

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
 Data File : VD067612.D
 Acq On : 11 Nov 2020 19:42
 Operator : VA/SY
 Sample : L4715-01
 Misc : 7.32G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 M-6(10-20)

Quant Time: Nov 12 00:11:37 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	363479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	583412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	603221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311213	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	172605	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
35) Dibromofluoromethane	7.92	113	188016	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
50) Toluene-d8	10.34	98	686695	55.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.18%	
62) 4-Bromofluorobenzene	12.64	95	273924	64.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.46%	

Target Compounds

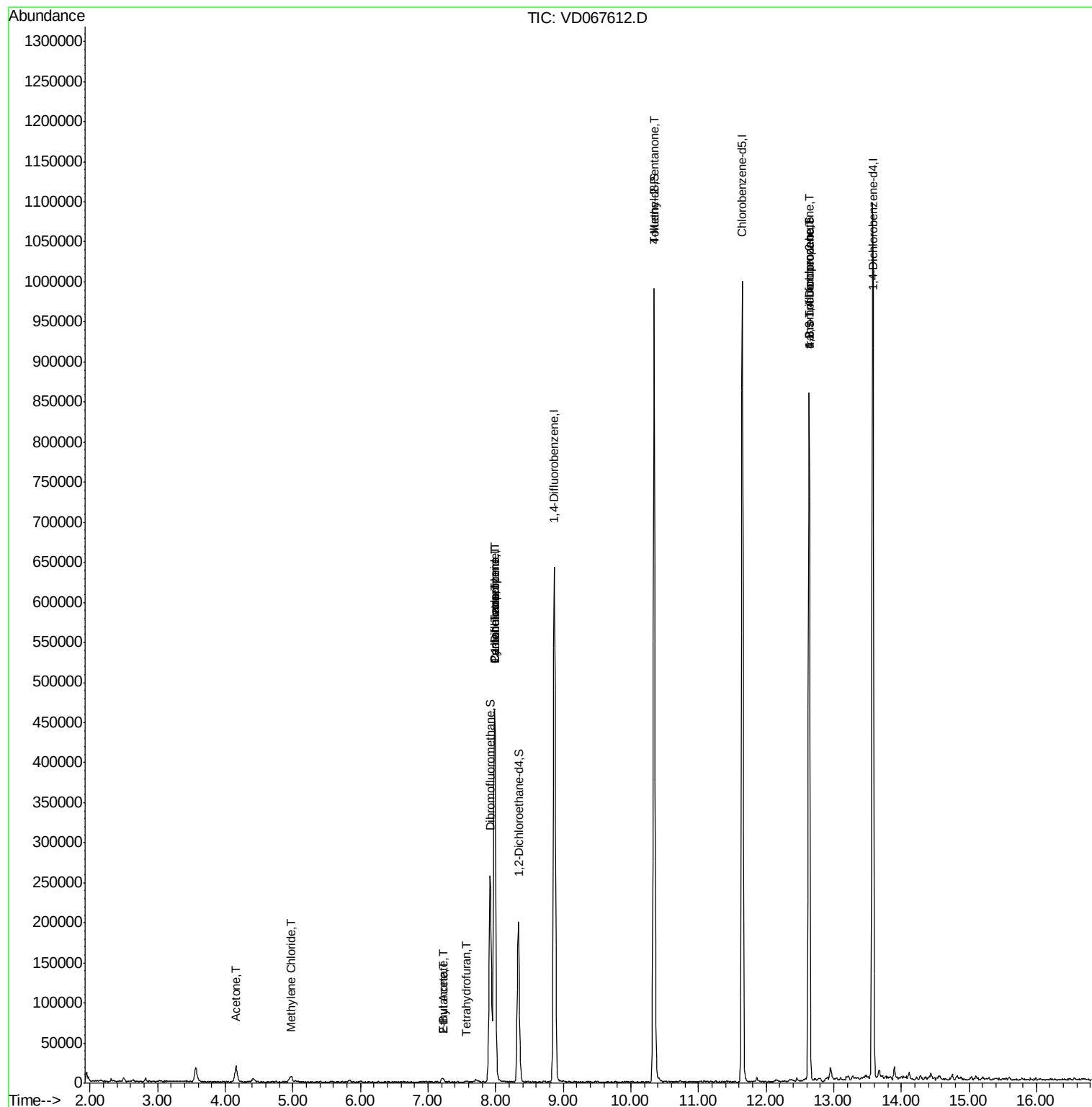
						Qvalue
2) Dichlorodifluoromethane	1.98	85	73	Below Cal	#	44
11) Tert butyl alcohol	5.22	59	65	Below Cal	#	79
16) Acetone	4.16	43	32758	68.877	ug/l	96
20) Methylene Chloride	4.98	84	6592	1.962	ug/l #	67
25) 2-Butanone	7.22	43	8280	16.293	ug/l #	84
29) Tetrahydrofuran	7.56	42	616	2.024	ug/l #	31
31) Cyclohexane	7.98	56	6293	1.365	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	24446	4.895	ug/l #	52
37) Ethyl Acetate	7.22	43	8280	6.386	ug/l #	63
38) Carbon Tetrachloride	7.98	117	37806	5.827	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2603	2.123	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	136255	72.576	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	136255	147.348	ug/l #	10

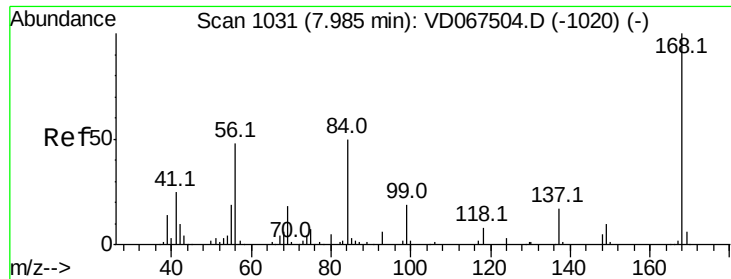
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067612.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_D

ClientSampleId :

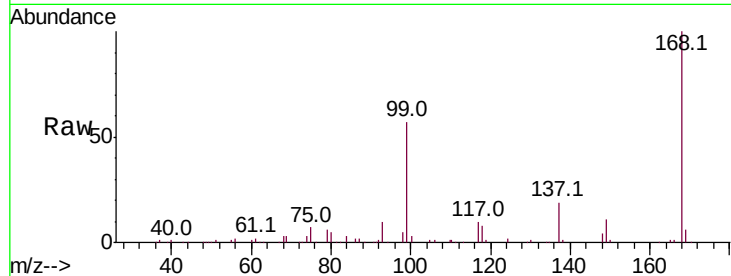
M-6(10-20)

Tot Ion:168 Resp: 363479

Ion Ratio Lower Upper

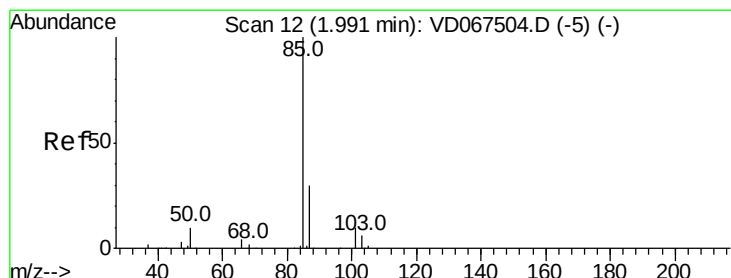
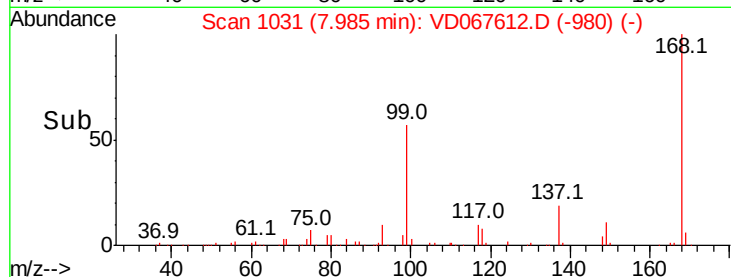
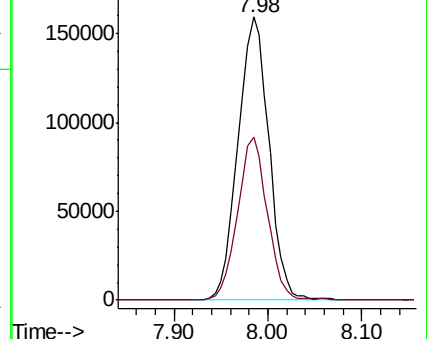
168 100

