

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067236.D
 Acq On : 12 Oct 2020 16:48
 Operator : VA/SY
 Sample : L4369-05
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-3

Quant Time: Oct 13 00:17:19 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	332286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	551810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	505689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227089	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	171850	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
35) Dibromofluoromethane	7.91	113	177363	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
50) Toluene-d8	10.34	98	641192	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.64	95	211664	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	

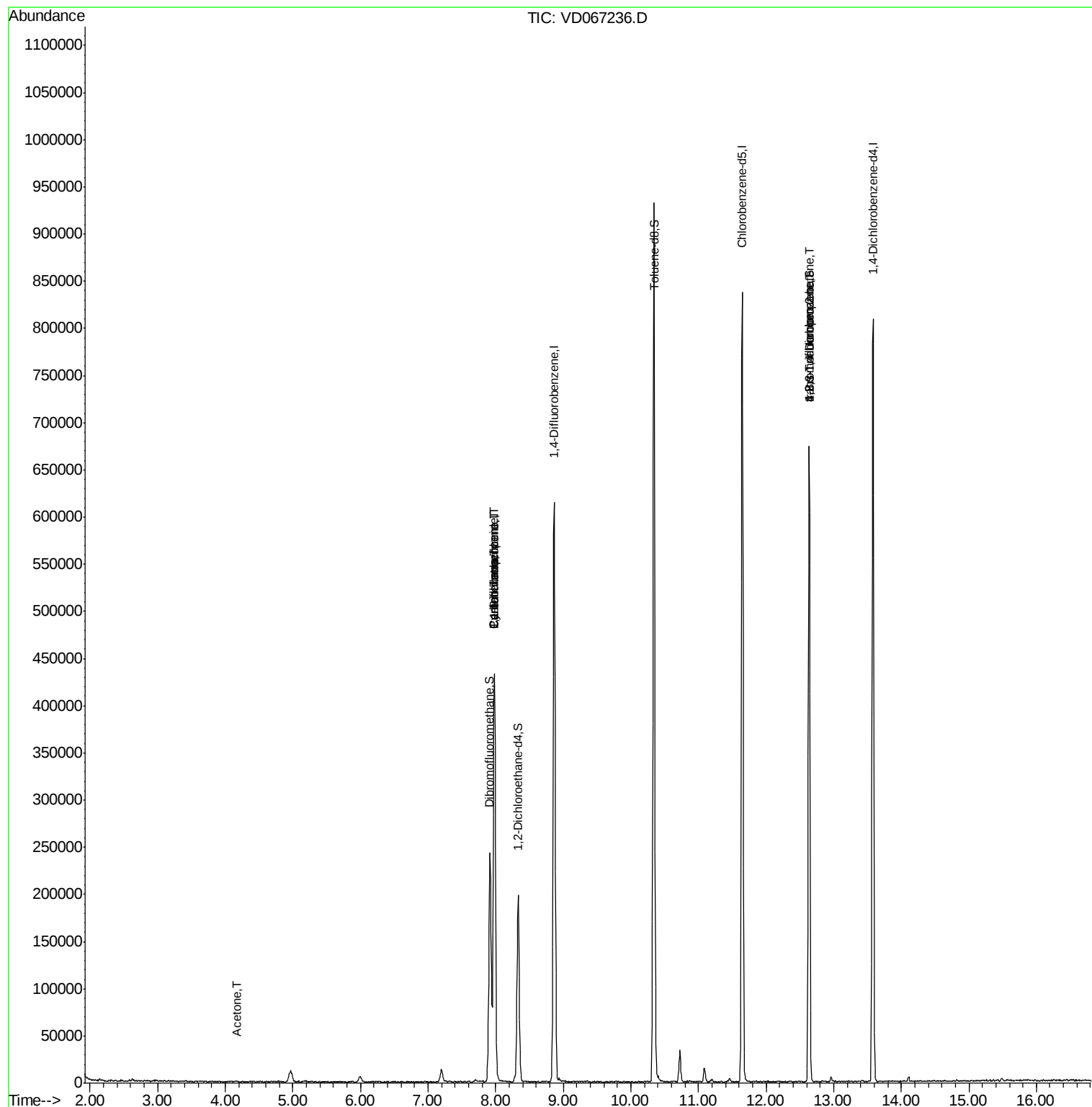
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	292	Below Cal	#	40
5) Bromomethane	2.77	94	74	Below Cal	#	3
11) Tert butyl alcohol	5.21	59	177	Below Cal	#	72
16) Acetone	4.17	43	580	1.187	ug/l #	42
20) Methylene Chloride	4.96	84	10996	Below Cal	#	83
26) 2,2-Dichloropropane	7.20	77	496	Below Cal	#	53
31) Cyclohexane	7.98	56	6217	1.293	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	24644	4.791	ug/l #	50
38) Carbon Tetrachloride	7.98	117	35036	6.296	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	107584	54.390	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	107584	135.600	ug/l #	12

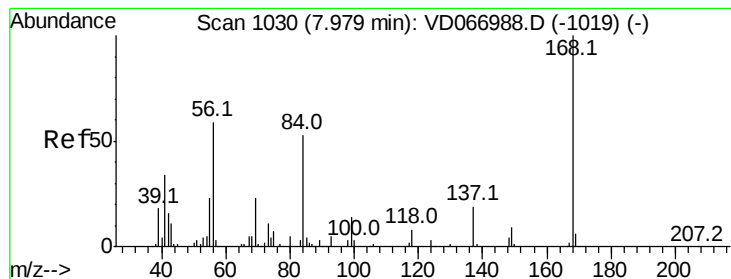
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067236.D

Acq: 12 Oct 2020 16:48

Instrument :

MSVOA_D

ClientSampleID :

