

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111020\
 Data File : VD067581.D
 Acq On : 10 Nov 2020 14:38
 Operator : VA/SY
 Sample : L4682-01
 Misc : 5.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-3R(12-14FT)

Quant Time: Nov 11 00:04:51 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	227811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	374206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	393605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	202166	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	119412	59.95	ug/l	0.00
Spiked Amount			Recovery	=	119.90%	
35) Dibromofluoromethane	7.92	113	124211	55.09	ug/l	0.00
Spiked Amount			Recovery	=	110.18%	
50) Toluene-d8	10.34	98	445317	56.20	ug/l	0.00
Spiked Amount			Recovery	=	112.40%	
62) 4-Bromofluorobenzene	12.64	95	178261	65.17	ug/l	0.00
Spiked Amount			Recovery	=	130.34%	

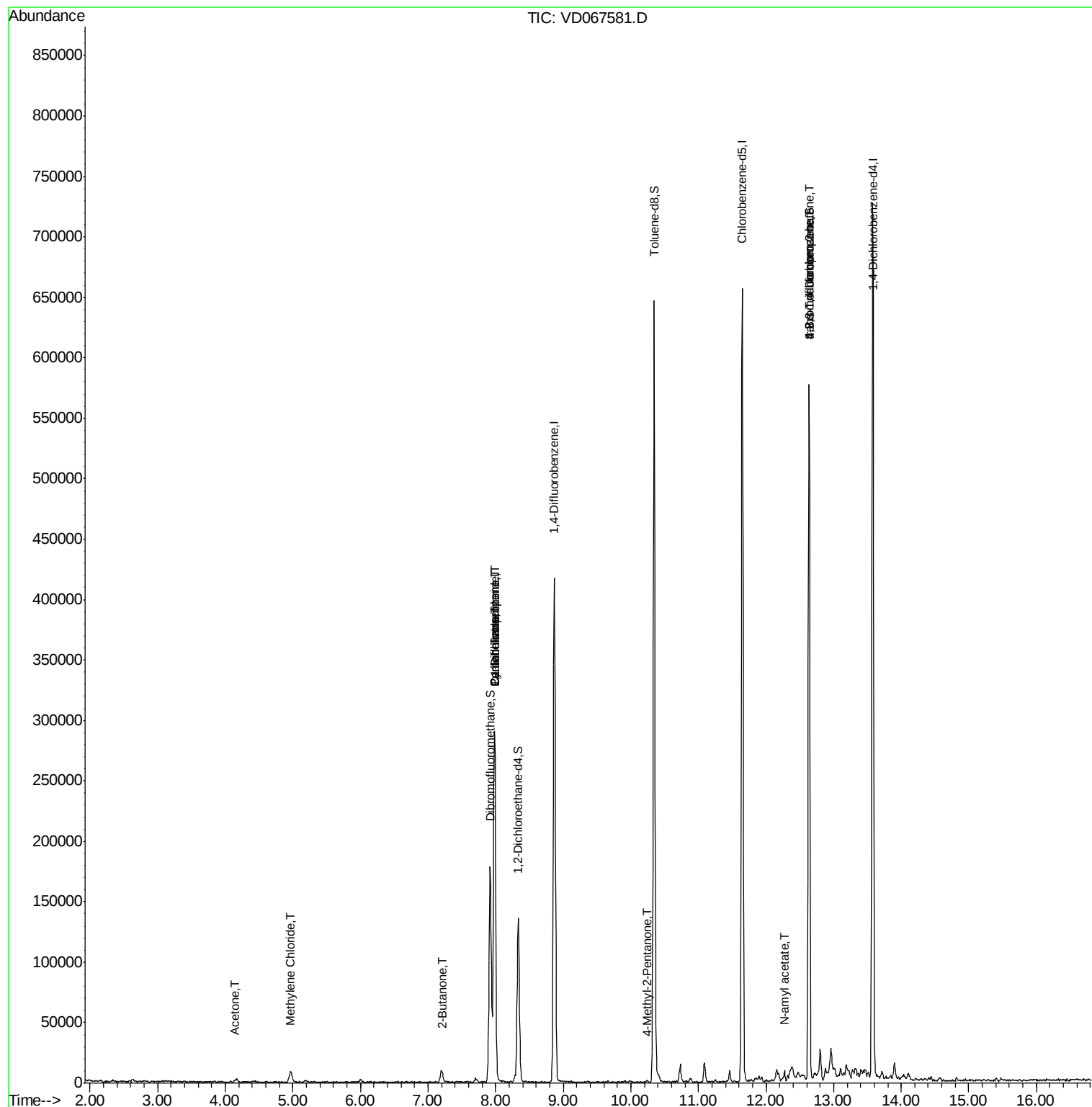
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	101	Below Cal	#	44
11) Tert butyl alcohol	5.18	59	507	Below Cal	#	79
16) Acetone	4.14	43	1402	4.703	ug/l #	67
20) Methylene Chloride	4.97	84	7641	3.629	ug/l	94
25) 2-Butanone	7.22	43	574	1.802	ug/l #	42
31) Cyclohexane	7.98	56	4489	1.554	ug/l #	50
36) 1,1-Dichloropropene	7.98	75	15802	4.933	ug/l #	49
38) Carbon Tetrachloride	7.98	117	23110	5.553	ug/l #	15
51) 4-Methyl-2-Pentanone	10.24	43	1004	1.276	ug/l #	68
74) N-amyl acetate	12.27	43	1885	1.096	ug/l #	58
76) 1,2,3-Trichloropropane	12.64	75	92409	75.771	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	92409	153.836	ug/l #	10

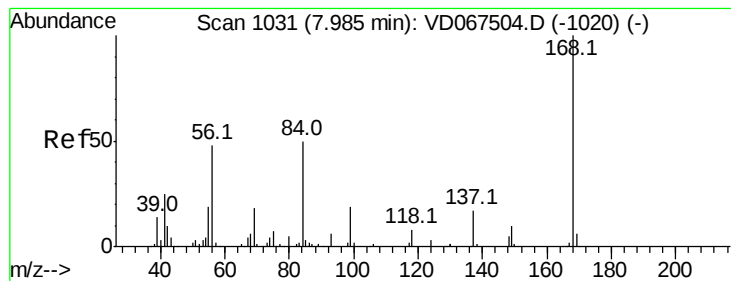
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067581.D

Acq: 10 Nov 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

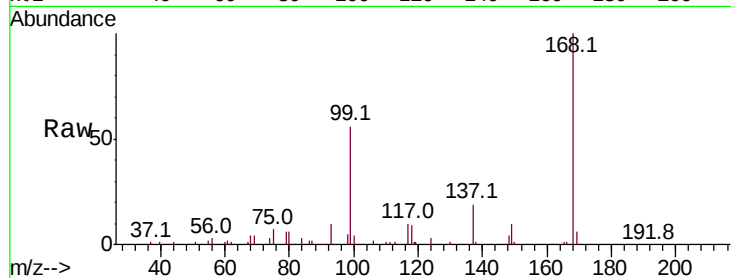
MW-3R(12-14FT)