99 57.4 45.0 67.6



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: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD067612.D

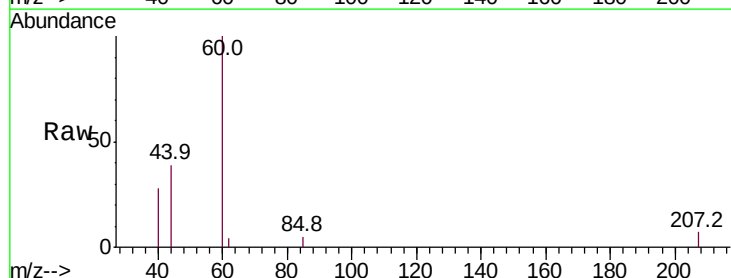
Acq: 11 Nov 2020 19:42

Tgt Ion: 85 Resp: 73

Ion Ratio Lower Upper

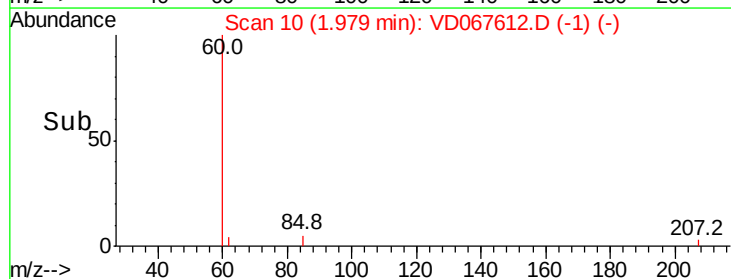
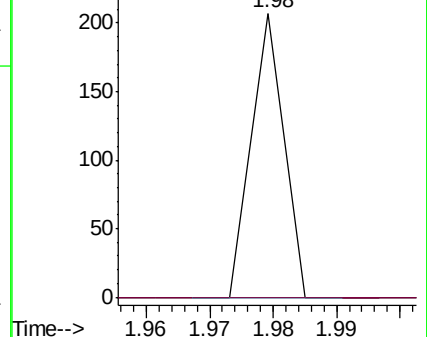
85 100

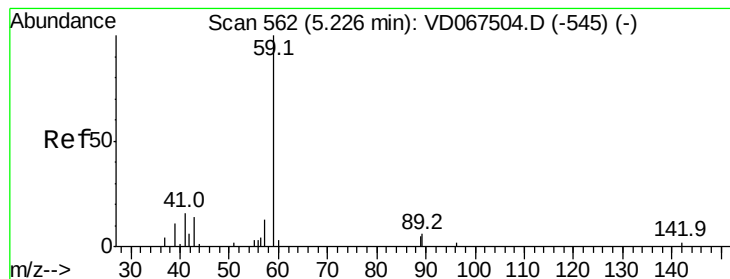
87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



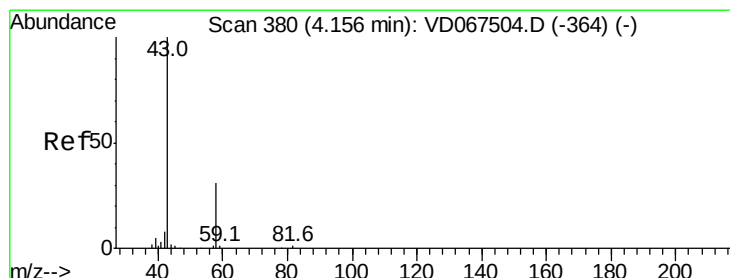
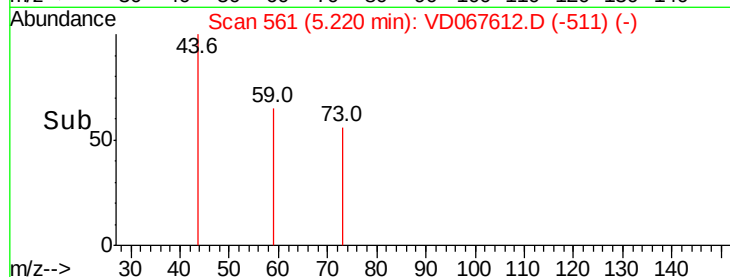
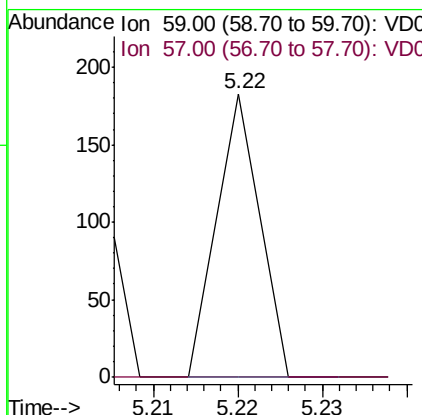
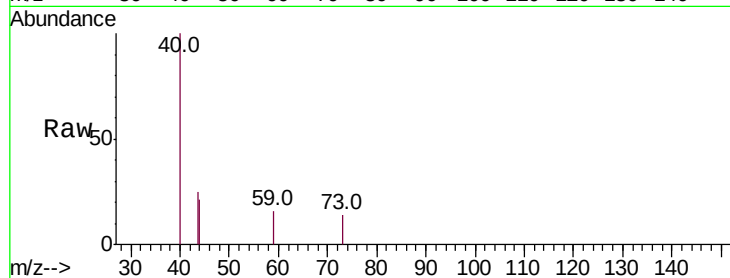


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD067612.D
Acq: 11 Nov 2020 19:42

Instrument :
MSVOA_D
ClientSampleId :
M-6(10-20)

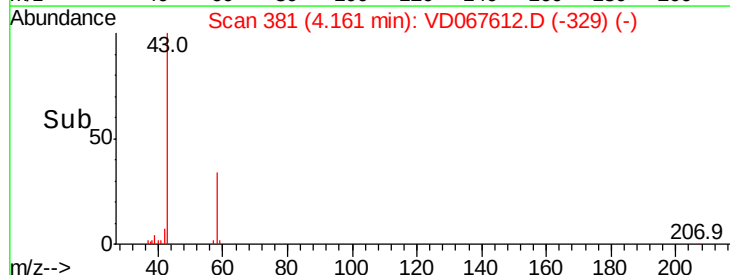
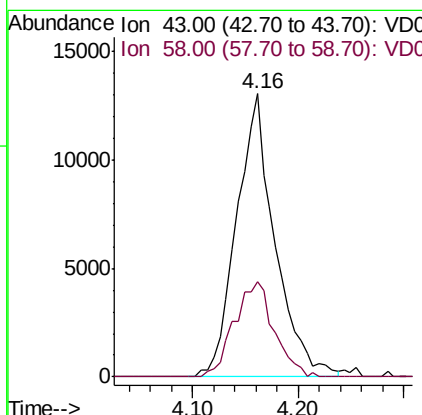
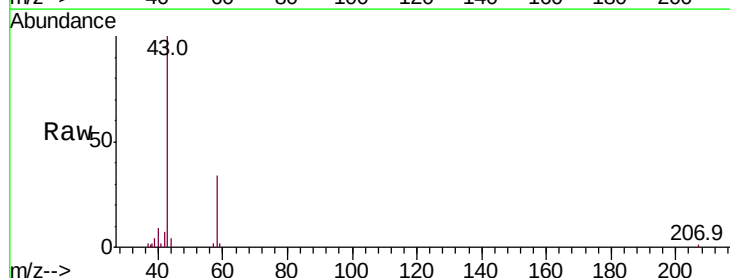
Tot Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#

