

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111920\
 Data File : VD067713.D
 Acq On : 19 Nov 2020 17:26
 Operator : VA/SY
 Sample : L4832-01
 Misc : 4.77G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-33-2-WC

Quant Time: Nov 20 00:31:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	245371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	381187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	414404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	228750	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	121504	56.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.26%	
35) Dibromofluoromethane	7.92	113	119179	51.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.78%	
50) Toluene-d8	10.34	98	447775	55.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.96%	
62) 4-Bromofluorobenzene	12.64	95	191081	68.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	137.14%	

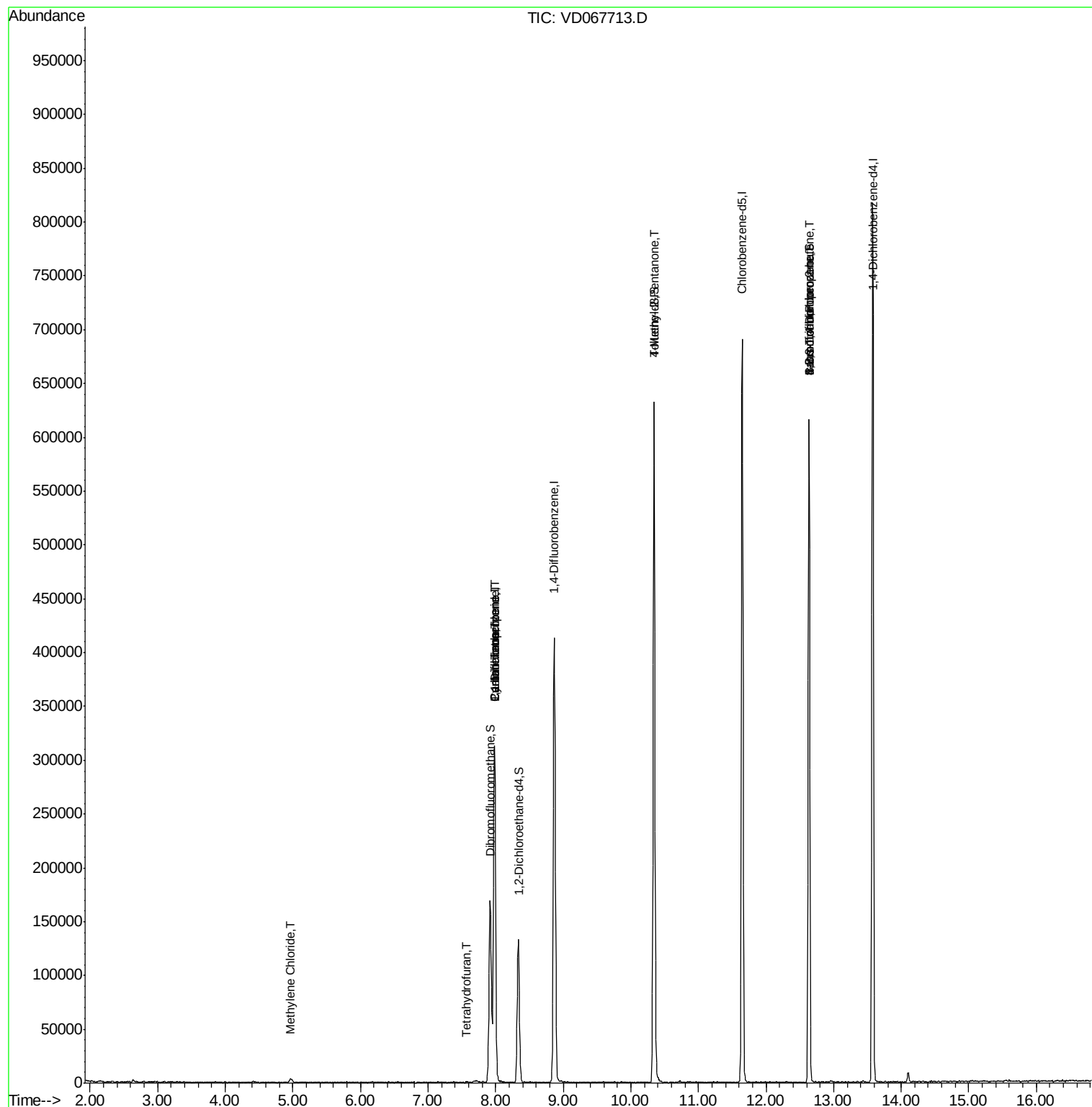
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	77	Below Cal	#	44
20) Methylene Chloride	4.96	84	3261	1.438	ug/l #	59
29) Tetrahydrofuran	7.57	42	636	3.095	ug/l #	75
31) Cyclohexane	7.98	56	4936	1.586	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	16366	5.016	ug/l #	51
38) Carbon Tetrachloride	7.98	117	26199	6.180	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	1682	2.099	ug/l #	1
71) Bromoform	12.64	173	2221	1.384	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	99536	72.130	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	99536	146.443	ug/l #	10

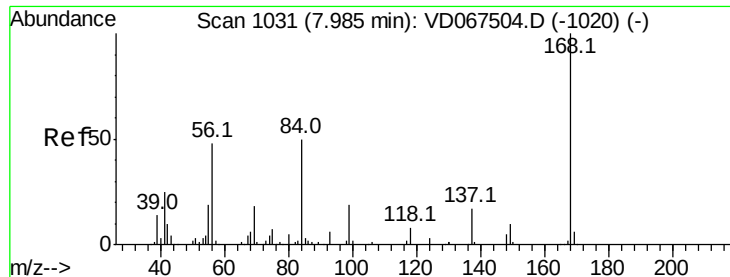
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067713.D

Acq: 19 Nov 2020 17:26

Instrument :

MSVOA_D

ClientSampleId :

