

Data File : VD067764.D
Acq On : 24 Nov 2020 12:58
Operator : VA/SY
Sample : L4597-01
Misc : 7.13G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BU-03-112320

Quant Time: Nov 25 02:04:00 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	22164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	34819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	41700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	21996	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	14808	68.71	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	137.42%
35) Dibromofluoromethane	7.91	113	11580	52.26	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.52%
50) Toluene-d8	10.34	98	40763	50.32	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.64%
62) 4-Bromofluorobenzene	12.63	95	16770	60.56	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	121.12%

Target Compounds

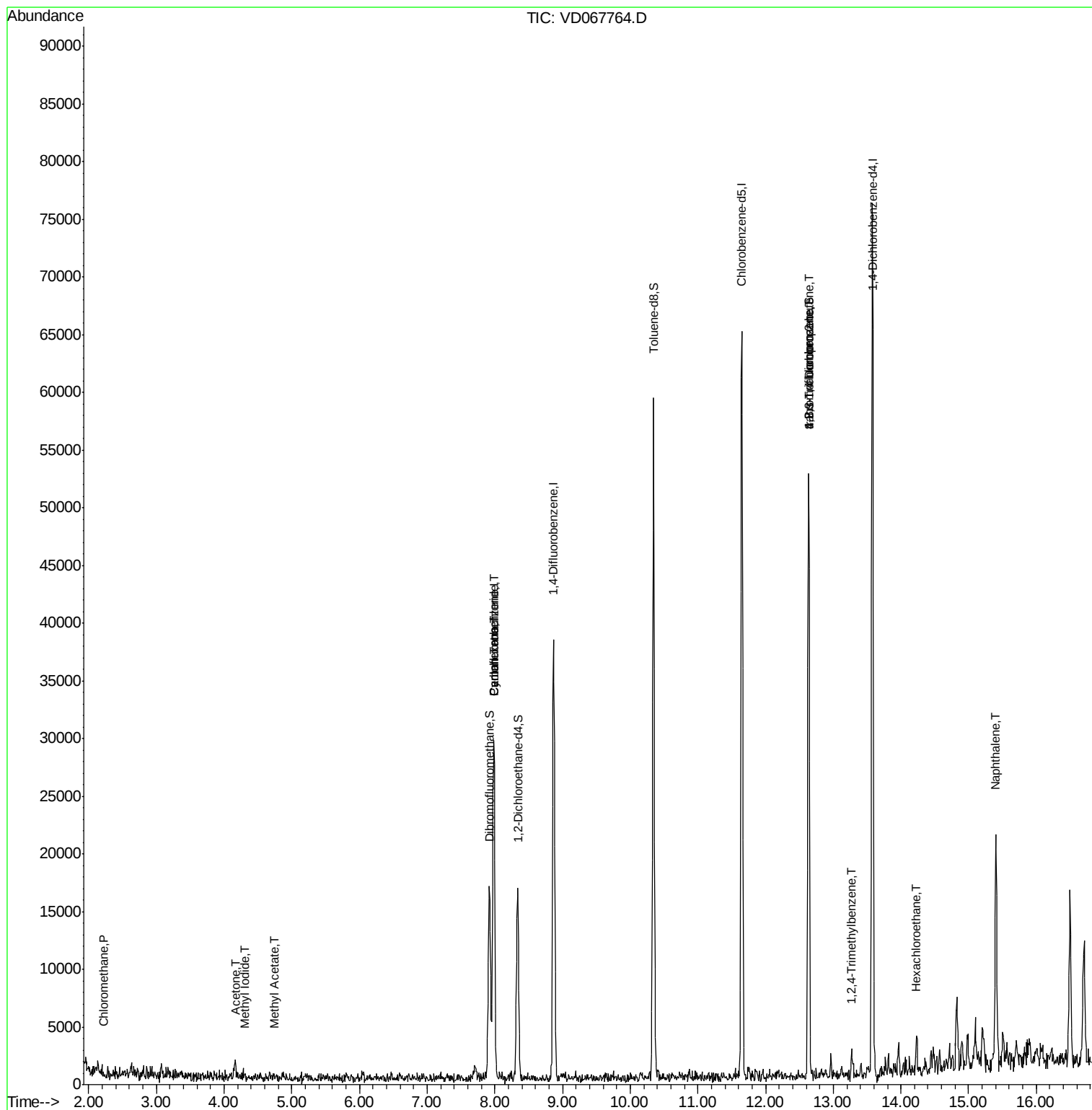
						Qvalue
3) Chloromethane	2.21	50	114	1.062	ug/l #	40
10) Methyl Iodide	4.31	142	208	1.034	ug/l #	34
16) Acetone	4.17	43	2002	71.910	ug/l #	72
18) Methyl Acetate	4.74	43	68	1.214	ug/l #	38
31) Cyclohexane	7.99	56	325	1.246	ug/l #	17
38) Carbon Tetrachloride	7.98	117	2462	5.685	ug/l #	12
76) 1,2,3-Trichloropropane	12.63	75	8720	56.881	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	8720	133.041	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.28	105	1268	1.008	ug/l	89
90) Hexachloroethane	14.23	117	888	3.389	ug/l #	7
95) Naphthalene	15.41	128	18927	27.346	ug/l	98

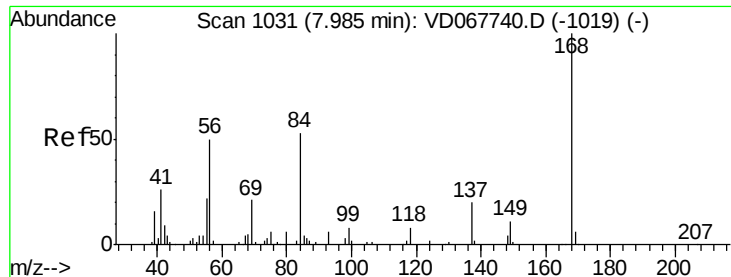
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067764.D