Tot Ion:168 Resp: 227811

Ion Ratio Lower Upper

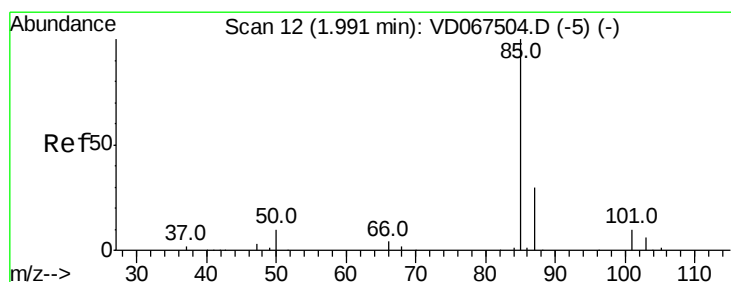
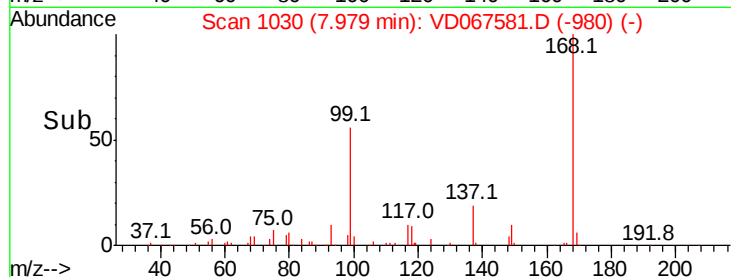
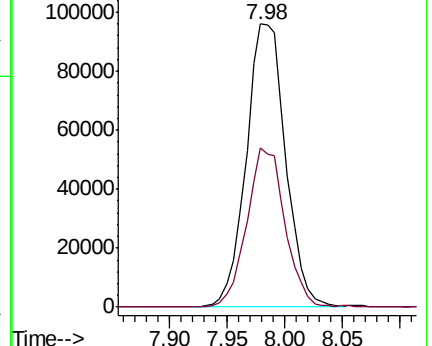
168 100

99 56.4 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: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067581.D

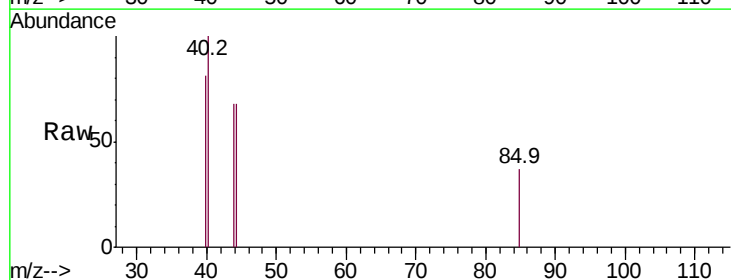
Acq: 10 Nov 2020 14:38

Tgt Ion: 85 Resp: 101

Ion Ratio Lower Upper

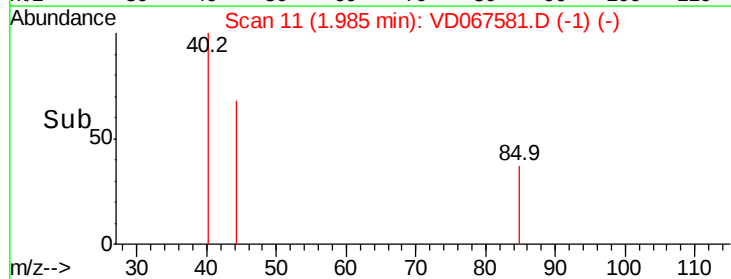
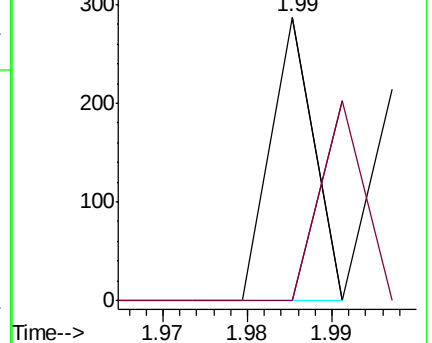
85 100

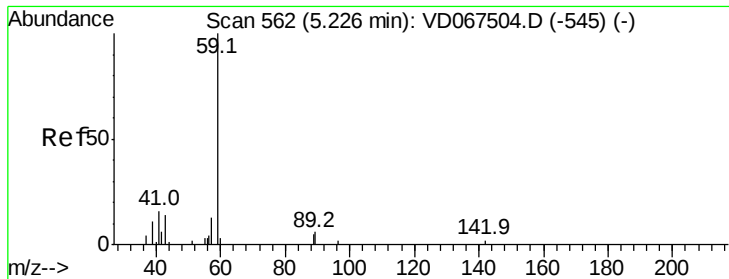
87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

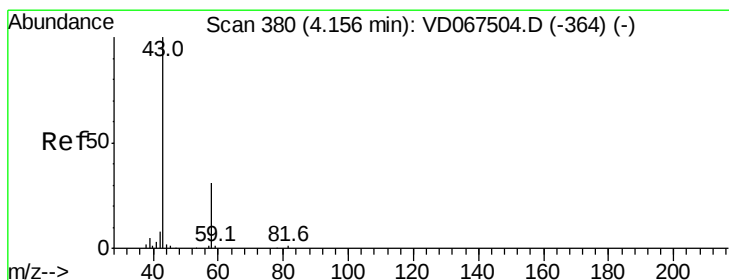
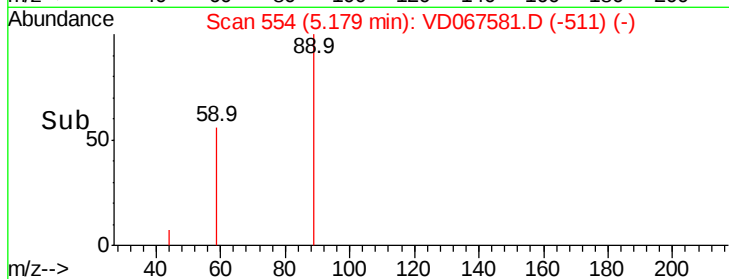
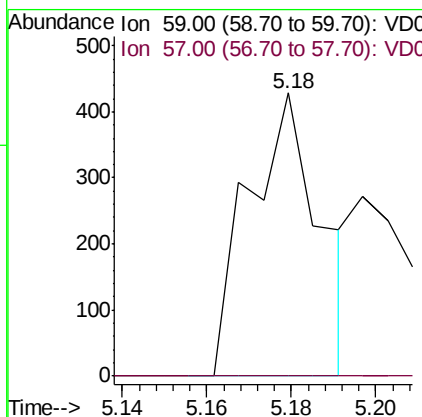
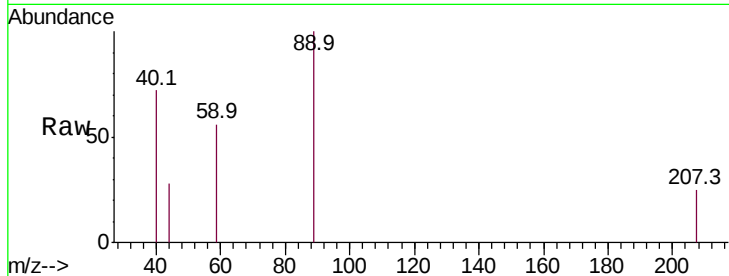




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.18 min Scan# 554
Delta R.T. -0.05 min
Lab File: VD067581.D
Acq: 10 Nov 2020 14:38

