

Data File : VD067763.D
Acq On : 24 Nov 2020 12:30
Operator : VA/SY
Sample : L4875-01
Misc : 6.25G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-08-112320

Quant Time: Nov 25 02:03:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	85689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	135255	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	155749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	87849	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	56240	67.50	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	=	135.00%	
35) Dibromofluoromethane	7.92	113	47668	55.38	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	=	110.76%	
50) Toluene-d8	10.34	98	161957	51.46	ug/l	0.00
Spiked Amount 50.000	Range	49 - 140	Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.64	95	68206	63.41	ug/l	0.00
Spiked Amount 50.000	Range	25 - 144	Recovery	=	126.82%	

Target Compounds

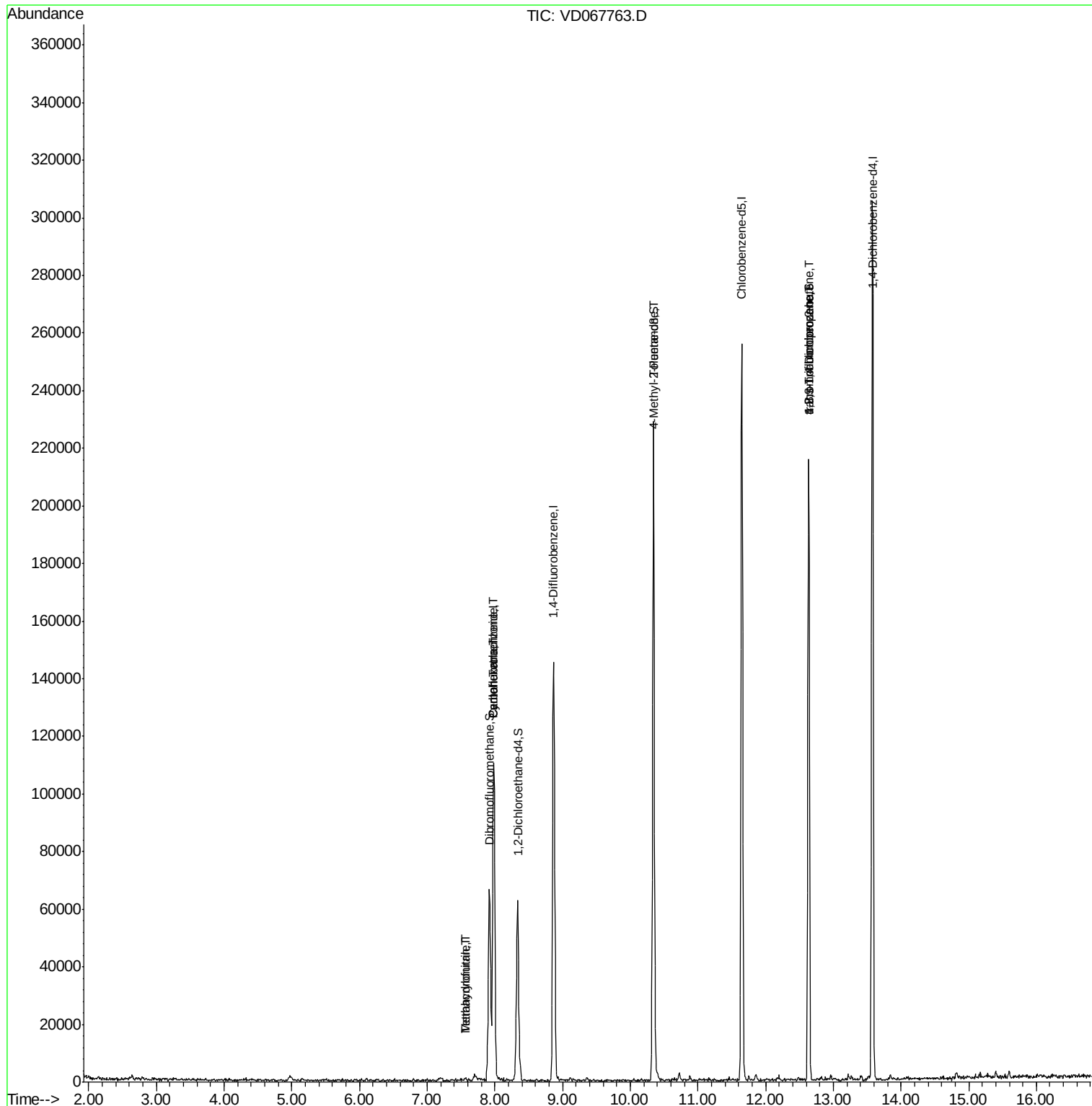
						Qvalue
20) Methylene Chloride	4.97	84	1880	Below Cal	#	40
29) Tetrahydrofuran	7.57	42	576	8.388	ug/l #	57
31) Cyclohexane	7.97	56	1893	1.878	ug/l #	49
38) Carbon Tetrachloride	7.98	117	9946	5.912	ug/l #	12
41) Methacrylonitrile	7.57	41	403	2.529	ug/l #	26
51) 4-Methyl-2-Pentanone	10.36	43	628	2.141	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	35464	57.923	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	35464	135.477	ug/l #	11

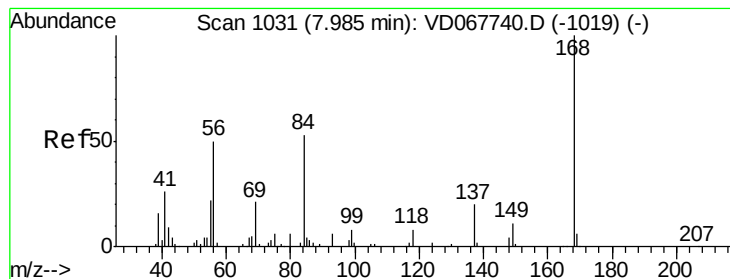
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067763.D