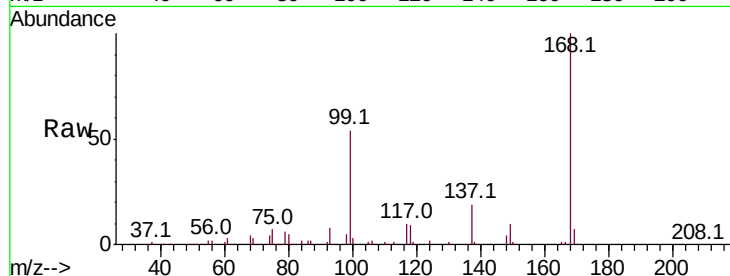
R-LA-33-2-WC

Tot Ion:168 Resp: 245371

Ion Ratio Lower Upper

168 100

99 53.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

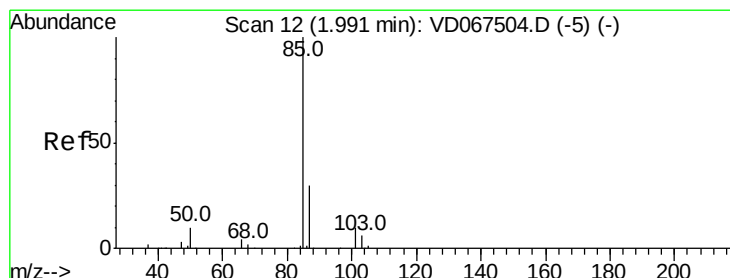
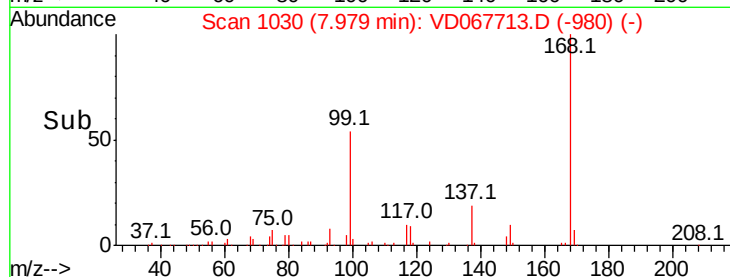
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067713.D

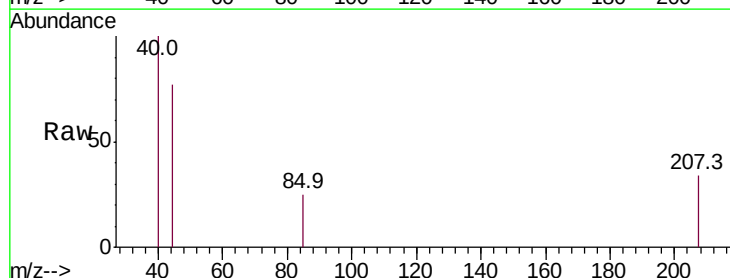
Acq: 19 Nov 2020 17:26

Tgt Ion: 85 Resp: 77

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

250

200

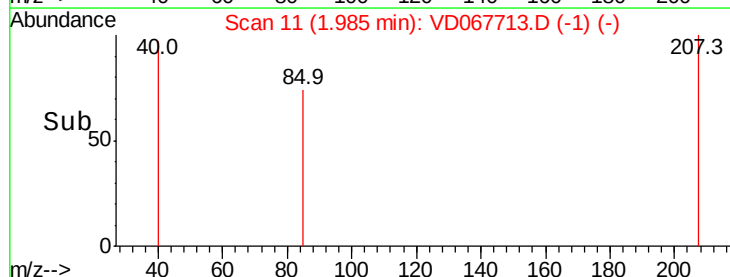
150

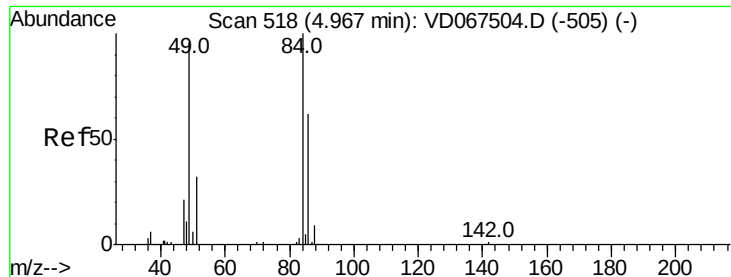
100

50

0

Time-->

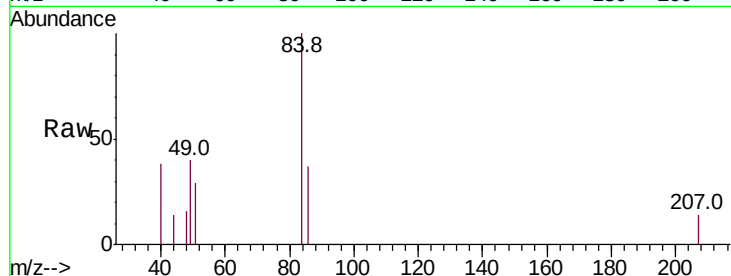




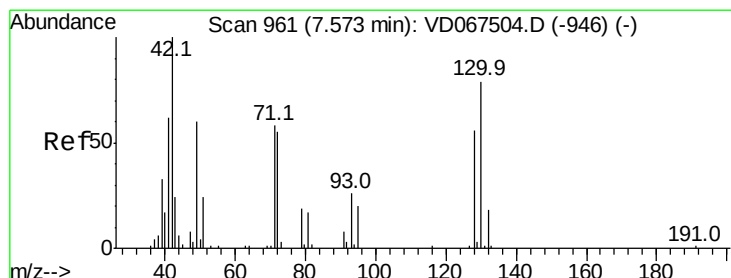
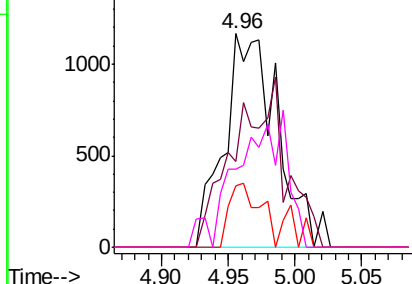
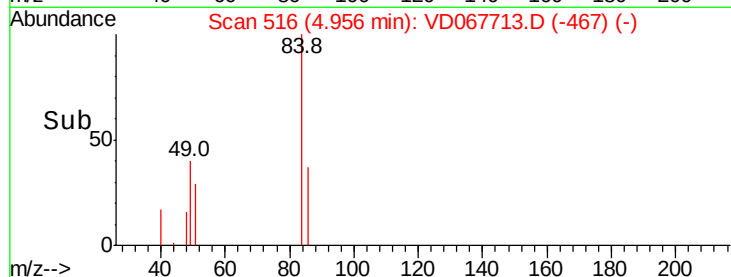
#20
Methvlene Chloride
Concen: 1.438 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067713.D
Acq: 19 Nov 2020 17:26

Instrument :
MSVOA_D
ClientSampleId :
R-LA-33-2-WC

Tot Ion: 84 Resp: 3261
Ion Ratio Lower Upper
84 100
49 39.9 77.0 115.4#
51 28.9 25.4 38.2
86 36.5 49.4 74.0#