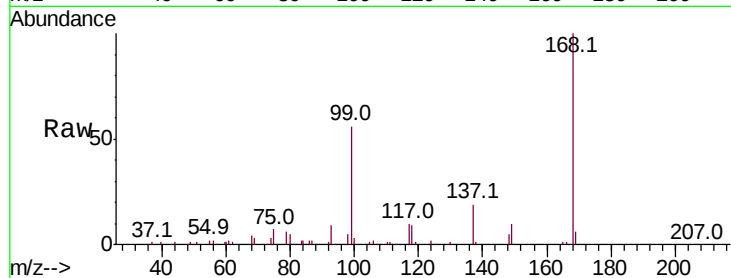
HD-3

Tot Ion:168 Resp: 332286

Ion Ratio Lower Upper

168 100

99 56.0 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

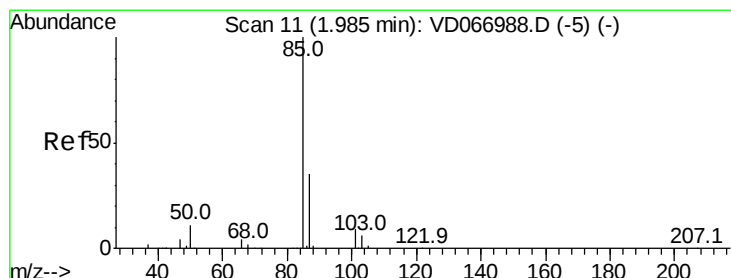
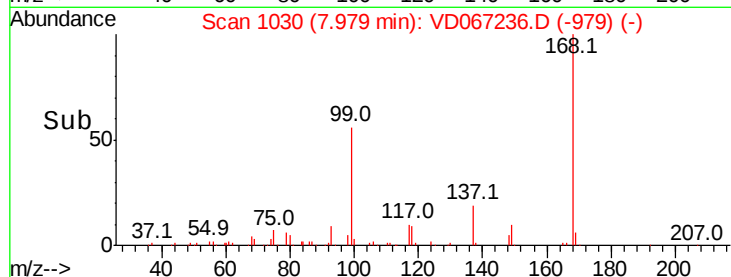
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067236.D

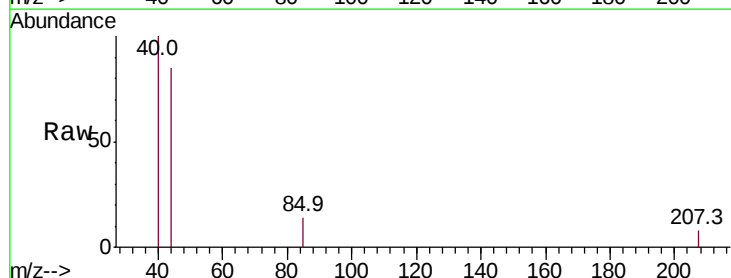
Acq: 12 Oct 2020 16:48

Tgt Ion: 85 Resp: 292

Ion Ratio Lower Upper

85 100

87 0.0 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

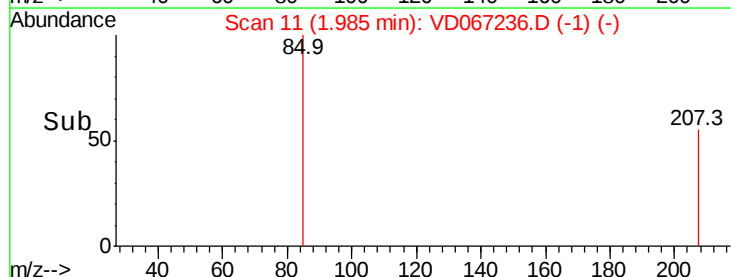
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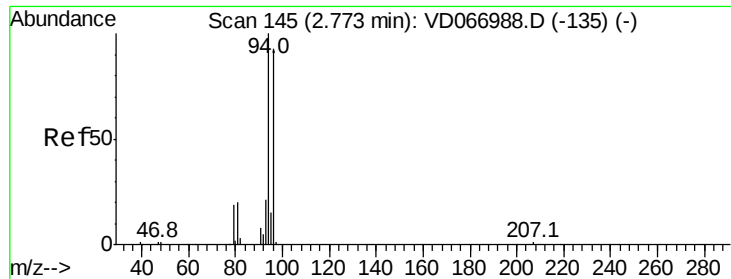
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067236.D

Acq: 12 Oct 2020 16:48

Instrument :

MSVOA_D

ClientSampled :

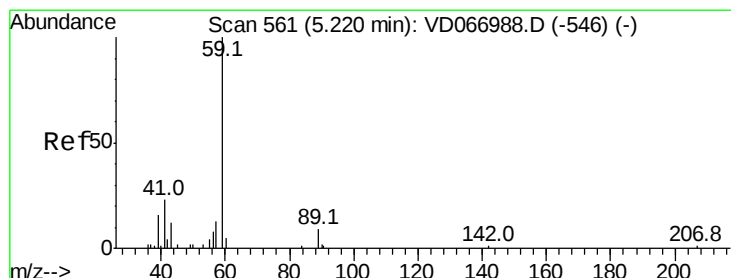
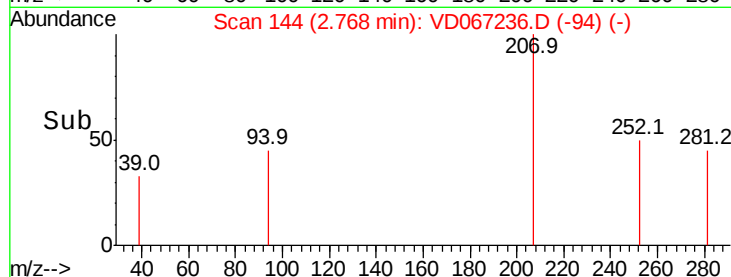
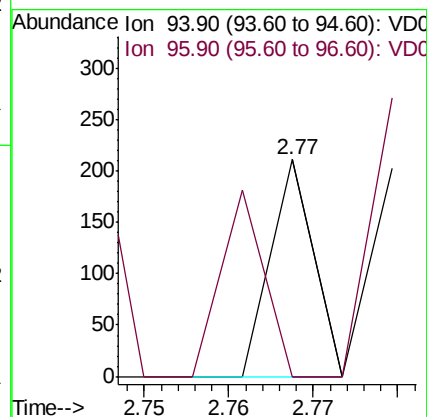
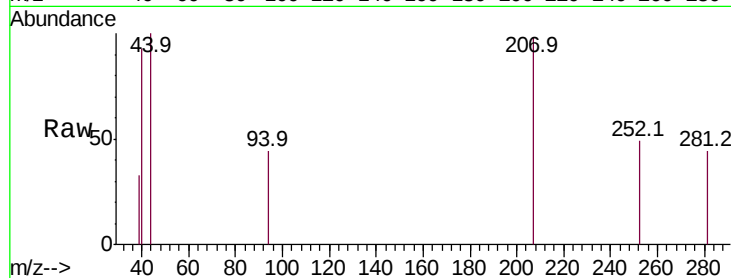
HD-3