Acq: 24 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

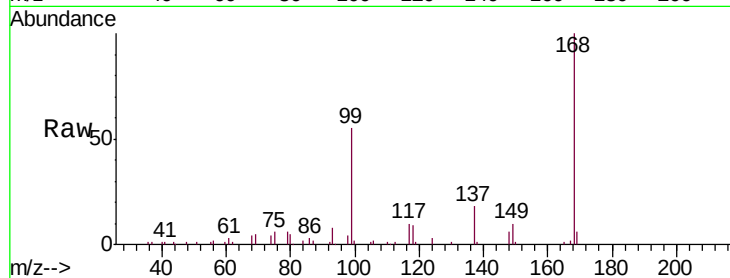
TR-08-112320

Tgt Ion:168 Resp: 85689

Ion Ratio Lower Upper

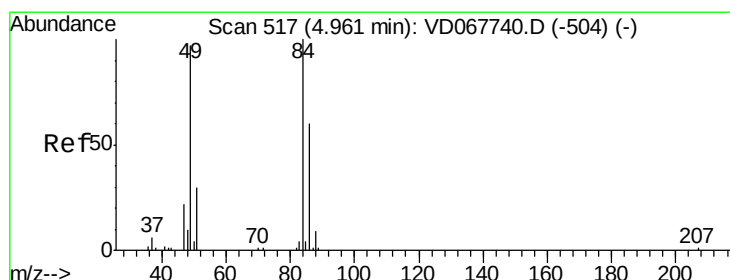
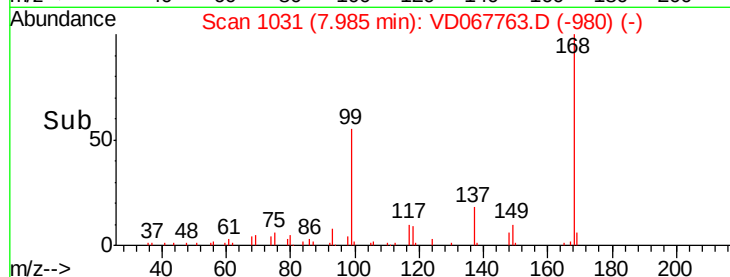
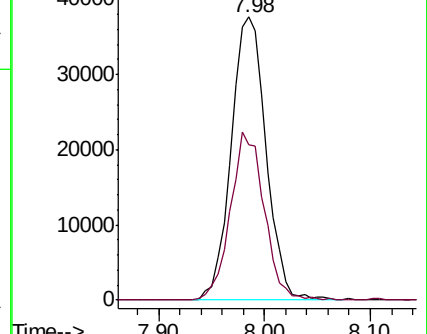
168 100

99 54.7 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067763.D

Acq: 24 Nov 2020 12:30

Tgt Ion: 84 Resp: 1880

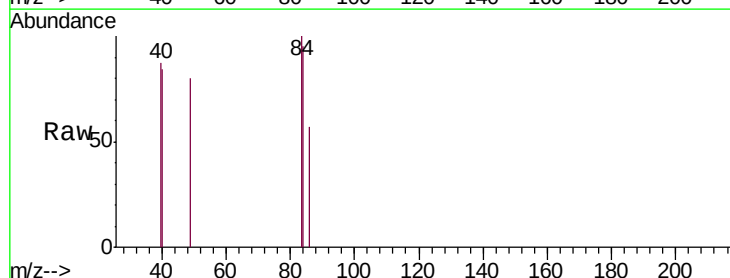
Ion Ratio Lower Upper

84 100

49 41.3 77.4 116.2#

51 0.0 24.1 36.1#

86 8.5 48.2 72.2#

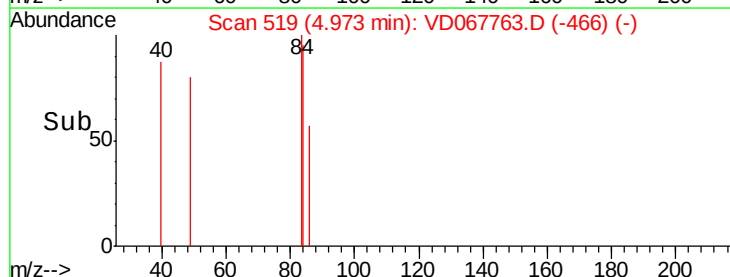
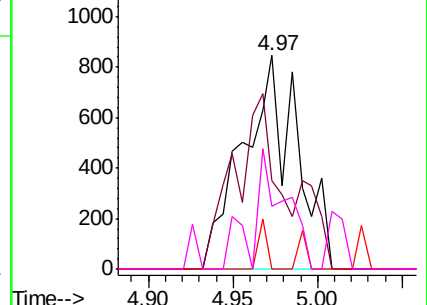


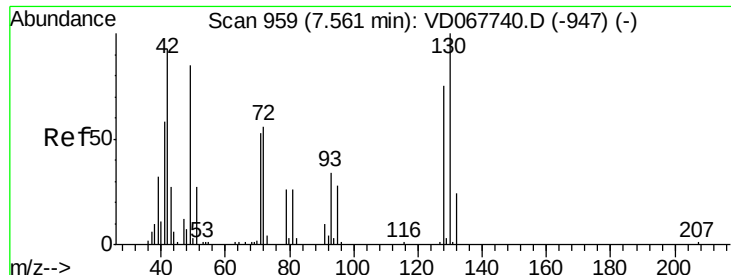
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