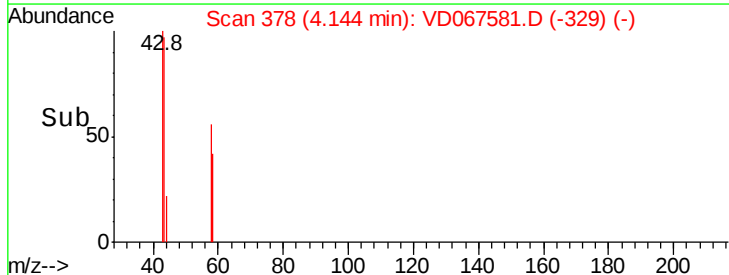
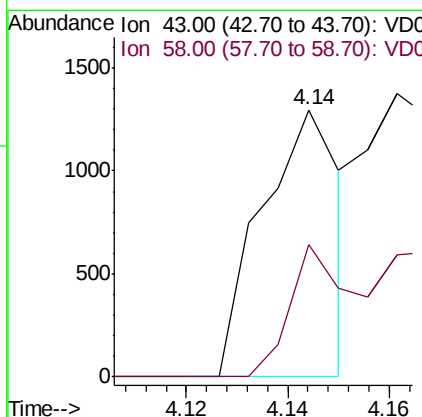
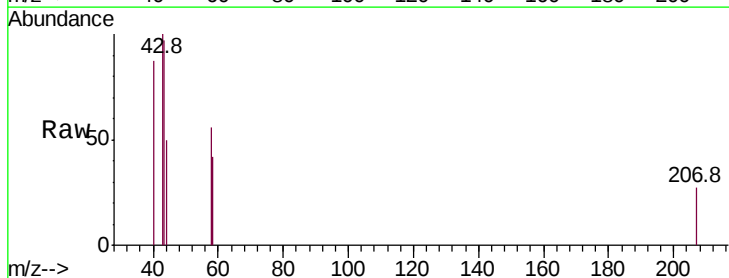
Instrument :
MSVOA_D
ClientSampleId :
MW-3R(12-14FT)

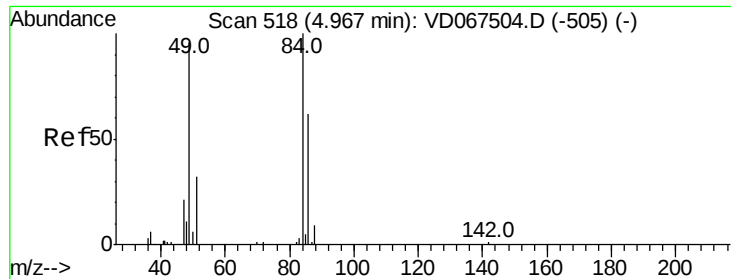
Tot Ion: 59 Resp: 507
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#



#16
Acetone
Concen: 4.703 ug/l
RT: 4.14 min Scan# 378
Delta R.T. -0.01 min
Lab File: VD067581.D
Acq: 10 Nov 2020 14:38

Tgt Ion: 43 Resp: 1402
Ion Ratio Lower Upper
43 100
58 49.7 25.2 37.8#

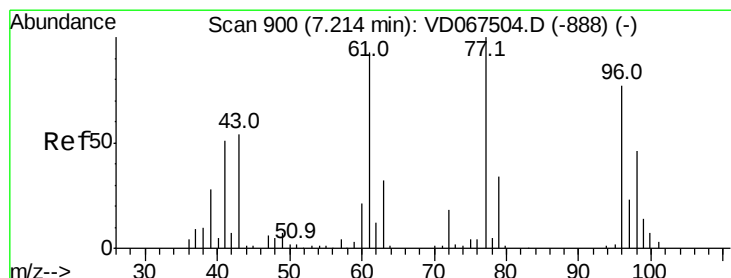
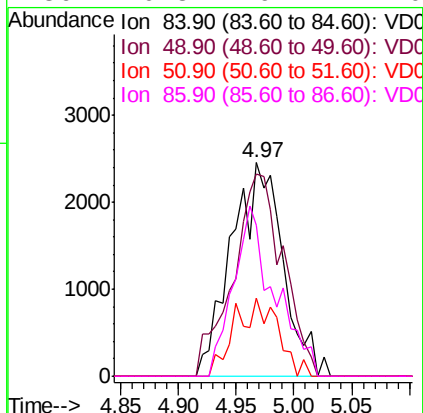
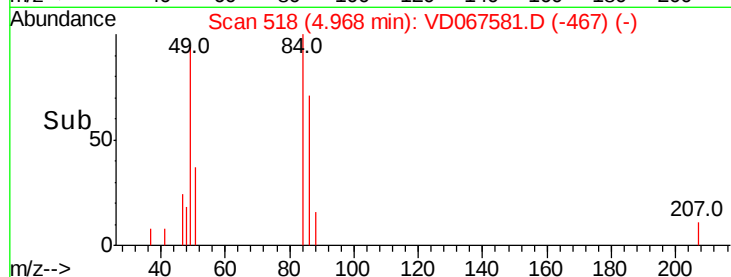
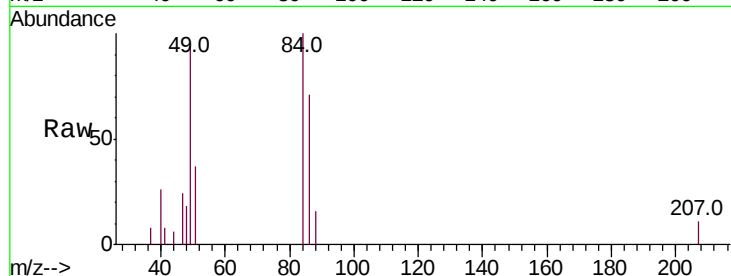




#20
Methvlene Chloride
Concen: 3.629 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD067581.D
Acq: 10 Nov 2020 14:38

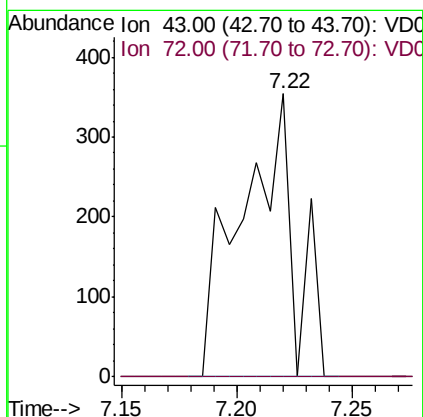
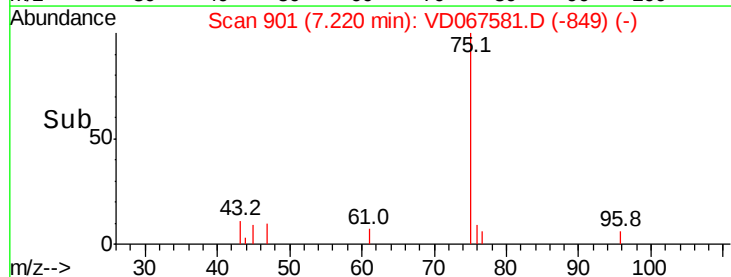
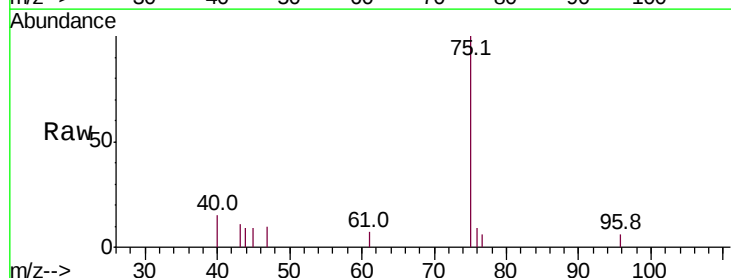
Instrument :
MSVOA_D
ClientSampleId :
MW-3R(12-14FT)