Acq: 24 Nov 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

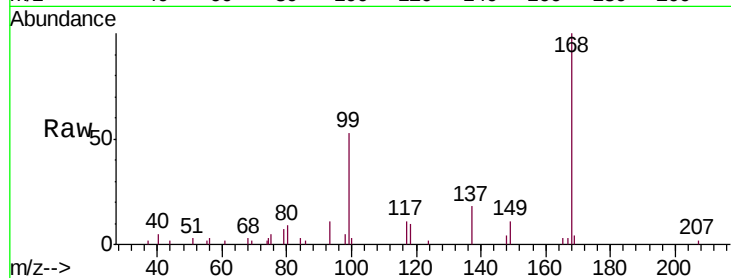
BU-03-112320

Tgt Ion:168 Resp: 22164

Ion Ratio Lower Upper

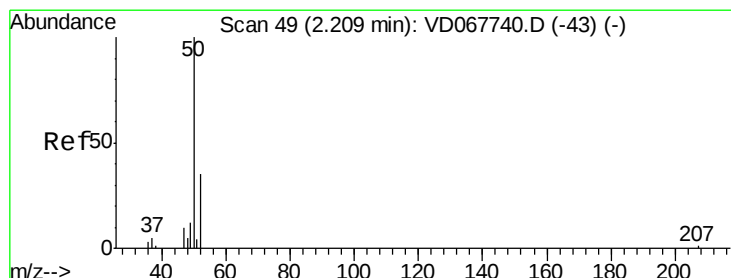
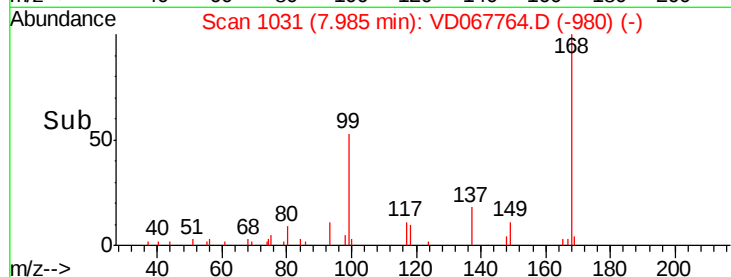
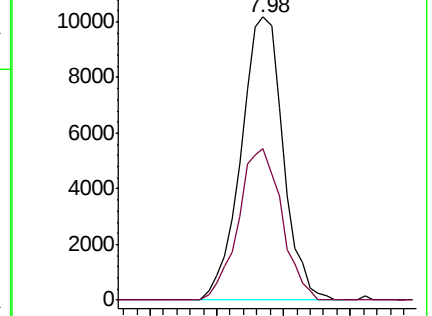
168 100

99 53.4 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 1.062 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067764.D

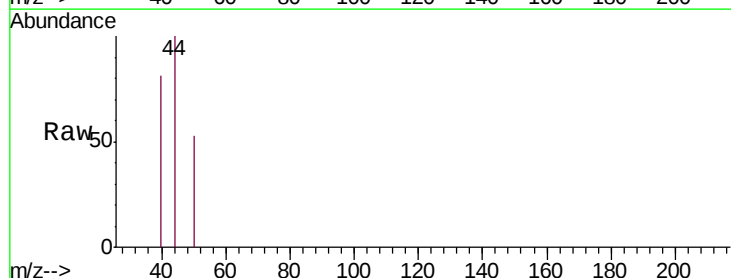
Acq: 24 Nov 2020 12:58

Tgt Ion: 50 Resp: 114

Ion Ratio Lower Upper

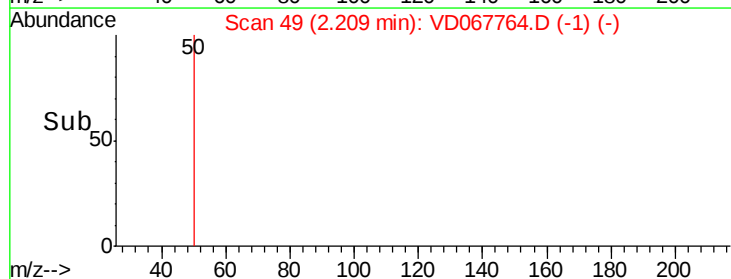
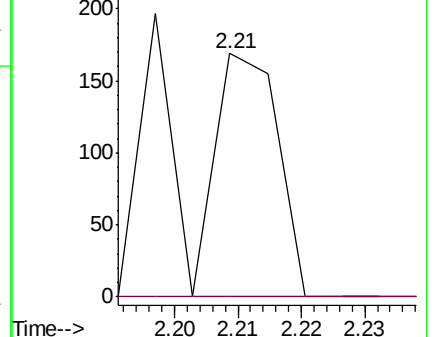
50 100

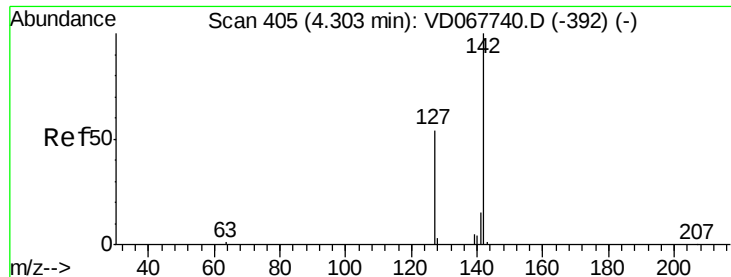
52 0.0 27.8 41.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

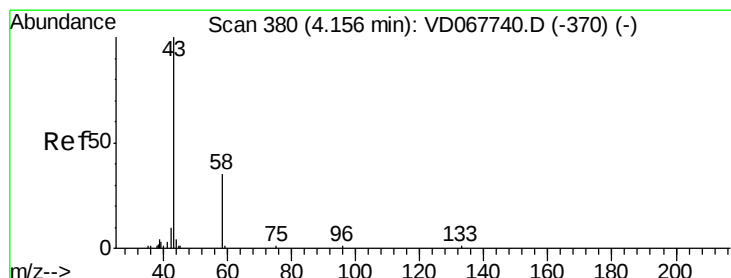
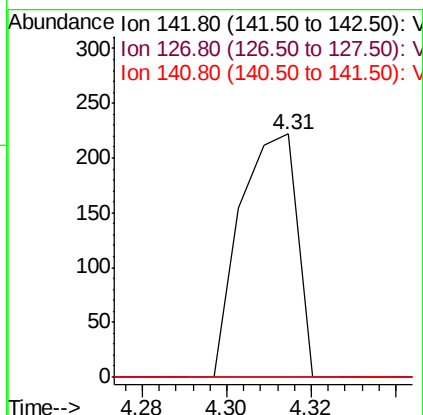
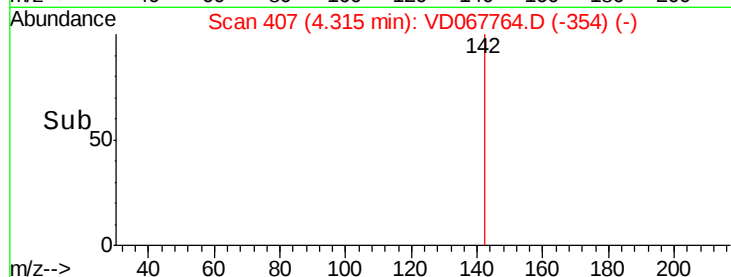
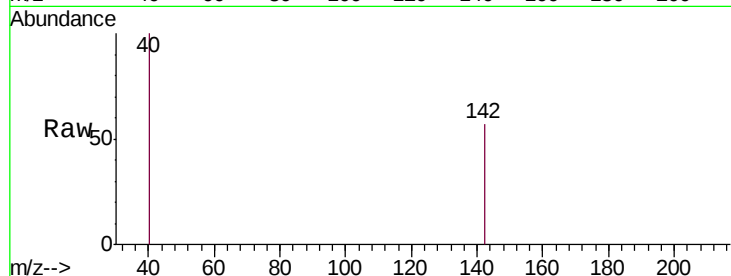




#10
Methyl Iodide
Concen: 1.034 ug/l
RT: 4.31 min Scan# 407
Delta R.T. 0.01 min
Lab File: VD067764.D
Acq: 24 Nov 2020 12:58

