

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111920\
 Data File : VD067712.D
 Acq On : 19 Nov 2020 16:59
 Operator : VA/SY
 Sample : L4810-01
 Misc : 7.26G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-111920

Quant Time: Nov 20 00:31:38 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	147832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	232682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	266556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	140526	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	90780	70.23	ug/l	0.00
Spiked Amount			Recovery	=	140.46%	
35) Dibromofluoromethane	7.92	113	80678	57.55	ug/l	0.00
Spiked Amount			Recovery	=	115.10%	
50) Toluene-d8	10.34	98	275259	55.87	ug/l	0.00
Spiked Amount			Recovery	=	111.74%	
62) 4-Bromofluorobenzene	12.64	95	117358	69.00	ug/l	0.00
Spiked Amount			Recovery	=	138.00%	

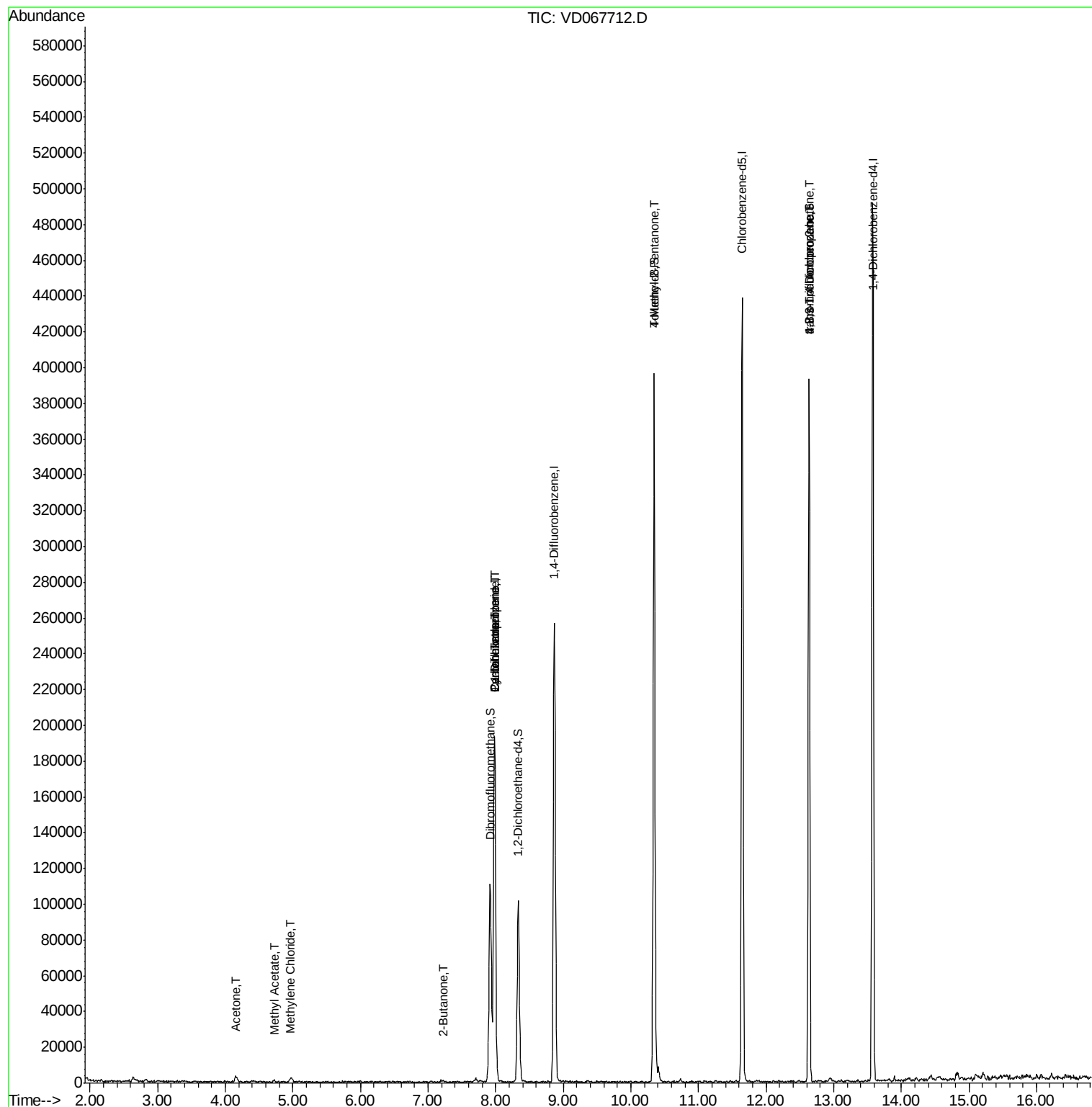
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	67	Below Cal	#	79
16) Acetone	4.16	43	5722	29.581	ug/l	99
18) Methyl Acetate	4.73	43	637	1.594	ug/l #	83
20) Methylene Chloride	4.97	84	2076	1.519	ug/l #	66
25) 2-Butanone	7.23	43	281	1.360	ug/l #	42
31) Cyclohexane	7.98	56	3223	1.719	ug/l #	41
36) 1,1-Dichloropropene	7.98	75	10155	5.099	ug/l #	51
38) Carbon Tetrachloride	7.98	117	16203	6.261	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	1096	2.241	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	60670	71.567	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	60670	145.301	ug/l #	10

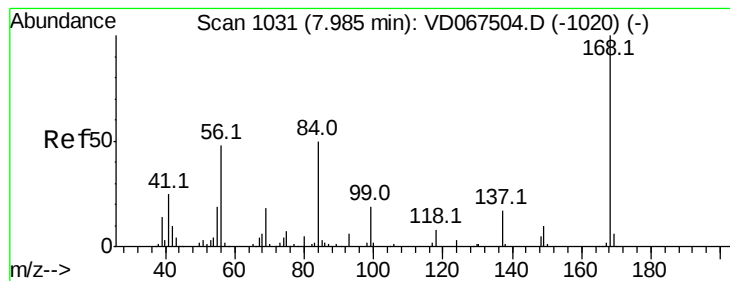
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067712.D

Acq: 19 Nov 2020 16:59

Instrument :

MSVOA_D

ClientSampleId :

