853	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	

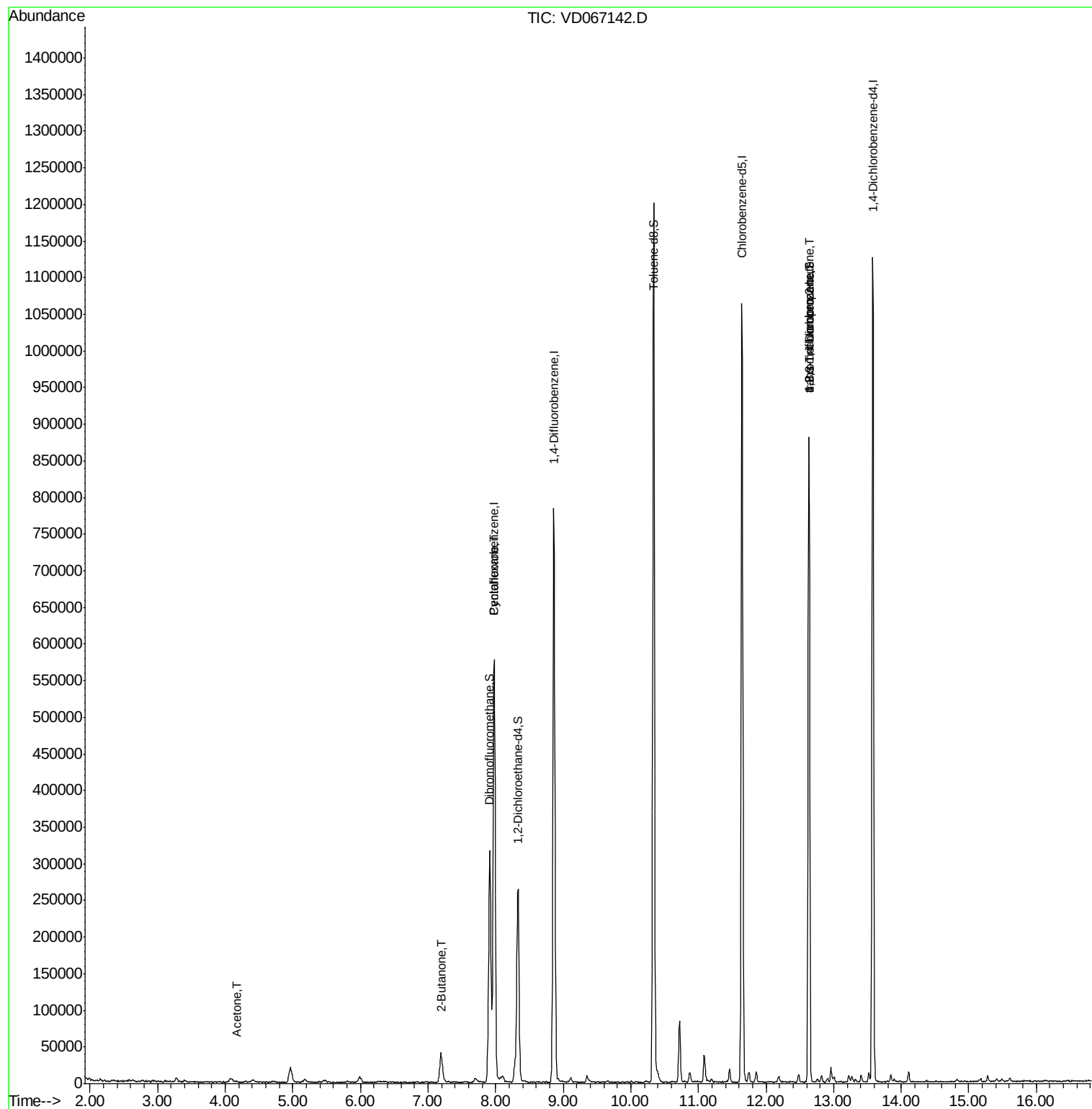
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2909	Below Cal		94
5) Bromomethane	2.79	94	1322	Below Cal		83
11) Tert butyl alcohol	5.19	59	3227	Below Cal	#	72
16) Acetone	4.17	43	1866	2.899	ug/l #	42
20) Methylene Chloride	4.97	84	15383	Below Cal	#	89
25) 2-Butanone	7.20	43	1889	2.070	ug/l #	46
26) 2,2-Dichloropropane	7.21	77	5170	Below Cal	#	53
31) Cyclohexane	7.98	56	10866	1.716	ug/l #	32
76) 1,2,3-Trichloropropane	12.64	75	138011	50.832	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	138011	126.730	ug/l #	12

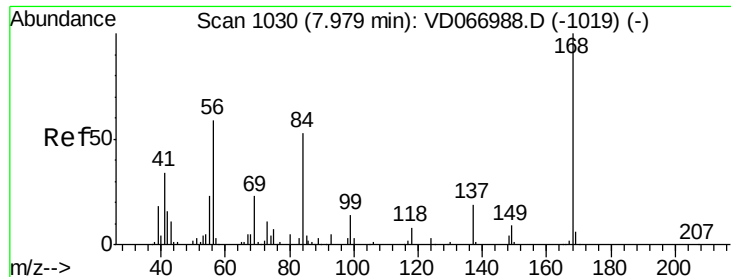
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100720\
Data File : VD067142.D
Acq On : 07 Oct 2020 10:31
Operator : VA/SY
Sample : VD1007SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBL01

Quant Time: Oct 08 07:20:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
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: VD067142.D