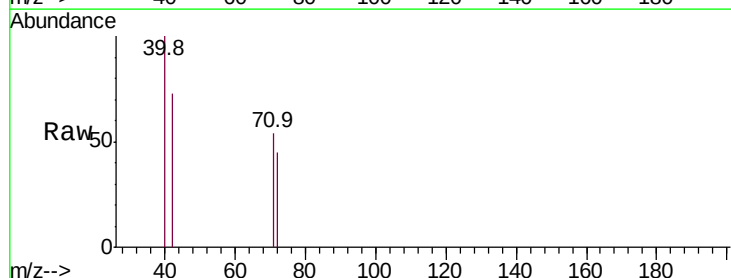


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

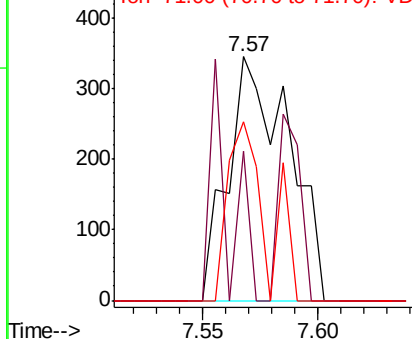
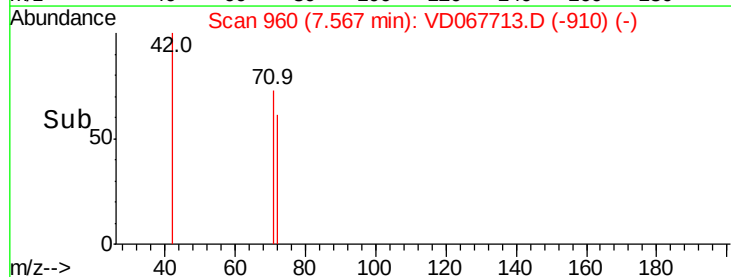


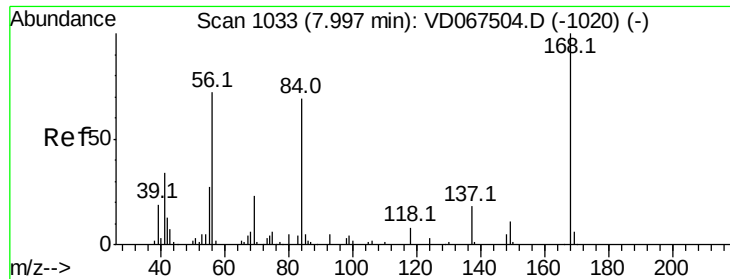
#29
Tetrahydrofuran
Concen: 3.095 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067713.D
Acq: 19 Nov 2020 17:26

Tgt Ion: 42 Resp: 636
Ion Ratio Lower Upper
42 100
72 30.7 46.3 69.5#
71 46.4 44.0 66.0



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.586 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VD067713.D

Acq: 19 Nov 2020 17:26

Instrument :

MSVOA_D

ClientSampleId :

R-LA-33-2-WC

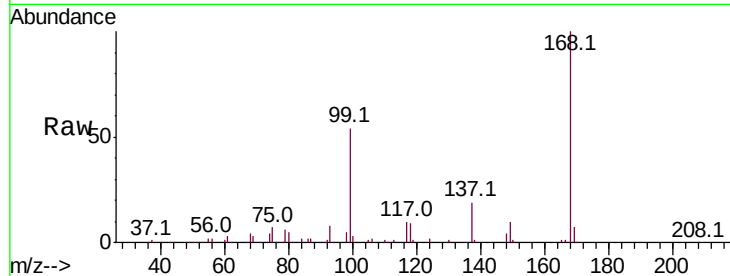
Tot Ion: 56 Resp: 4936

Ion Ratio Lower Upper

56 100

69 163.1 25.9 38.9#

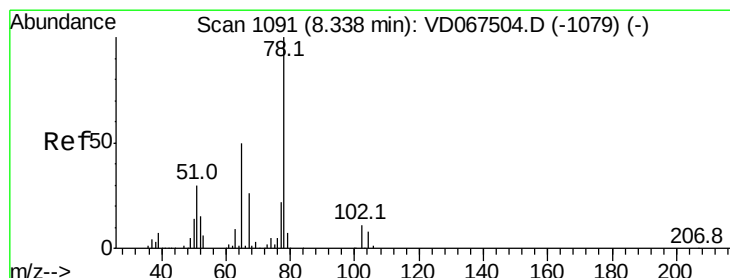
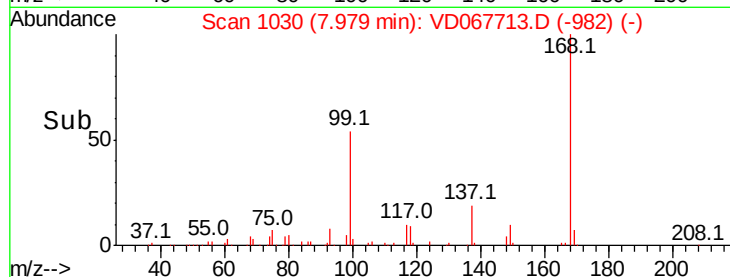
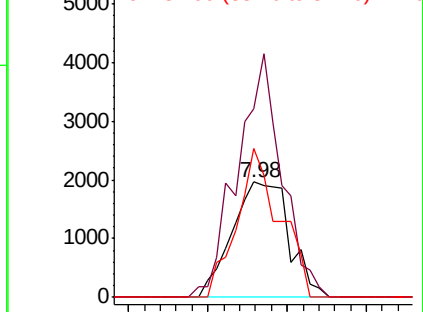
84 128.6 76.2 114.4#



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: 56.632 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067713.D

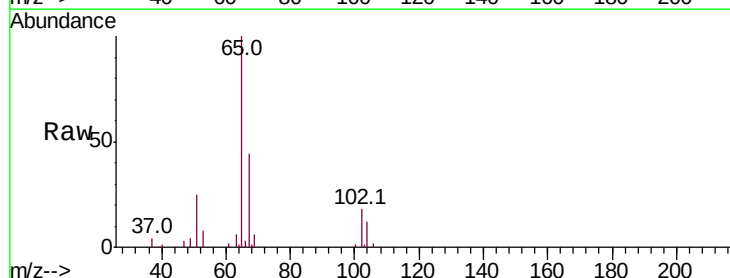
Acq: 19 Nov 2020 17:26

Tgt Ion: 65 Resp: 121504

Ion Ratio Lower Upper

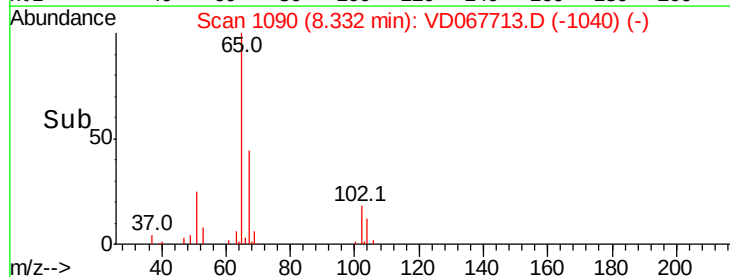
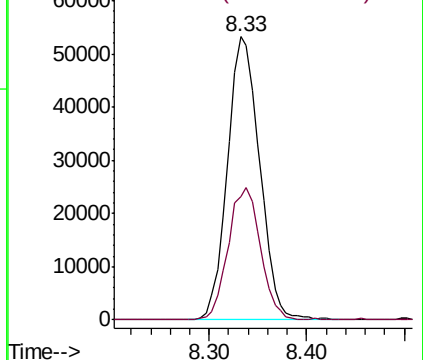
65 100