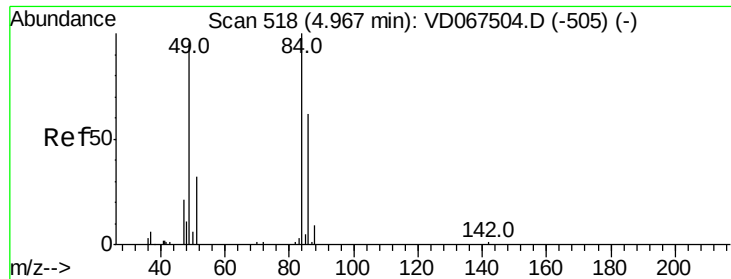


#16

Acetone
Concen: 68.877 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD067612.D
Acq: 11 Nov 2020 19:42

Tgt Ion: 43 Resp: 32758
Ion Ratio Lower Upper
43 100
58 33.6 25.2 37.8

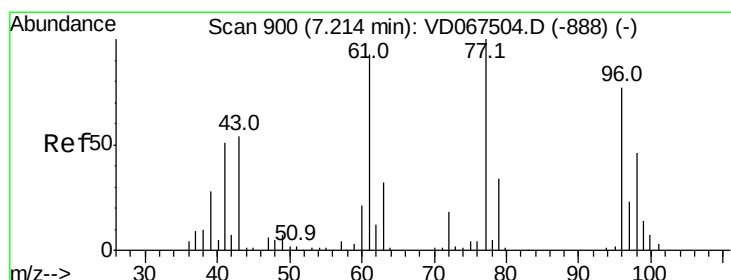
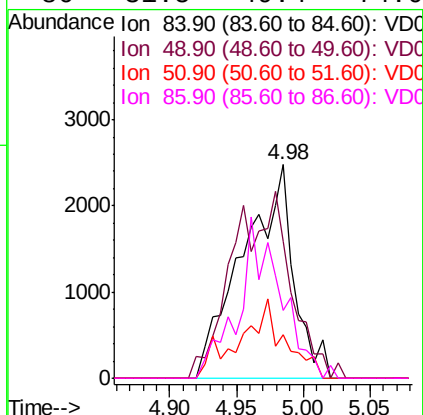
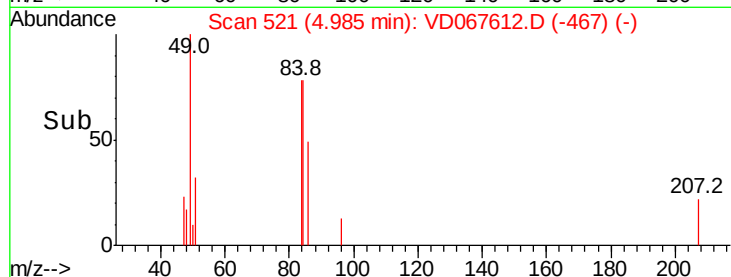
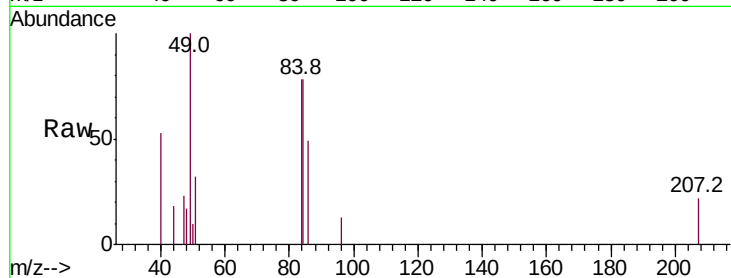




#20
Methylene Chloride
Concen: 1.962 ug/l
RT: 4.98 min Scan# 521
Delta R.T. 0.02 min
Lab File: VD067612.D
Acq: 11 Nov 2020 19:42

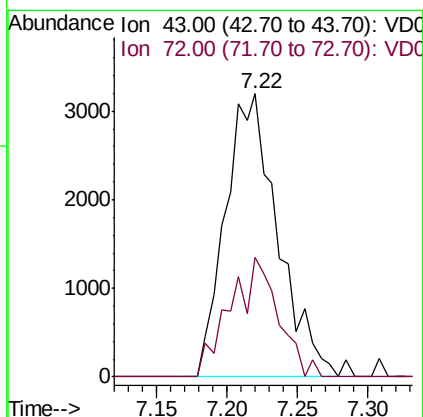
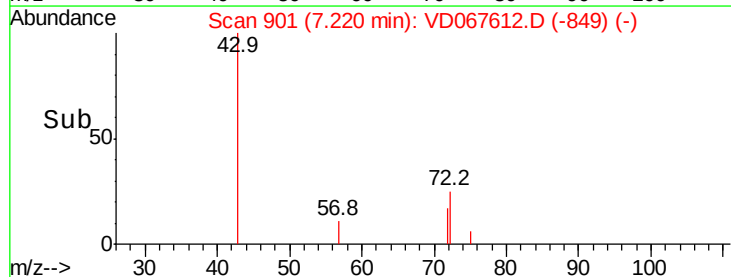
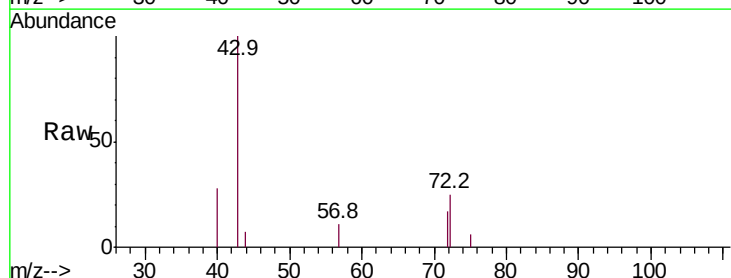
Instrument :
MSVOA_D
ClientSampleId :
M-6(10-20)

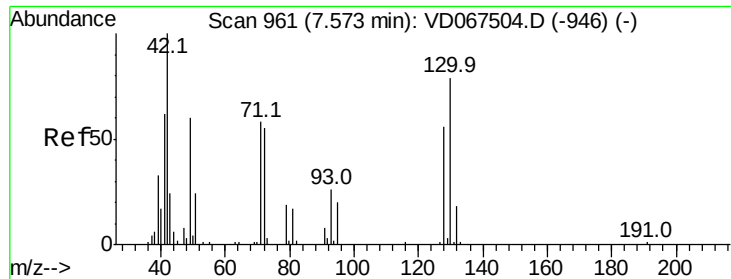
Tot Ion: 84 Resp: 6592
Ion Ratio Lower Upper
84 100
49 64.2 77.0 115.4#
51 20.4 25.4 38.2#
86 31.5 49.4 74.0#



#25
2-Butanone
Concen: 16.293 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067612.D
Acq: 11 Nov 2020 19:42

Tgt Ion: 43 Resp: 8280
Ion Ratio Lower Upper
43 100
72 42.2 26.4 39.6#





#29

Tetrahydrofuran

Concen: 2.024 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067612.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_D

ClientSampleId :

M-6(10-20)