Acq: 07 Oct 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

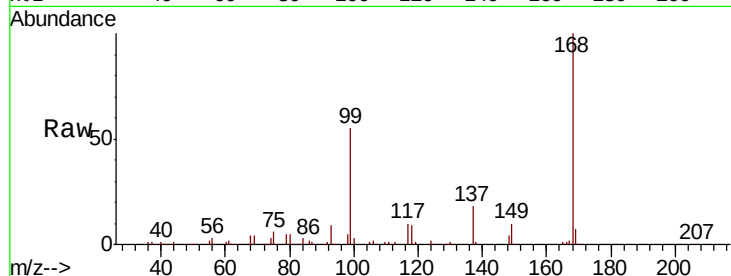
VD1007SBL01

Tot Ion:168 Resp: 437702

Ion Ratio Lower Upper

168 100

99 54.7 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

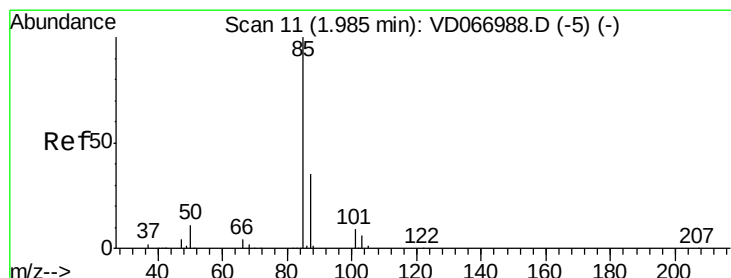
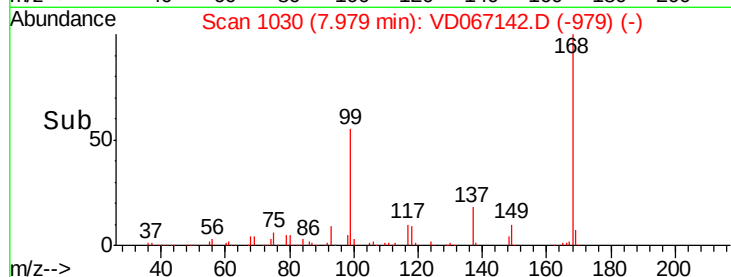
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067142.D

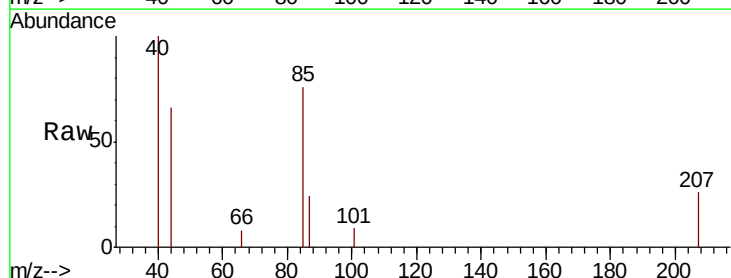
Acq: 07 Oct 2020 10:31

Tgt Ion: 85 Resp: 2909

Ion Ratio Lower Upper

85 100

87 31.1 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

2000

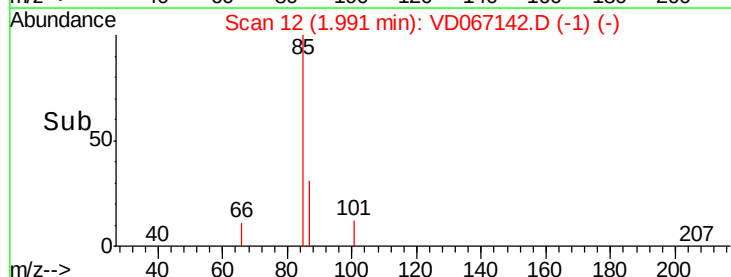
1500

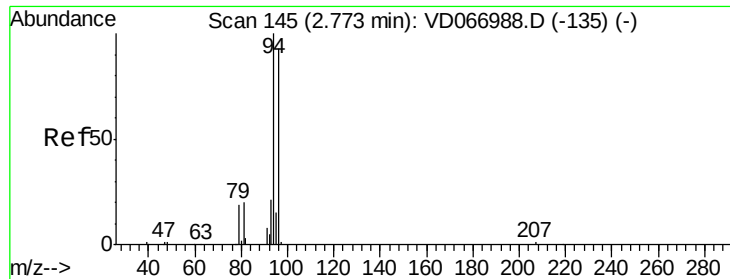
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067142.D

Acq: 07 Oct 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

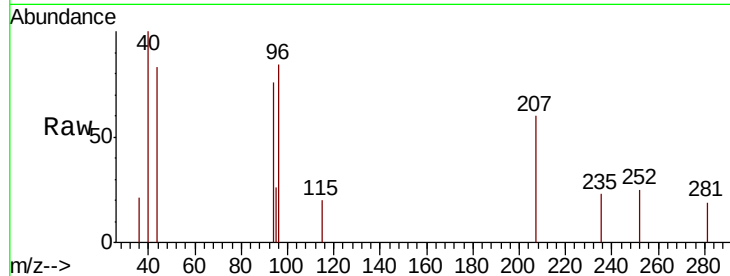
VD1007SBL01

Tot Ion: 94 Resp: 1322

Ion Ratio Lower Upper

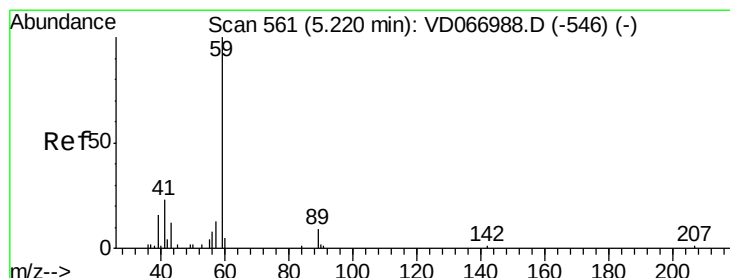
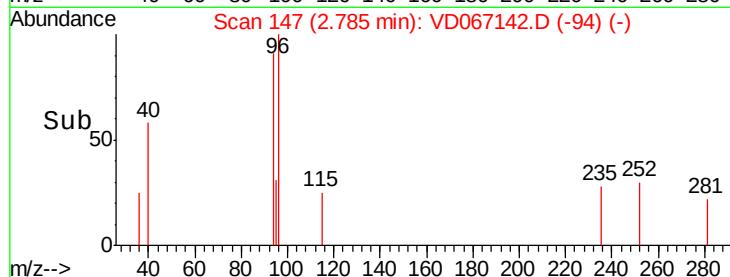
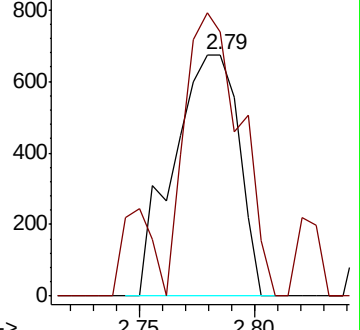
94 100

96 109.3 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: 5.19 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD067142.D