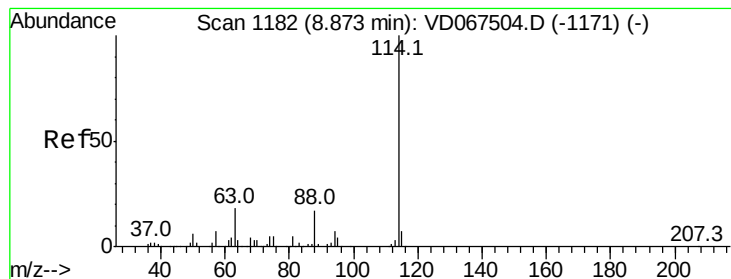
67 46.9 0.0 99.4



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: VD067713.D

Acq: 19 Nov 2020 17:26

Instrument :

MSVOA_D

ClientSampleId :

R-LA-33-2-WC

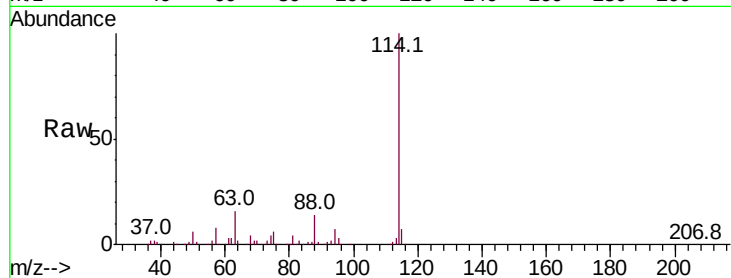
Tot Ion:114 Resp: 381187

Ion Ratio Lower Upper

114 100

63 16.1 0.0 35.0

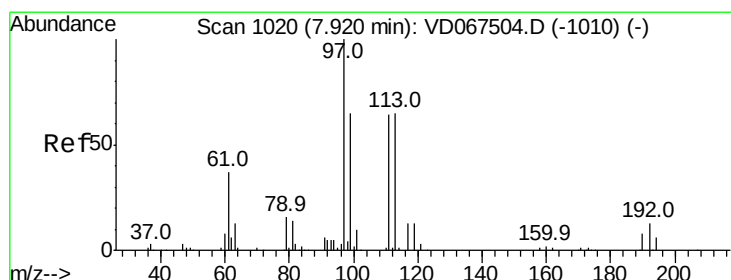
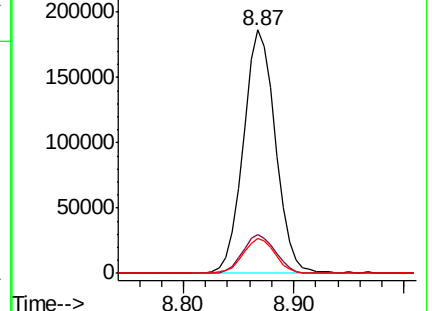
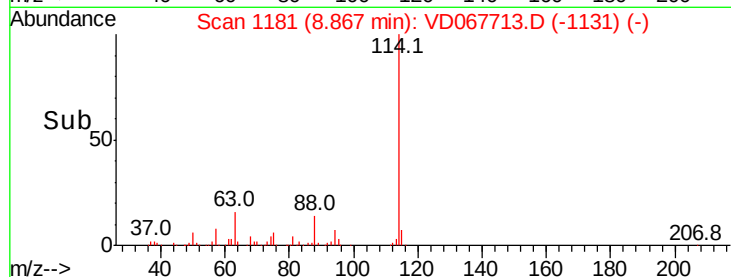
88 14.5 0.0 33.0



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: 51.893 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067713.D

Acq: 19 Nov 2020 17:26

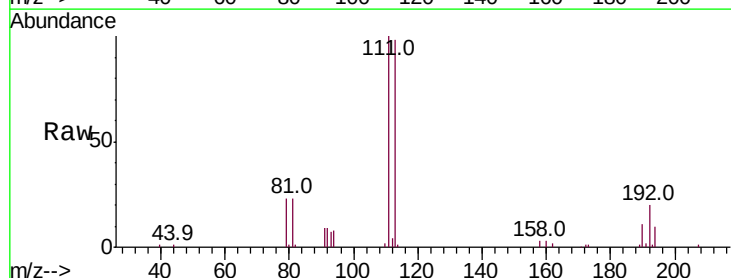
Tgt Ion:113 Resp: 119179

Ion Ratio Lower Upper

113 100

111 101.5 80.0 120.0

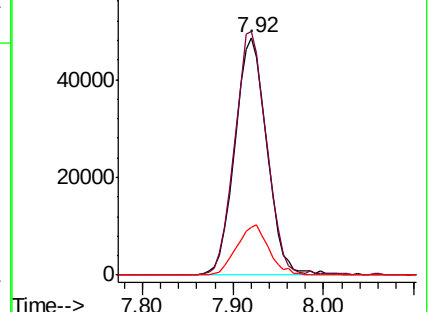
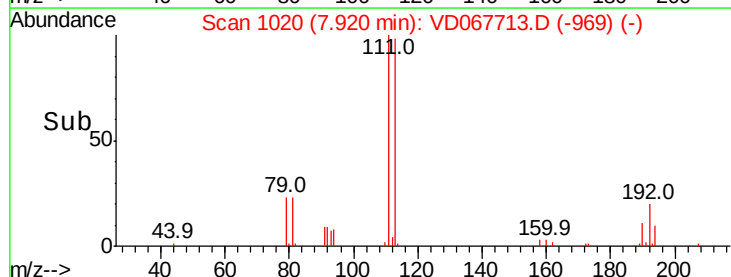
192 21.1 16.3 24.5