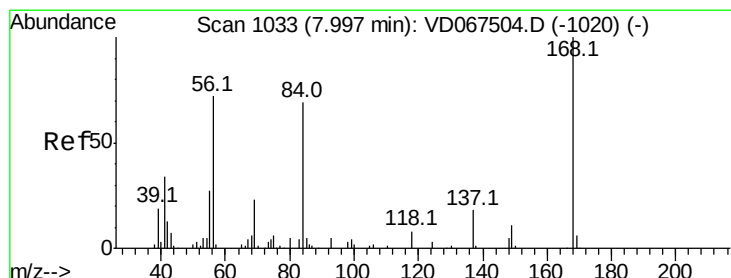
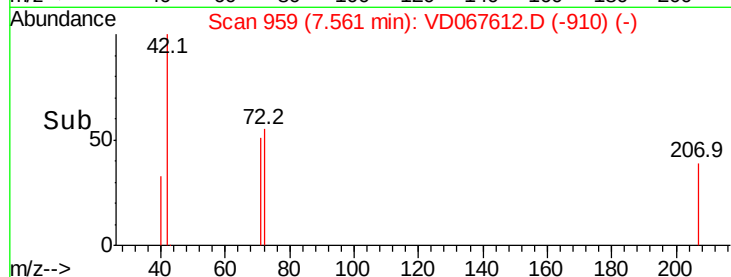
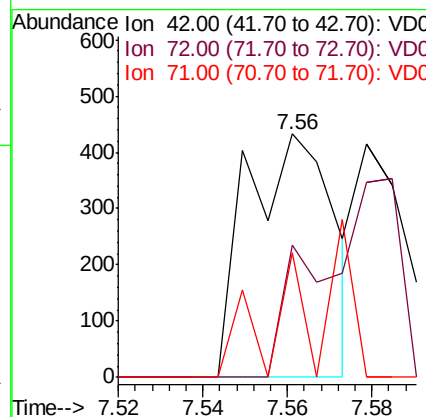
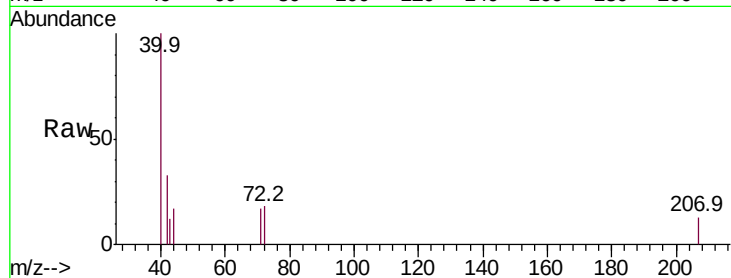
Tot Ion: 42 Resp: 616

Ion Ratio Lower Upper

42 100

72 0.0 46.3 69.5#

71 12.7 44.0 66.0#



#31

Cyclohexane

Concen: 1.365 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VD067612.D

Acq: 11 Nov 2020 19:42

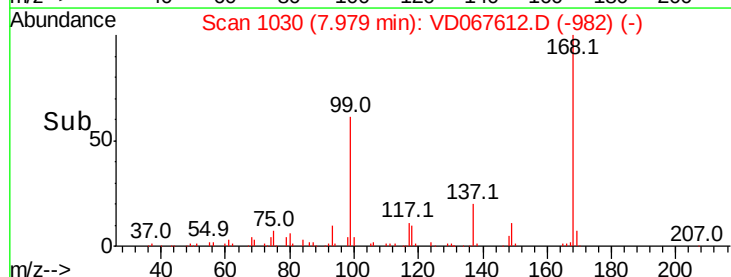
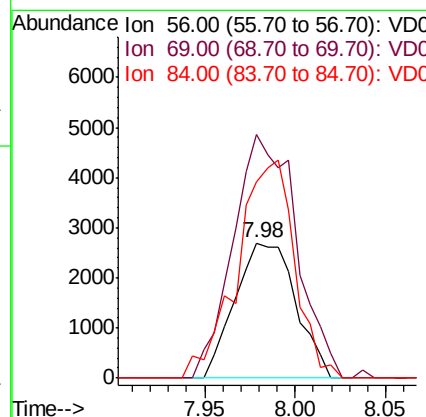
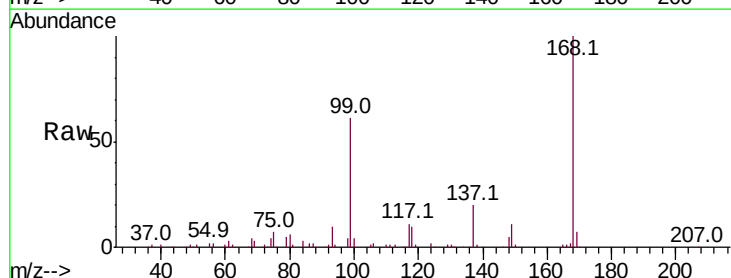
Tgt Ion: 56 Resp: 6293

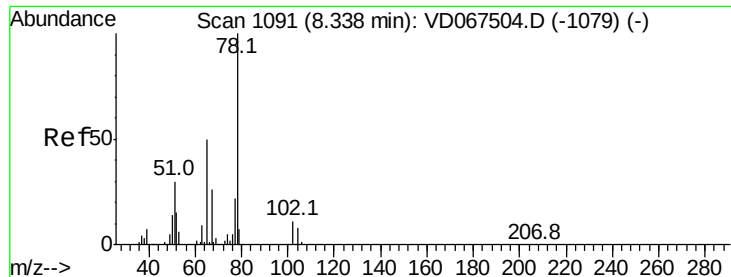
Ion Ratio Lower Upper

56 100

69 180.2 25.9 38.9#

84 145.6 76.2 114.4#

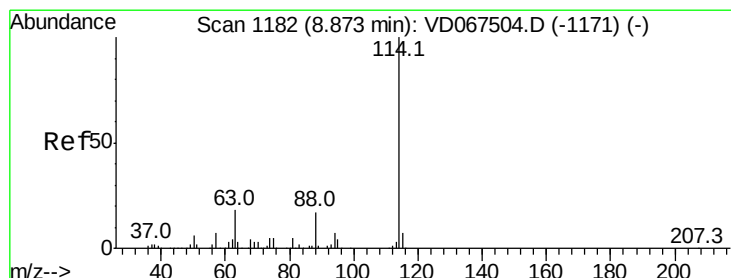
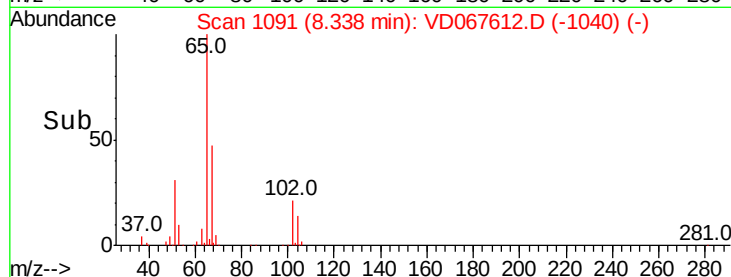
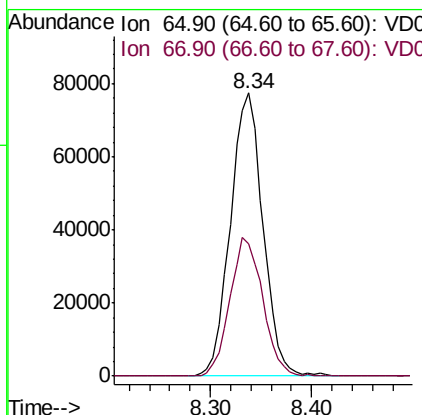
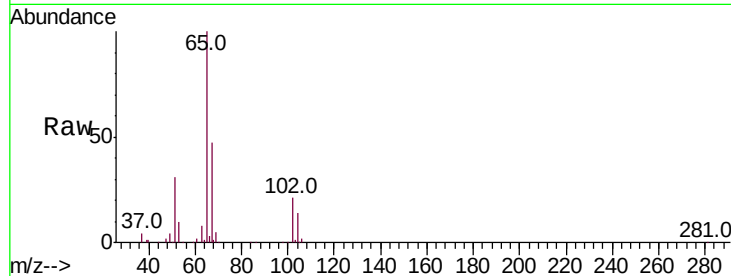




#33
 1,2-Dichloroethane-d4
 Concen: 54.309 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067612.D
 Acq: 11 Nov 2020 19:42