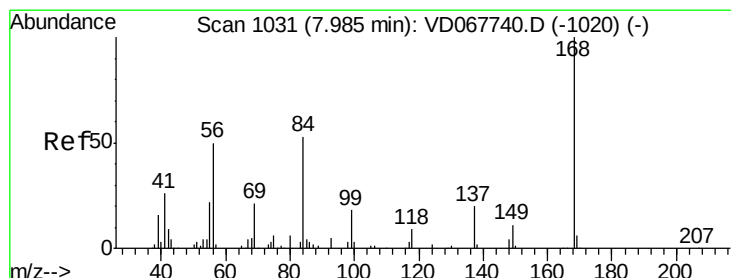
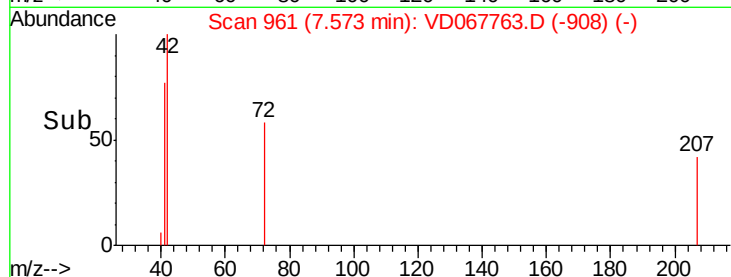
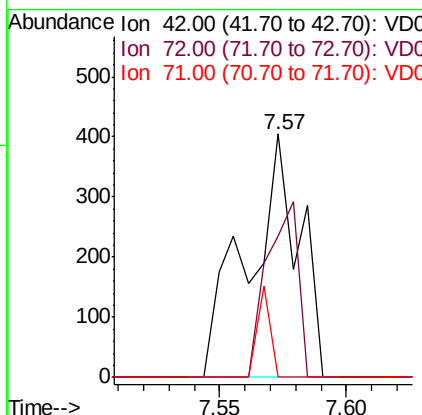
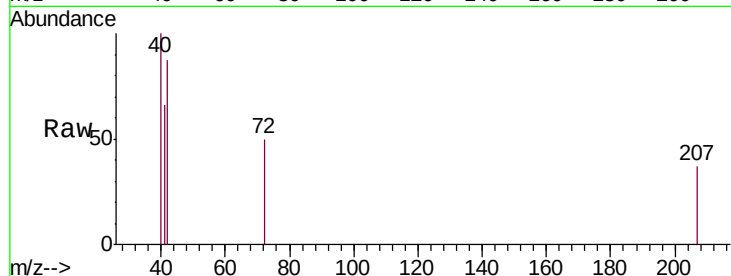




#29
Tetrahydrofuran
Concen: 8.388 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD067763.D
Acq: 24 Nov 2020 12:30

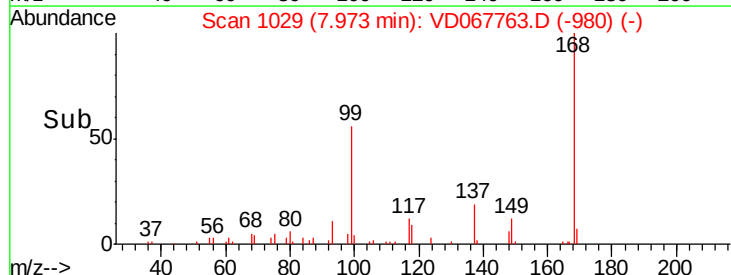
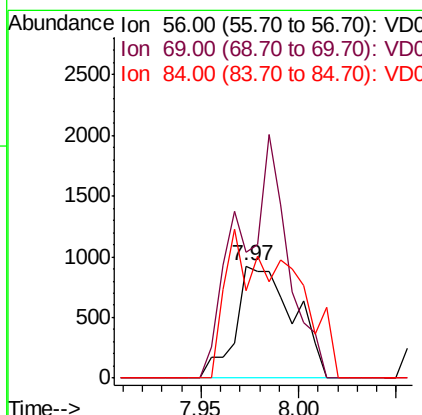
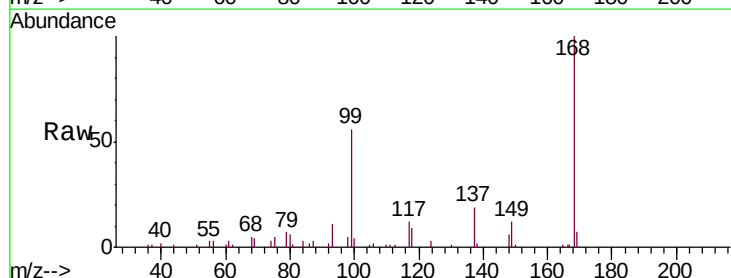
Instrument :
MSVOA_D
ClientSampleId :
TR-08-112320

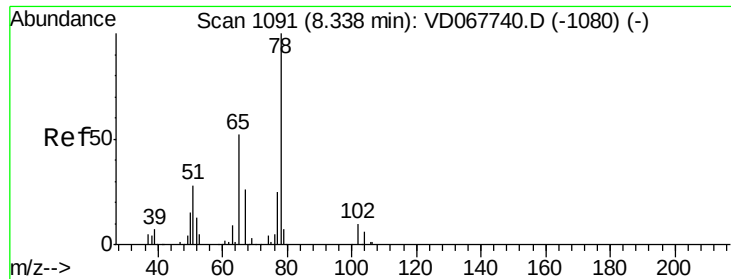
Tgt Ion: 42 Resp: 576
Ion Ratio Lower Upper
42 100
72 44.1 49.3 73.9#
71 9.4 45.9 68.9#



#31
Cyclohexane
Concen: 1.878 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067763.D
Acq: 24 Nov 2020 12:30

Tgt Ion: 56 Resp: 1893
Ion Ratio Lower Upper
56 100
69 112.4 33.2 49.8#
84 78.3 84.8 127.2#