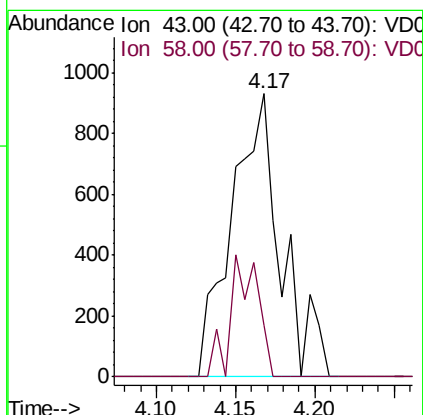
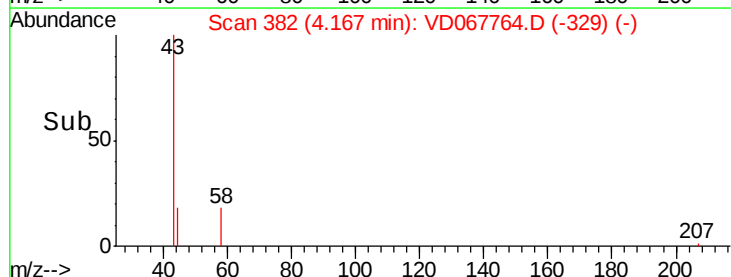
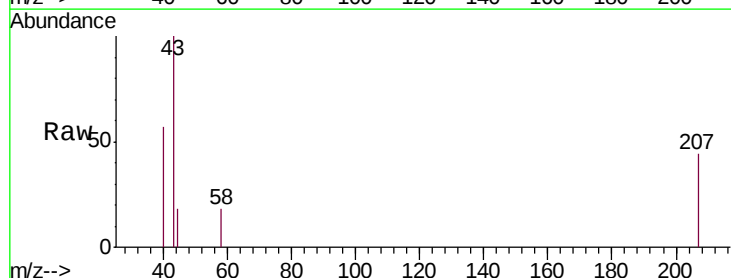
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BU-03-112320

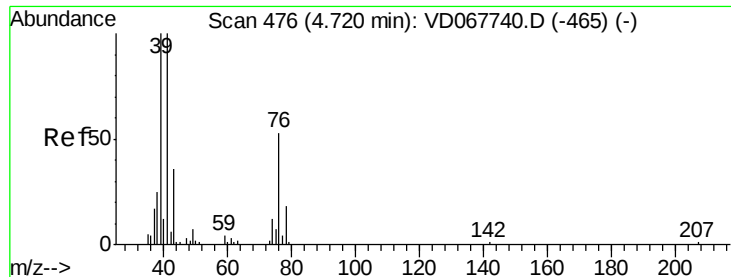
Tgt Ion: 142 Resp: 208
Ion Ratio Lower Upper
142 100
127 0.0 42.2 63.2#
141 0.0 11.8 17.6#



#16
Acetone
Concen: 71.910 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.01 min
Lab File: VD067764.D
Acq: 24 Nov 2020 12:58

Tgt Ion: 43 Resp: 2002
Ion Ratio Lower Upper
43 100
58 18.2 27.6 41.4#

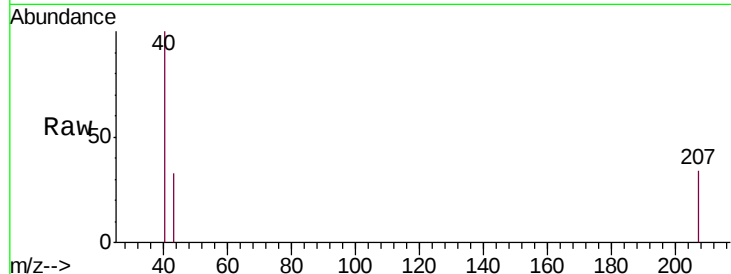




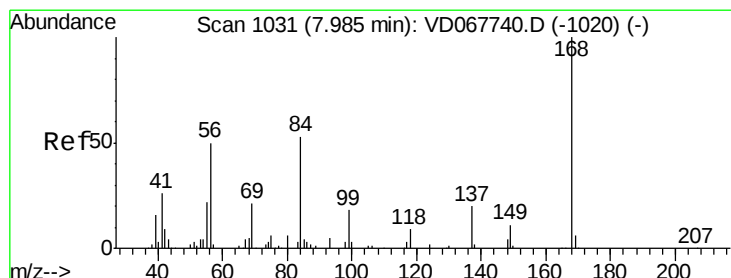
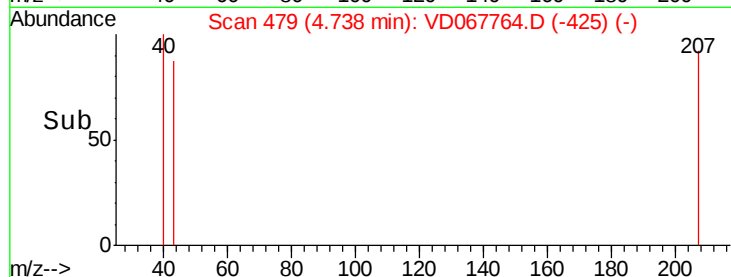
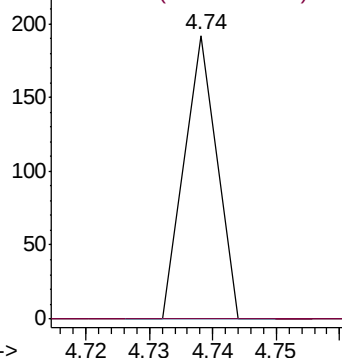
#18
Methyl Acetate
Concen: 1.214 ug/l
RT: 4.74 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD067764.D
Acq: 24 Nov 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
BU-03-112320

Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
74 0.0 29.7 44.5#

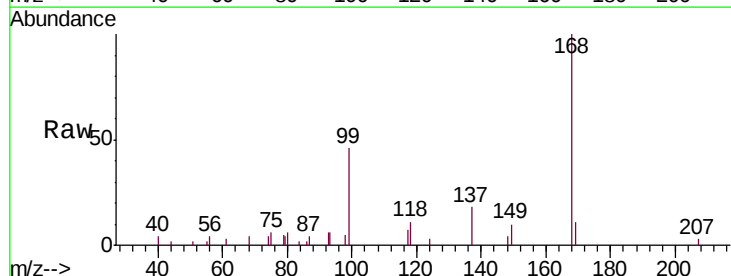


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

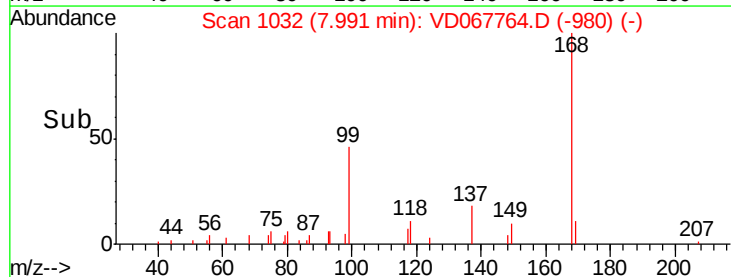
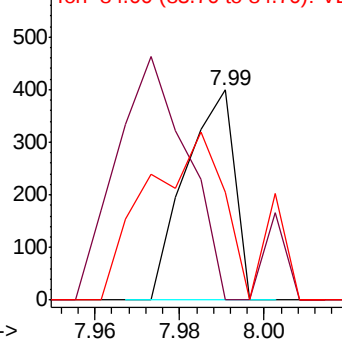