Tot Ion: 94 Resp: 74

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD067236.D

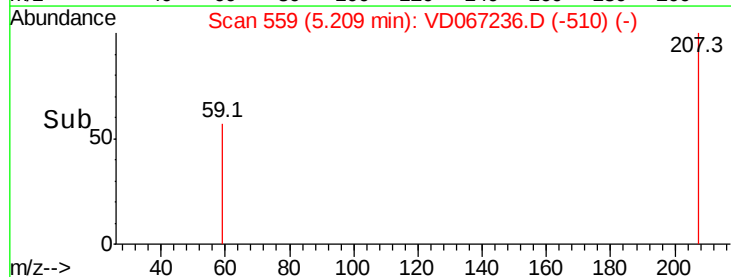
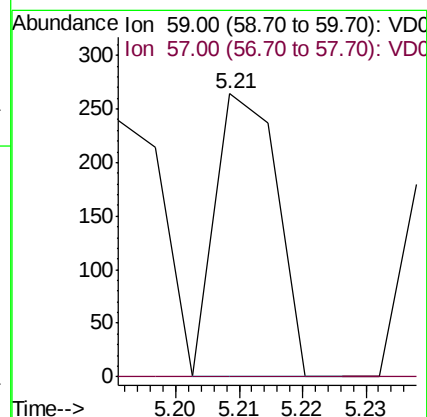
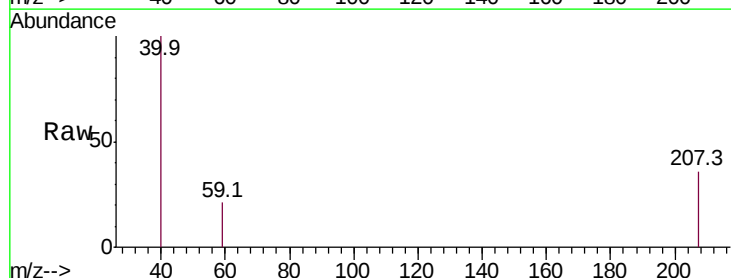
Acq: 12 Oct 2020 16:48

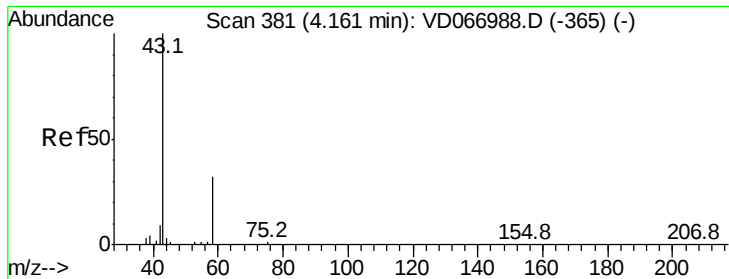
Tgt Ion: 59 Resp: 177

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#16

Acetone

Concen: 1.187 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067236.D

Acq: 12 Oct 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

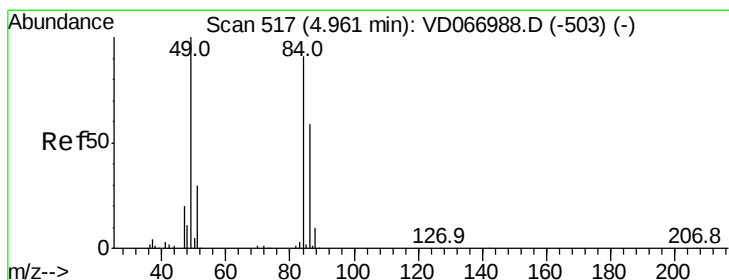
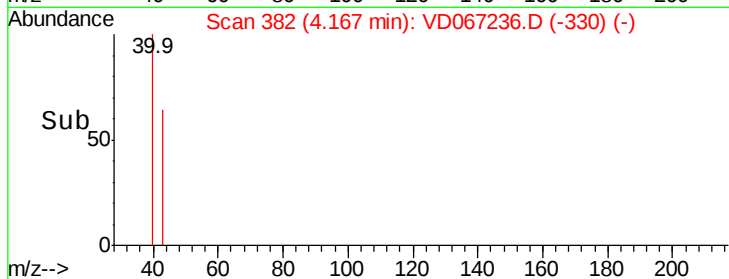
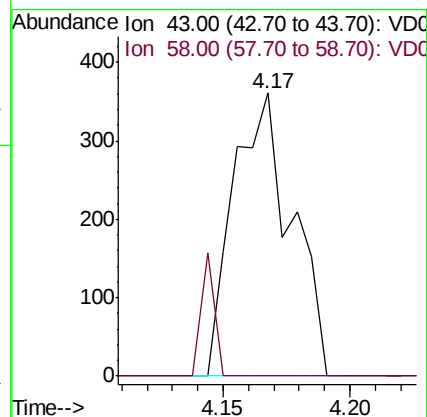
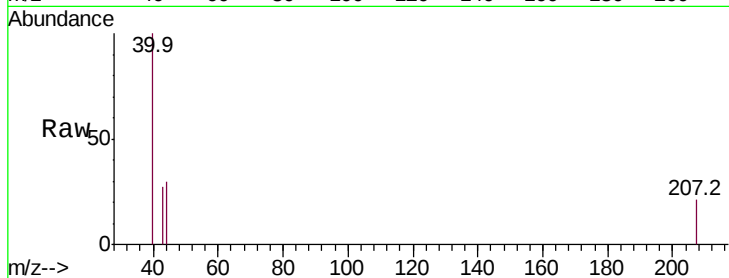
HD-3

Tot Ion: 43 Resp: 580

Ion Ratio Lower Upper

43 100

58 0.0 25.9 38.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067236.D

Acq: 12 Oct 2020 16:48

Tgt Ion: 84 Resp: 10996

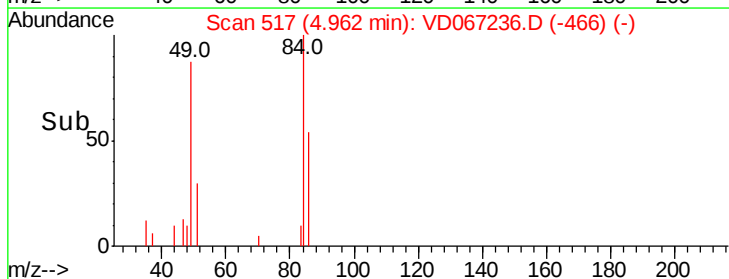
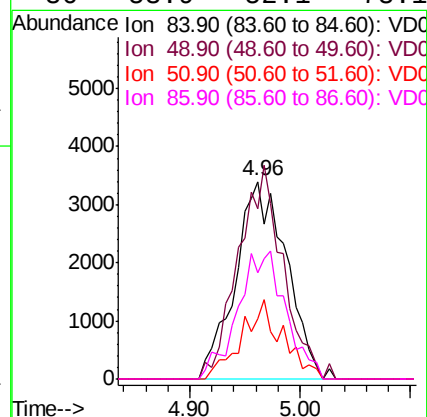
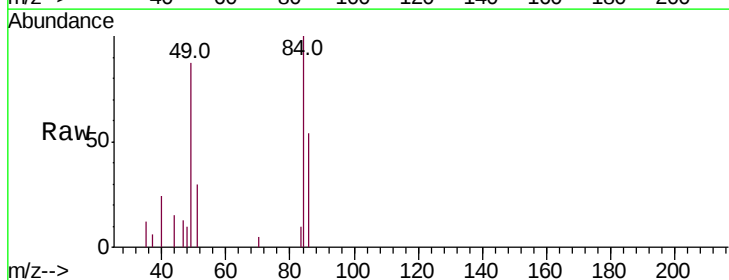
Ion Ratio Lower Upper