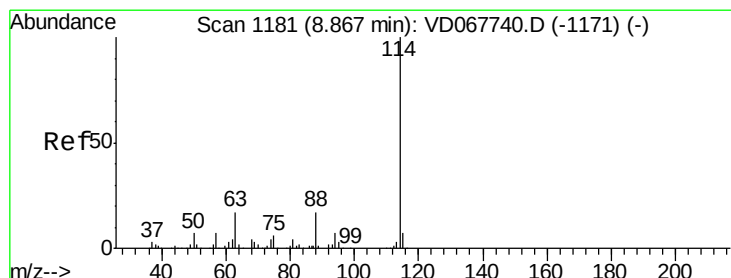
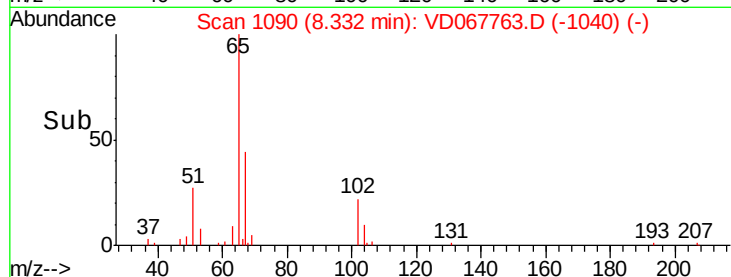
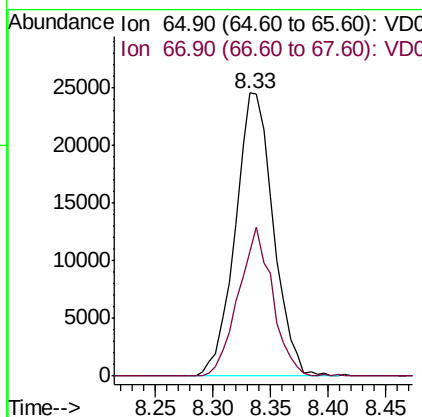
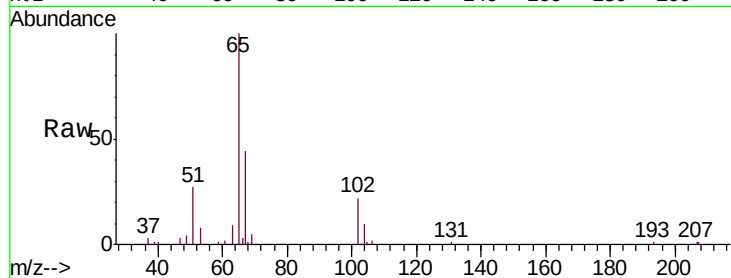




#33
 1,2-Dichloroethane-d4
 Concen: 67.502 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067763.D
 Acq: 24 Nov 2020 12:30

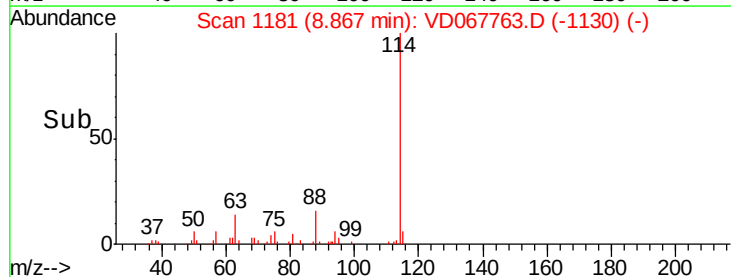
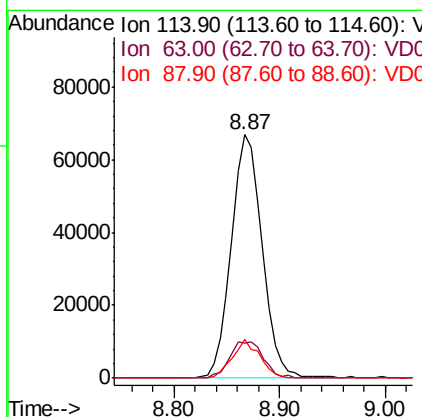
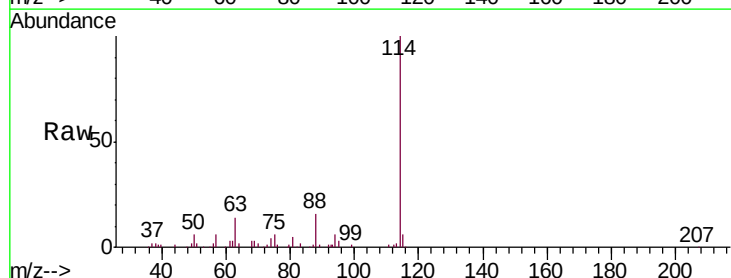
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-08-112320

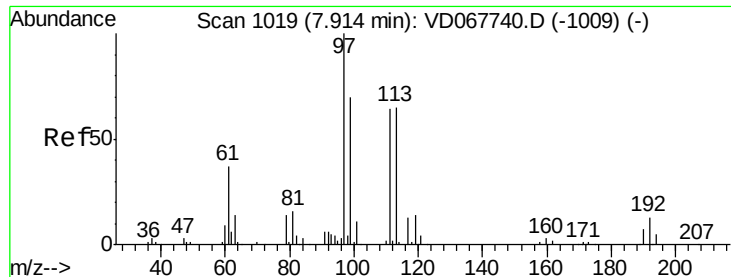
Tgt Ion: 65 Resp: 56240
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067763.D
 Acq: 24 Nov 2020 12:30

Tgt Ion: 114 Resp: 135255
 Ion Ratio Lower Upper
 114 100
 63 14.5 0.0 34.8
 88 16.2 0.0 34.4

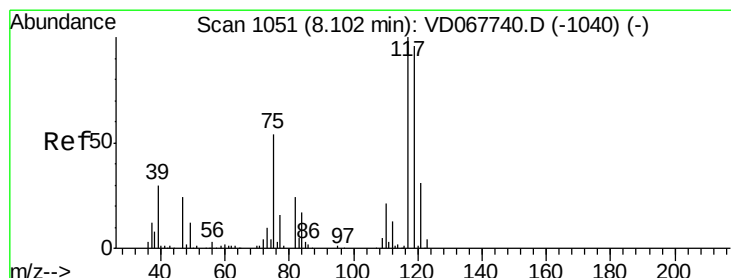
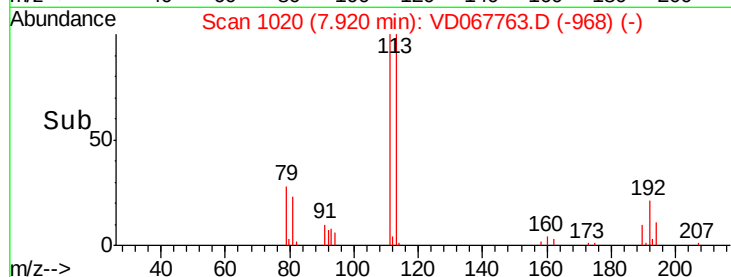
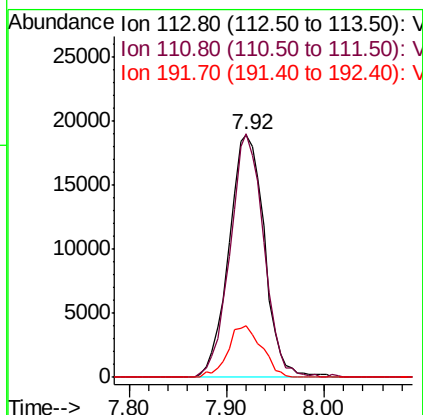
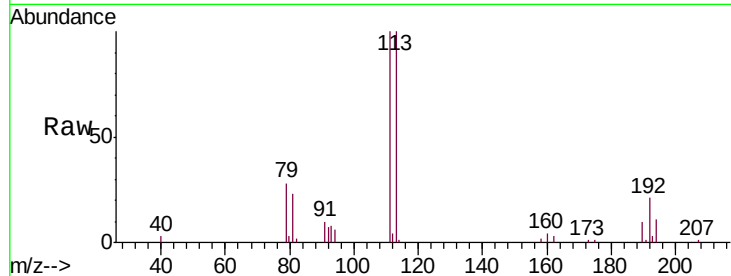