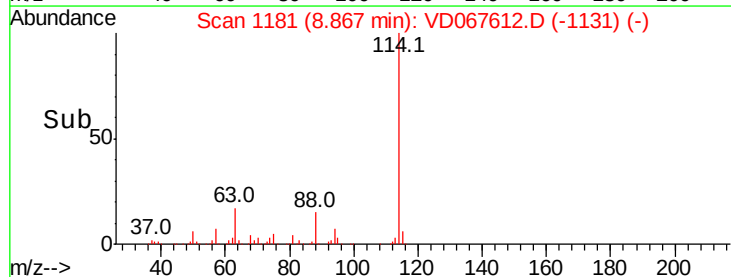
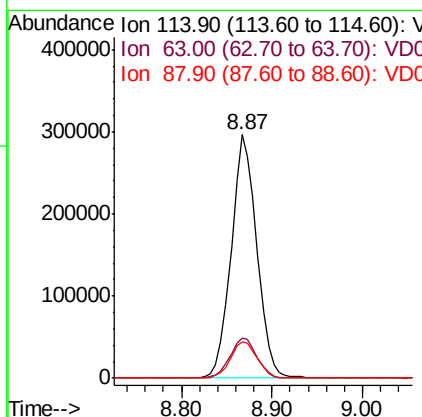
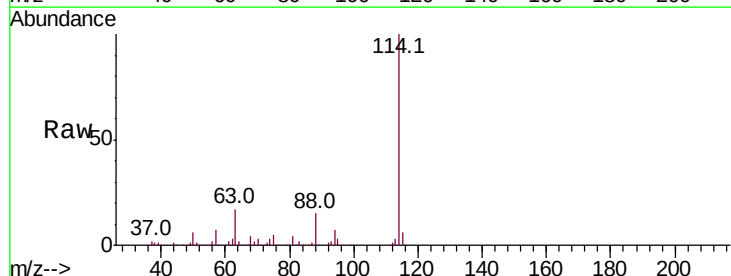
Instrument :
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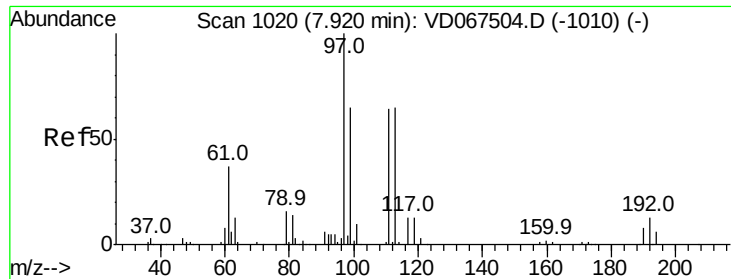
Tot Ion: 65 Resp: 172605
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067612.D
 Acq: 11 Nov 2020 19:42

Tgt Ion: 114 Resp: 583412
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 35.0
 88 15.1 0.0 33.0

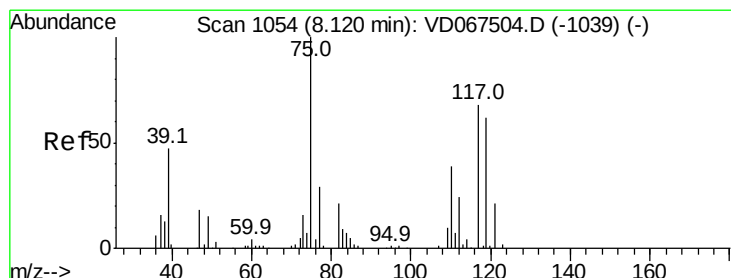
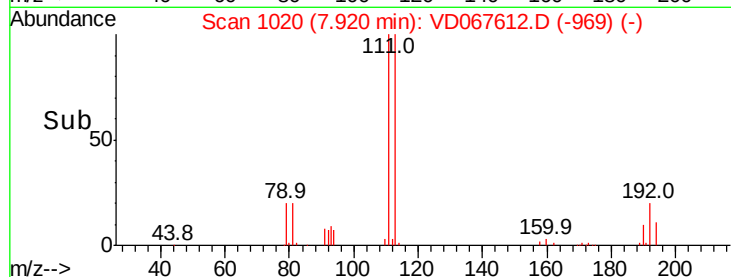
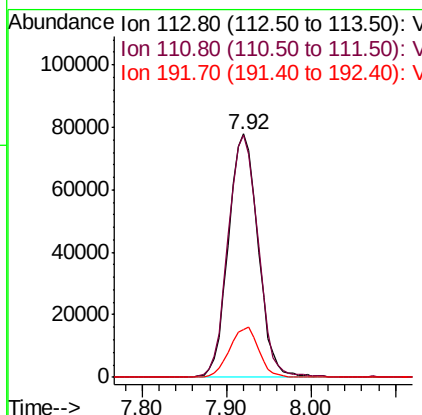
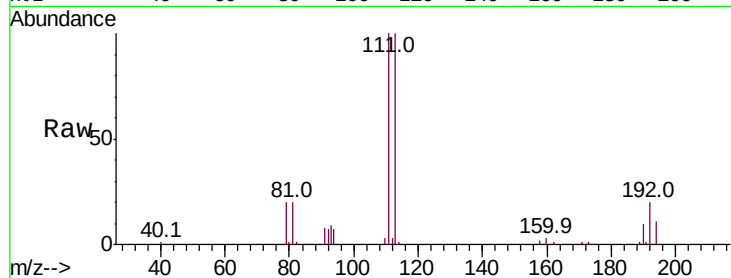




#35
 Dibromofluoromethane
 Concen: 53.489 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067612.D
 Acq: 11 Nov 2020 19:42

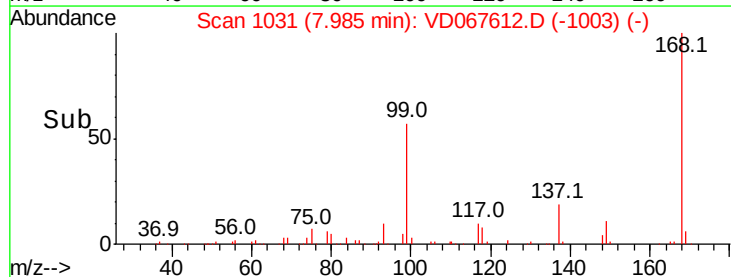
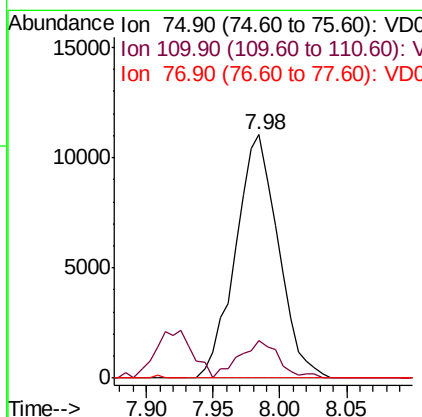
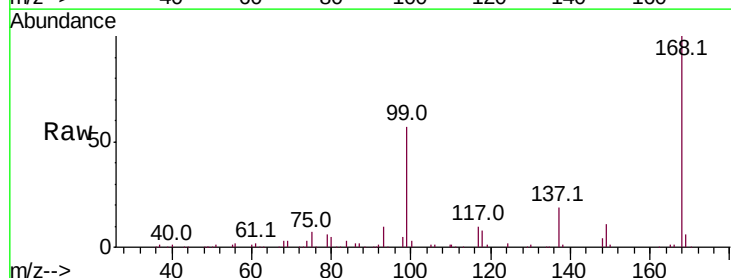
Instrument :
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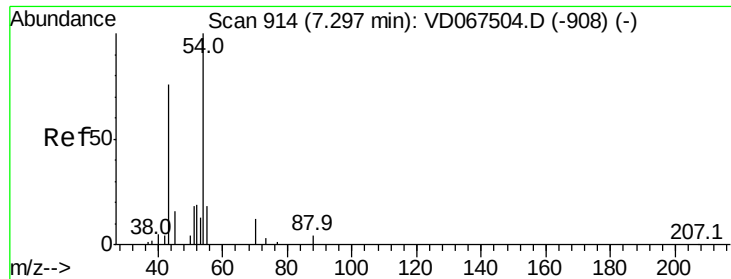
Tot Ion:113 Resp: 188016
 Ion Ratio Lower Upper
 113 100
 111 101.5 80.0 120.0
 192 20.2 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 4.895 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD067612.D
 Acq: 11 Nov 2020 19:42