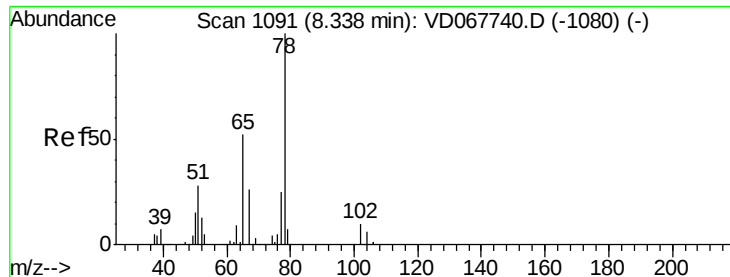
#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067764.D
Acq: 24 Nov 2020 12:58

Tgt Ion: 56 Resp: 325
Ion Ratio Lower Upper
56 100
69 0.0 33.2 49.8#
84 12.8 84.8 127.2#



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

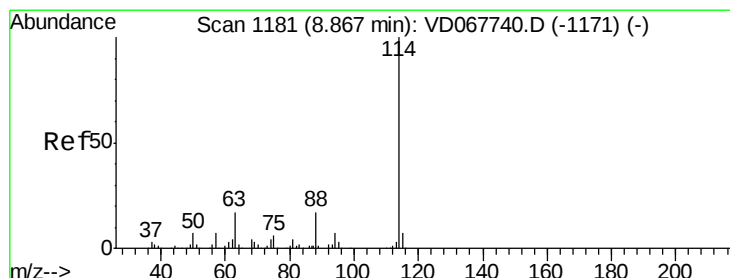
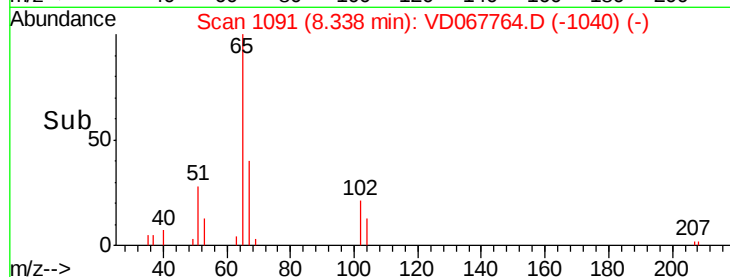
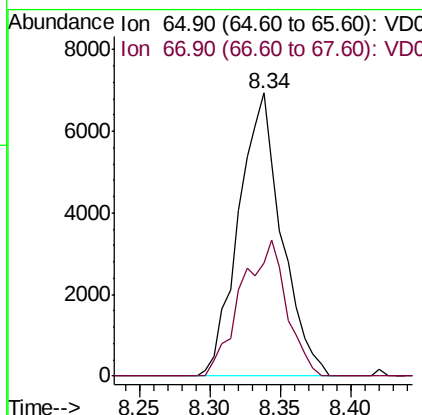
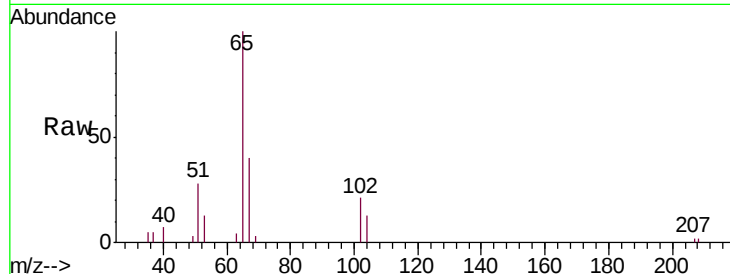




#33
 1,2-Dichloroethane-d4
 Concen: 68.713 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067764.D
 Acq: 24 Nov 2020 12:58

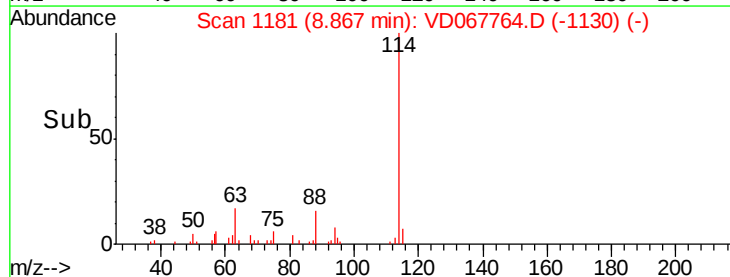
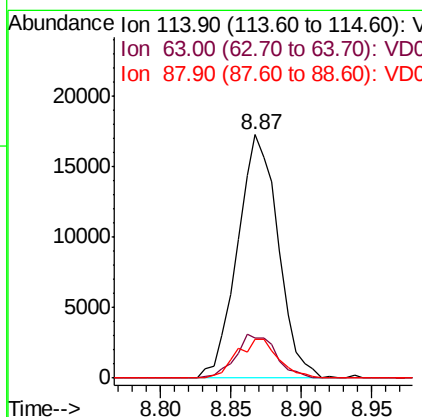
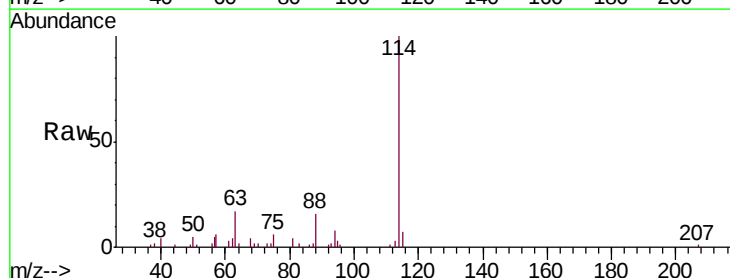
Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-112320

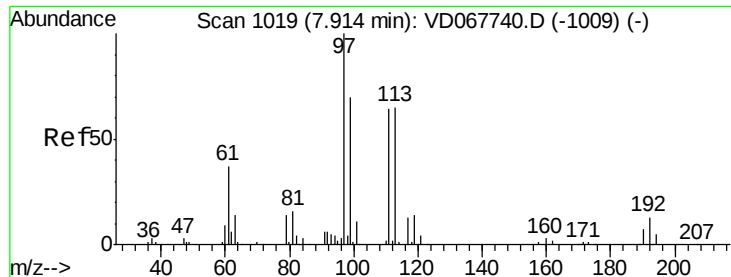
Tgt Ion: 65 Resp: 14808
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067764.D
 Acq: 24 Nov 2020 12:58

Tgt Ion: 114 Resp: 34819
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 34.8
 88 15.7 0.0 34.4