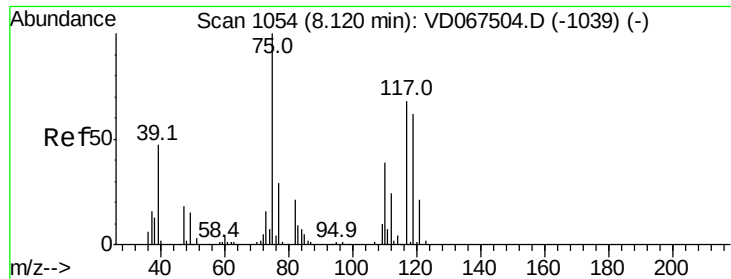


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.016 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067713.D

Acq: 19 Nov 2020 17:26

Instrument :

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ClientSampleId :

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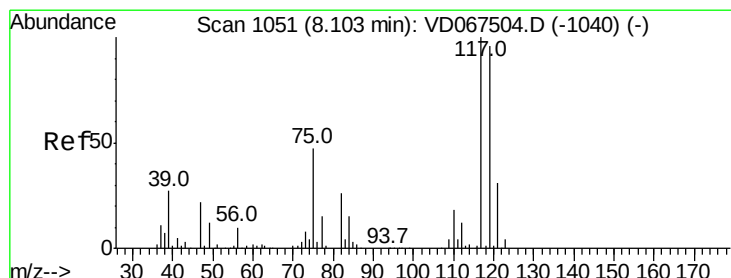
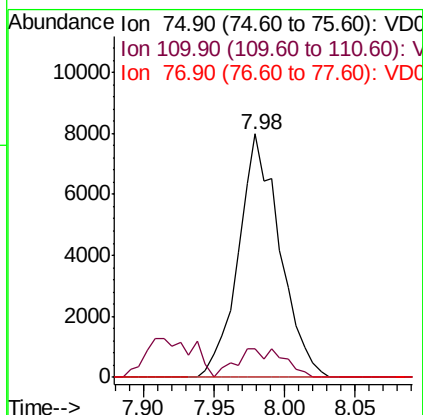
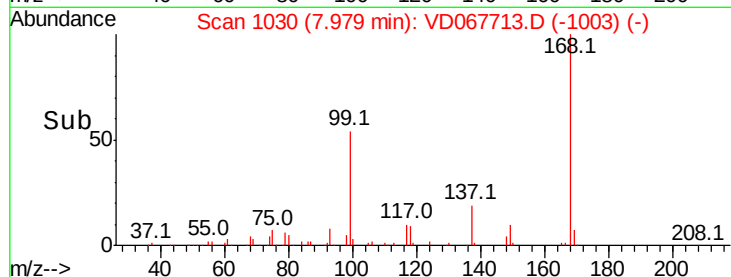
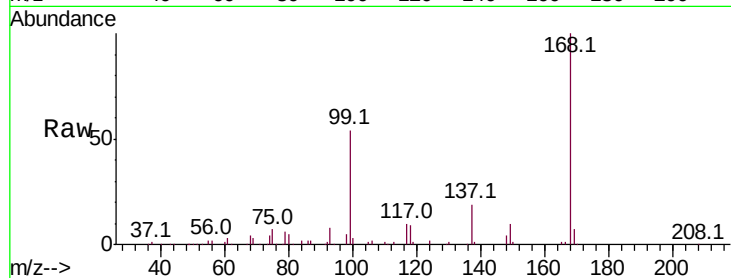
Tot Ion: 75 Resp: 16366

Ion Ratio Lower Upper

75 100

110 13.6 19.9 59.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.180 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067713.D

Acq: 19 Nov 2020 17:26

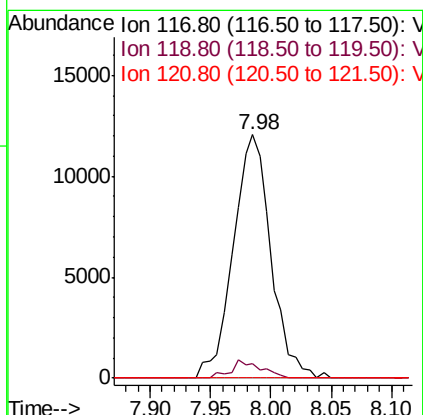
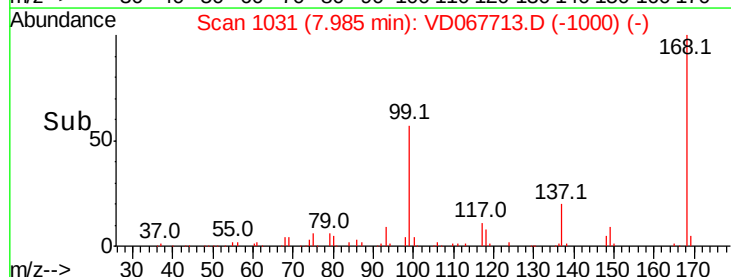
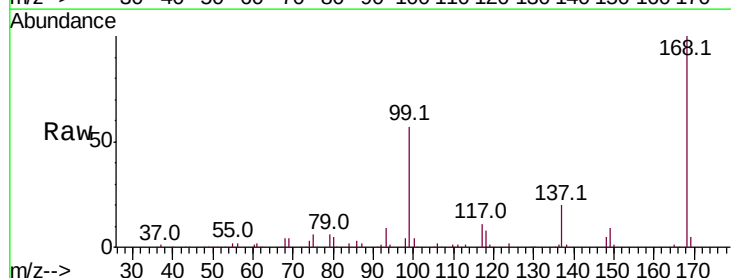
Tgt Ion: 117 Resp: 26199