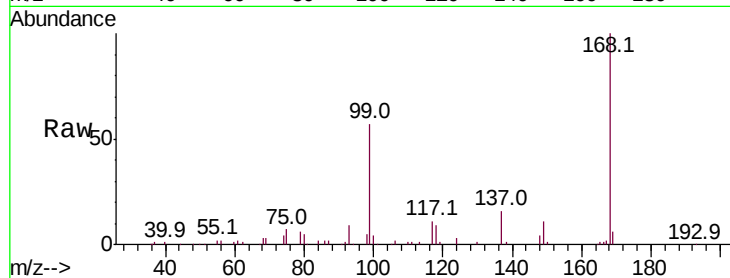
TR-04-111920

Tot Ion:168 Resp: 147832

Ion Ratio Lower Upper

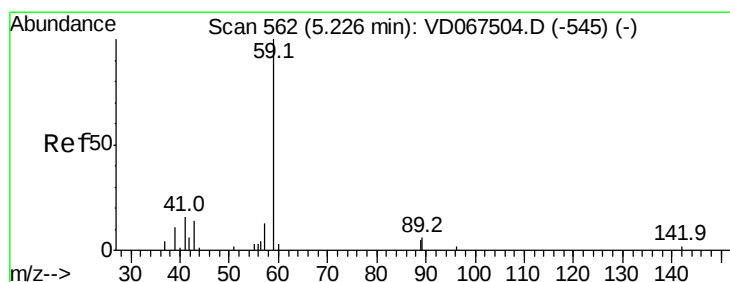
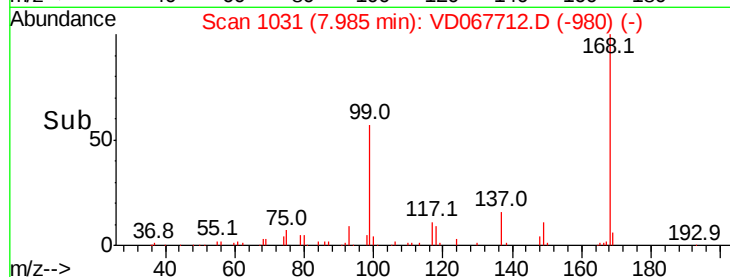
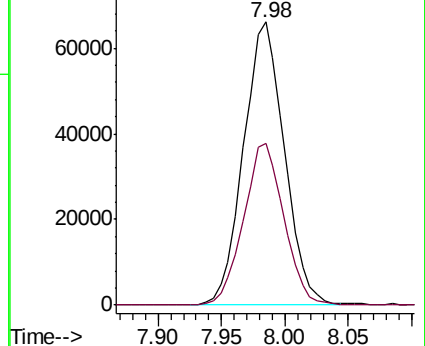
168 100

99 57.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD067712.D

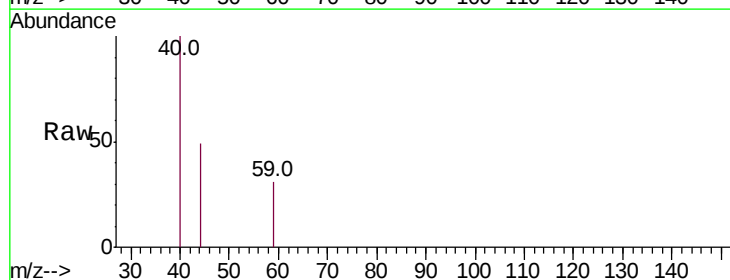
Acq: 19 Nov 2020 16:59

Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

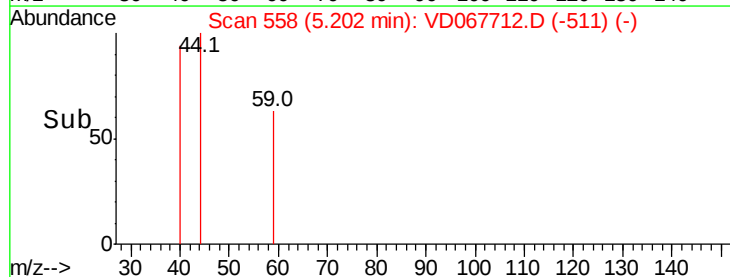
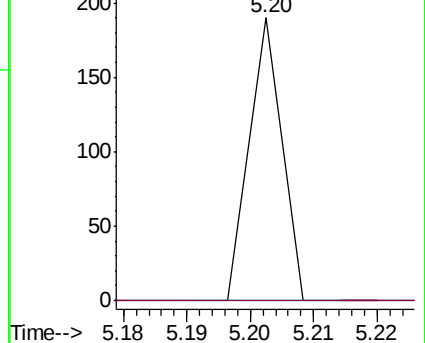
59 100

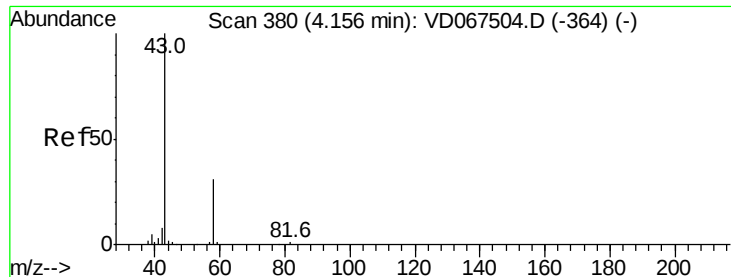
57 0.0 5.9 8.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 29.581 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067712.D

Acq: 19 Nov 2020 16:59

Instrument :

MSVOA_D

ClientSampleId :

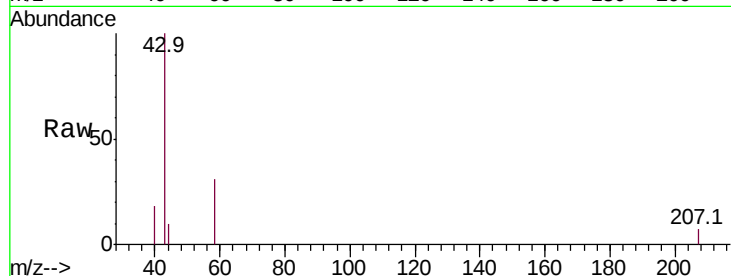
TR-04-111920

Tot Ion: 43 Resp: 5722

Ion Ratio Lower Upper

43 100

58 30.7 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

2500

2000

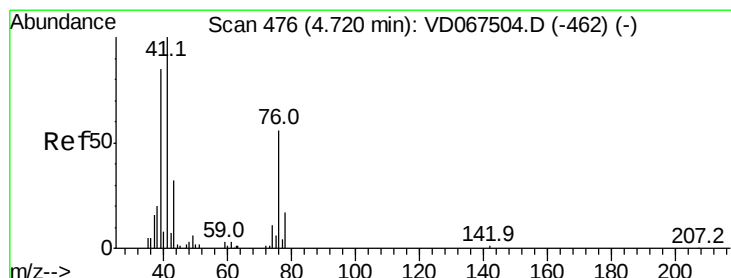
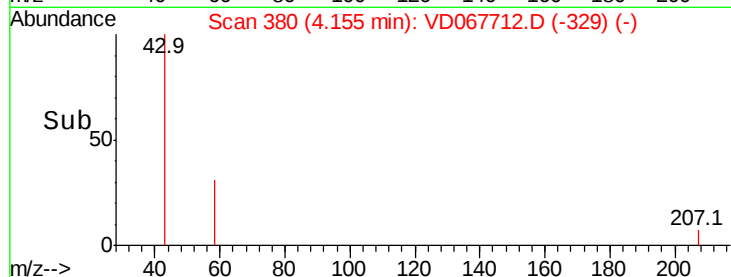
1500