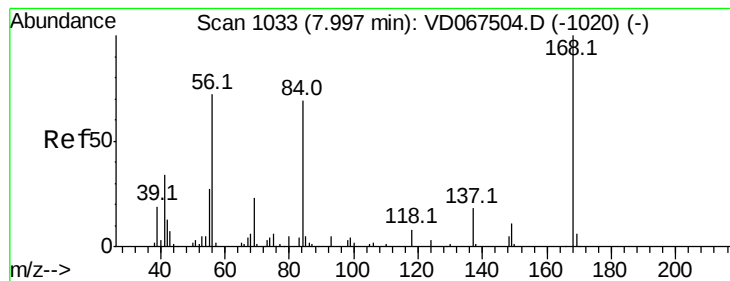
Tot Ion:	84	Resp:	7641
Ion	Ratio	Lower	Upper
84	100		
49	94.5	77.0	115.4
51	36.7	25.4	38.2
86	70.8	49.4	74.0



#25
2-Butanone
Concen: 1.802 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067581.D
Acq: 10 Nov 2020 14:38

Tgt Ion:	43	Resp:	574
Ion	Ratio	Lower	Upper
43	100		
72	0.0	26.4	39.6#





#31

Cyclohexane

Concen: 1.554 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VD067581.D

Acq: 10 Nov 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

MW-3R(12-14FT)

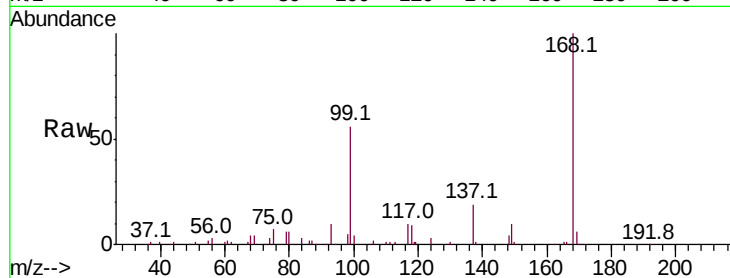
Tot Ion: 56 Resp: 4489

Ion Ratio Lower Upper

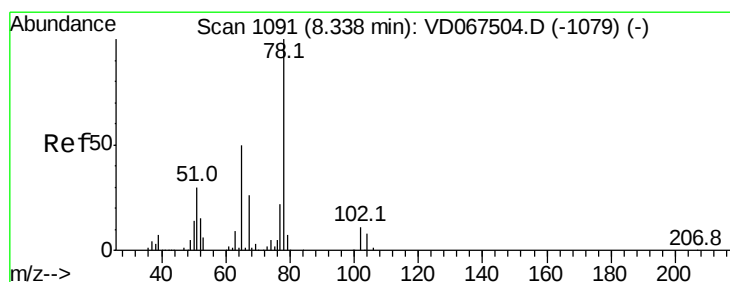
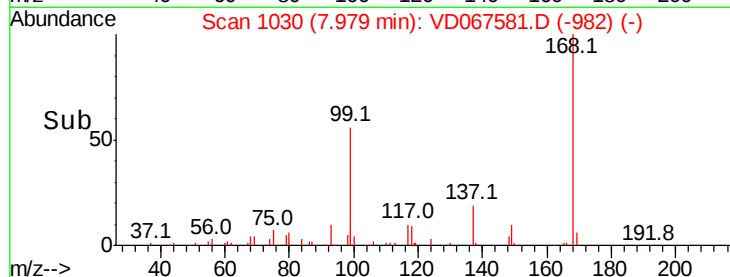
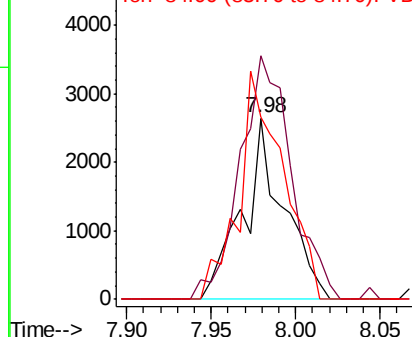
56 100

69 134.2 25.9 38.9#

84 100.2 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: 59.947 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067581.D

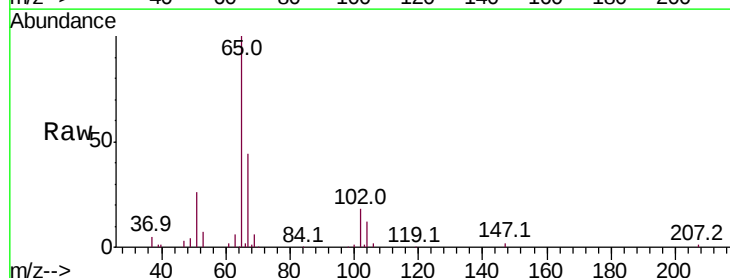
Acq: 10 Nov 2020 14:38

Tgt Ion: 65 Resp: 119412

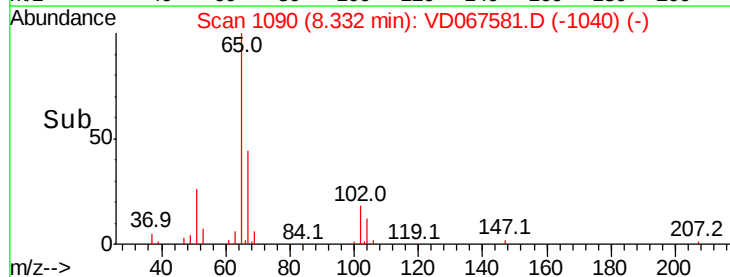
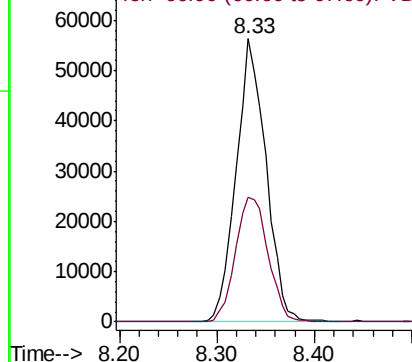
Ion Ratio Lower Upper

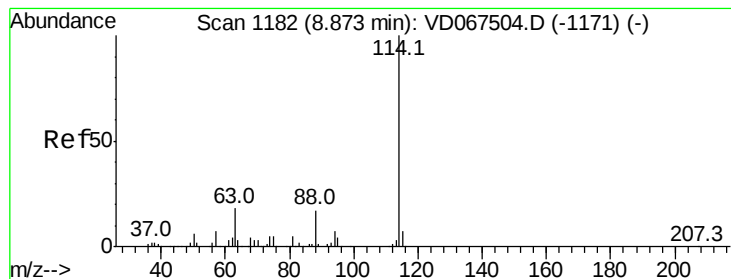
65 100

67 48.2 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: VD067581.D

Acq: 10 Nov 2020 14:38

Instrument :

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ClientSampleId :

MW-3R(12-14FT)