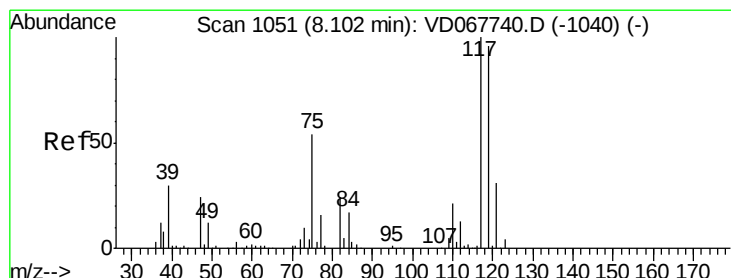
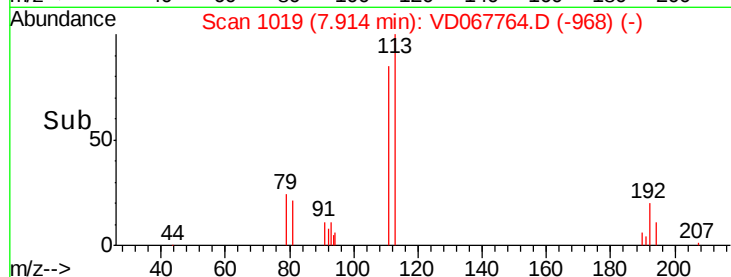
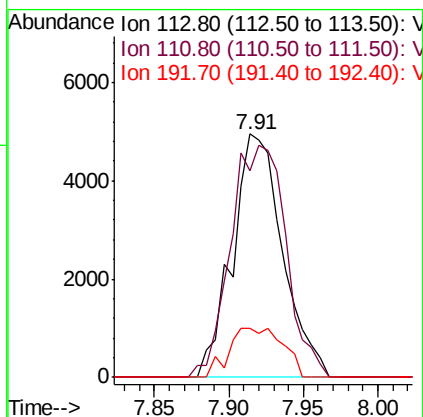
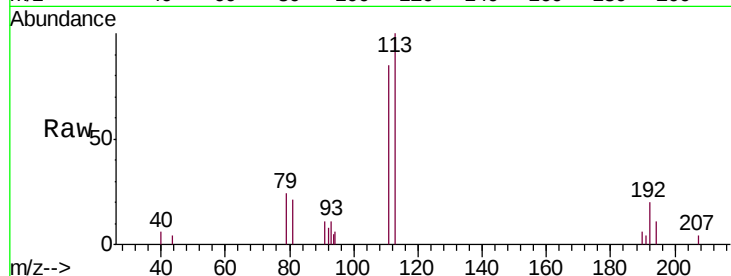




#35
 Dibromofluoromethane
 Concen: 52.259 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067764.D
 Acq: 24 Nov 2020 12:58

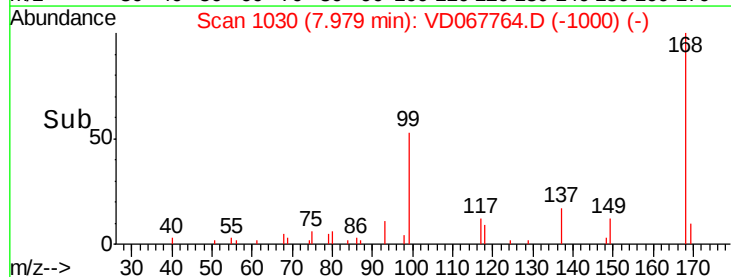
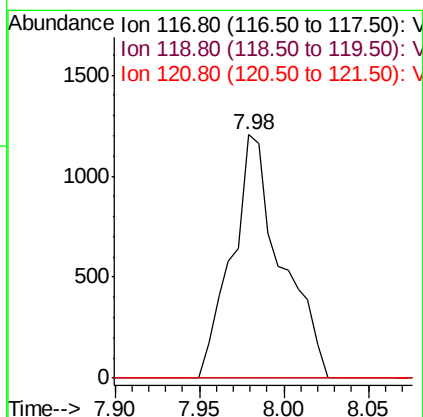
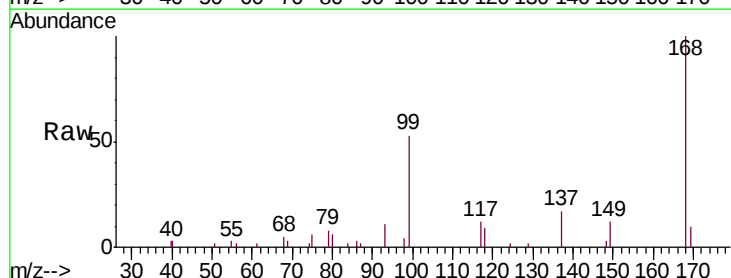
Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-112320

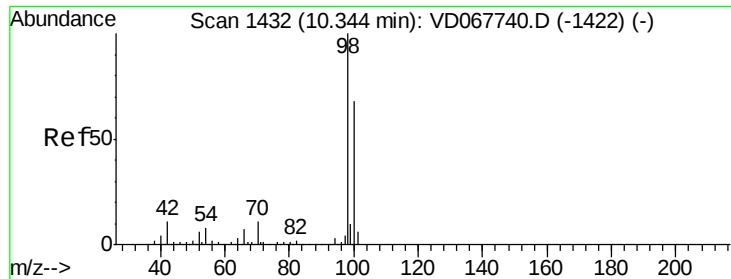
Tgt Ion:113 Resp: 11580
 Ion Ratio Lower Upper
 113 100
 111 104.9 81.4 122.0
 192 21.7 17.0 25.4



#38
 Carbon Tetrachloride
 Concen: 5.685 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067764.D
 Acq: 24 Nov 2020 12:58

Tgt Ion:117 Resp: 2462
 Ion Ratio Lower Upper
 117 100
 119 0.0 76.6 115.0#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 50.316 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067764.D

Acq: 24 Nov 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

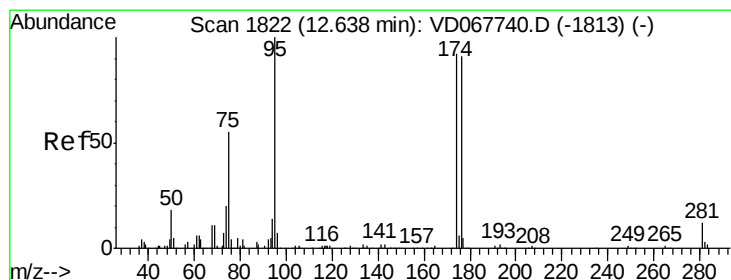
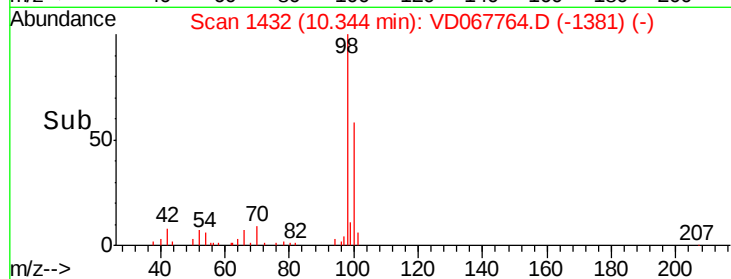
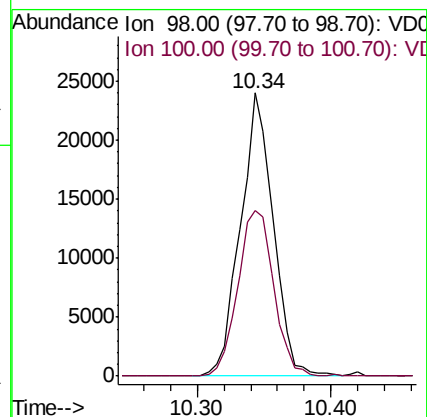
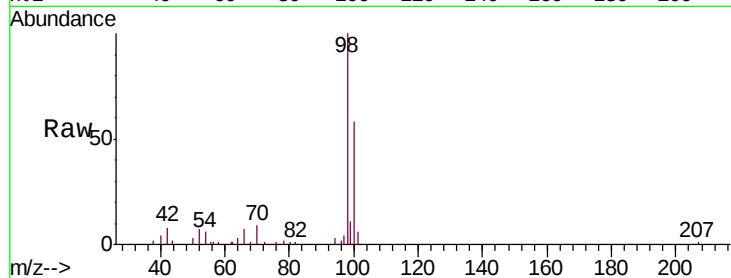
BU-03-112320