#35
 Dibromofluoromethane
 Concen: 55.379 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067763.D
 Acq: 24 Nov 2020 12:30

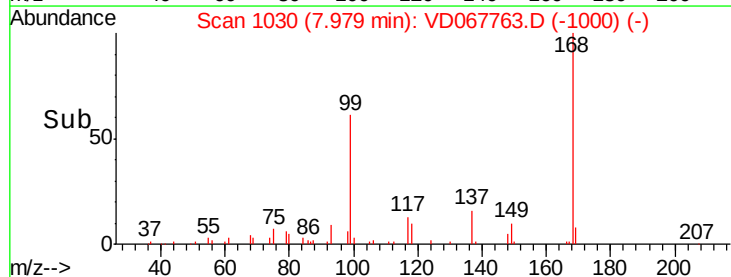
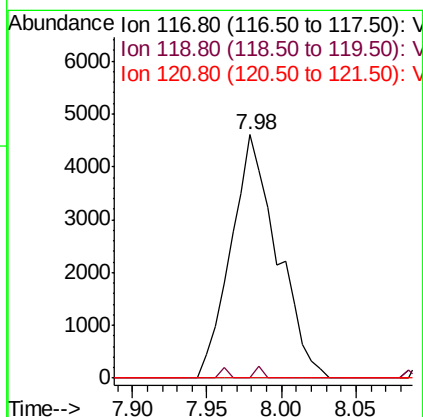
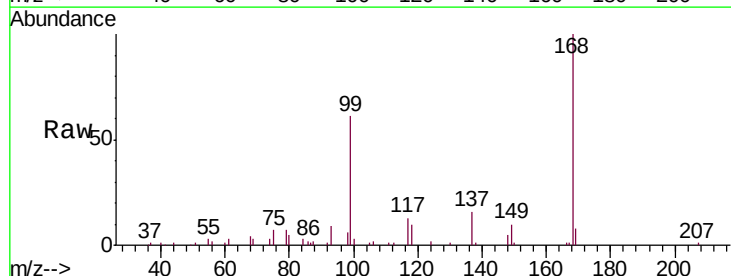
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-08-112320

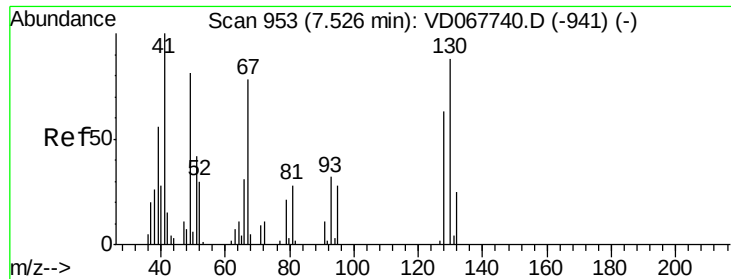
Tgt Ion:113 Resp: 47668
 Ion Ratio Lower Upper
 113 100
 111 95.3 81.4 122.0
 192 20.5 17.0 25.4



#38
 Carbon Tetrachloride
 Concen: 5.912 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067763.D
 Acq: 24 Nov 2020 12:30

Tgt Ion:117 Resp: 9946
 Ion Ratio Lower Upper
 117 100
 119 0.0 76.6 115.0#
 121 0.0 24.5 36.7#