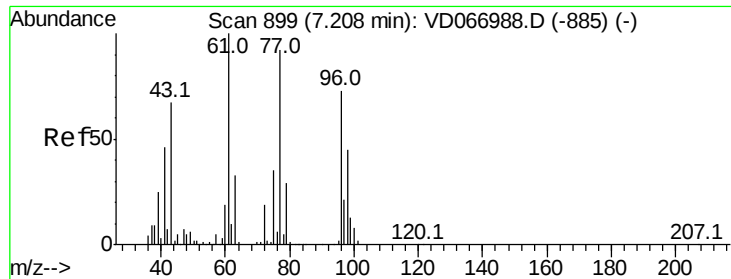
84 100

49 86.6 88.2 132.2#

51 30.3 26.6 39.8

86 53.9 52.1 78.1





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD067236.D

Acq: 12 Oct 2020 16:48

Instrument :

MSVOA_D

ClientSampled :

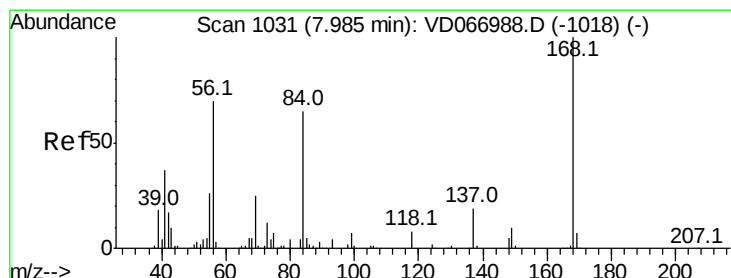
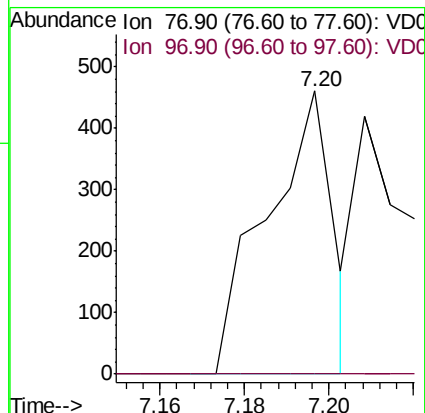
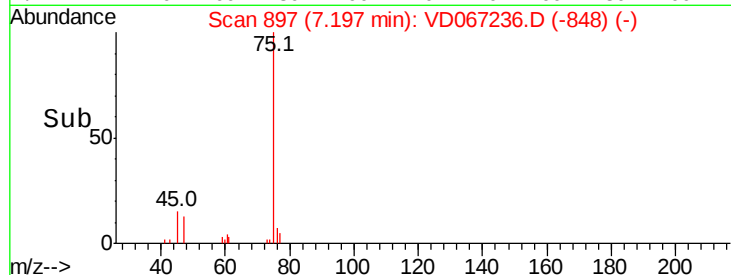
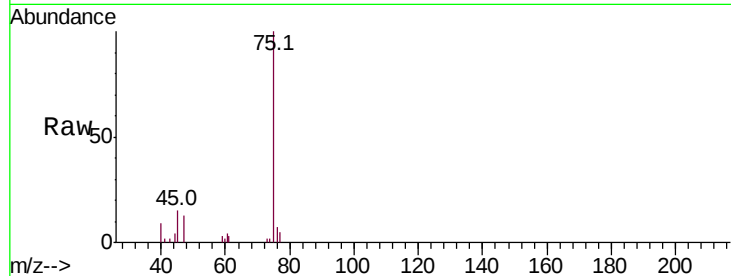
HD-3

Tot Ion: 77 Resp: 496

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#31

Cyclohexane

Concen: 1.293 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067236.D

Acq: 12 Oct 2020 16:48

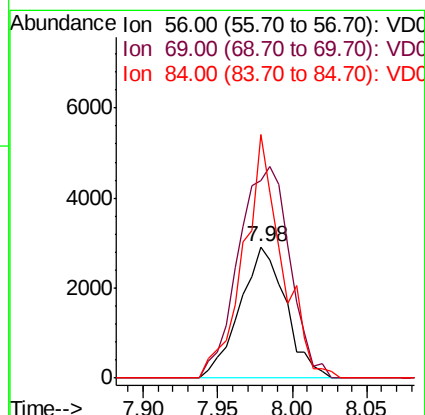
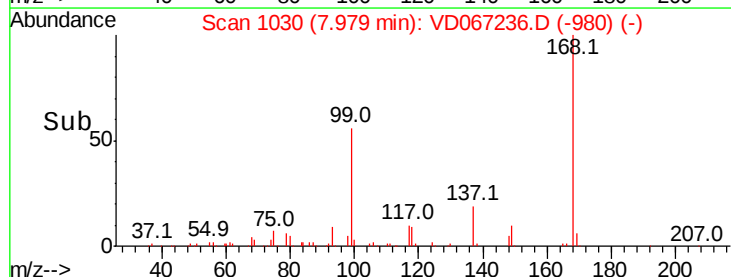
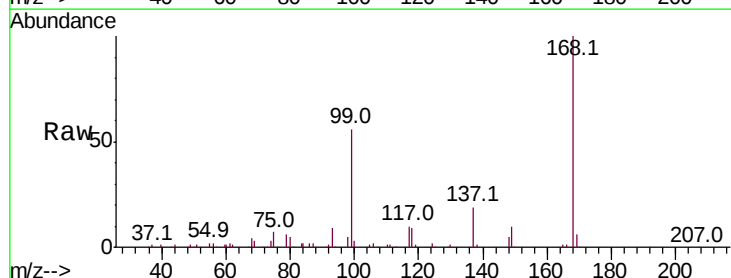
Tgt Ion: 56 Resp: 6217

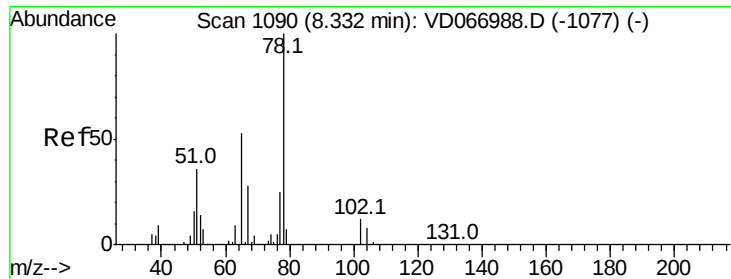
Ion Ratio Lower Upper

56 100

69 150.1 29.0 43.6#

84 185.4 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: 53.694 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067236.D

Acq: 12 Oct 2020 16:48

Instrument :

MSVOA_D

ClientSampled :