Tgt Ion: 98 Resp: 40763

Ion Ratio Lower Upper

98 100

100 64.2 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 60.561 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD067764.D

Acq: 24 Nov 2020 12:58

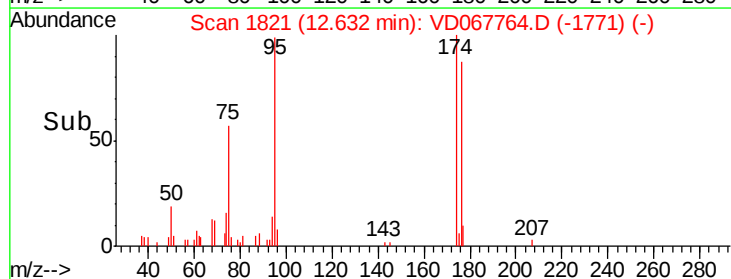
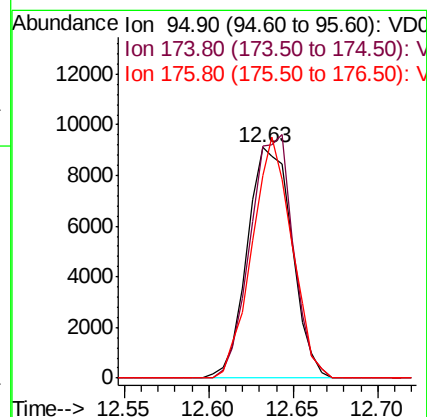
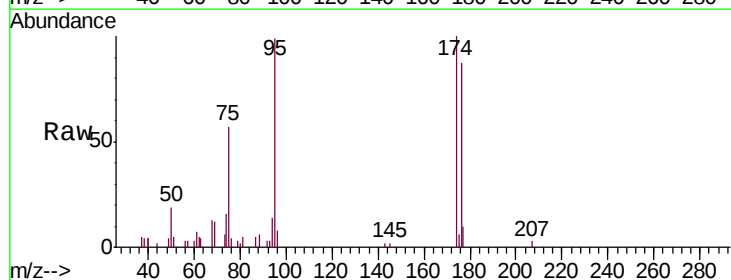
Tgt Ion: 95 Resp: 16770

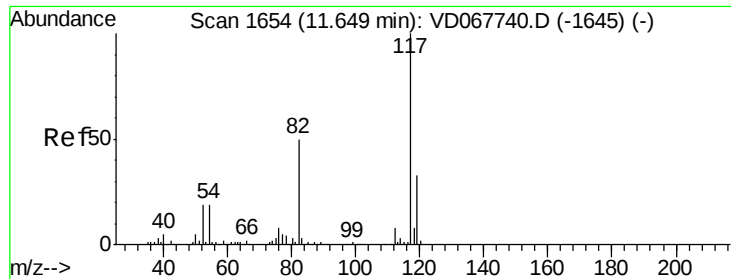
Ion Ratio Lower Upper

95 100

174 101.0 0.0 182.4

176 93.5 0.0 178.2

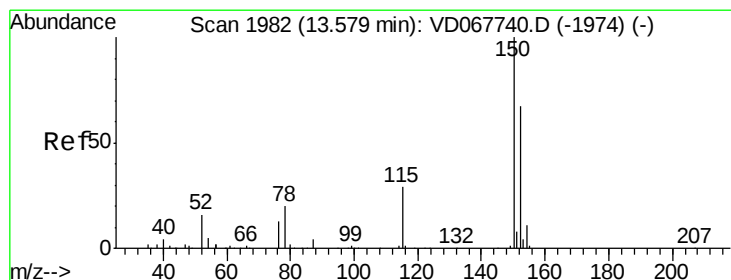
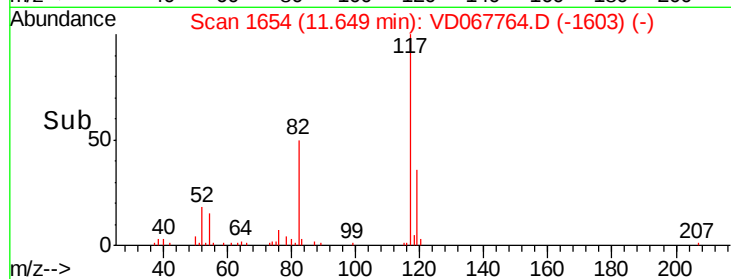
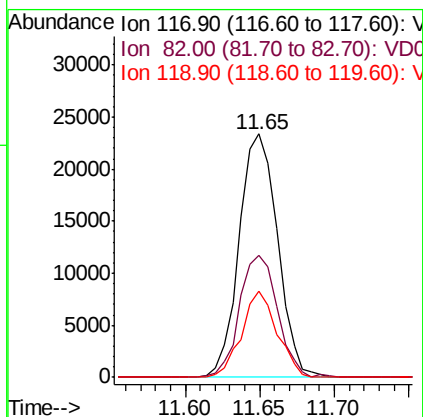
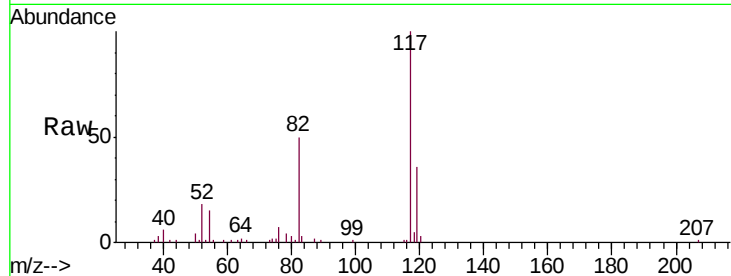




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067764.D
Acq: 24 Nov 2020 12:58