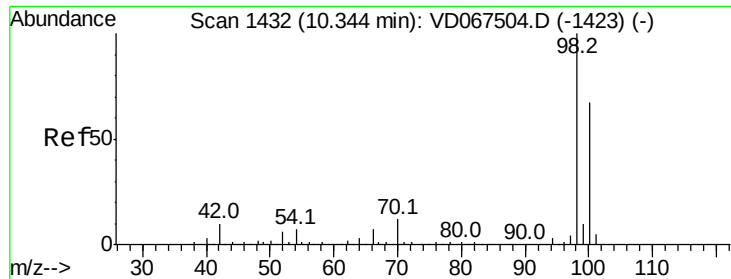
Ion Ratio Lower Upper

117 100

119 6.0 76.9 115.3#

121 0.0 24.5 36.7#

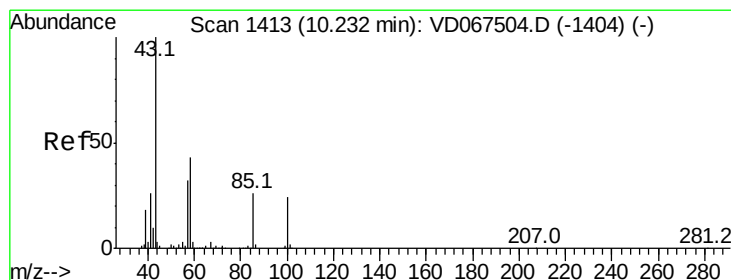
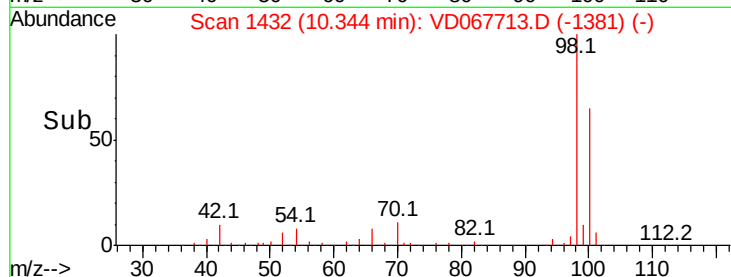
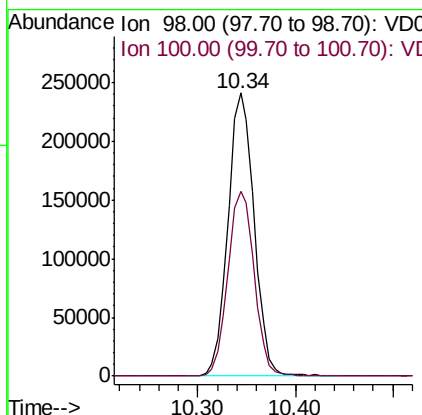
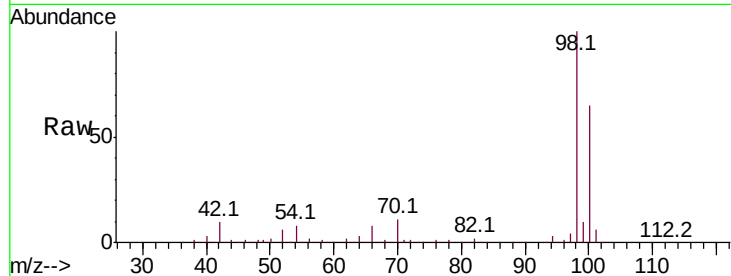




#50
Toluene-d8
Concen: 55.480 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067713.D
Acq: 19 Nov 2020 17:26

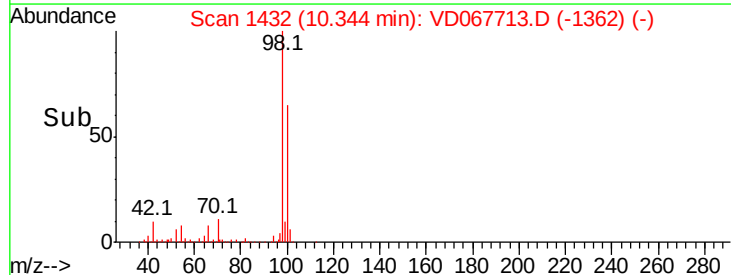
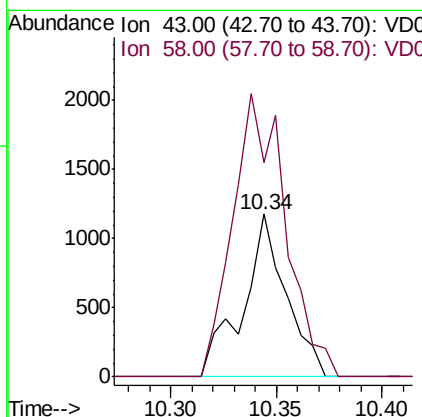
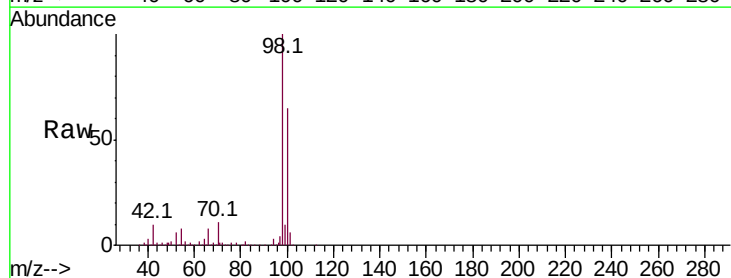
Instrument :
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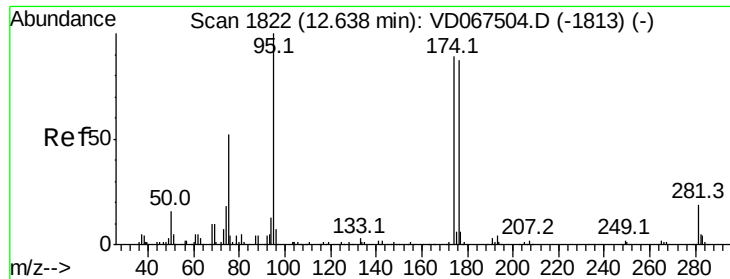
Tot Ion: 98 Resp: 447775
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.099 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067713.D
Acq: 19 Nov 2020 17:26