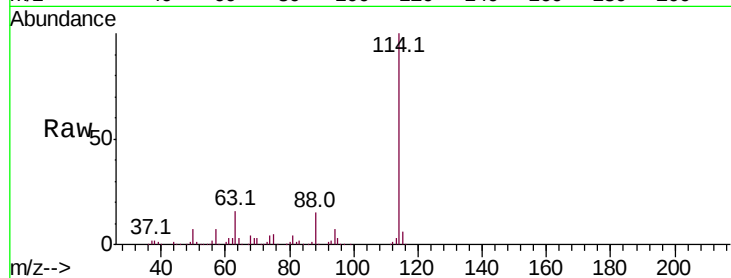
Tot Ion:114 Resp: 374206

Ion Ratio Lower Upper

114 100

63 16.0 0.0 35.0

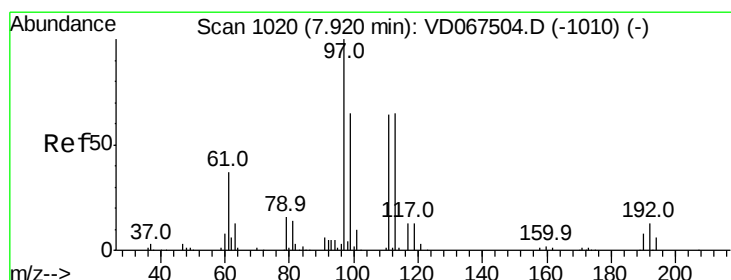
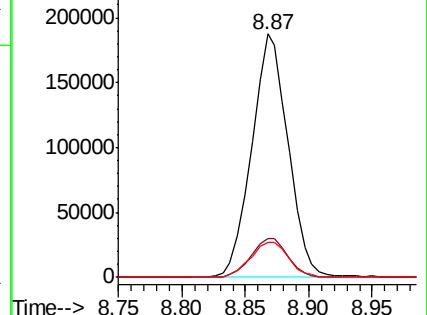
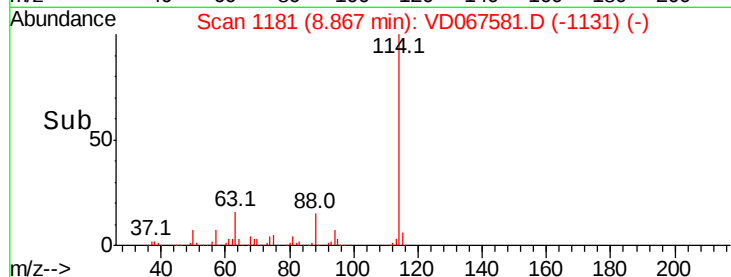
88 14.5 0.0 33.0



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: 55.093 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067581.D

Acq: 10 Nov 2020 14:38

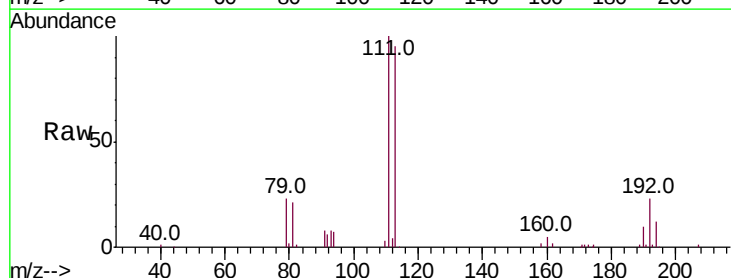
Tgt Ion:113 Resp: 124211

Ion Ratio Lower Upper

113 100

111 102.1 80.0 120.0

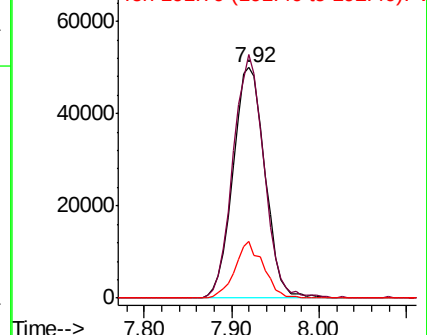
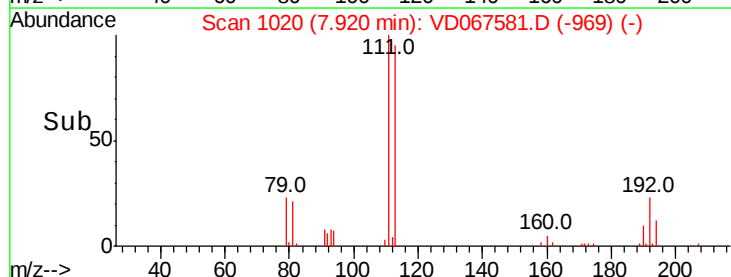
192 21.7 16.3 24.5

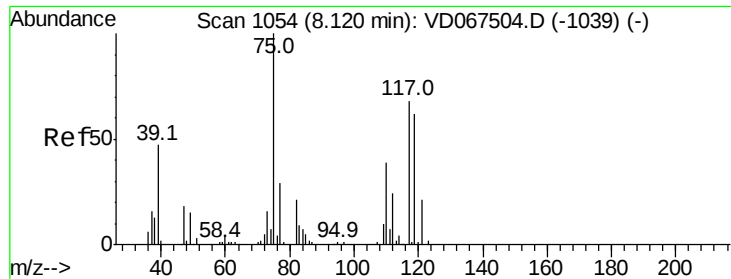


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.933 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067581.D

Acq: 10 Nov 2020 14:38

Instrument :

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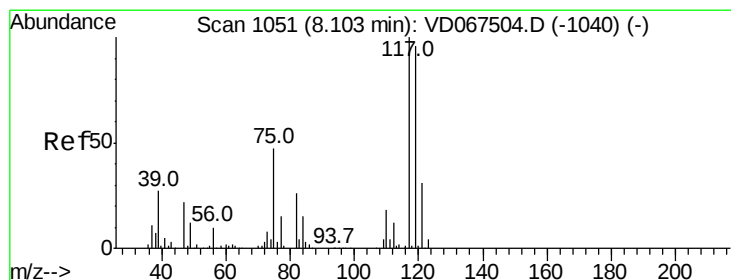
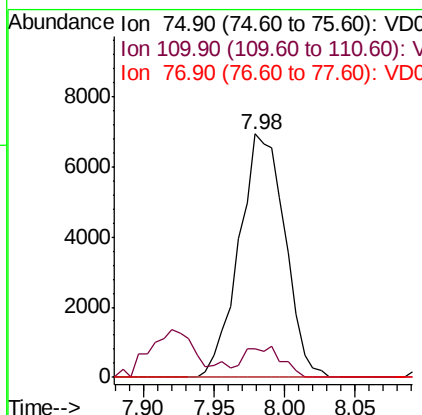
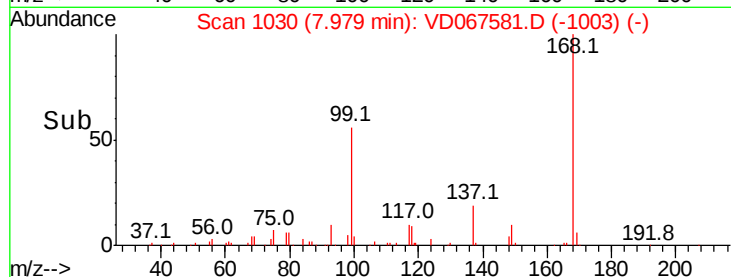
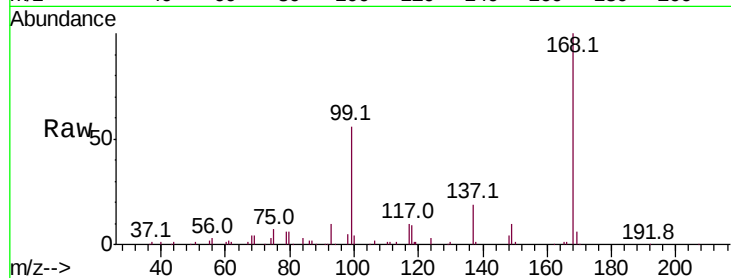
Tot Ion: 75 Resp: 15802

Ion Ratio Lower Upper

75 100

110 10.4 19.9 59.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.553 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067581.D