1000

500

0

Time--> 4.10 4.15 4.20



#18

Methyl Acetate

Concen: 1.594 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD067712.D

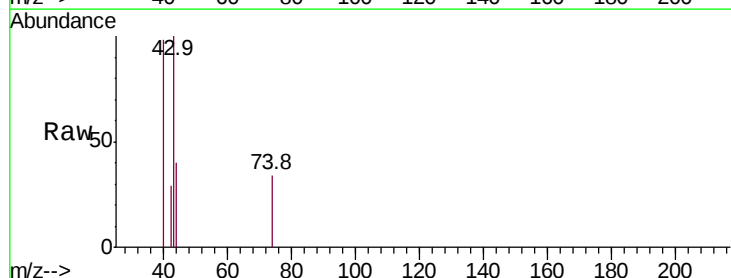
Acq: 19 Nov 2020 16:59

Tgt Ion: 43 Resp: 637

Ion Ratio Lower Upper

43 100

74 43.8 27.2 40.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

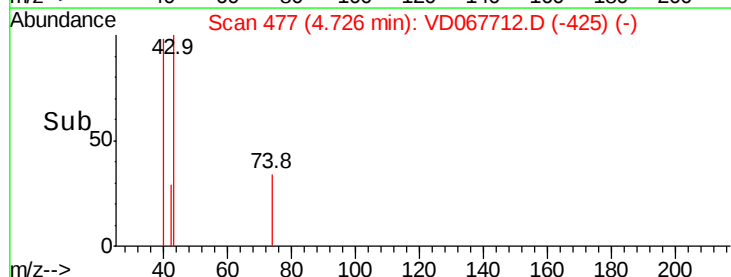
600

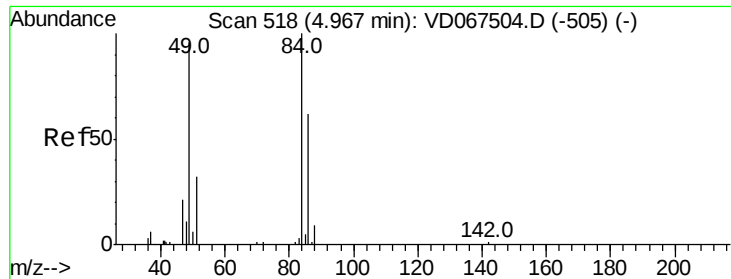
400

200

0

Time--> 4.68 4.70 4.72 4.74





#20

Methvlene Chloride

Concen: 1.519 ug/l

RT: 4.97 min Scan# 518

Delta R.T. -0.00 min

Lab File: VD067712.D

Acq: 19 Nov 2020 16:59

Instrument :

MSVOA_D

ClientSampleId :

TR-04-111920

Tot Ion: 84 Resp: 2076

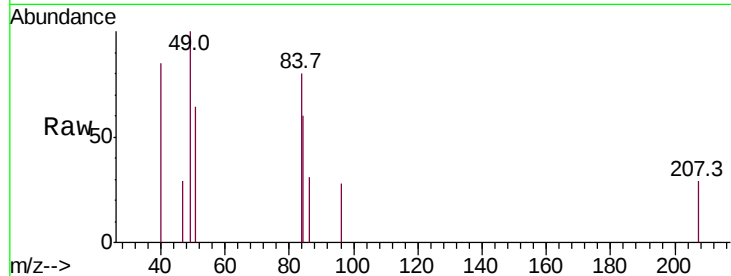
Ion Ratio Lower Upper

84 100

49 71.5 77.0 115.4#

51 45.8 25.4 38.2#

86 22.1 49.4 74.0#

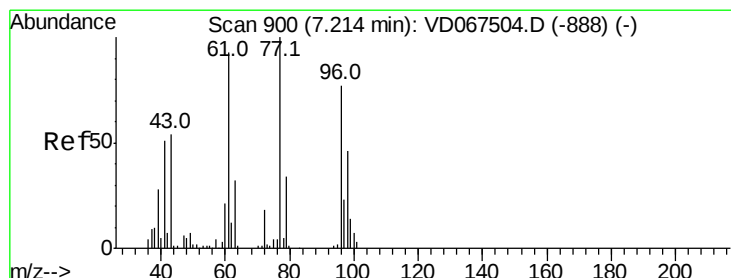
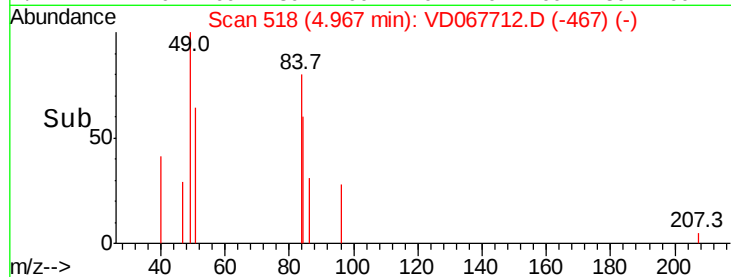
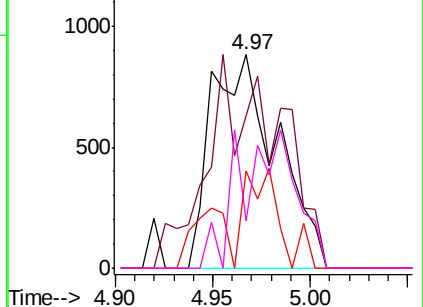


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#25

2-Butanone

Concen: 1.360 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD067712.D

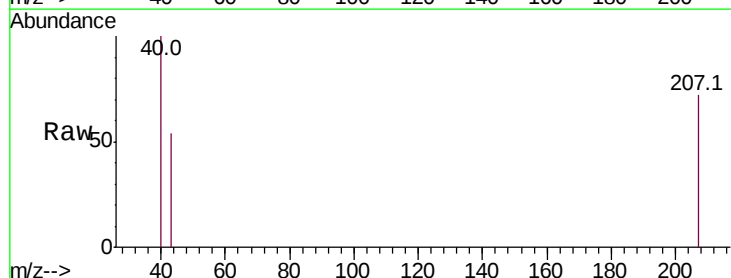
Acq: 19 Nov 2020 16:59

Tgt Ion: 43 Resp: 281

Ion Ratio Lower Upper

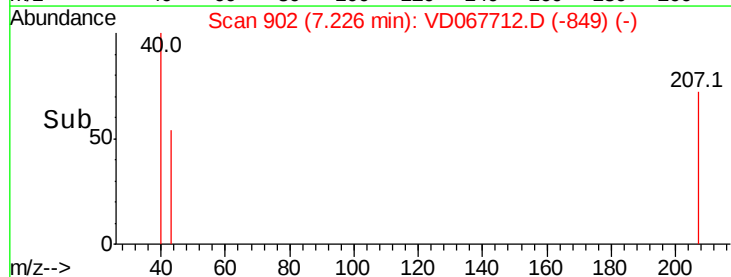
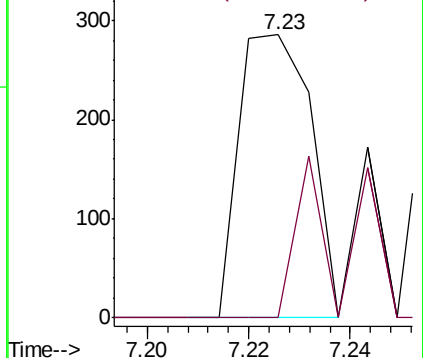
43 100