Tgt Ion: 43 Resp: 1682
Ion Ratio Lower Upper
43 100
58 210.6 35.6 53.4#

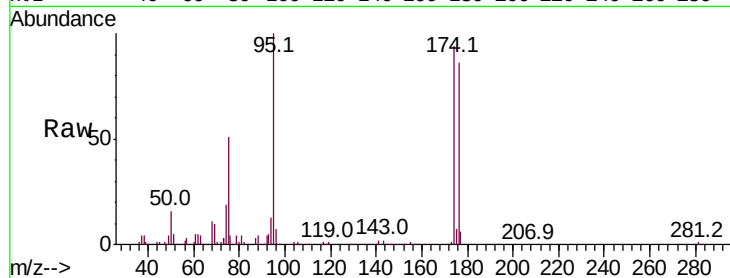




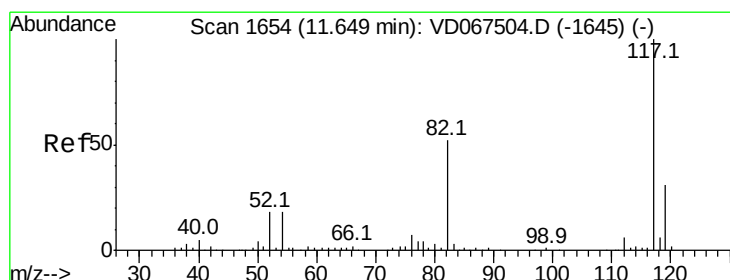
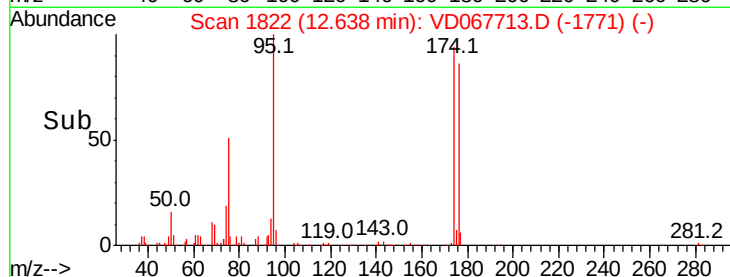
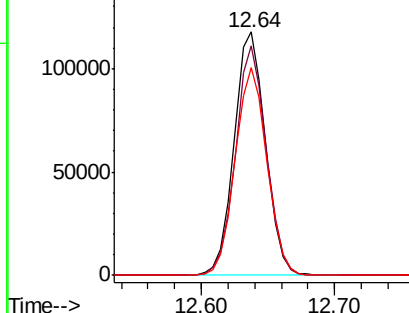
#62
4-Bromofluorobenzene
Concen: 68.575 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067713.D
Acq: 19 Nov 2020 17:26

Instrument :
MSVOA_D
ClientSampleId :
R-LA-33-2-WC

Tot Ion: 95 Resp: 191081
Ion Ratio Lower Upper
95 100
174 92.7 0.0 177.8
176 86.3 0.0 172.0

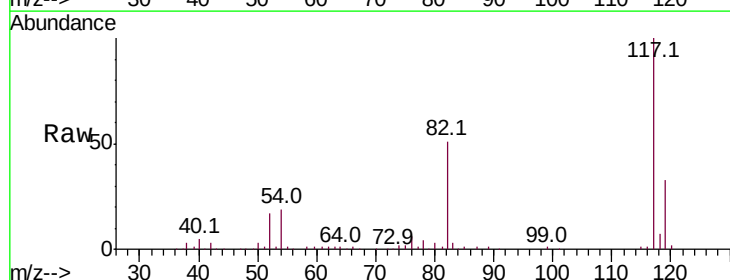


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

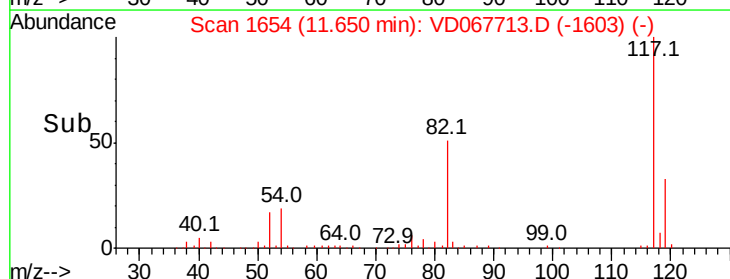
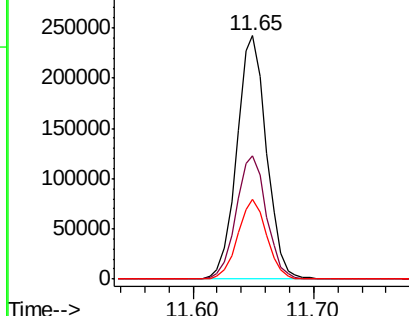


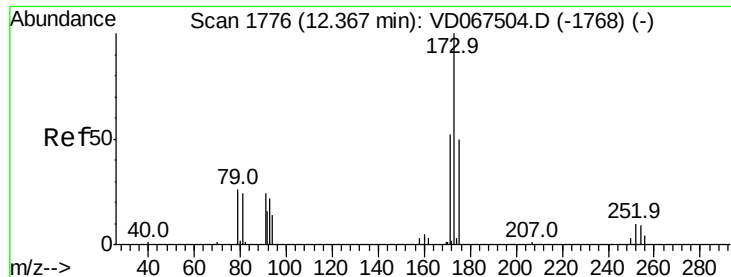
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067713.D
Acq: 19 Nov 2020 17:26

Tgt Ion: 117 Resp: 414404
Ion Ratio Lower Upper
117 100
82 50.8 41.6 62.4
119 32.7 25.1 37.7



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

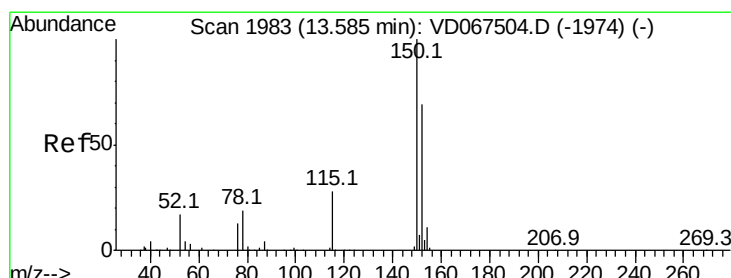
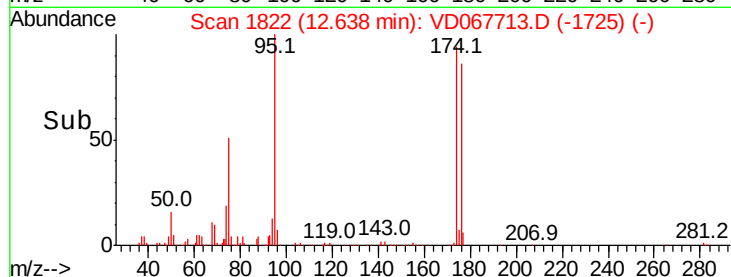
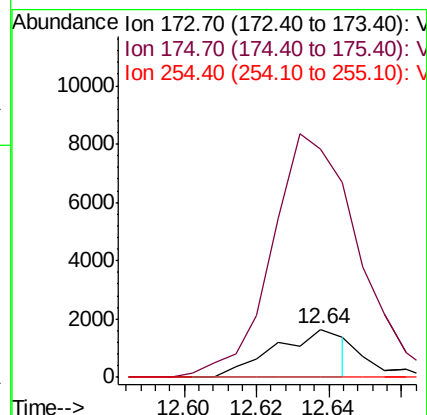
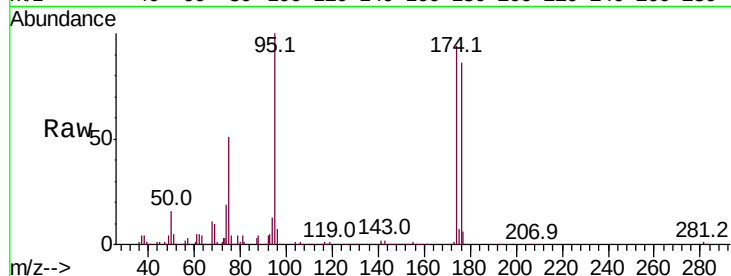