#41

Methacrylonitrile

Concen: 2.529 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.05 min

Lab File: VD067763.D

Acq: 24 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

TR-08-112320

Tgt Ion: 41 Resp: 403

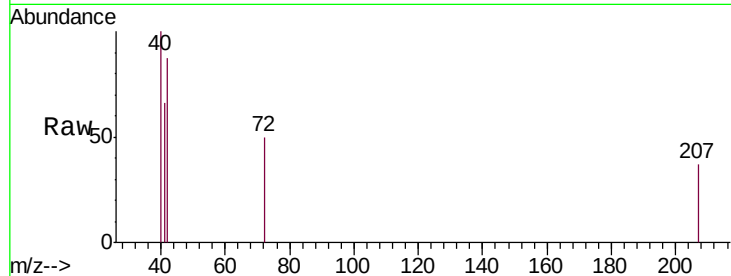
Ion Ratio Lower Upper

41 100

39 31.0 50.2 75.4#

67 0.0 79.0 118.6#

52 0.0 32.4 48.6#

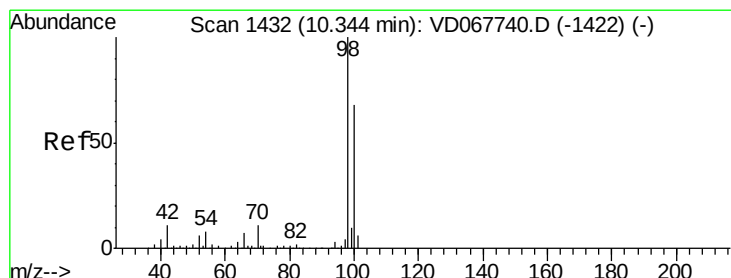
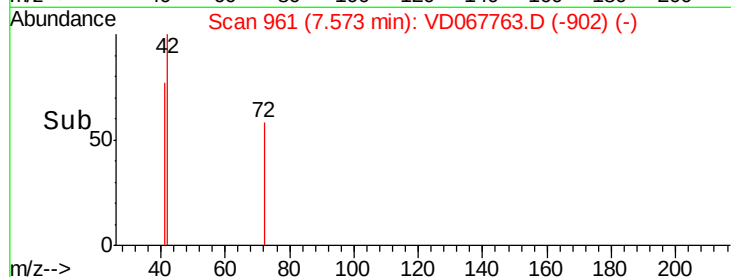
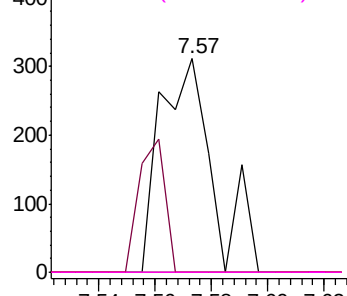


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#50

Toluene-d8

Concen: 51.464 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067763.D

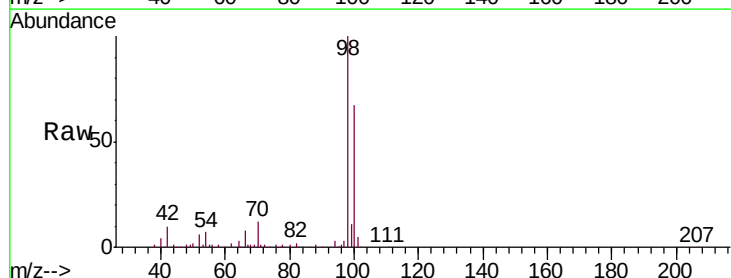
Acq: 24 Nov 2020 12:30

Tgt Ion: 98 Resp: 161957

Ion Ratio Lower Upper

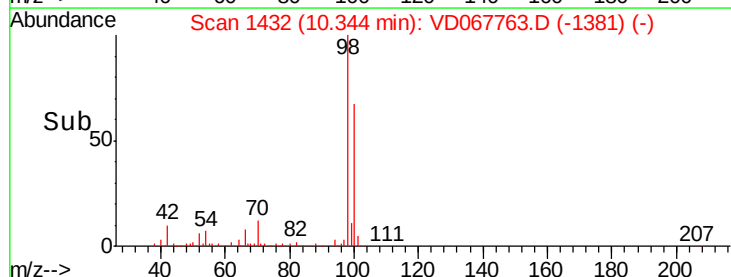
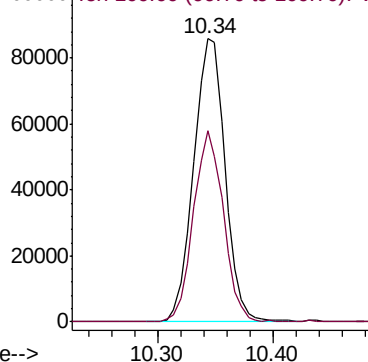
98 100

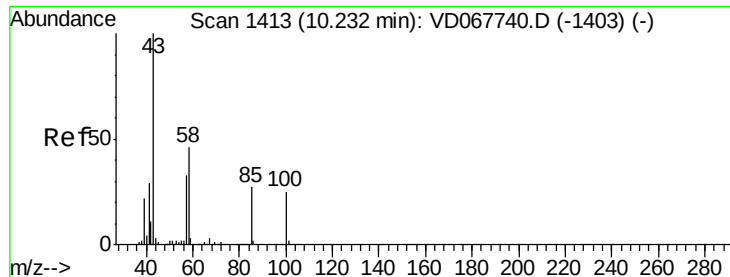
100 64.3 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

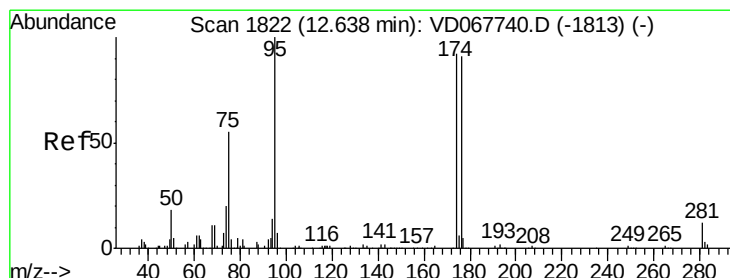
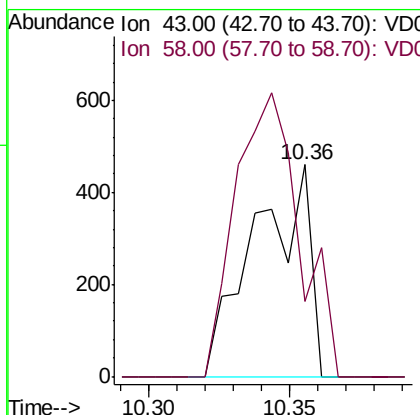
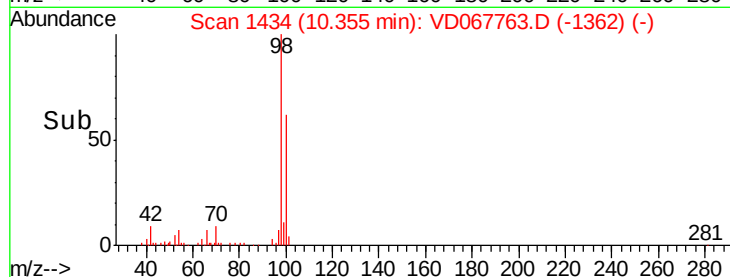
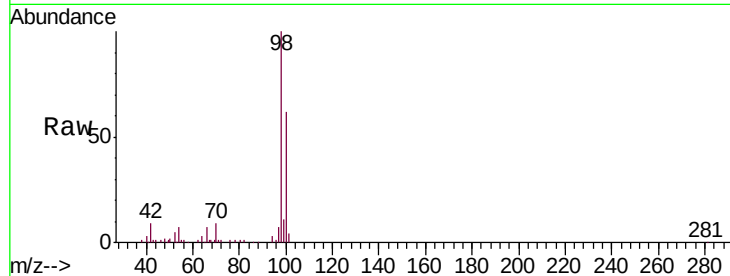