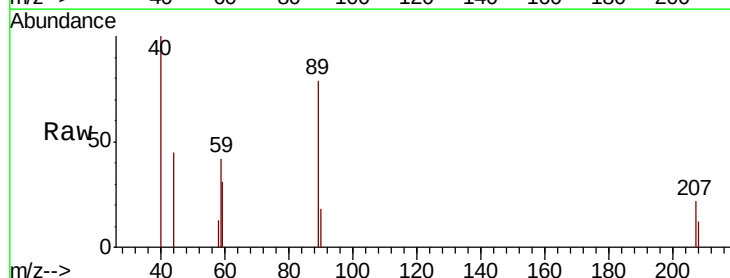
Acq: 07 Oct 2020 10:31

Tgt Ion: 59 Resp: 3227

Ion Ratio Lower Upper

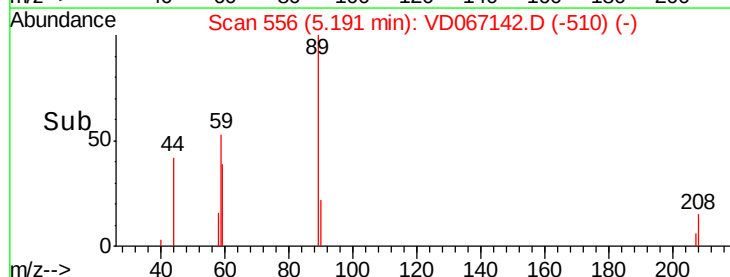
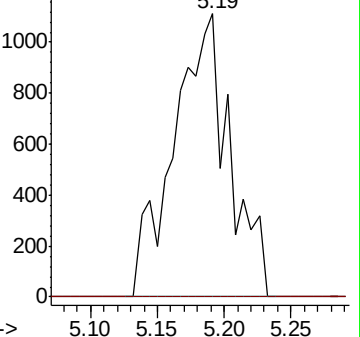
59 100

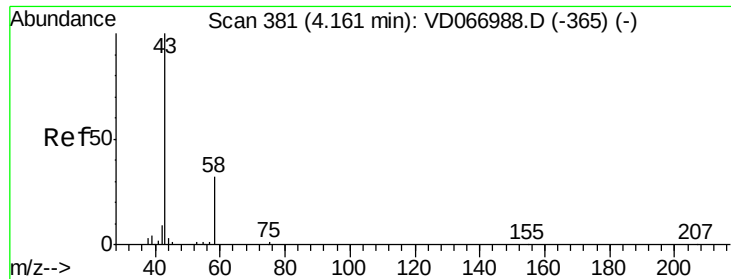
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

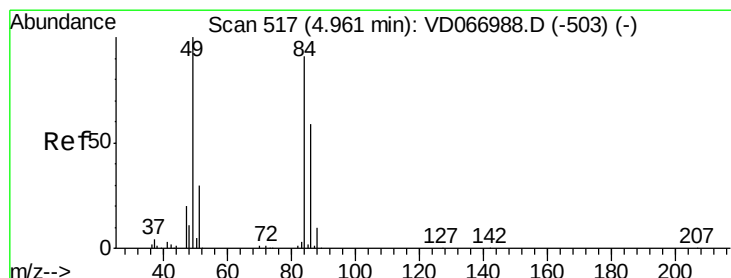
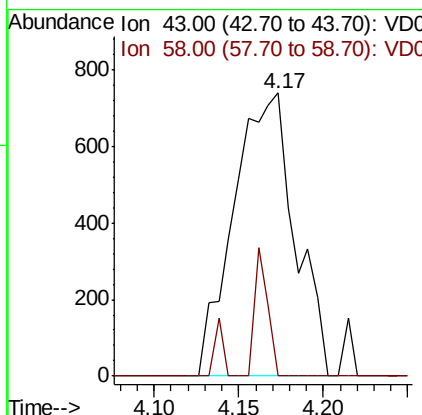
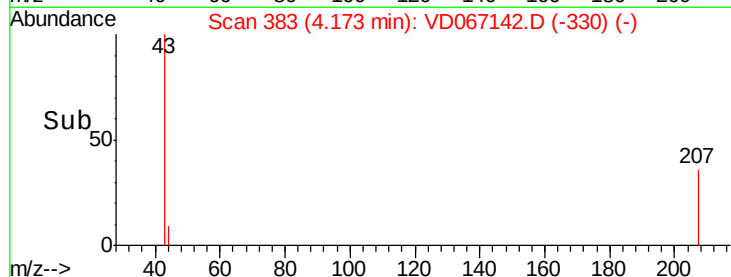
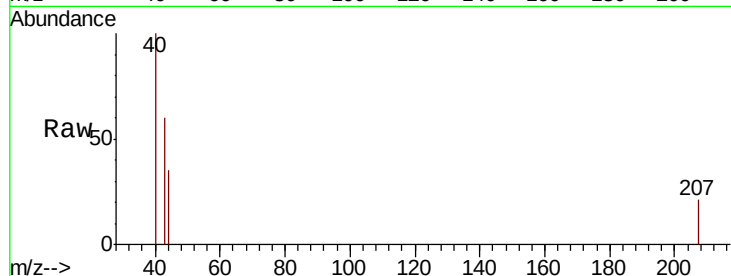




#16
Acetone
Concen: 2.899 ug/l
RT: 4.17 min Scan# 383
Delta R.T. 0.01 min
Lab File: VD067142.D
Acq: 07 Oct 2020 10:31

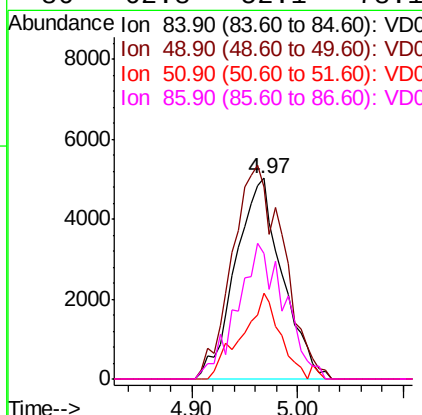
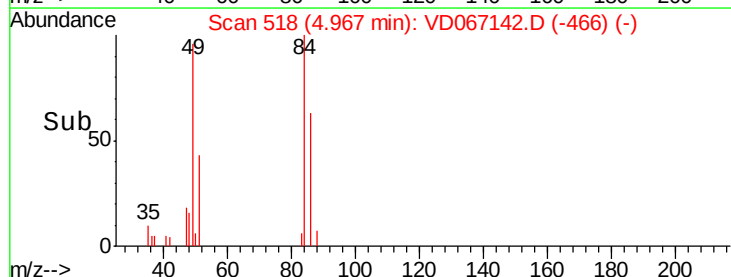
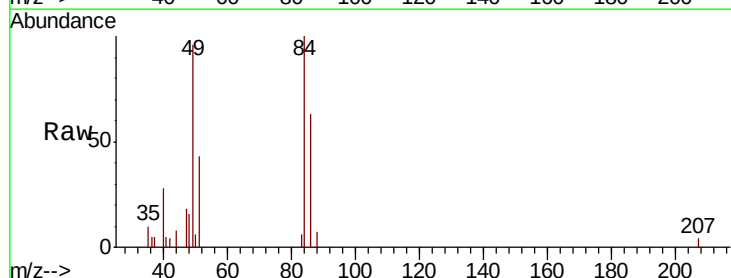
Instrument :
MSVOA_D
ClientSampleId :
VD1007SBL01