Acq: 10 Nov 2020 14:38

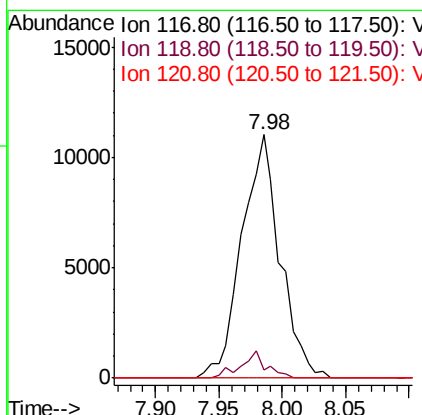
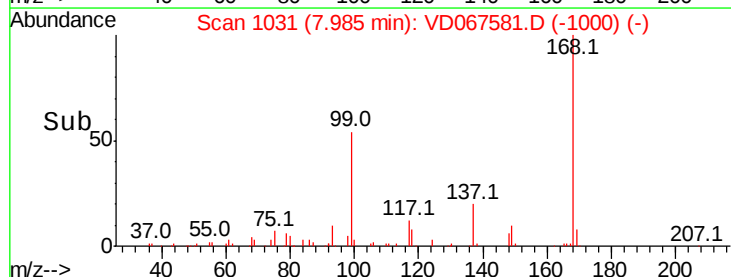
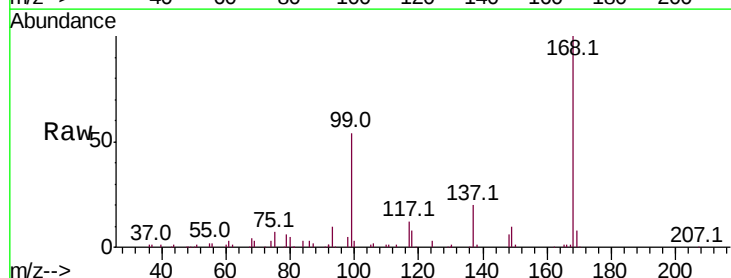
Tgt Ion: 117 Resp: 23110

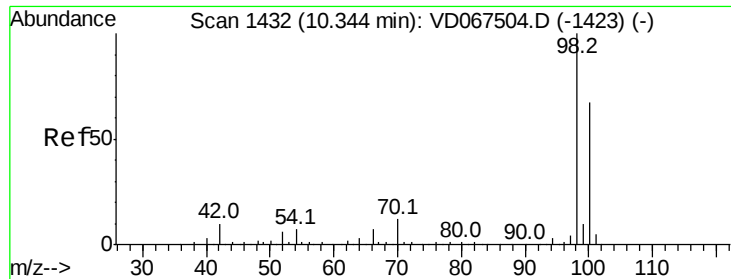
Ion Ratio Lower Upper

117 100

119 3.4 76.9 115.3#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 56.205 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067581.D

Acq: 10 Nov 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

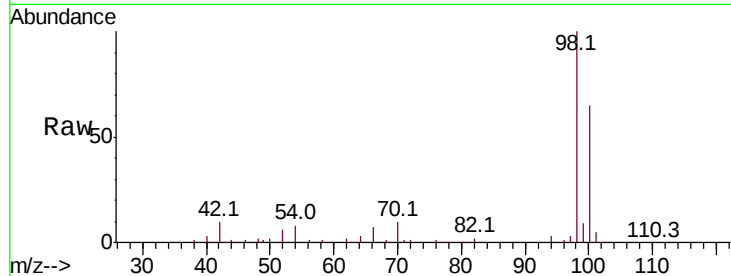
MW-3R(12-14FT)

Tot Ion: 98 Resp: 445317

Ion Ratio Lower Upper

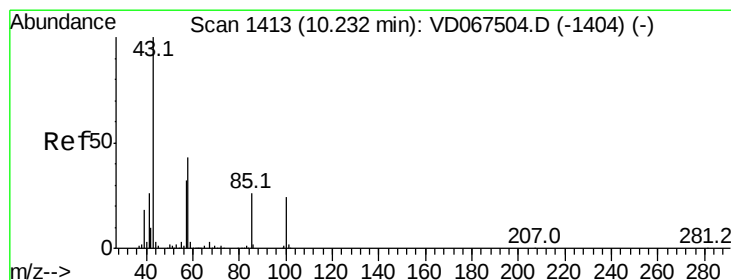
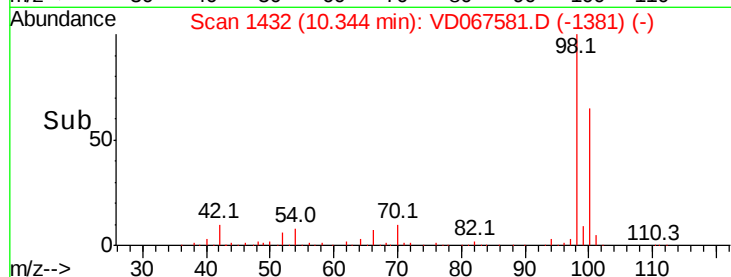
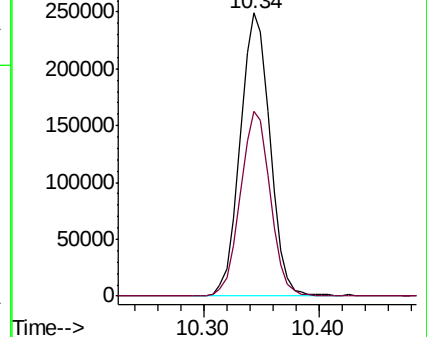
98 100

100 65.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.276 ug/l

RT: 10.24 min Scan# 1415

Delta R.T. 0.01 min

Lab File: VD067581.D

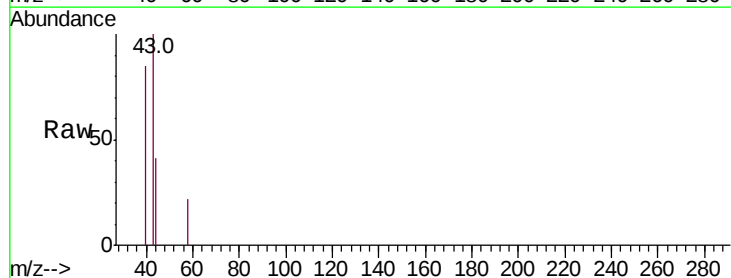
Acq: 10 Nov 2020 14:38

Tgt Ion: 43 Resp: 1004

Ion Ratio Lower Upper

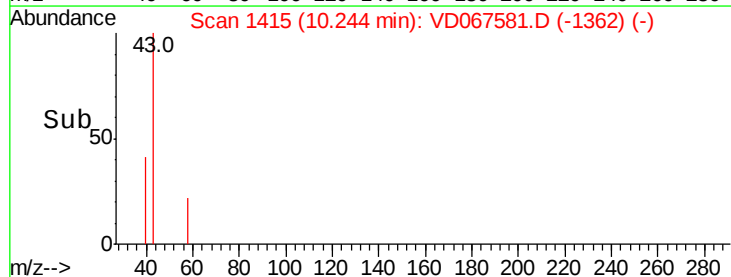
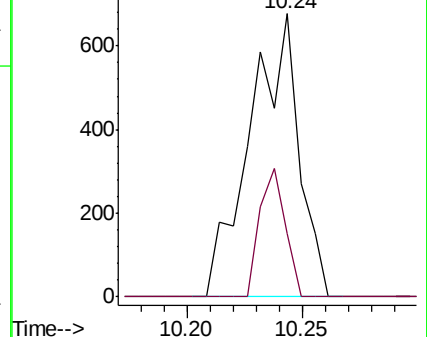
43 100