#71
Bromoform
Concen: 1.384 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD067713.D
Acq: 19 Nov 2020 17:26

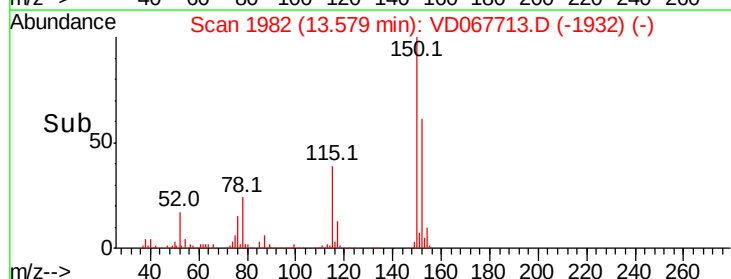
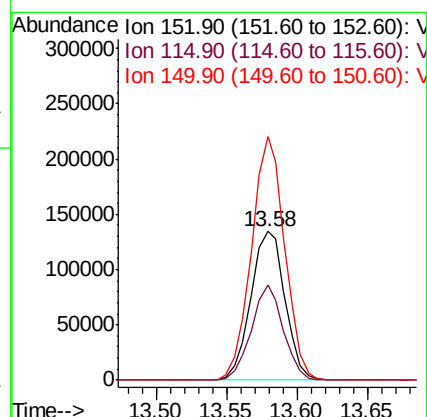
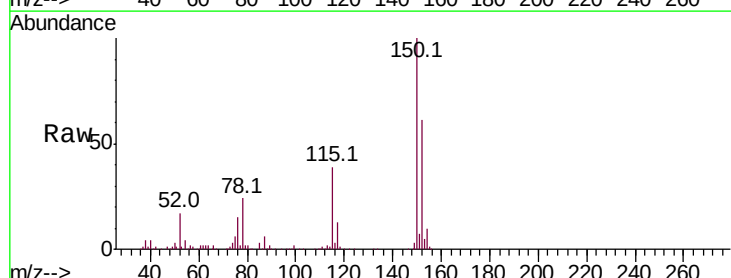
Instrument :
MSVOA_D
ClientSampleId :
R-LA-33-2-WC

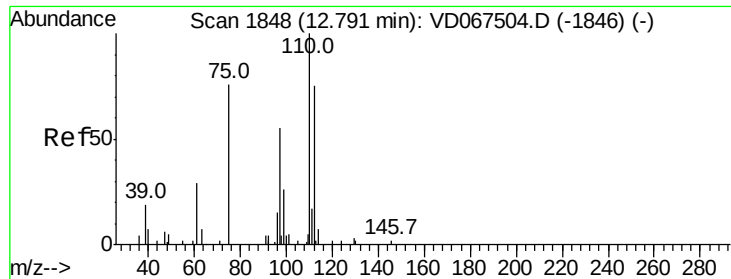
Tot Ion:173 Resp: 2221
Ion Ratio Lower Upper
173 100
175 507.2 24.1 72.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067713.D
Acq: 19 Nov 2020 17:26

Tgt Ion:152 Resp: 228750
Ion Ratio Lower Upper
152 100
115 59.6 29.3 88.0
150 158.4 0.0 338.2

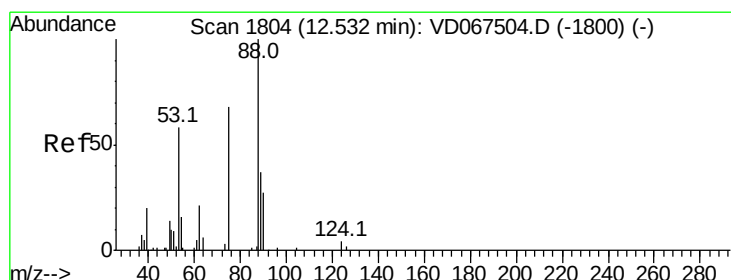
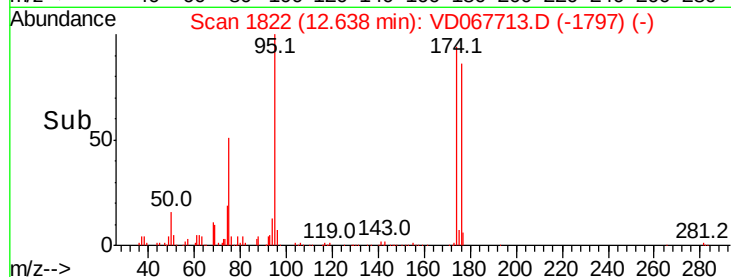
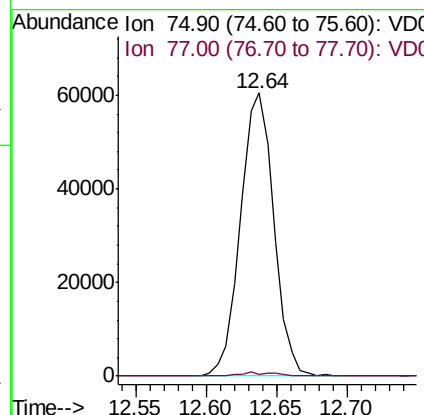
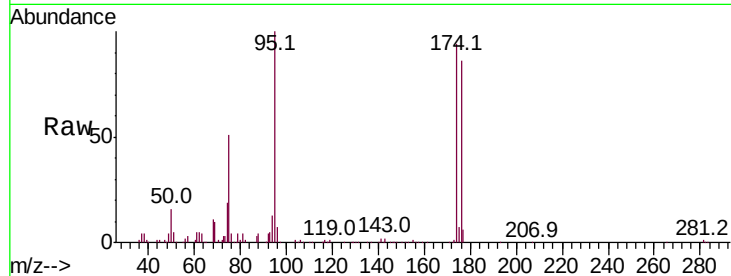




#76
 1,2,3-Trichloropropane
 Concen: 72.130 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067713.D
 Acq: 19 Nov 2020 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 R-LA-33-2-WC

Tot Ion: 75 Resp: 99536
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.443 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067713.D
 Acq: 19 Nov 2020 17:26

Tgt Ion: 75 Resp: 99536
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.9 113.9#
 89 0.0 44.6 67.0#