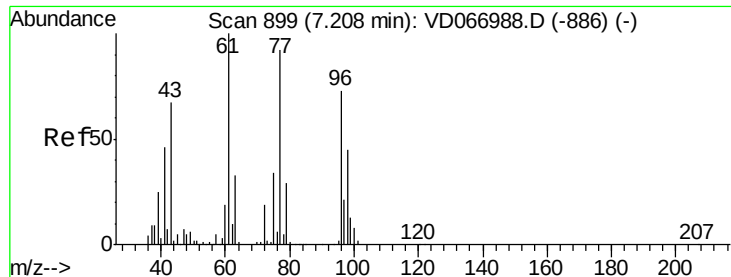
Tot Ion: 43 Resp: 1866
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067142.D
Acq: 07 Oct 2020 10:31

Tgt Ion: 84 Resp: 15383
Ion Ratio Lower Upper
84 100
49 95.5 88.2 132.2
51 42.8 26.6 39.8#
86 62.8 52.1 78.1





#25

2-Butanone

Concen: 2.070 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067142.D

Acq: 07 Oct 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

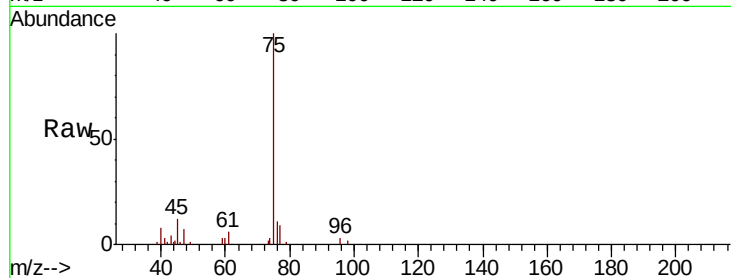
VD1007SBL01

Tot Ion: 43 Resp: 1889

Ion Ratio Lower Upper

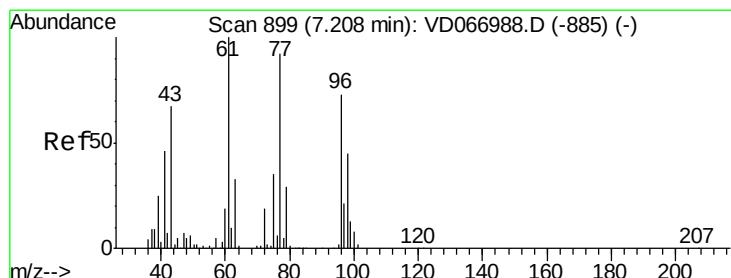
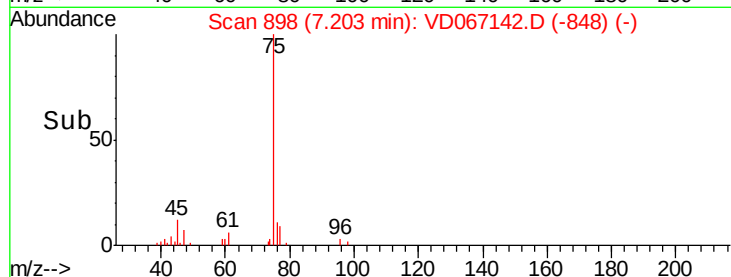
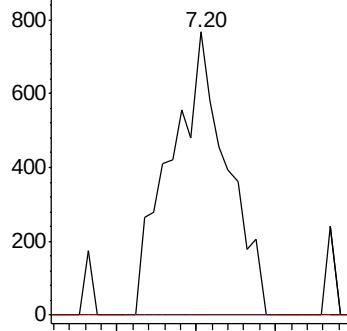
43 100

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: VD067142.D

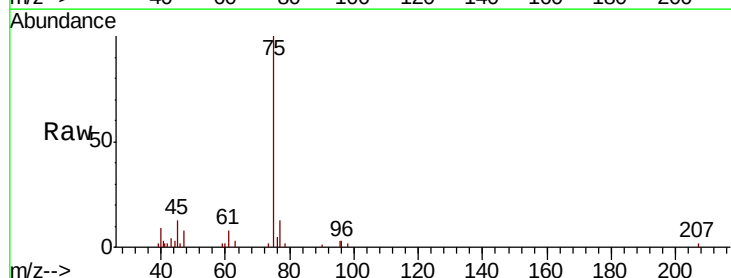
Acq: 07 Oct 2020 10:31

Tgt Ion: 77 Resp: 5170

Ion Ratio Lower Upper

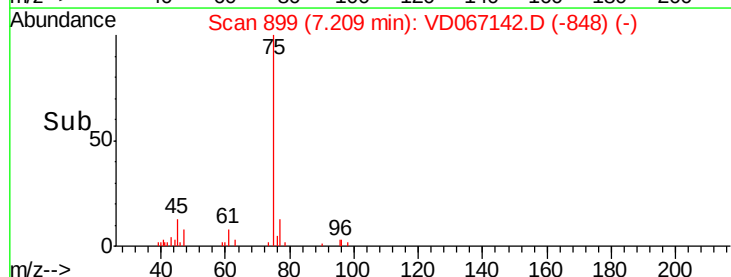
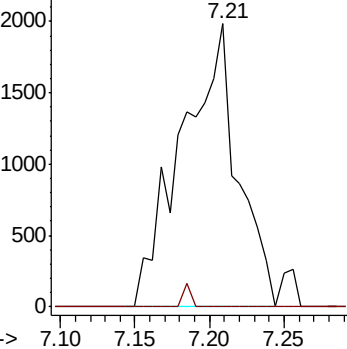
77 100