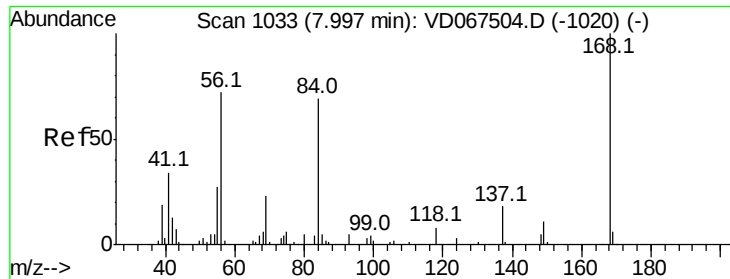
72 0.0 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

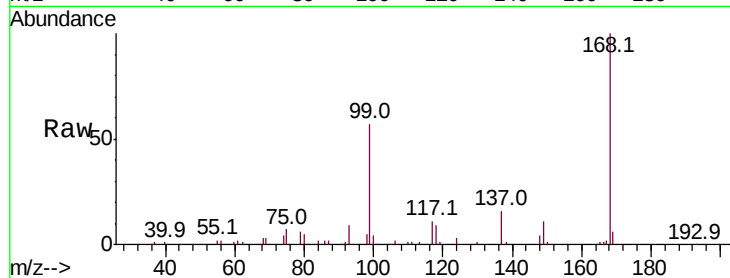




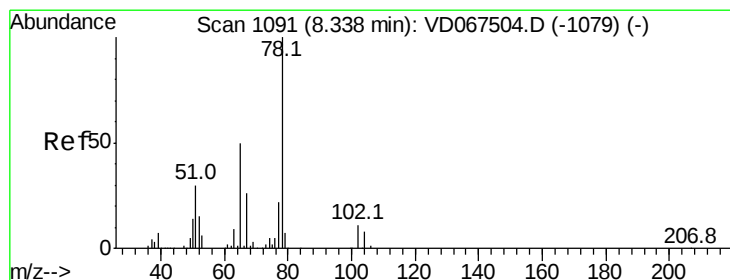
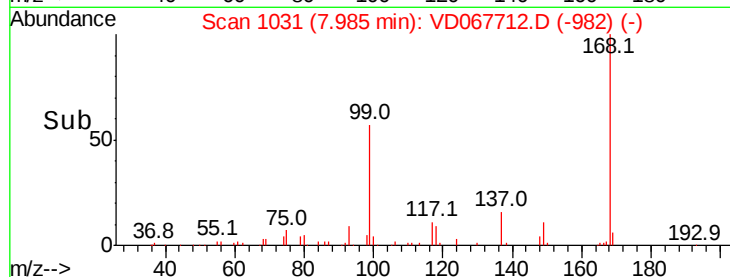
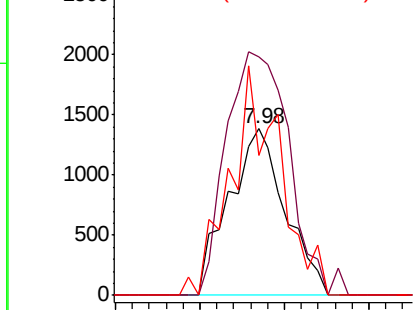
#31
Cyclohexane
Concen: 1.719 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067712.D
Acq: 19 Nov 2020 16:59

Instrument :
MSVOA_D
ClientSampleId :
TR-04-111920

Tot Ion: 56 Resp: 3223
Ion Ratio Lower Upper
56 100
69 143.5 25.9 38.9#
84 84.4 76.2 114.4

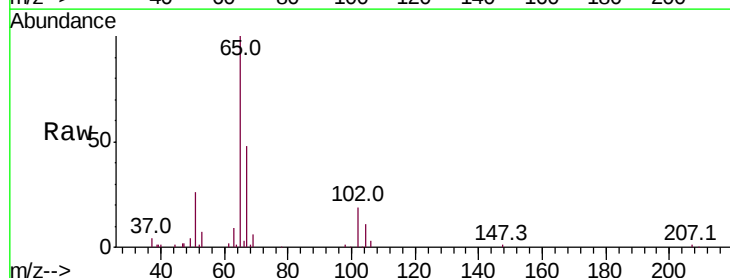


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

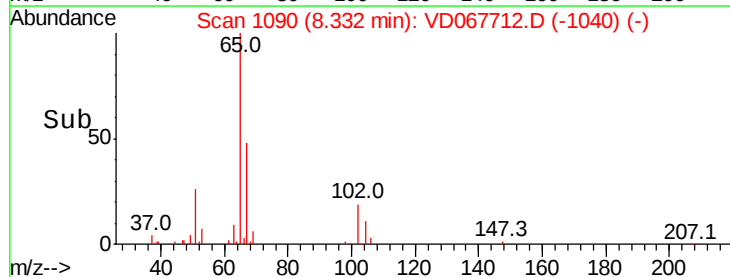
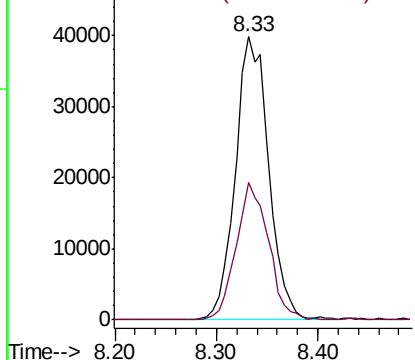


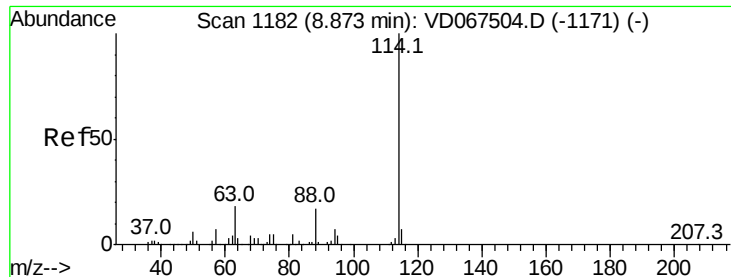
#33
1,2-Dichloroethane-d4
Concen: 70.229 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067712.D
Acq: 19 Nov 2020 16:59

Tgt Ion: 65 Resp: 90780
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: VD067712.D

Acq: 19 Nov 2020 16:59

Instrument :

MSVOA_D

ClientSampleId :