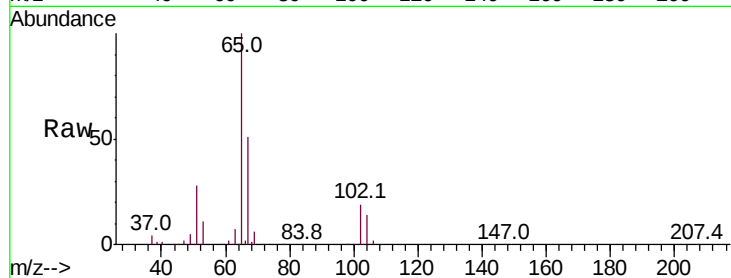
HD-3

Tot Ion: 65 Resp: 171850

Ion Ratio Lower Upper

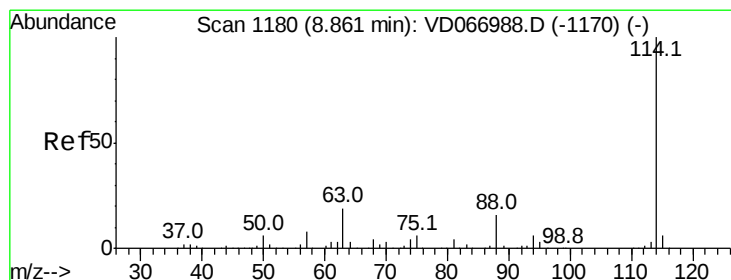
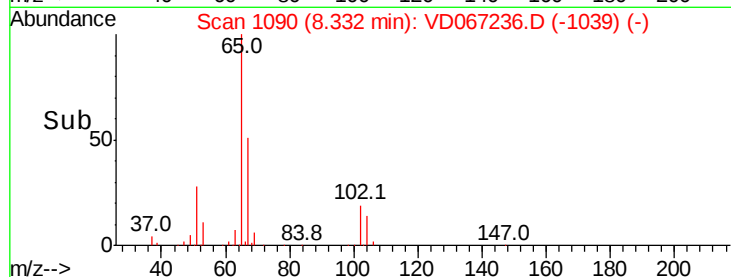
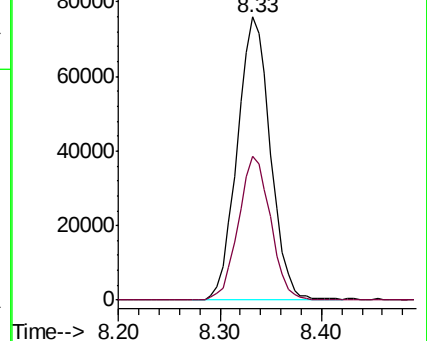
65 100

67 49.4 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: VD067236.D

Acq: 12 Oct 2020 16:48

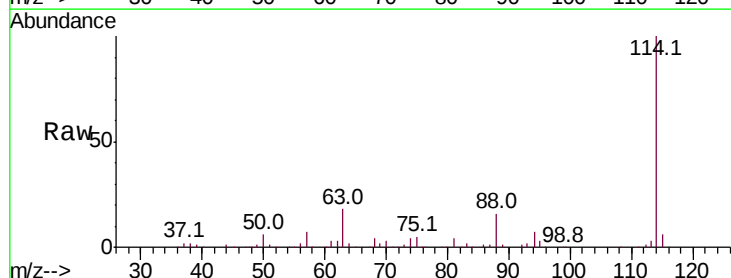
Tgt Ion: 114 Resp: 551810

Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

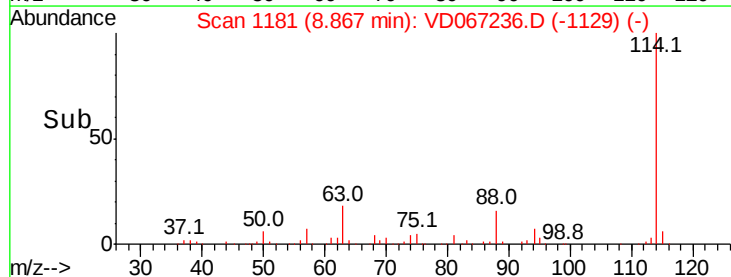
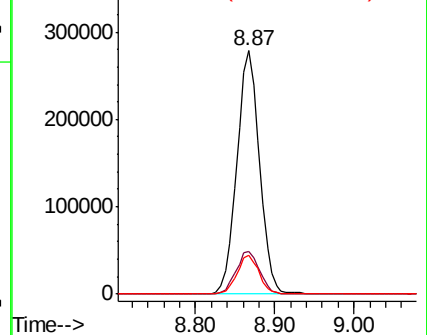
88 15.8 0.0 31.2