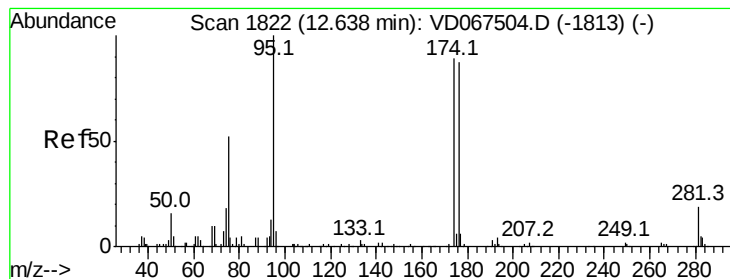
58 23.7 35.6 53.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 65.167 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067581.D

Acq: 10 Nov 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

MW-3R(12-14FT)

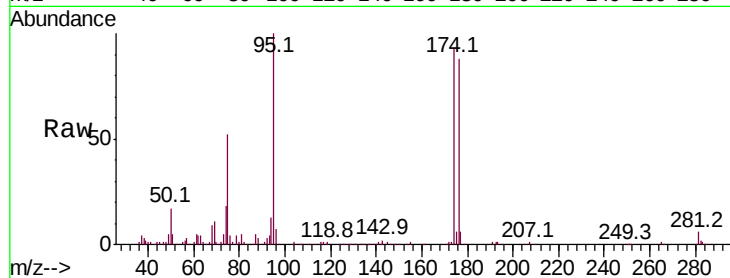
Tot Ion: 95 Resp: 178261

Ion Ratio Lower Upper

95 100

174 89.4 0.0 177.8

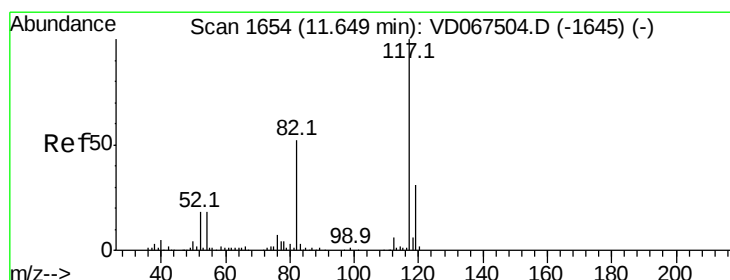
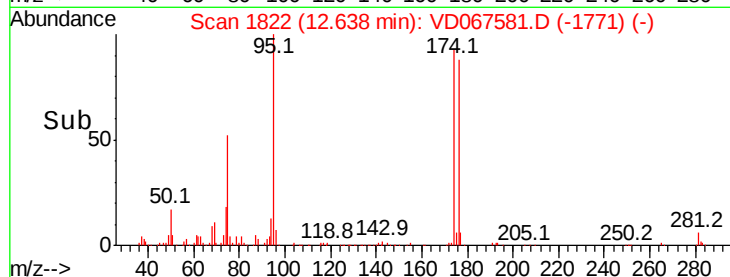
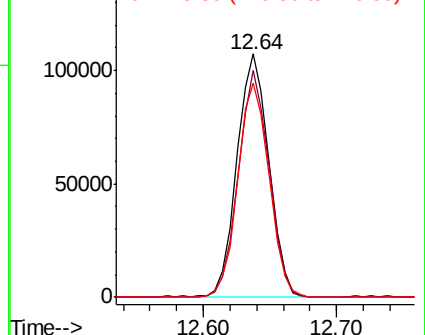
176 86.1 0.0 172.0



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: VD067581.D

Acq: 10 Nov 2020 14:38

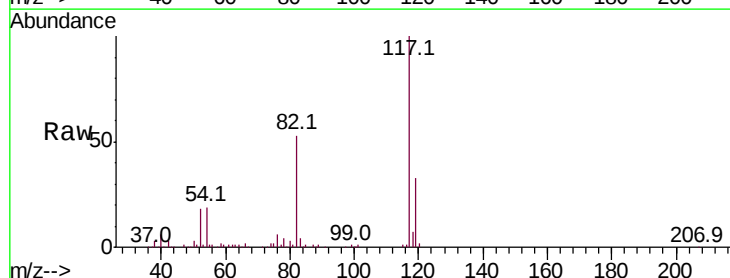
Tgt Ion: 117 Resp: 393605

Ion Ratio Lower Upper

117 100

82 53.2 41.6 62.4

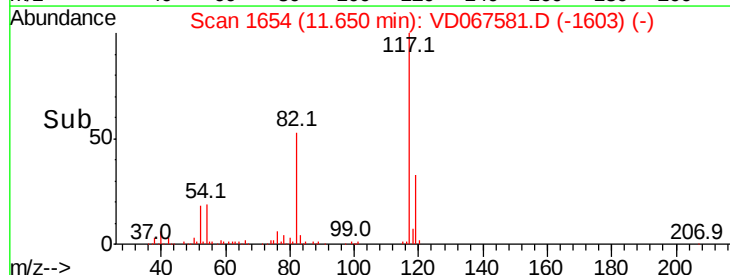
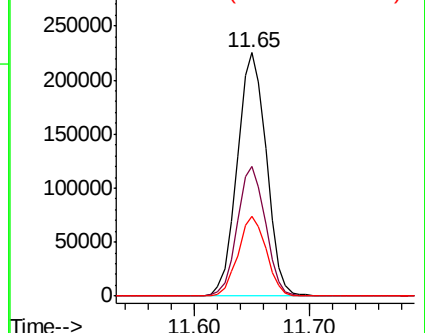
119 33.0 25.1 37.7

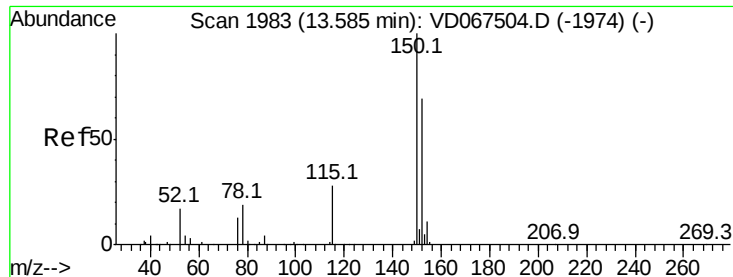


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067581.D

Acq: 10 Nov 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

MW-3R(12-14FT)