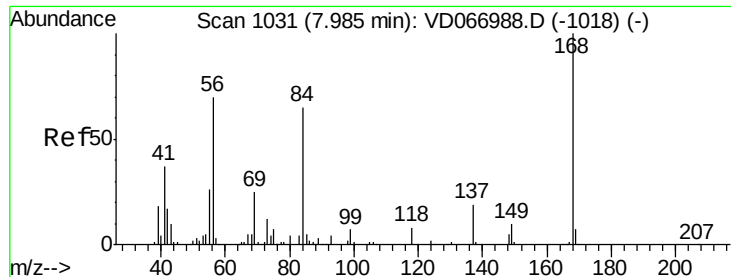
97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

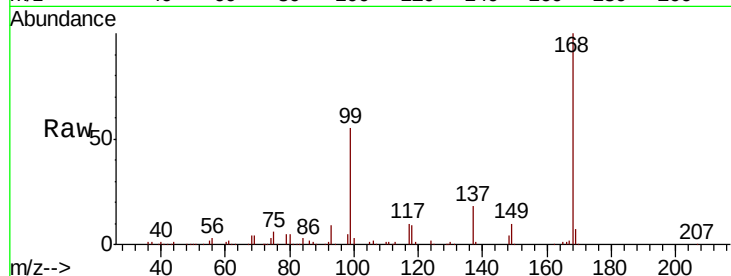




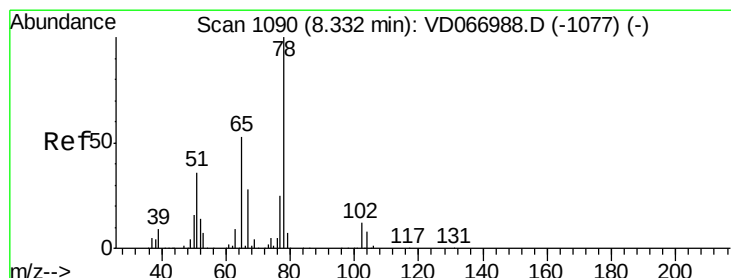
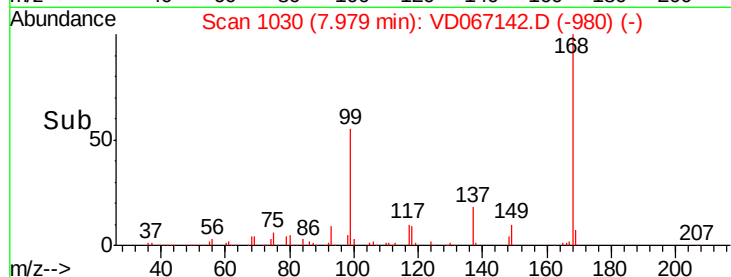
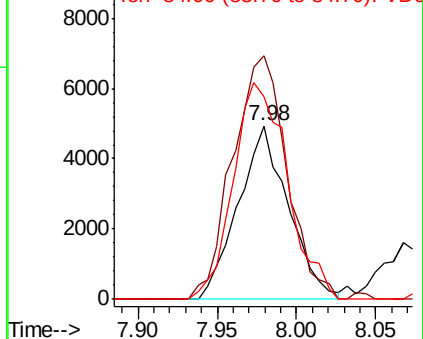
#31
Cyclohexane
Concen: 1.716 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067142.D
Acq: 07 Oct 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBL01

Tot Ion: 56 Resp: 10866
Ion Ratio Lower Upper
56 100
69 140.4 29.0 43.6#
84 116.6 74.2 111.2#

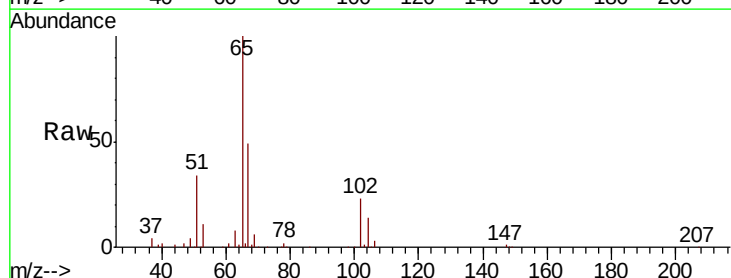


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

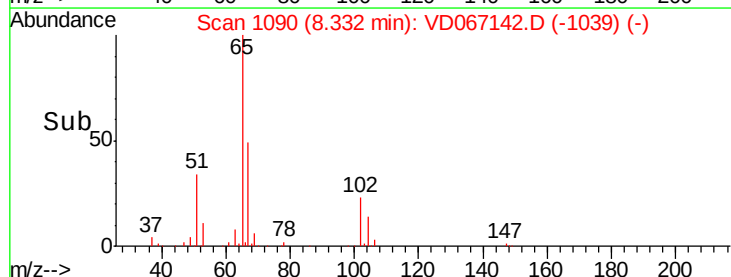
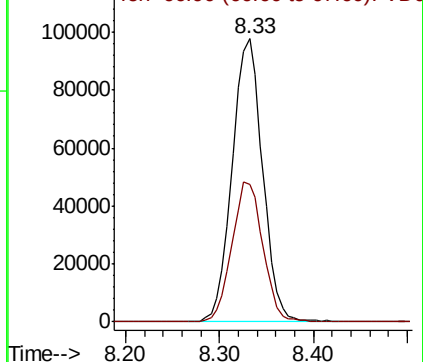


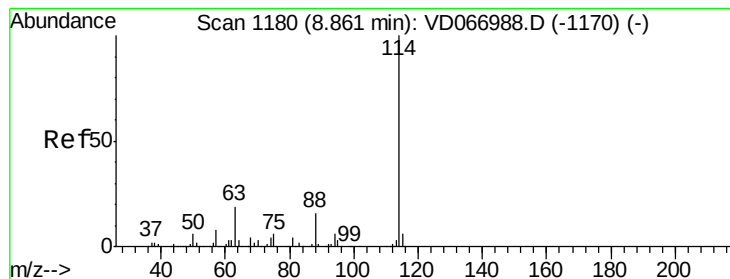
#33
1,2-Dichloroethane-d4
Concen: 52.053 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067142.D
Acq: 07 Oct 2020 10:31

Tgt Ion: 65 Resp: 219452
Ion Ratio Lower Upper
65 100
67 50.3 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: VD067142.D