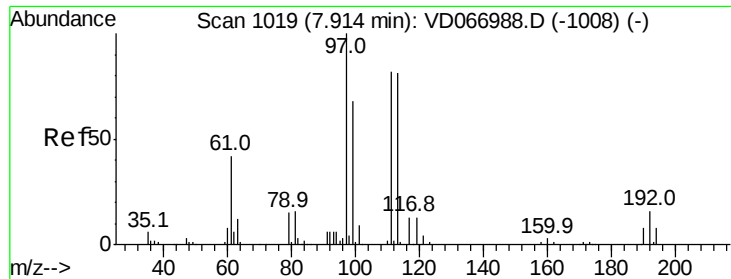


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

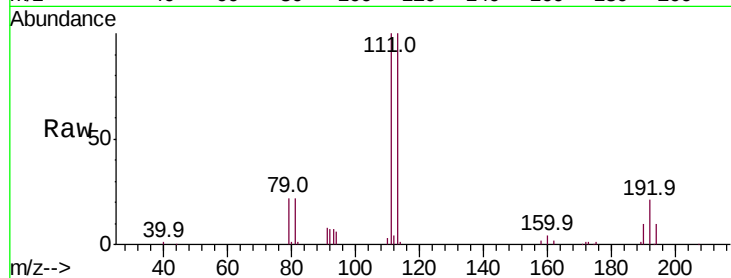




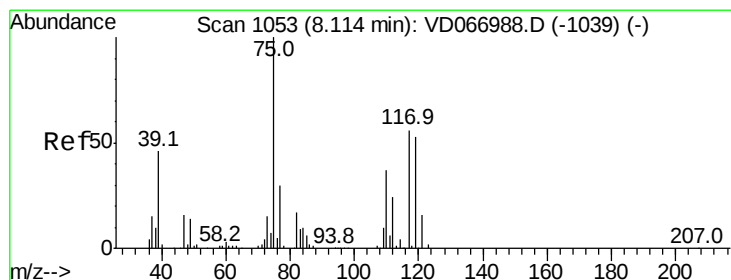
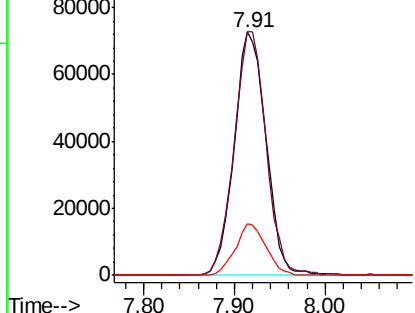
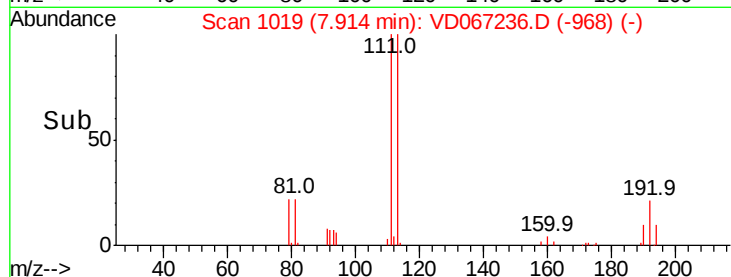
#35
 Dibromofluoromethane
 Concen: 49.096 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067236.D
 Acq: 12 Oct 2020 16:48

Instrument :
 MSVOA_D
 ClientSampleID :
 HD-3

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.0	124.4
192	20.5	15.5	23.3

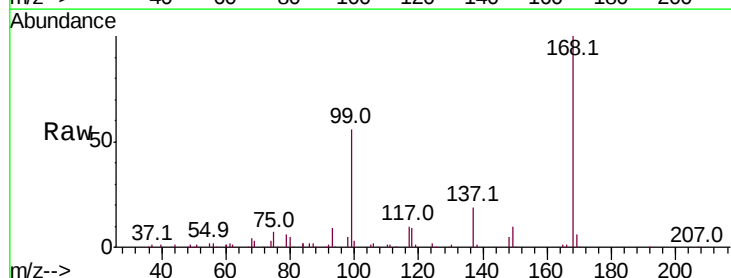


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

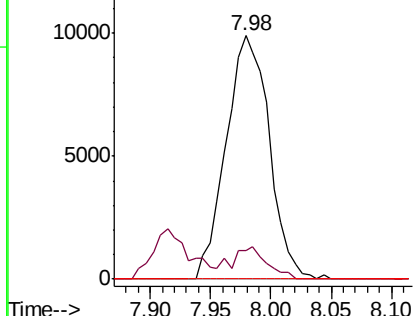
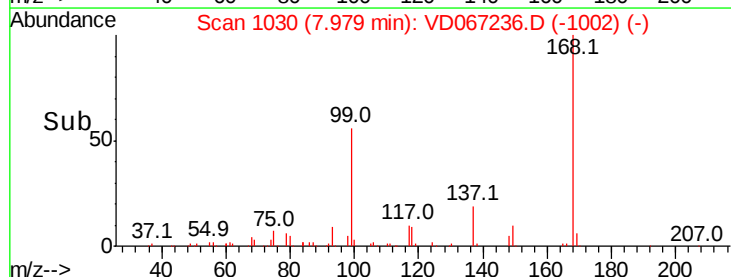


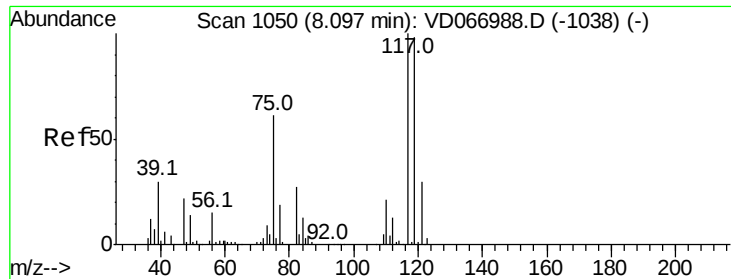
#36
 1,1-Dichloropropene
 Concen: 4.791 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067236.D
 Acq: 12 Oct 2020 16:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.4	55.0#
77	0.0	24.8	37.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 6.296 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067236.D

Acq: 12 Oct 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

HD-3

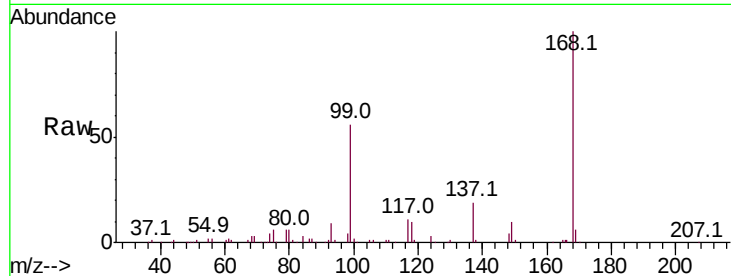
Tot Ion:117 Resp: 35036

Ion Ratio Lower Upper

117 100

119 5.5 78.7 118.1#

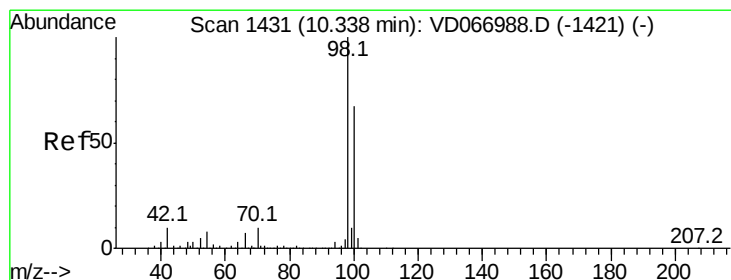
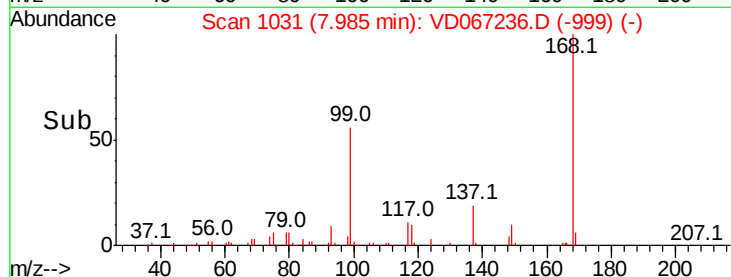
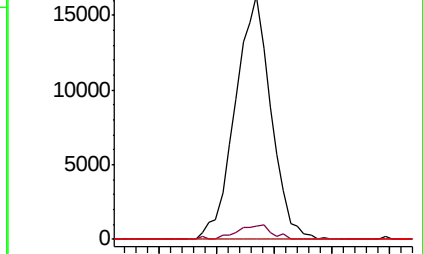
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.709 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD067236.D