#51
4-Methyl-2-Pentanone
Concen: 2.141 ug/l
RT: 10.36 min Scan# 1434
Delta R.T. 0.12 min
Lab File: VD067763.D
Acq: 24 Nov 2020 12:30

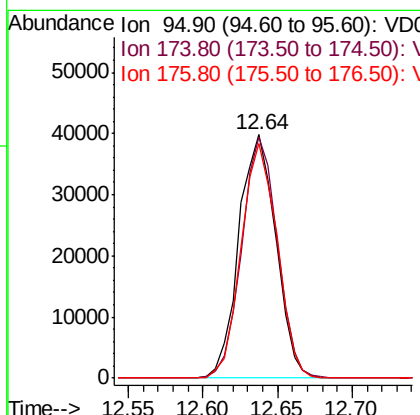
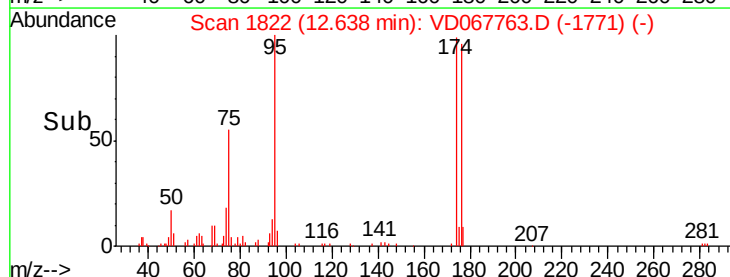
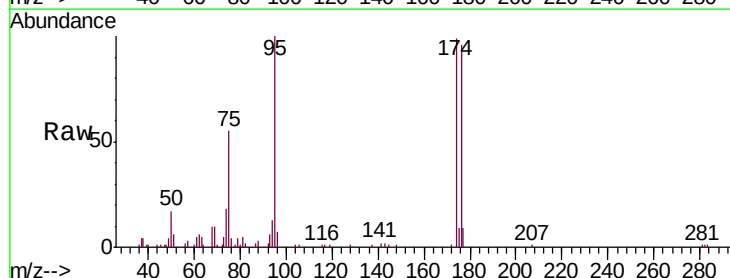
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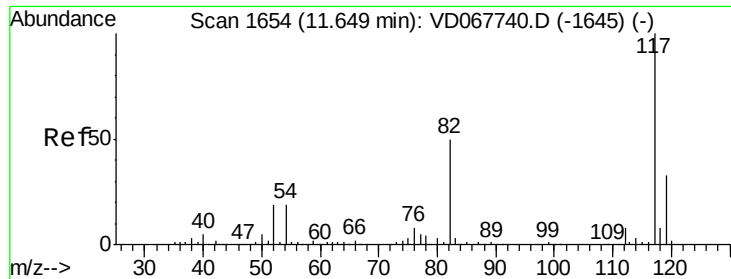
Tgt Ion: 43 Resp: 628
Ion Ratio Lower Upper
43 100
58 154.0 34.7 52.1#



#62
4-Bromofluorobenzene
Concen: 63.409 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067763.D
Acq: 24 Nov 2020 12:30

Tgt Ion: 95 Resp: 68206
Ion Ratio Lower Upper
95 100
174 95.6 0.0 182.4
176 93.4 0.0 178.2

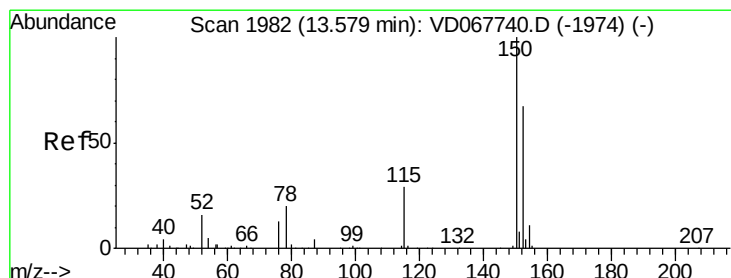
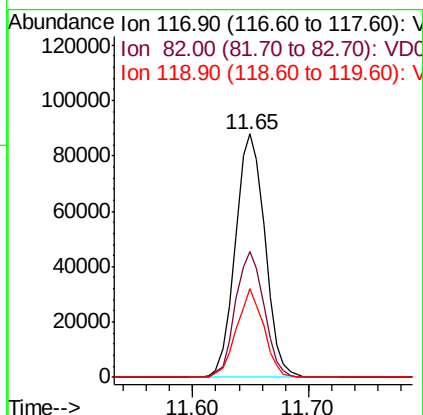
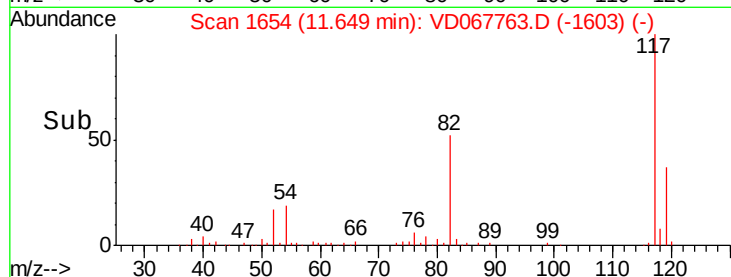
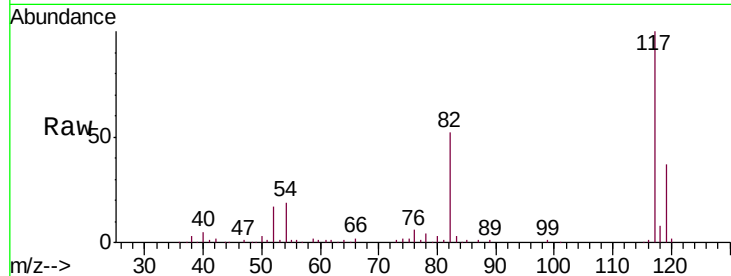




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067763.D
Acq: 24 Nov 2020 12:30