TR-04-111920

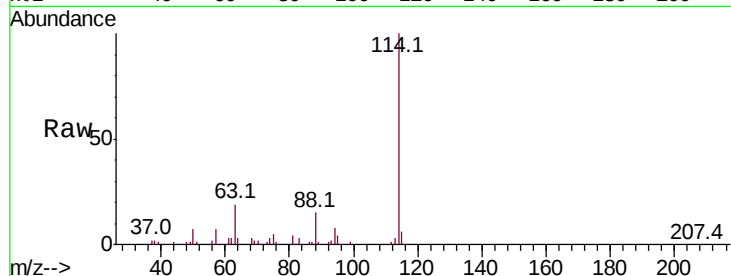
Tot Ion:114 Resp: 232682

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.0

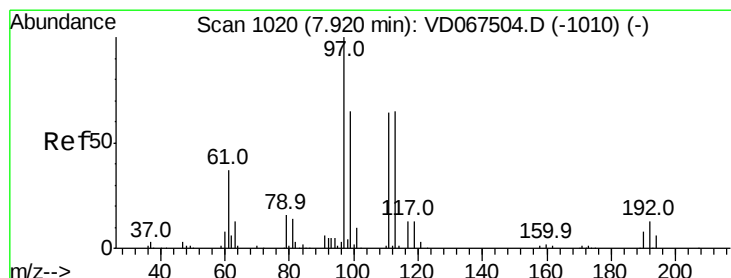
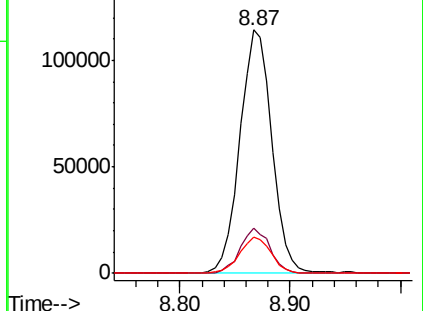
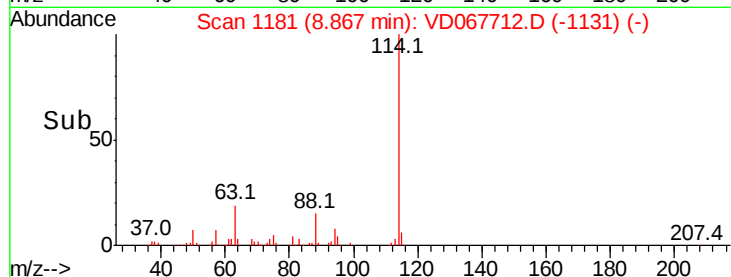
88 14.7 0.0 33.0



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: 57.549 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067712.D

Acq: 19 Nov 2020 16:59

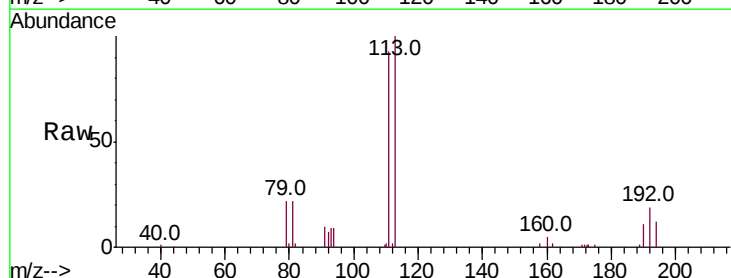
Tgt Ion:113 Resp: 80678

Ion Ratio Lower Upper

113 100

111 97.0 80.0 120.0

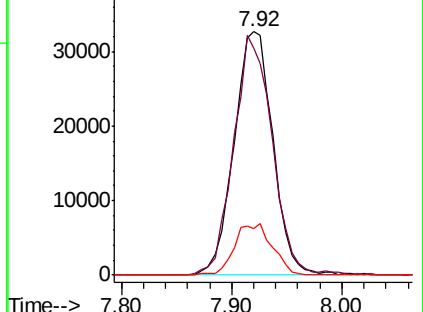
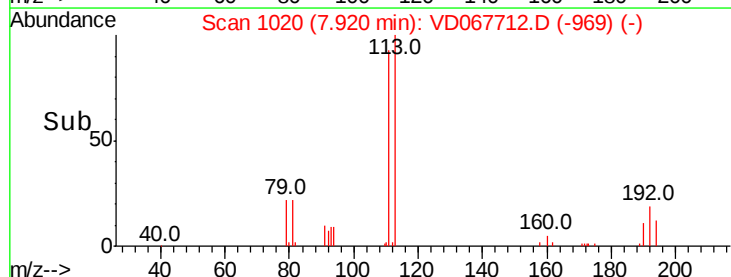
192 20.5 16.3 24.5

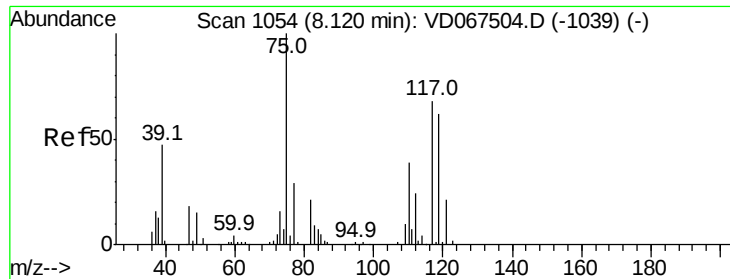


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

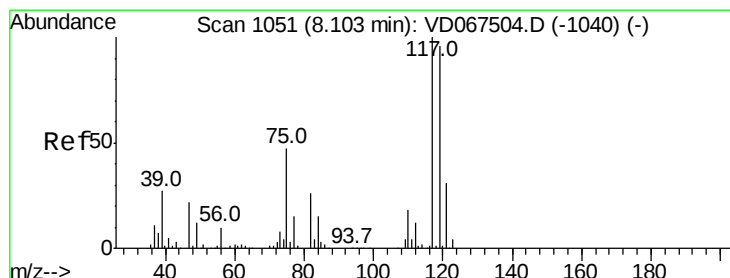
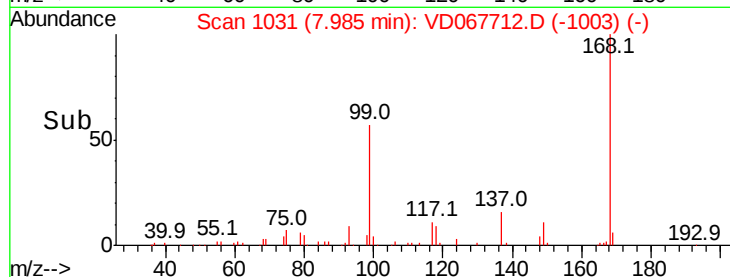
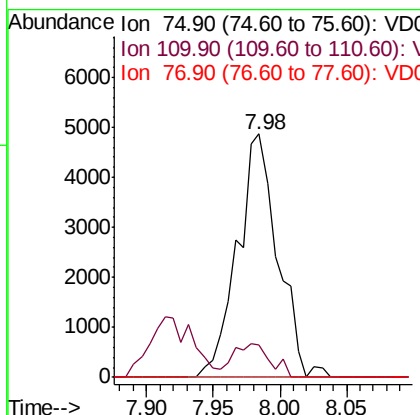
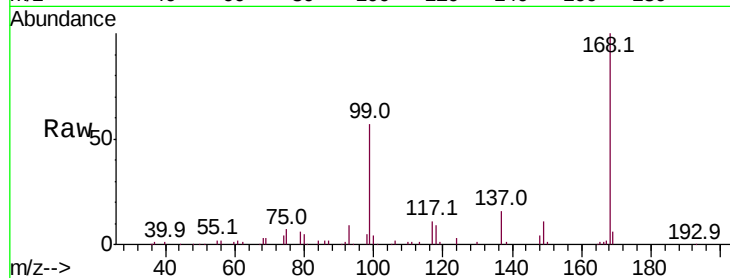