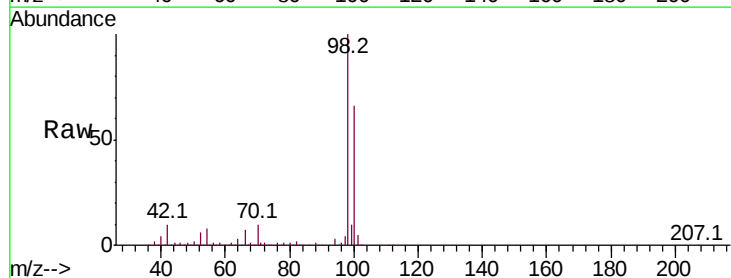
Acq: 12 Oct 2020 16:48

Tgt Ion: 98 Resp: 641192

Ion Ratio Lower Upper

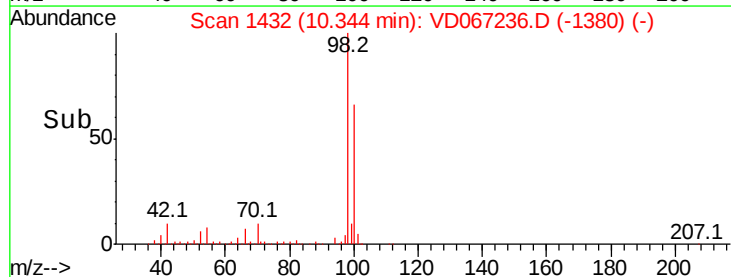
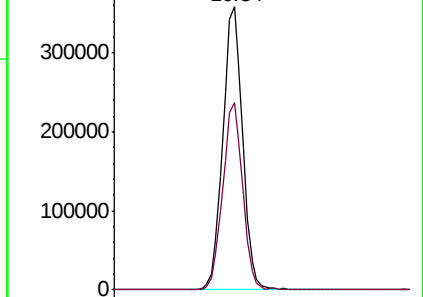
98 100

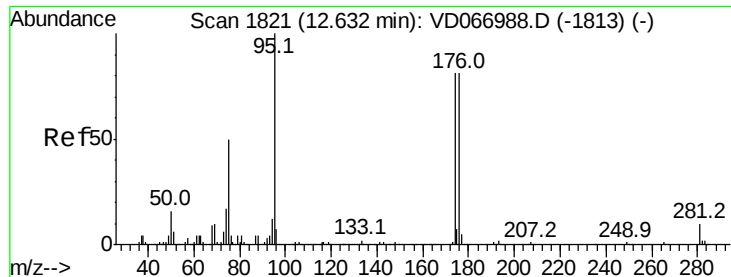
100 66.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.365 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067236.D

Acq: 12 Oct 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

HD-3

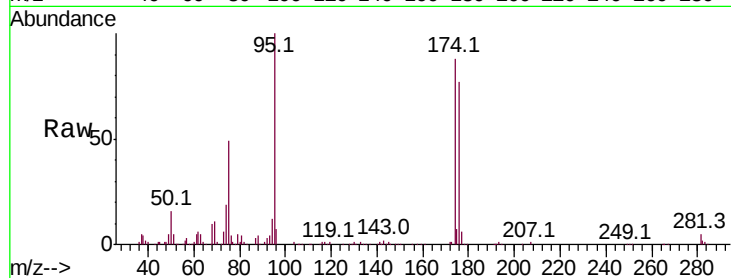
Tot Ion: 95 Resp: 211664

Ion Ratio Lower Upper

95 100

174 86.7 0.0 167.6

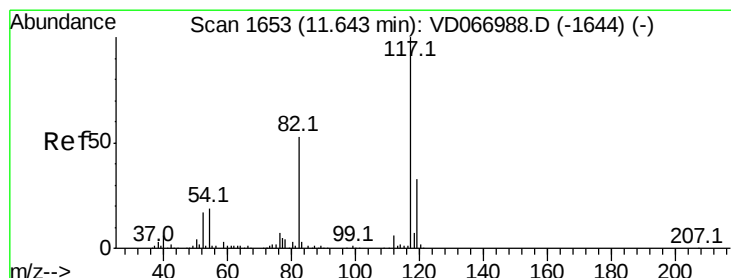
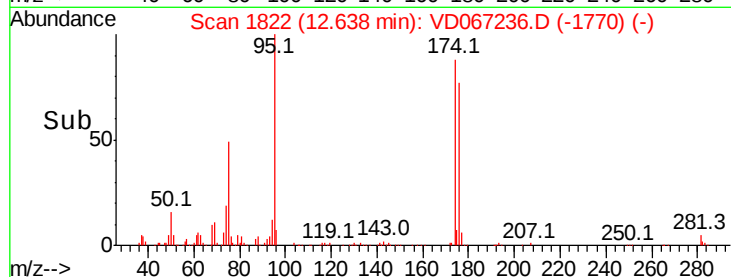
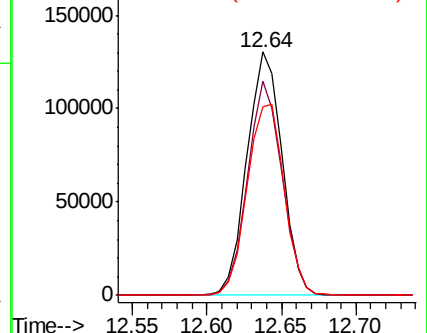
176 82.7 0.0 162.4



Abundance Ion 94.90 (94.60 to 95.60): V

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: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD067236.D

Acq: 12 Oct 2020 16:48

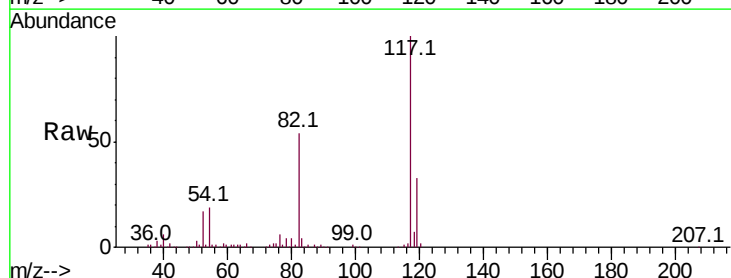
Tgt Ion: 117 Resp: 505689

Ion Ratio Lower Upper

117 100

82 53.9 42.6 63.8

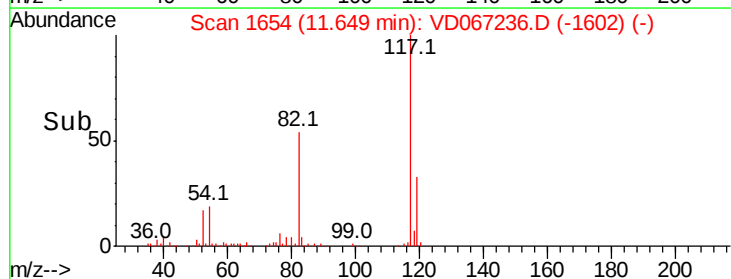
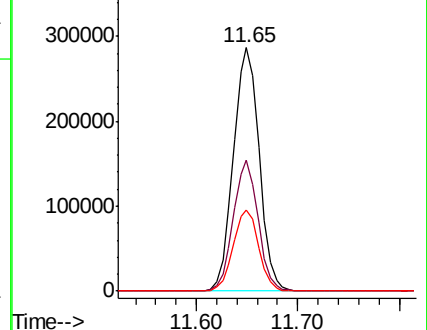
119 33.1 26.3 39.5