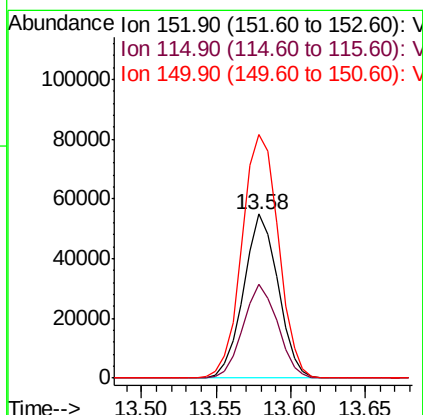
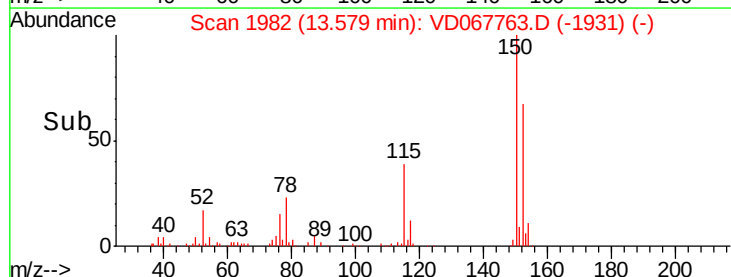
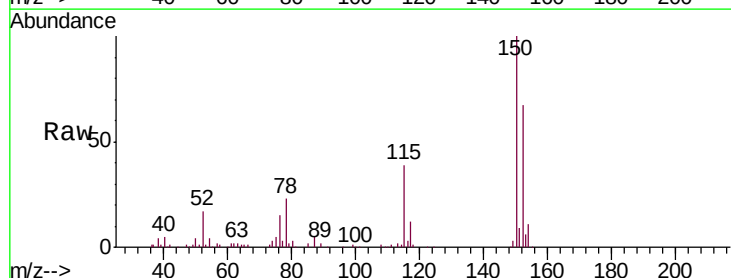
Instrument :
MSVOA_D
ClientSampleId :
TR-08-112320

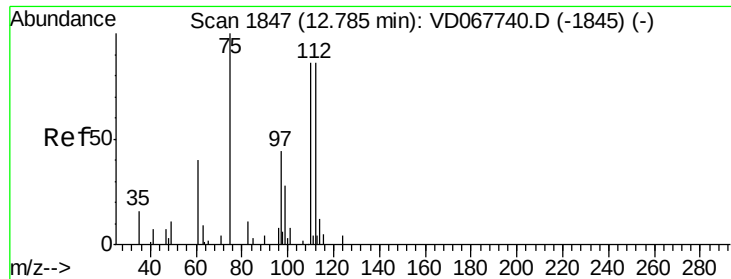
Tgt Ion:117 Resp: 155749
Ion Ratio Lower Upper
117 100
82 51.9 40.2 60.4
119 36.7 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067763.D
Acq: 24 Nov 2020 12:30

Tgt Ion:152 Resp: 87849
Ion Ratio Lower Upper
152 100
115 57.5 29.4 88.3
150 156.8 0.0 340.6

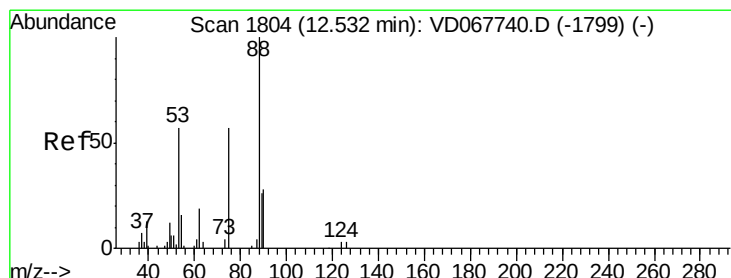
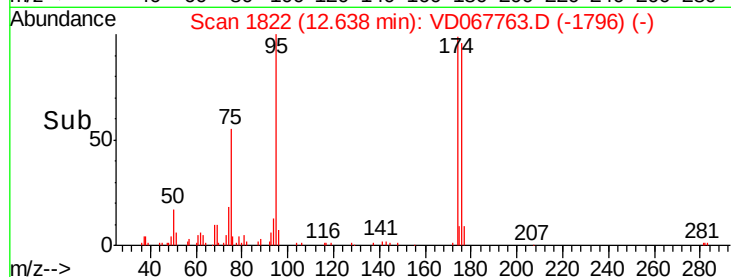
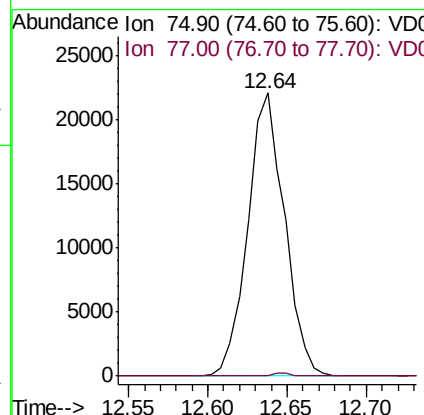
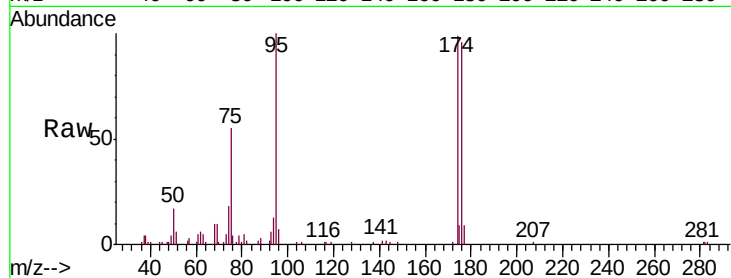




#76
 1,2,3-Trichloropropane
 Concen: 57.923 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067763.D
 Acq: 24 Nov 2020 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-08-112320

Tgt Ion: 75 Resp: 35464
 Ion Ratio Lower Upper
 75 100
 77 0.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.477 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067763.D
 Acq: 24 Nov 2020 12:30

Tgt Ion: 75 Resp: 35464
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.0 114.0#
 89 0.0 40.2 60.4#