Tgt Ion: 75 Resp: 24446
 Ion Ratio Lower Upper
 75 100
 110 14.3 19.9 59.7#
 77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 6.386 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.08 min

Lab File: VD067612.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_D

ClientSampleId :

M-6(10-20)

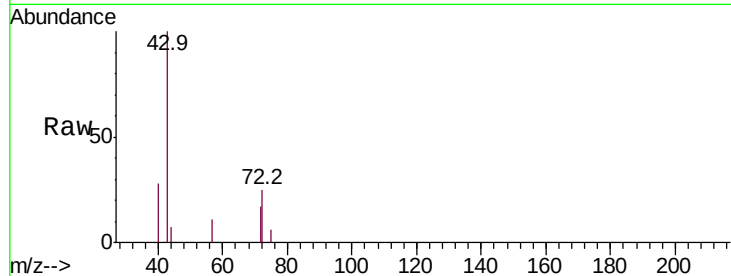
Tot Ion: 43 Resp: 8280

Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

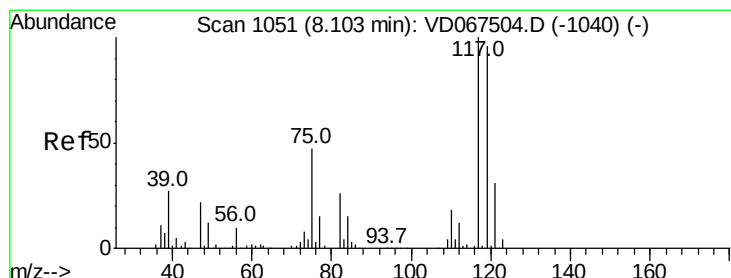
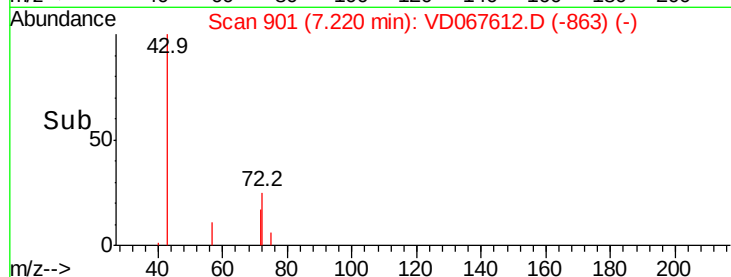
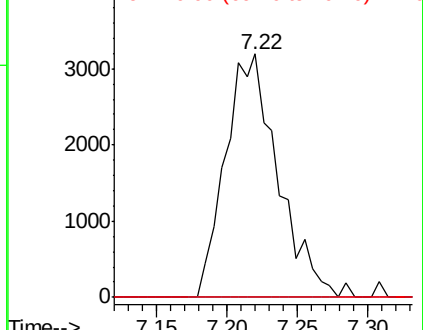
70 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.827 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067612.D

Acq: 11 Nov 2020 19:42

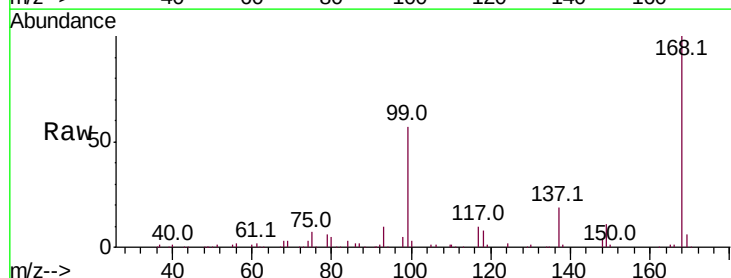
Tgt Ion: 117 Resp: 37806

Ion Ratio Lower Upper

117 100

119 5.2 76.9 115.3#

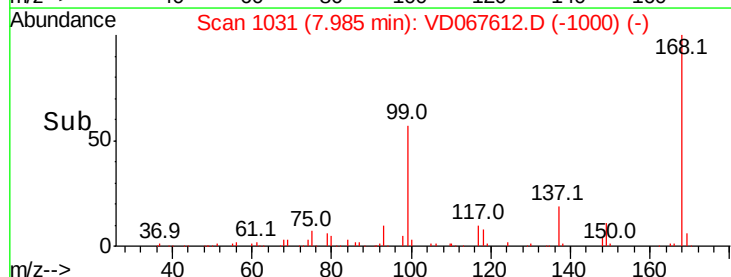
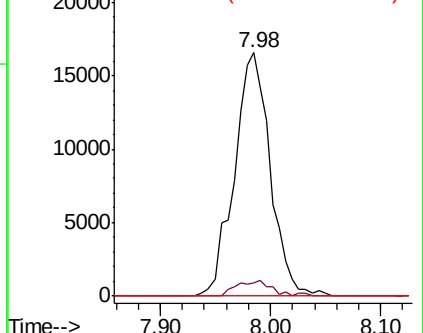
121 0.0 24.5 36.7#

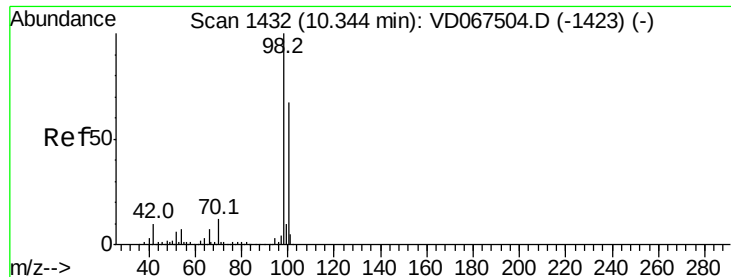


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

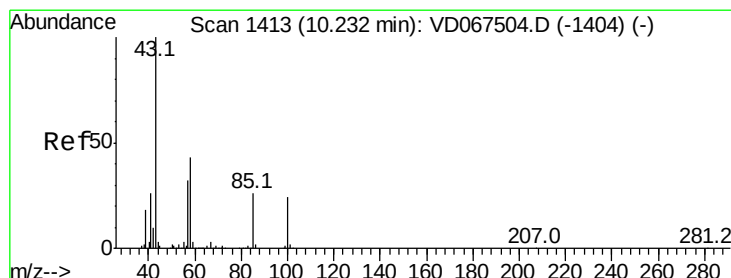
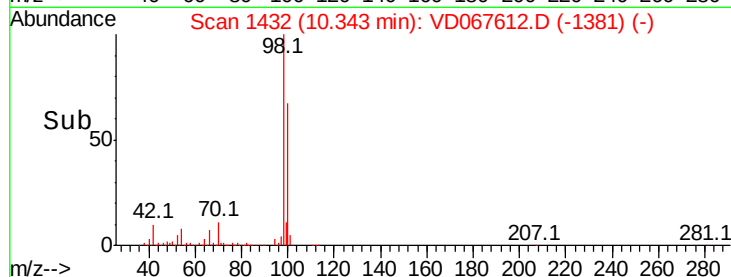
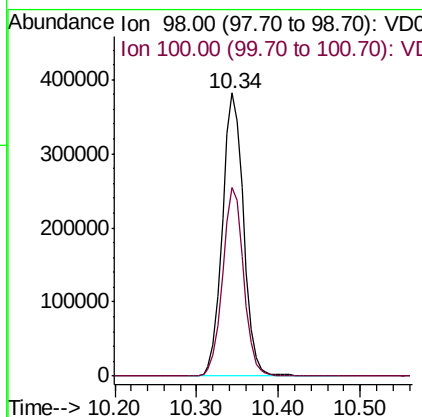
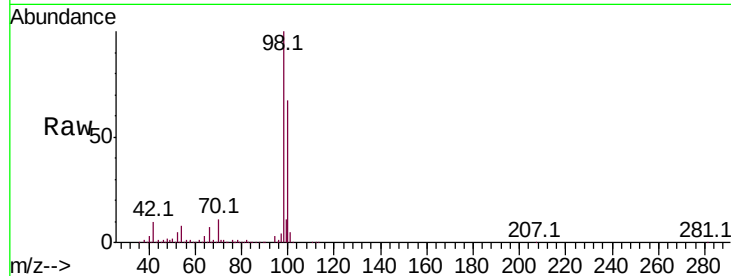