#36
 1,1-Dichloropropene
 Concen: 5.099 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD067712.D
 Acq: 19 Nov 2020 16:59

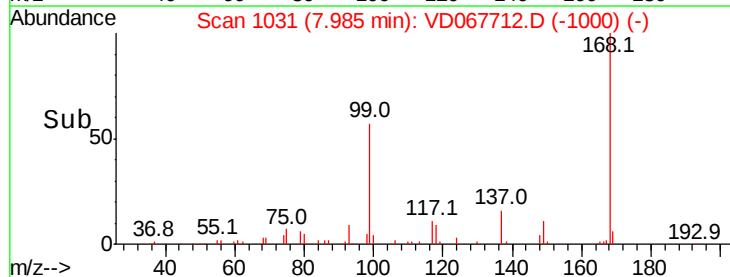
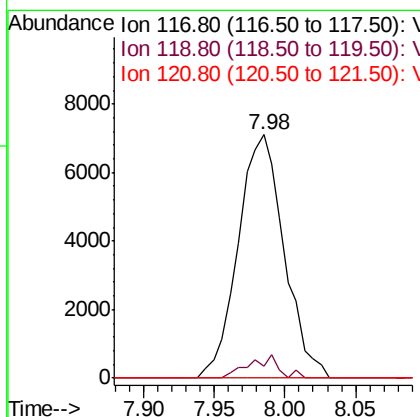
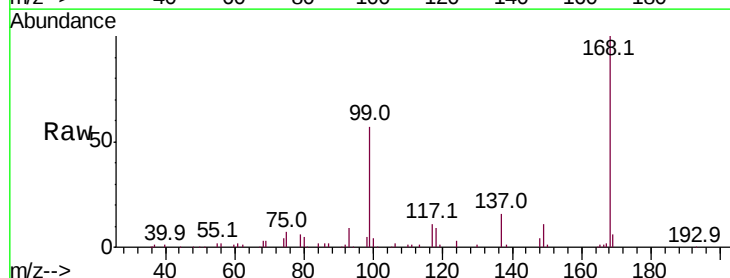
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 TR-04-111920

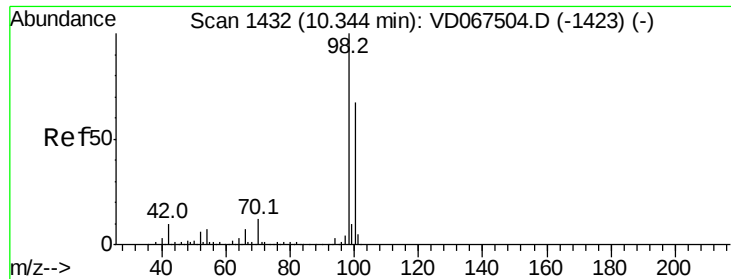
Tot Ion: 75 Resp: 10155
 Ion Ratio Lower Upper
 75 100
 110 12.7 19.9 59.7#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.261 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD067712.D
 Acq: 19 Nov 2020 16:59

Tgt Ion: 117 Resp: 16203
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.9 115.3#
 121 0.0 24.5 36.7#

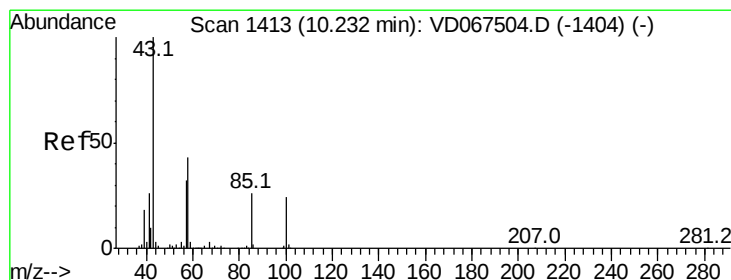
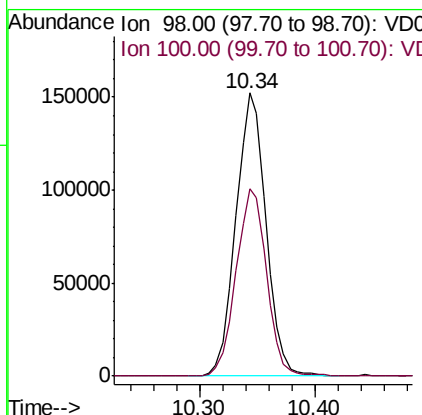
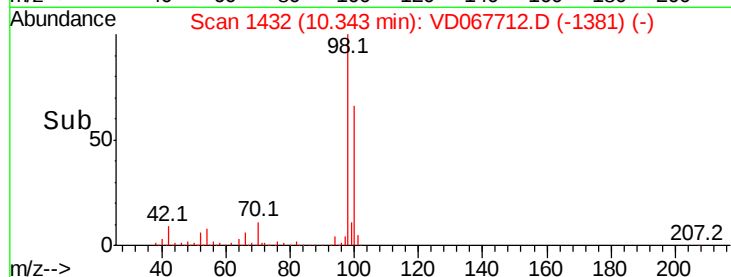
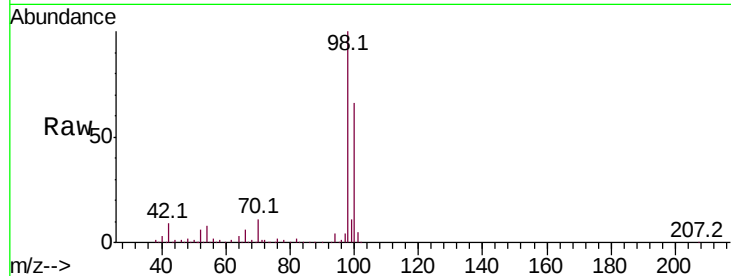




#50
Toluene-d8
Concen: 55.872 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067712.D
Acq: 19 Nov 2020 16:59