Acq: 07 Oct 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBL01

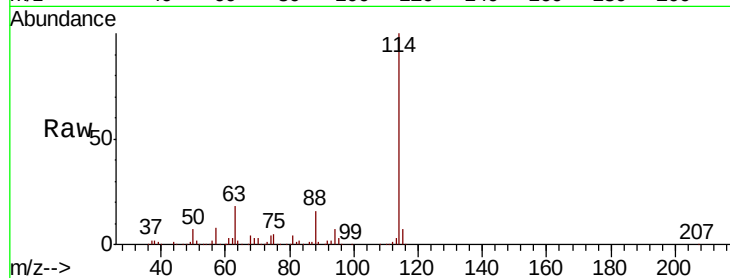
Tot Ion:114 Resp: 702780

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

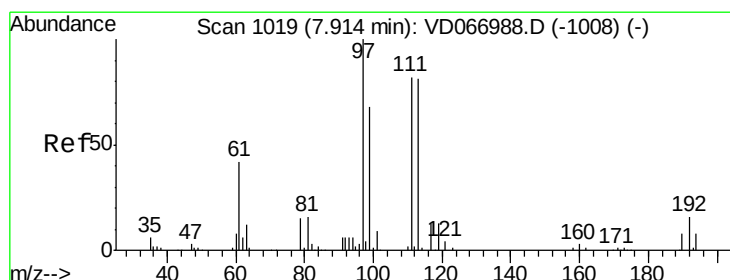
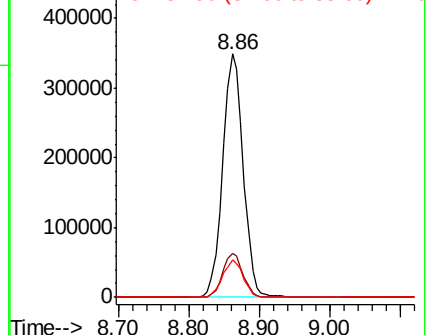
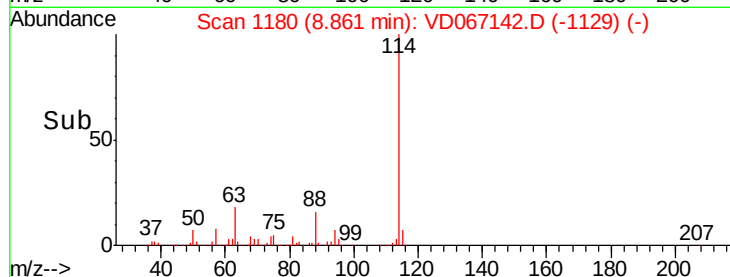
88 15.5 0.0 31.2



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: 50.221 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067142.D

Acq: 07 Oct 2020 10:31

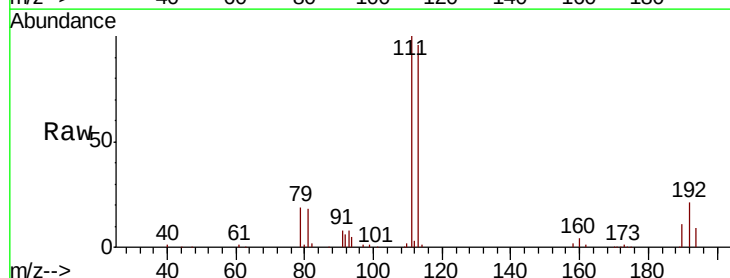
Tgt Ion:113 Resp: 231066

Ion Ratio Lower Upper

113 100

111 100.9 83.0 124.4

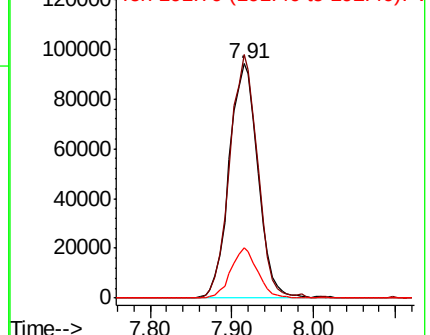
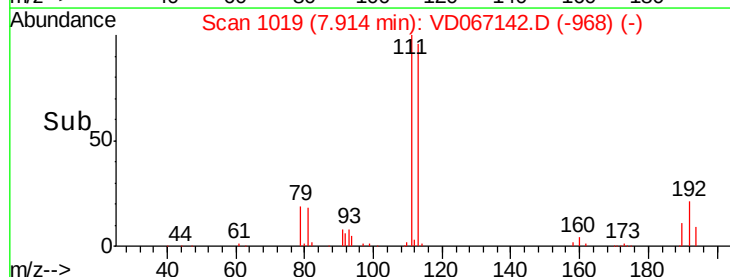
192 19.7 15.5 23.3

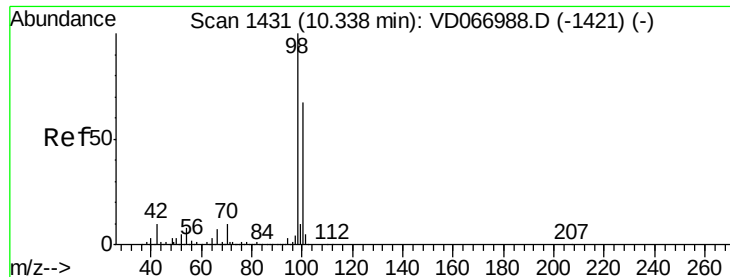


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.003 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067142.D