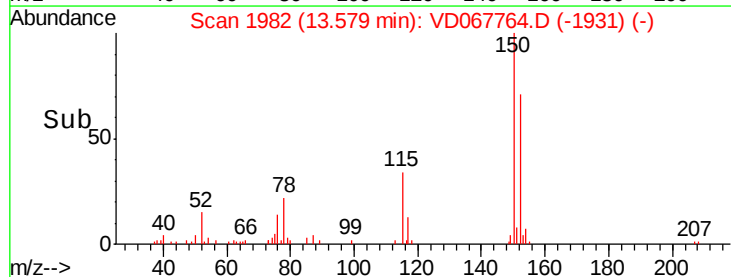
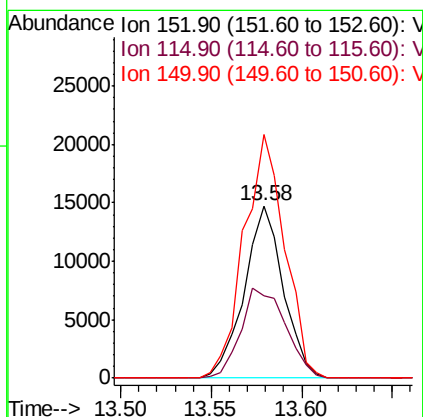
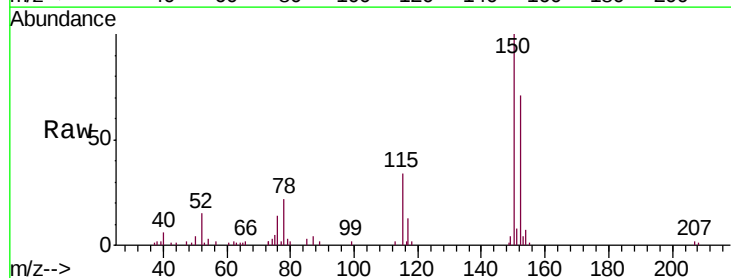
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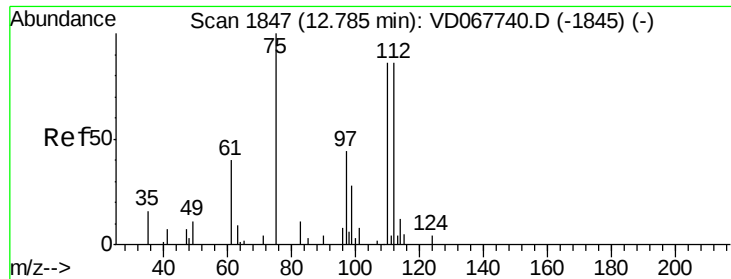
Tgt Ion:117 Resp: 41700
Ion Ratio Lower Upper
117 100
82 50.2 40.2 60.4
119 35.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067764.D
Acq: 24 Nov 2020 12:58

Tgt Ion:152 Resp: 21996
Ion Ratio Lower Upper
152 100
115 59.6 29.4 88.3
150 147.9 0.0 340.6





#76

1,2,3-Trichloropropane

Concen: 56.881 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067764.D

Acq: 24 Nov 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

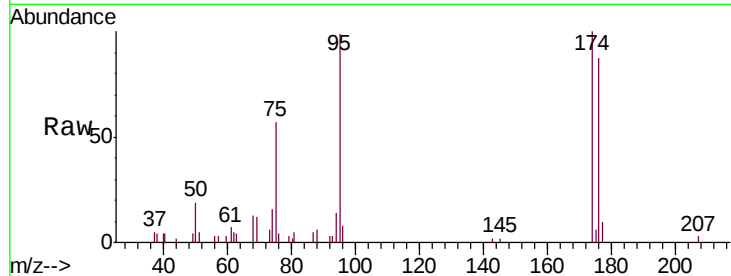
BU-03-112320

Tgt Ion: 75 Resp: 8720

Ion Ratio Lower Upper

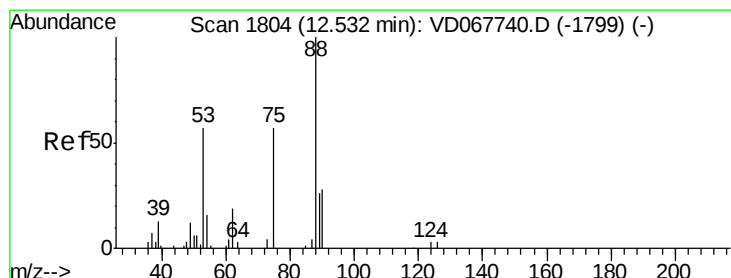
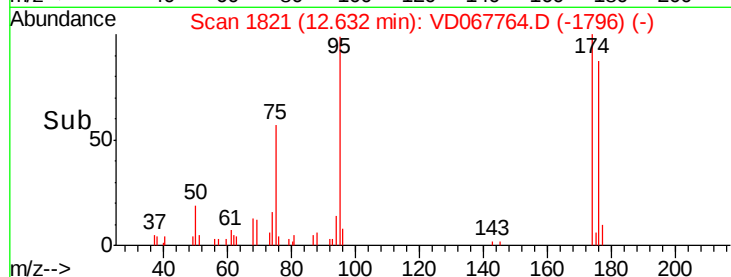
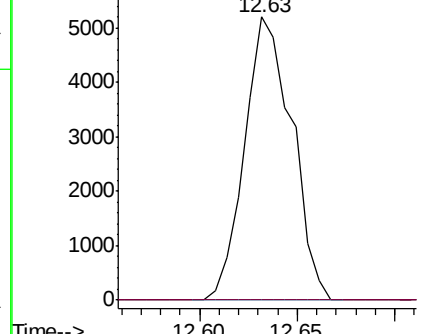
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 133.041 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD067764.D

Acq: 24 Nov 2020 12:58

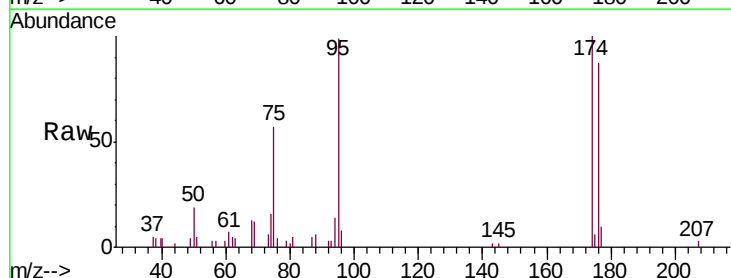
Tgt Ion: 75 Resp: 8720

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

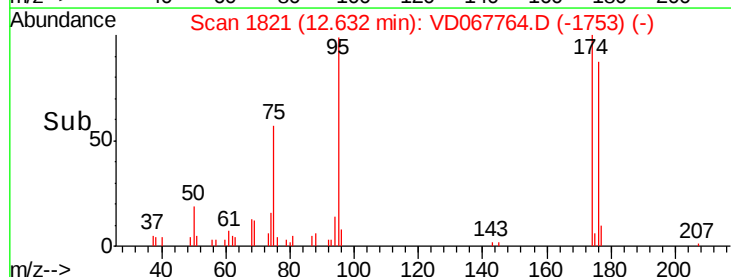
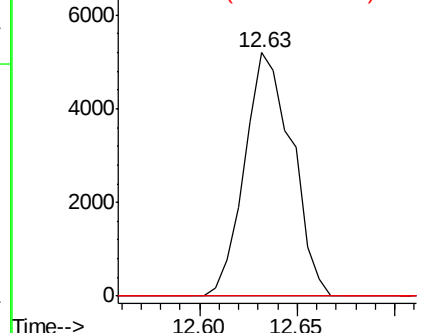
89 0.0 40.2 60.4#