#50
Toluene-d8
Concen: 55.591 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067612.D
Acq: 11 Nov 2020 19:42

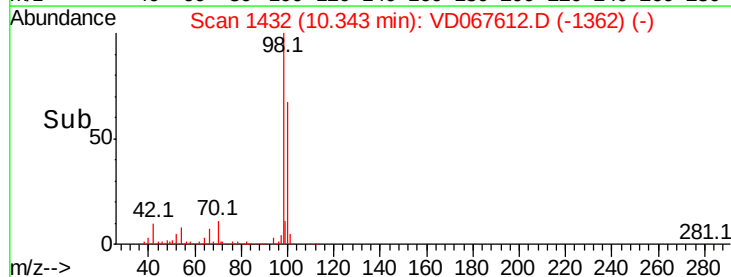
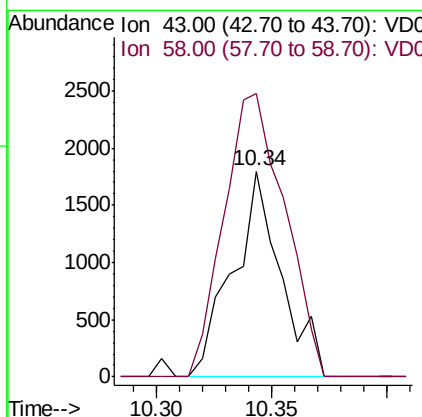
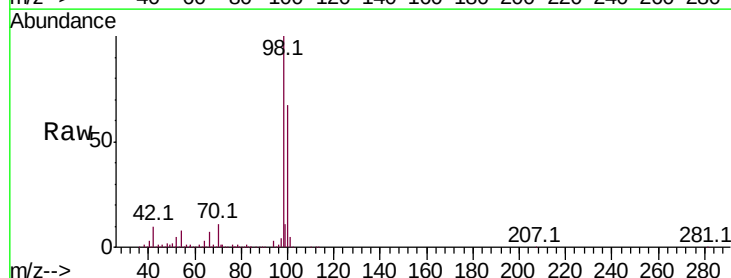
Instrument :
MSVOA_D
ClientSampleId :
M-6(10-20)

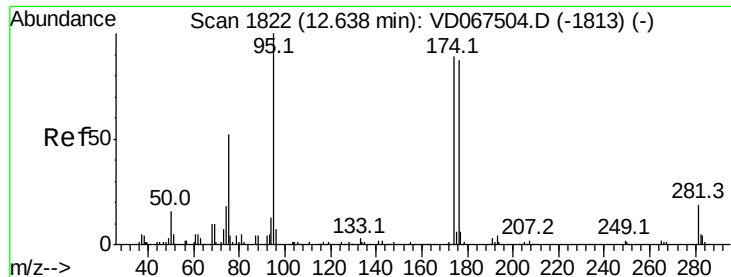
Tot Ion: 98 Resp: 686695
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.123 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067612.D
Acq: 11 Nov 2020 19:42

Tgt Ion: 43 Resp: 2603
Ion Ratio Lower Upper
43 100
58 174.4 35.6 53.4#





#62

4-Bromofluorobenzene

Concen: 64.230 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067612.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_D

ClientSampleId :

M-6(10-20)

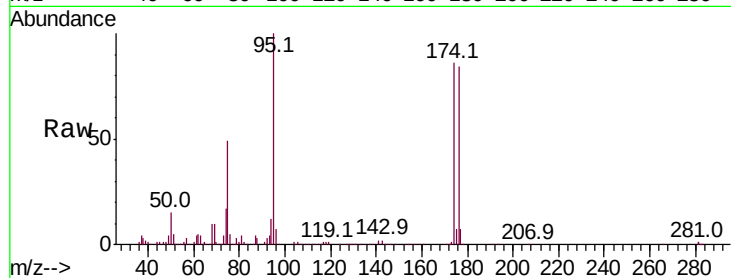
Tot Ion: 95 Resp: 273924

Ion Ratio Lower Upper

95 100

174 89.0 0.0 177.8

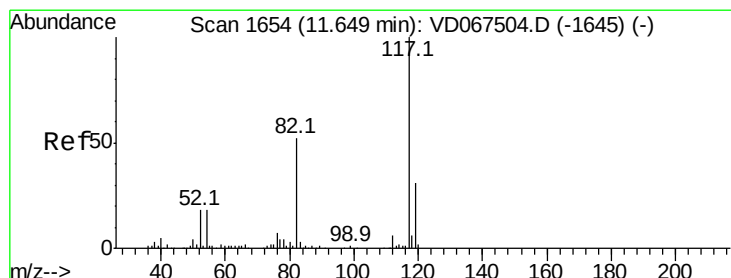
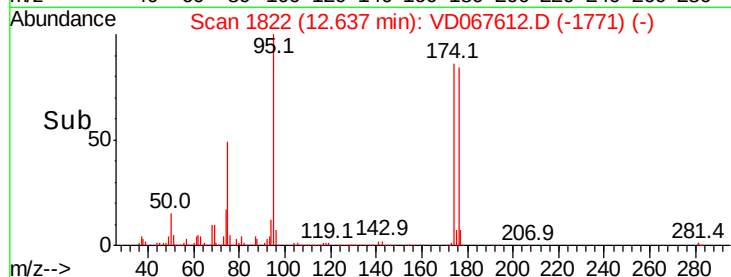
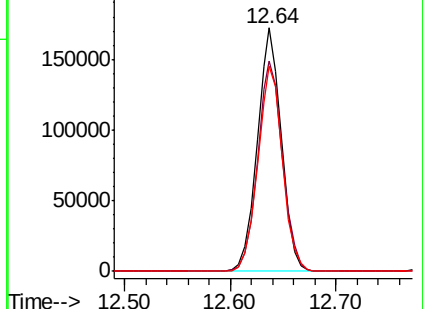
176 85.6 0.0 172.0



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: VD067612.D

Acq: 11 Nov 2020 19:42

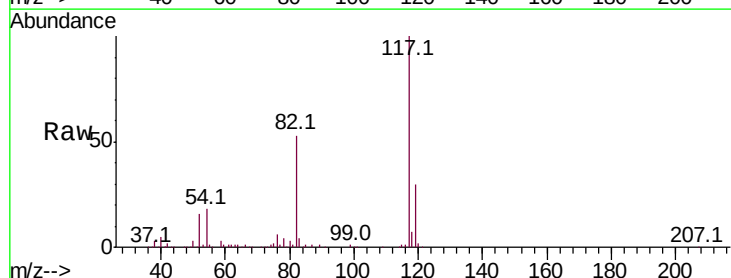
Tgt Ion: 117 Resp: 603221

Ion Ratio Lower Upper

117 100

82 53.1 41.6 62.4

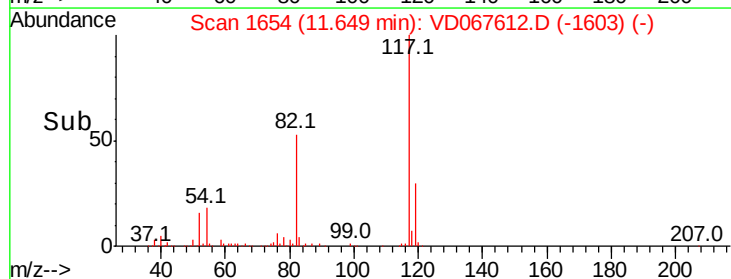
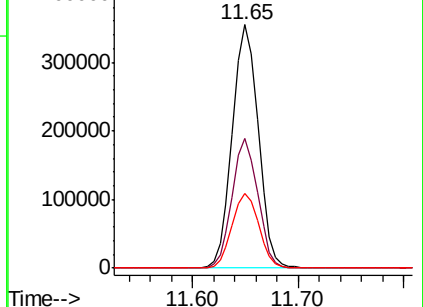
119 30.5 25.1 37.7