Acq: 07 Oct 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

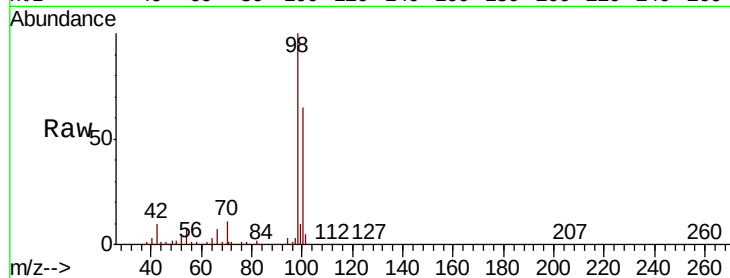
VD1007SBL01

Tot Ion: 98 Resp: 821550

Ion Ratio Lower Upper

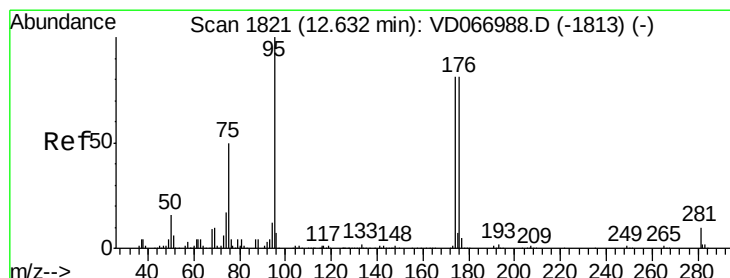
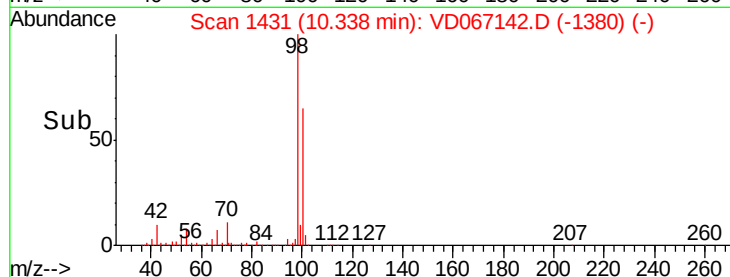
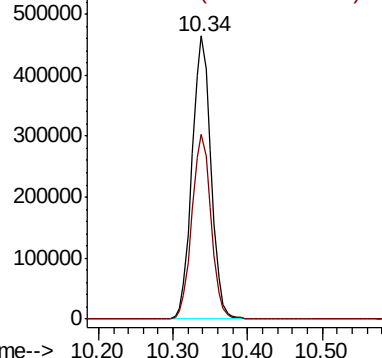
98 100

100 65.8 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VD0

Ion 100.00 (99.70 to 100.70): VD



#62

4-Bromofluorobenzene

Concen: 48.819 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067142.D

Acq: 07 Oct 2020 10:31

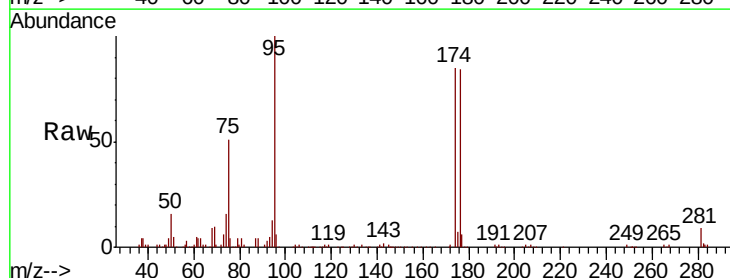
Tgt Ion: 95 Resp: 277853

Ion Ratio Lower Upper

95 100

174 85.9 0.0 167.6

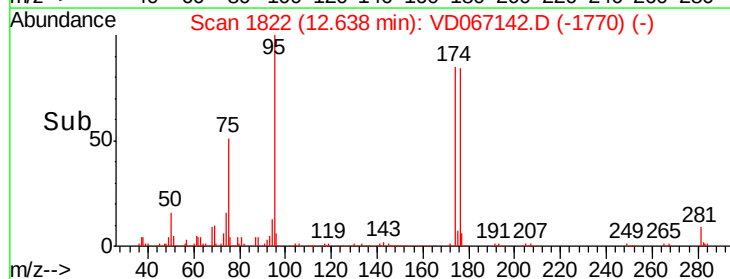
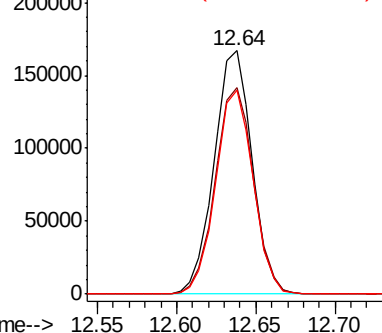
176 82.8 0.0 162.4

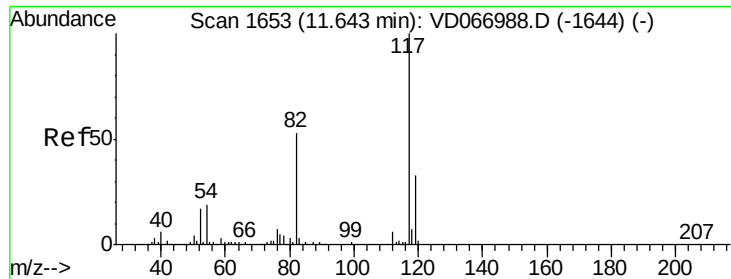


Abundance Ion 94.90 (94.60 to 95.60): VD0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

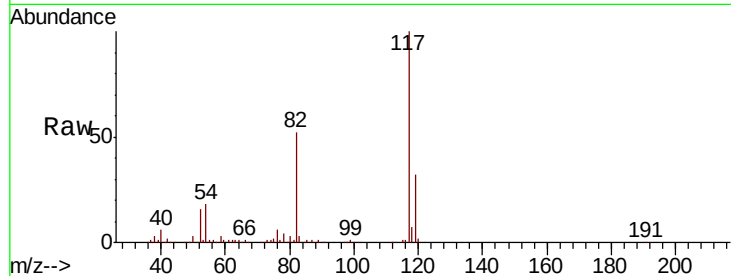




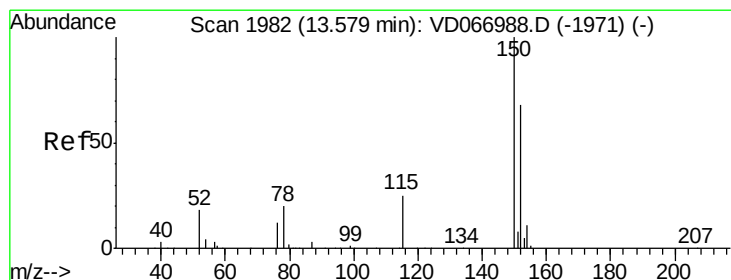
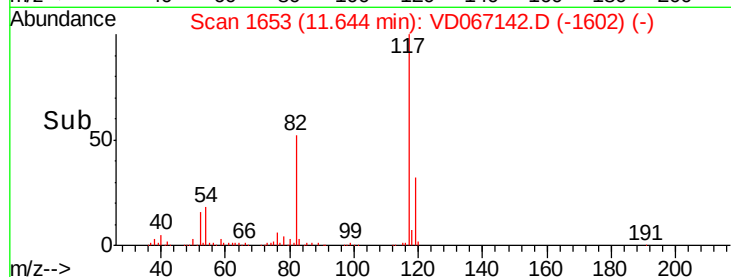
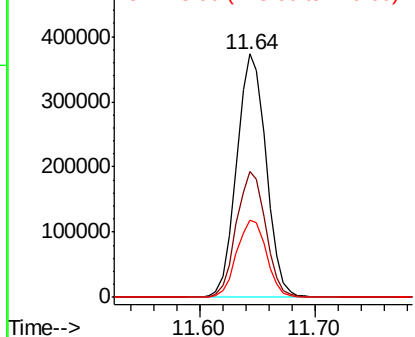
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067142.D
Acq: 07 Oct 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBL01