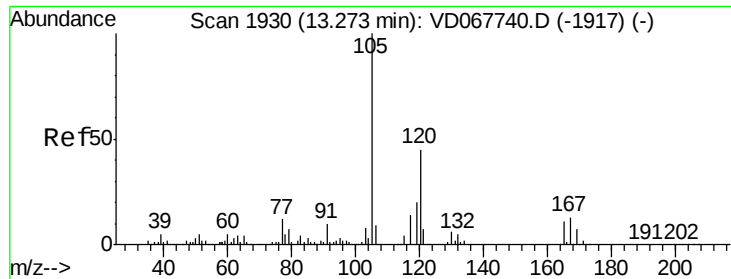


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

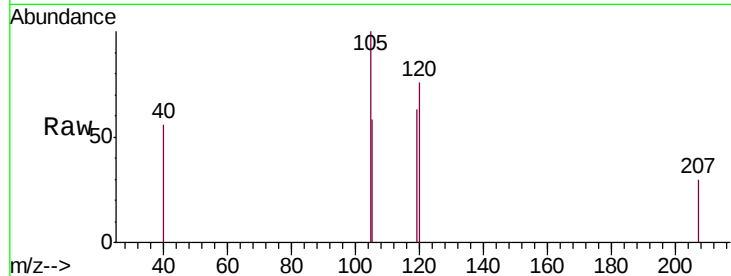




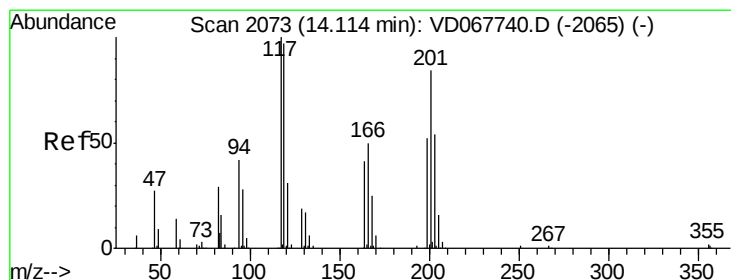
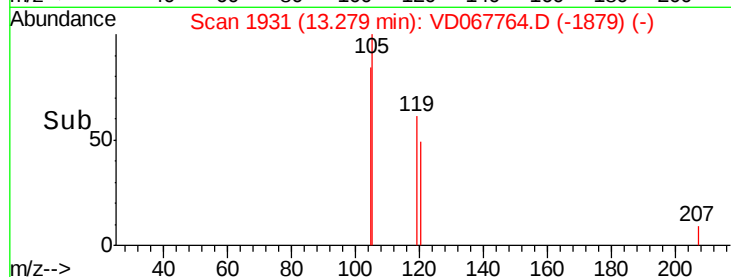
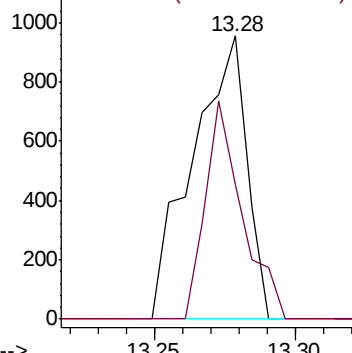
#84
 1,2,4-Trimethylbenzene
 Concen: 1.008 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD067764.D
 Acq: 24 Nov 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-112320

Tgt Ion:105 Resp: 1268
 Ion Ratio Lower Upper
 105 100
 120 52.6 22.6 67.7

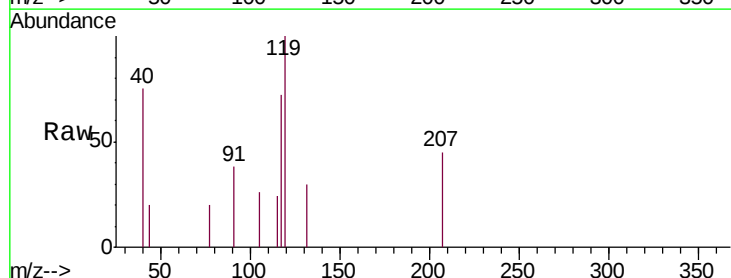


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

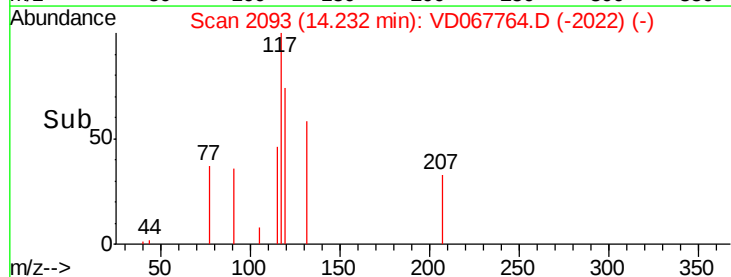
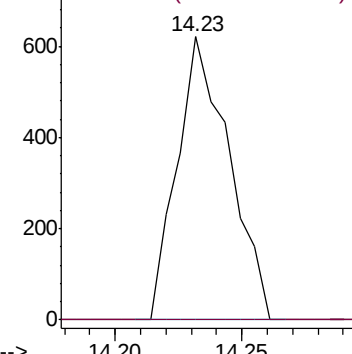


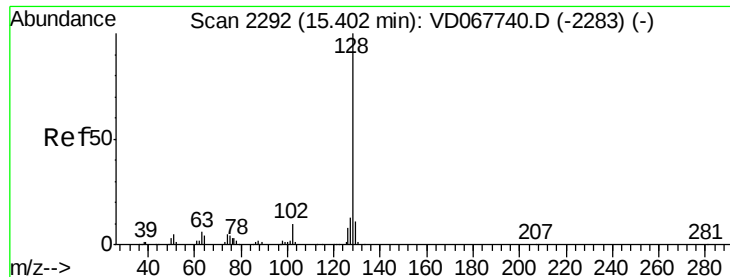
#90
 Hexachloroethane
 Concen: 3.389 ug/l
 RT: 14.23 min Scan# 2093
 Delta R.T. 0.12 min
 Lab File: VD067764.D
 Acq: 24 Nov 2020 12:58

Tgt Ion:117 Resp: 888
 Ion Ratio Lower Upper
 117 100
 201 0.0 42.2 126.6#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 27.346 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD067764.D

Acq: 24 Nov 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

BU-03-112320

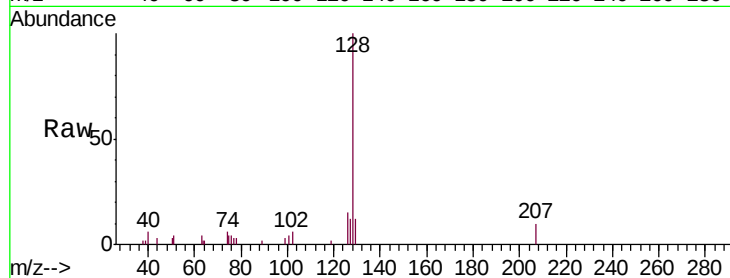
Tgt Ion:128 Resp: 18927

Ion Ratio Lower Upper

128 100

127 14.0 10.7 16.1

129 11.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