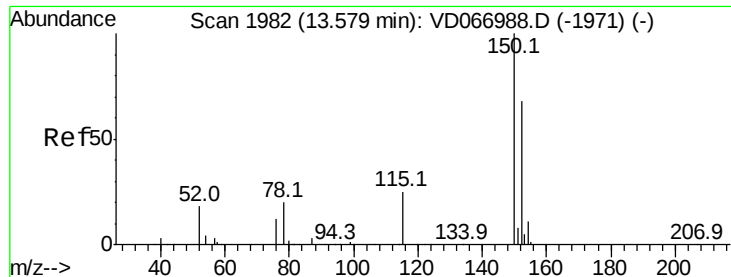


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1983

Delta R.T. 0.01 min

Lab File: VD067236.D

Acq: 12 Oct 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

HD-3

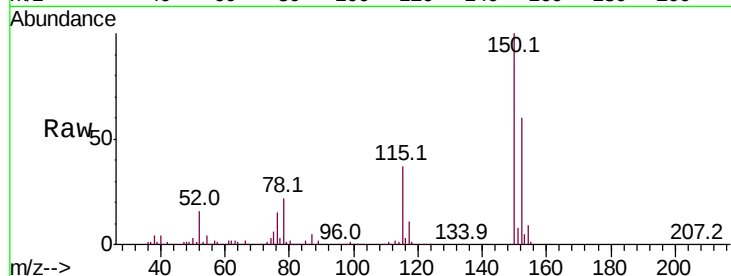
Tot Ion:152 Resp: 227089

Ion Ratio Lower Upper

152 100

115 60.9 29.6 88.8

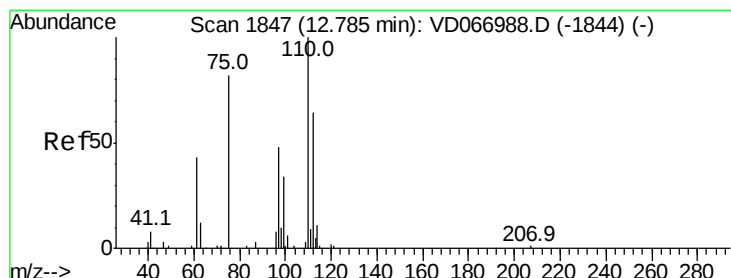
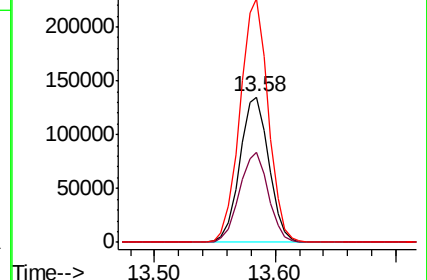
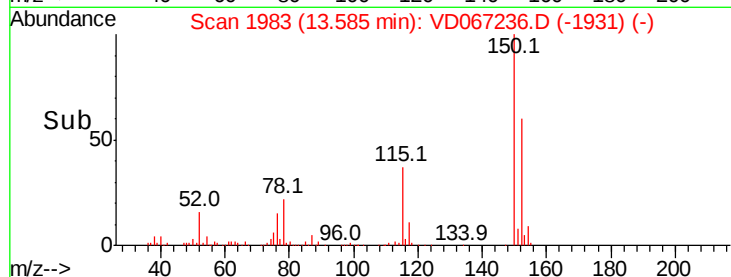
150 161.9 0.0 344.8



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: 54.390 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067236.D

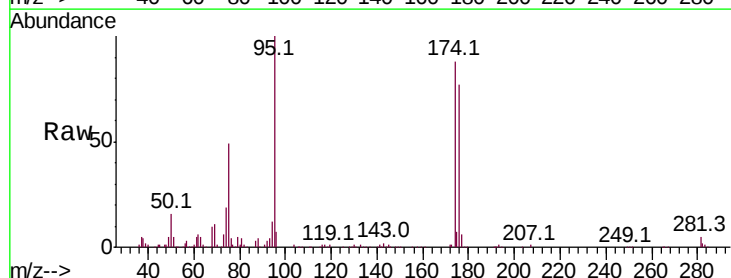
Acq: 12 Oct 2020 16:48

Tgt Ion: 75 Resp: 107584

Ion Ratio Lower Upper

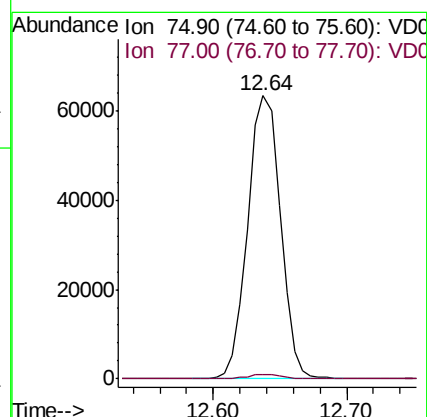
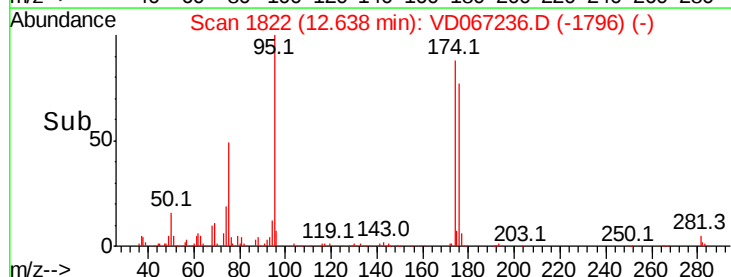
75 100

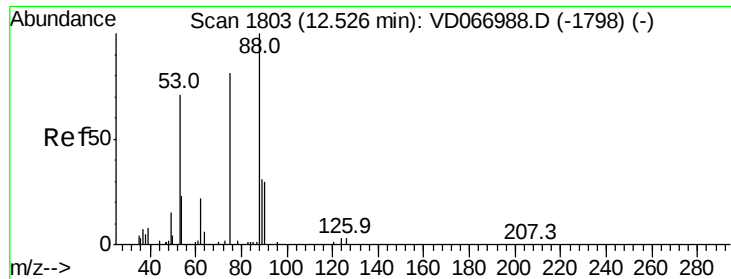
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 135.600 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067236.D

Acq: 12 Oct 2020 16:48

Instrument :

MSVOA_D

ClientSampleId :

HD-3

Tot Ion: 75 Resp: 107584

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.1 38.9 58.3#