Tot Ion:117 Resp: 657086
Ion Ratio Lower Upper
117 100
82 51.8 42.6 63.8
119 31.7 26.3 39.5

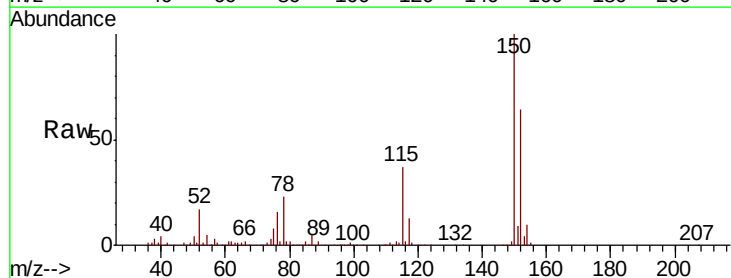


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

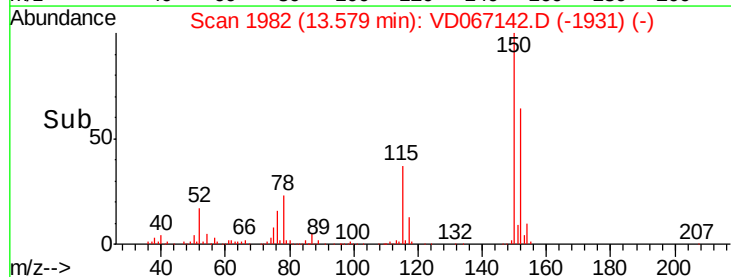
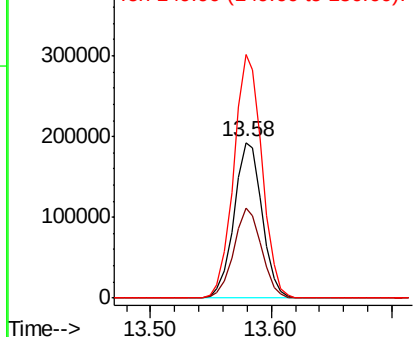


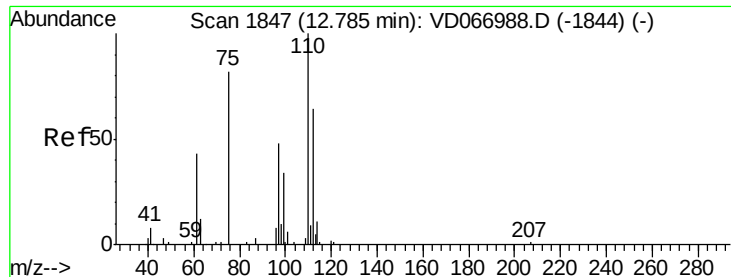
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067142.D
Acq: 07 Oct 2020 10:31

Tgt Ion:152 Resp: 311704
Ion Ratio Lower Upper
152 100
115 57.4 29.6 88.8
150 156.9 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 50.832 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067142.D

Acq: 07 Oct 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

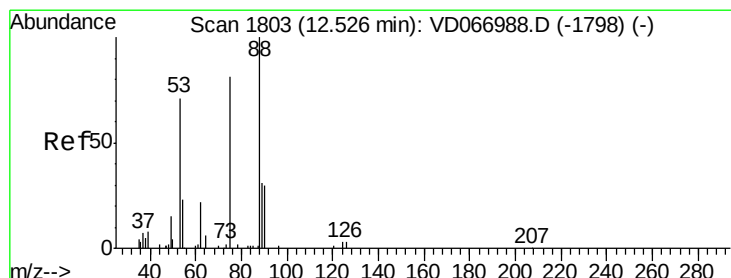
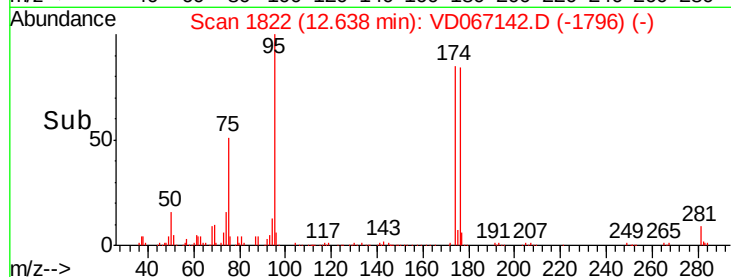
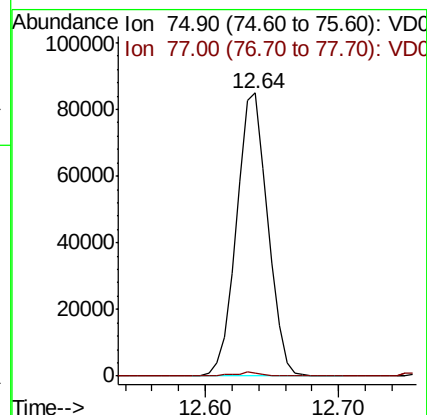
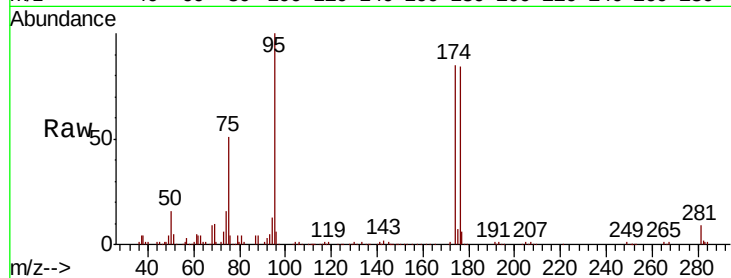
VD1007SBL01

Tot Ion: 75 Resp: 138011

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 126.730 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067142.D

Acq: 07 Oct 2020 10:31

Tgt Ion: 75 Resp: 138011

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#