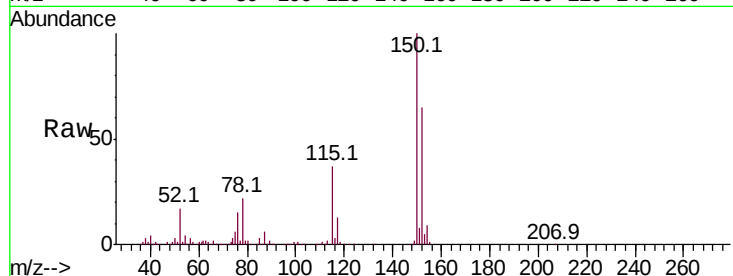
Tot Ion:152 Resp: 202166

Ion Ratio Lower Upper

152 100

115 57.9 29.3 88.0

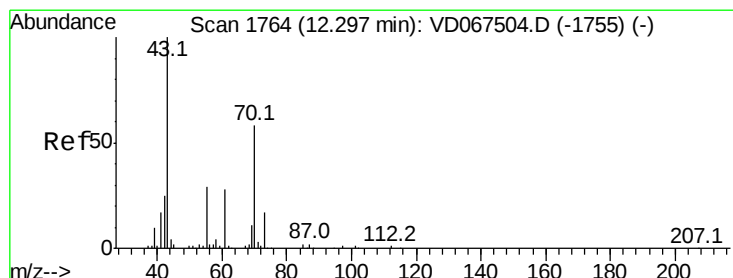
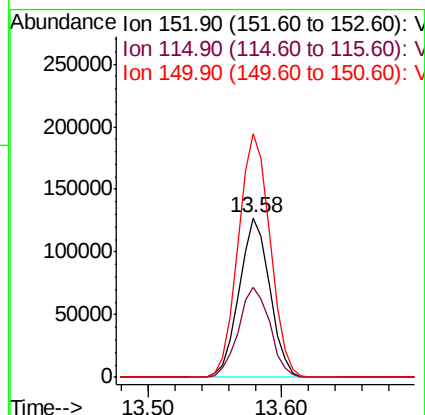
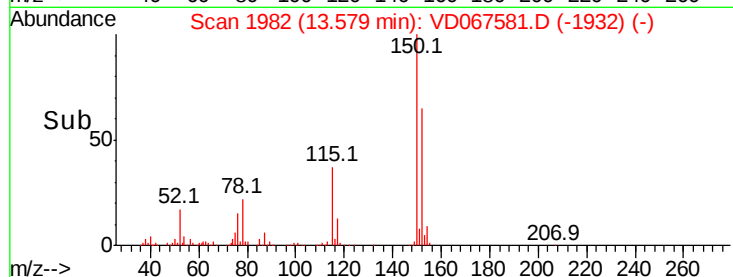
150 158.1 0.0 338.2



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



#74

N-ethyl acetate

Concen: 1.096 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD067581.D

Acq: 10 Nov 2020 14:38

Tgt Ion: 43 Resp: 1885

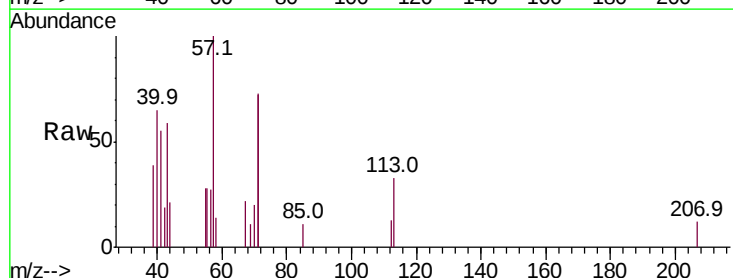
Ion Ratio Lower Upper

43 100

70 20.1 42.6 64.0#

55 42.9 23.7 35.5#

61 0.0 21.9 32.9#

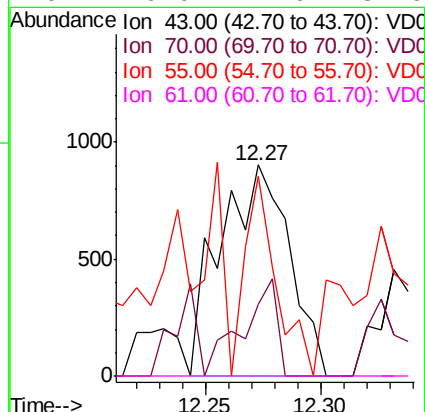
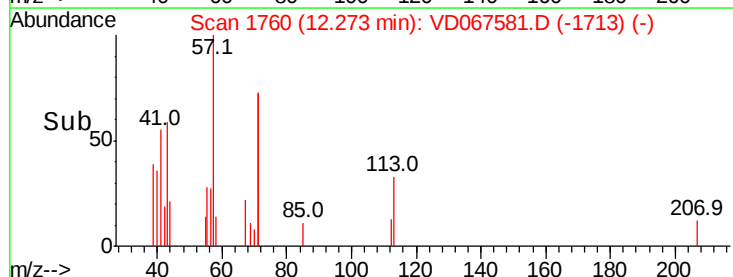


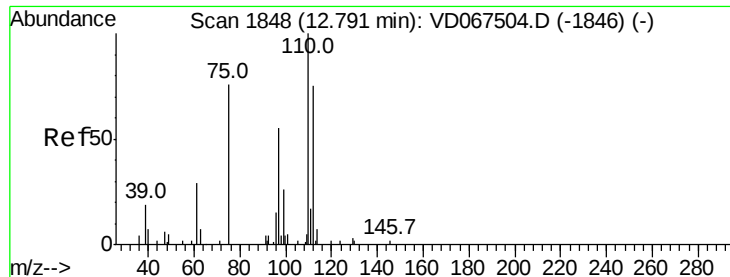
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#76

1,2,3-Trichloropropane

Concen: 75.771 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067581.D

Acq: 10 Nov 2020 14:38

Instrument :

MSVOA_D

ClientSampleId :

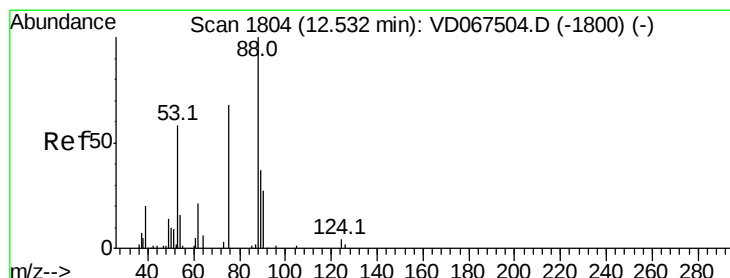
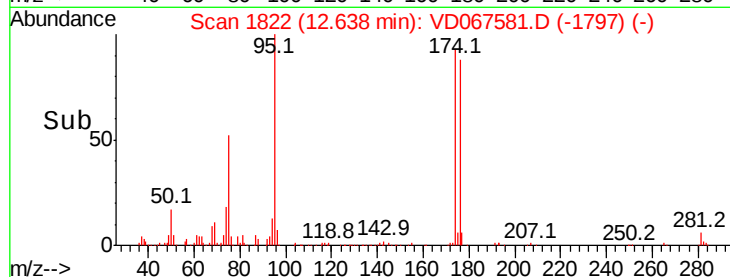
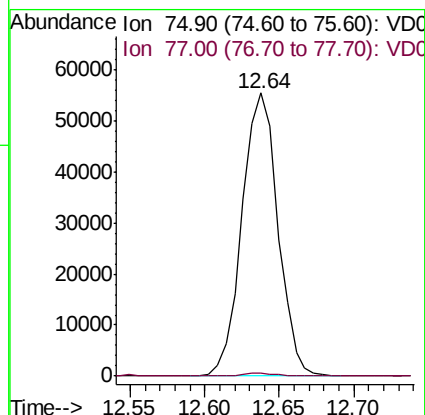
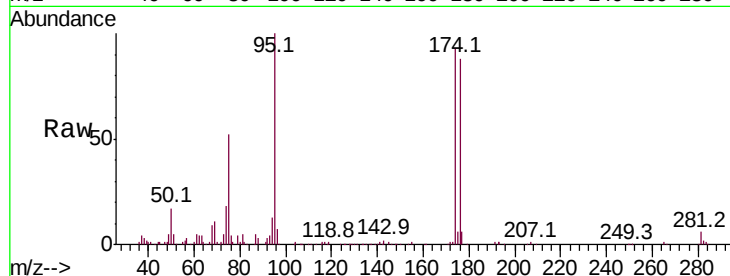
MW-3R(12-14FT)

Tot Ion: 75 Resp: 92409

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 153.836 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067581.D

Acq: 10 Nov 2020 14:38

Tgt Ion: 75 Resp: 92409

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.0 44.6 67.0#