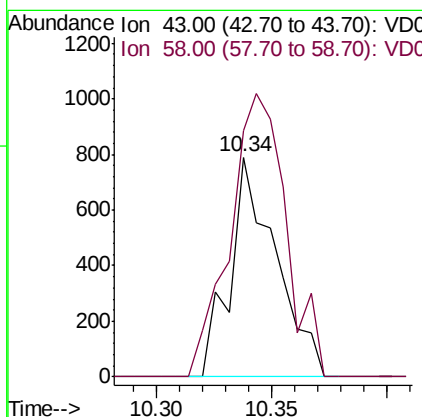
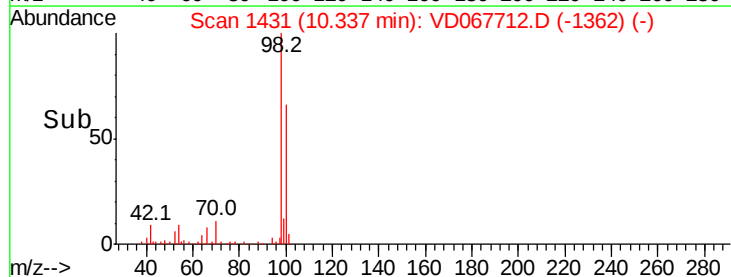
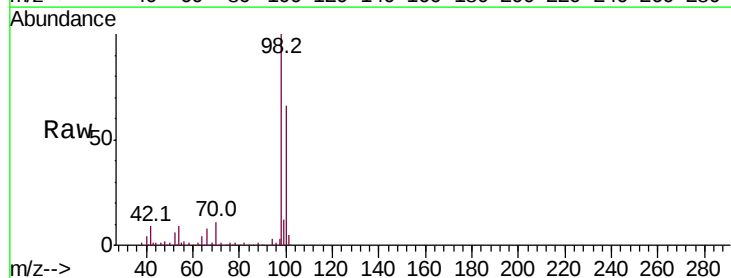
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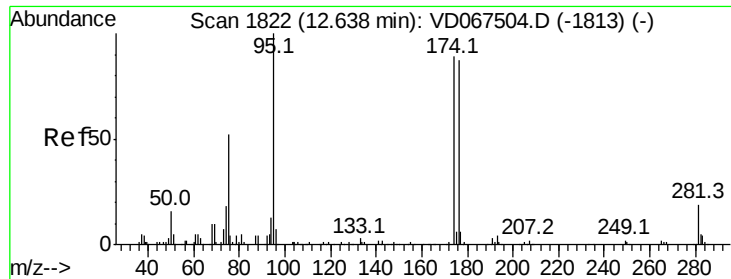
Tot Ion: 98 Resp: 275259
Ion Ratio Lower Upper
98 100
100 67.0 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.241 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD067712.D
Acq: 19 Nov 2020 16:59

Tgt Ion: 43 Resp: 1096
Ion Ratio Lower Upper
43 100
58 157.5 35.6 53.4#

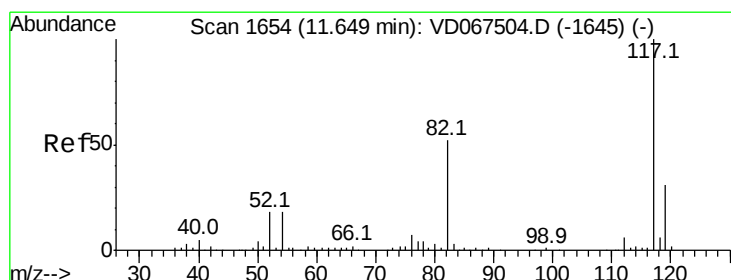
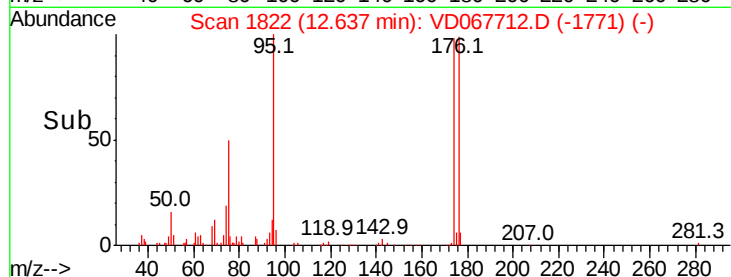
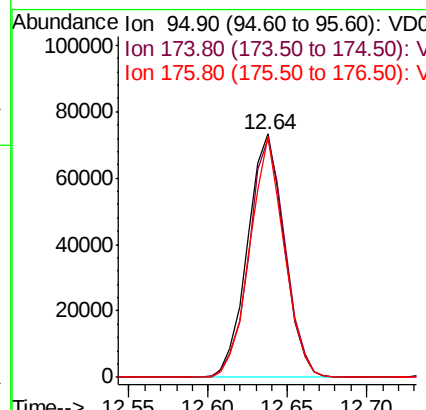
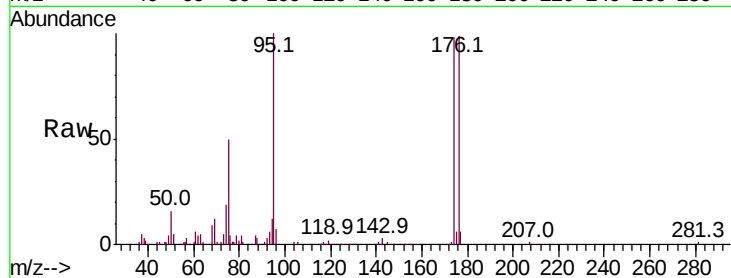




#62
4-Bromofluorobenzene
Concen: 68.998 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067712.D
Acq: 19 Nov 2020 16:59

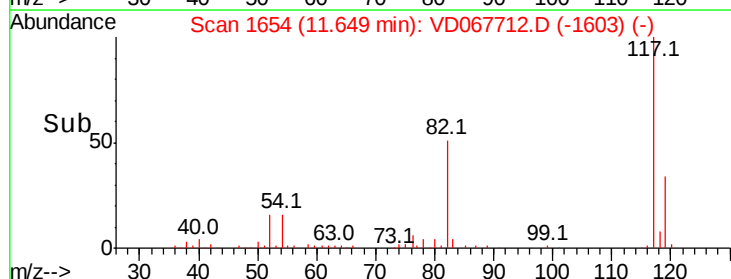
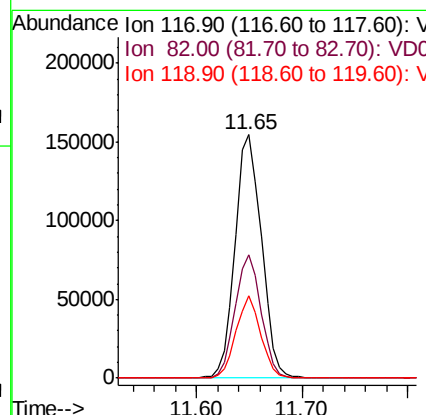
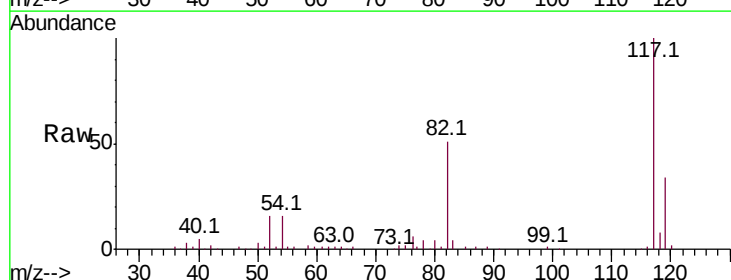
Instrument :
MSVOA_D
ClientSampleId :
TR-04-111920