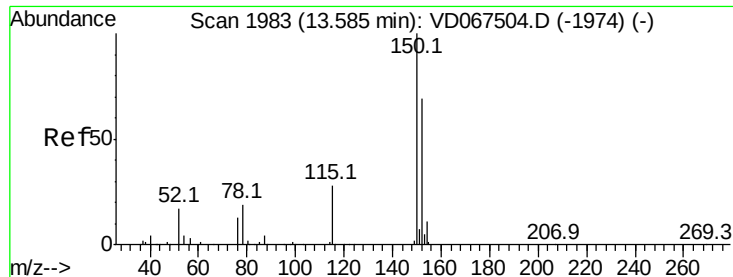


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067612.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_D

ClientSampleId :

M-6(10-20)

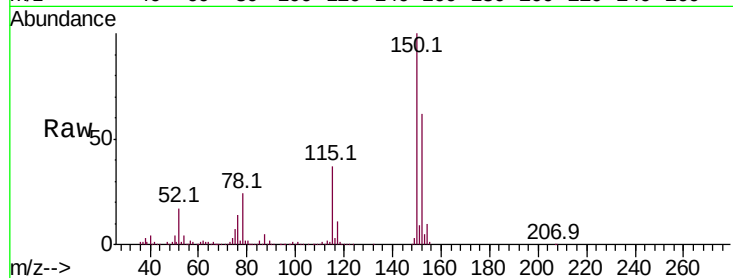
Tot Ion:152 Resp: 311213

Ion Ratio Lower Upper

152 100

115 58.8 29.3 88.0

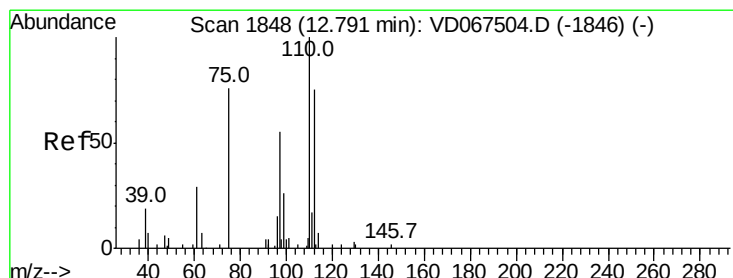
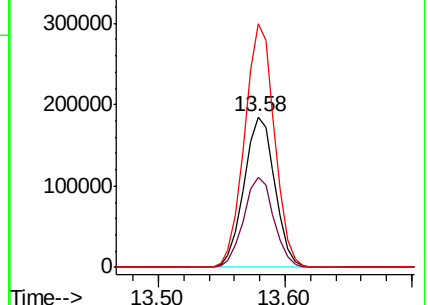
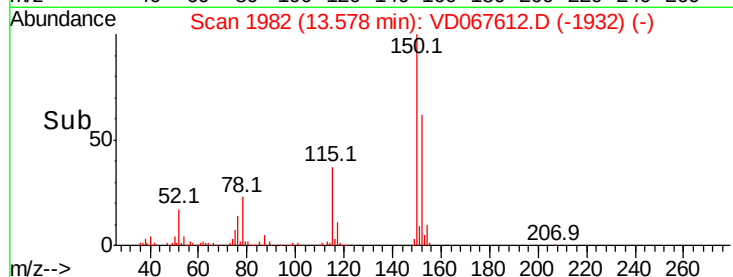
150 157.7 0.0 338.2



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: 72.576 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067612.D

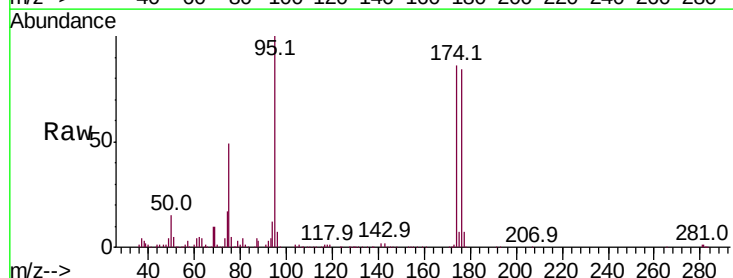
Acq: 11 Nov 2020 19:42

Tgt Ion: 75 Resp: 136255

Ion Ratio Lower Upper

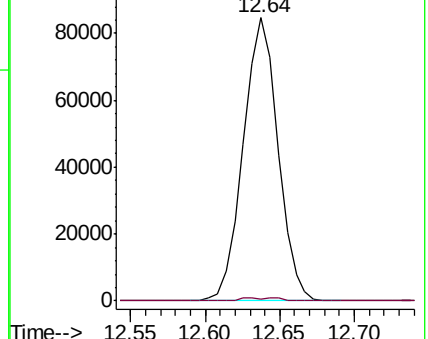
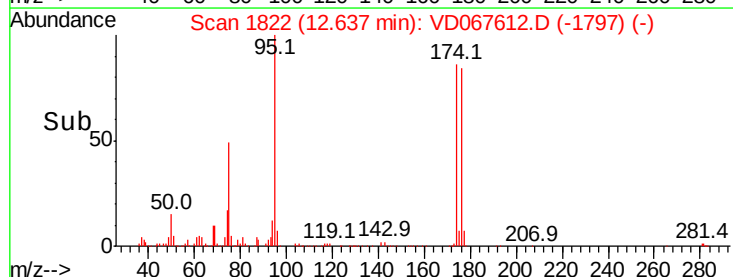
75 100

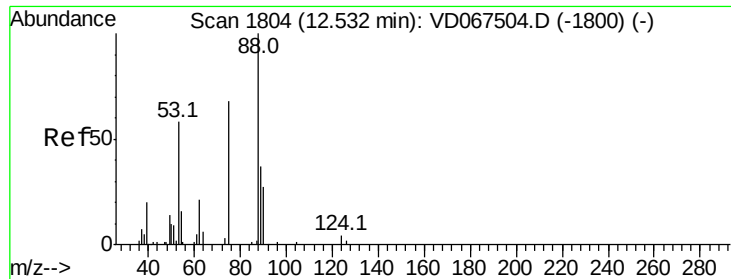
77 1.2 0.0 0.0#



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: 147.348 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067612.D

Acq: 11 Nov 2020 19:42

Instrument :

MSVOA_D

ClientSampleId :

M-6(10-20)

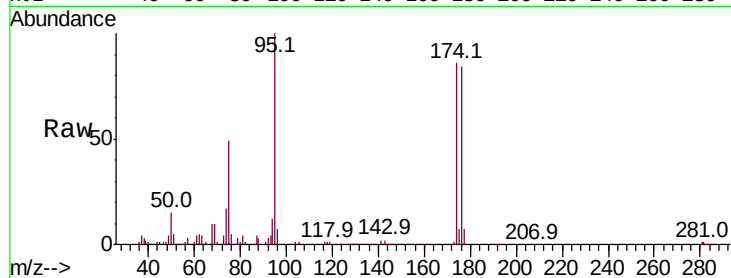
Tot Ion: 75 Resp: 136255

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.0 44.6 67.0#



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