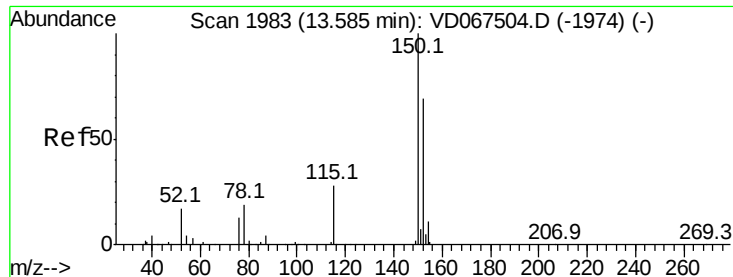
Tot Ion: 95 Resp: 117358
Ion Ratio Lower Upper
95 100
174 97.0 0.0 177.8
176 92.7 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067712.D
Acq: 19 Nov 2020 16:59

Tgt Ion: 117 Resp: 266556
Ion Ratio Lower Upper
117 100
82 50.8 41.6 62.4
119 33.6 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067712.D

Acq: 19 Nov 2020 16:59

Instrument :

MSVOA_D

ClientSampleId :

TR-04-111920

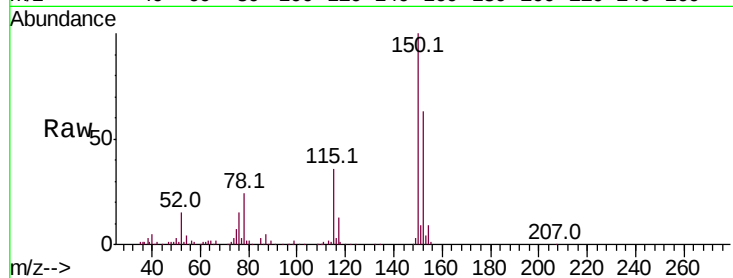
Tot Ion:152 Resp: 140526

Ion Ratio Lower Upper

152 100

115 56.3 29.3 88.0

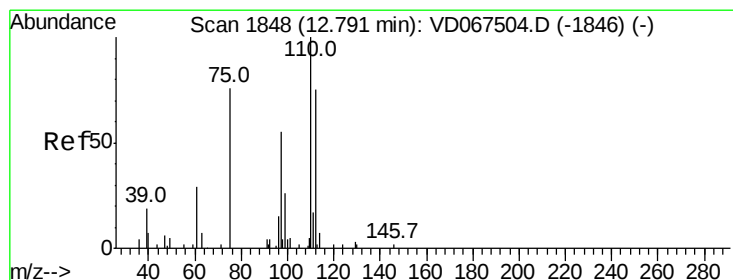
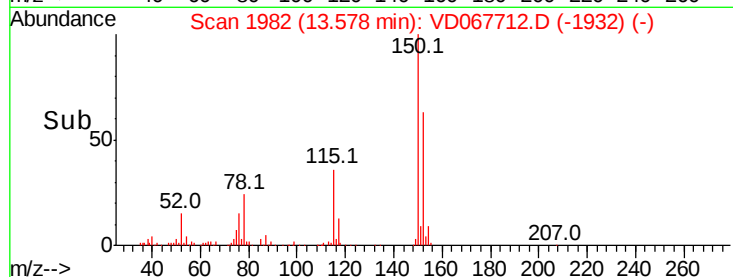
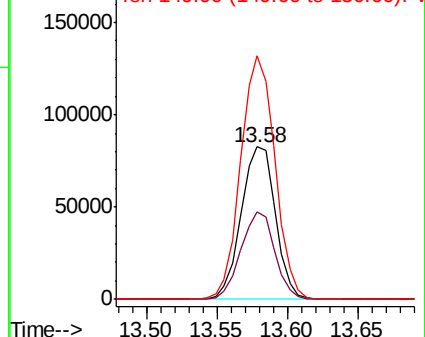
150 159.4 0.0 338.2



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: 71.567 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067712.D

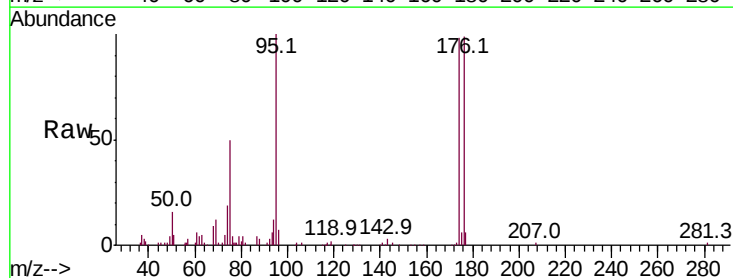
Acq: 19 Nov 2020 16:59

Tgt Ion: 75 Resp: 60670

Ion Ratio Lower Upper

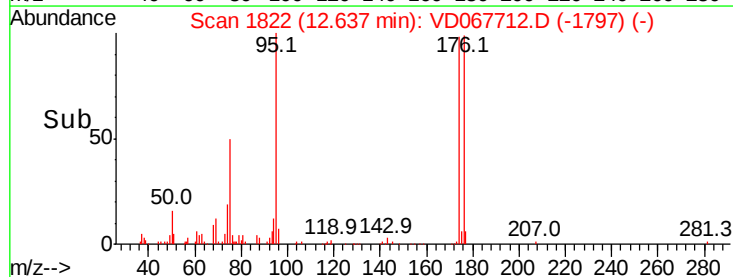
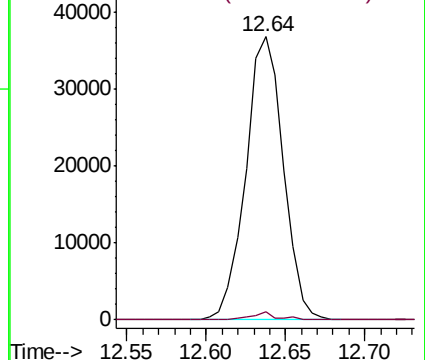
75 100

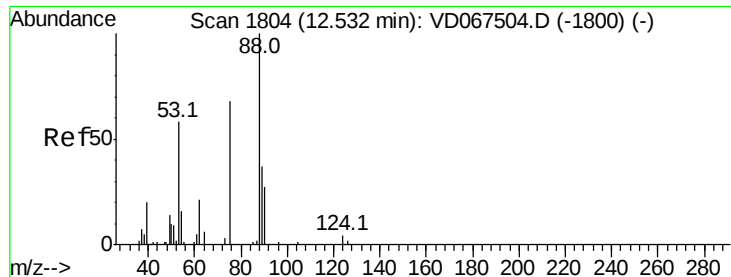
77 1.7 0.0 0.0#



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: 145.301 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067712.D

Acq: 19 Nov 2020 16:59

Instrument :

MSVOA_D

ClientSampleId :

TR-04-111920

Tot Ion: 75 Resp: 60670

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.1 44.6 67.0#

