

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112520\
 Data File : VD067797.D
 Acq On : 25 Nov 2020 19:48
 Operator : VA/SY
 Sample : L4857-03RE
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 340EM-STOCKPILE-WESTRE

Quant Time: Nov 26 00:26:51 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	5203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	7864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	7111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	3368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	4640	91.72	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	183.44%#
35) Dibromofluoromethane	7.93	113	2745	54.85	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.70%
50) Toluene-d8	10.34	98	7916	43.26	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	86.52%
62) 4-Bromofluorobenzene	12.63	95	2806	44.87	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.74%

Target Compounds

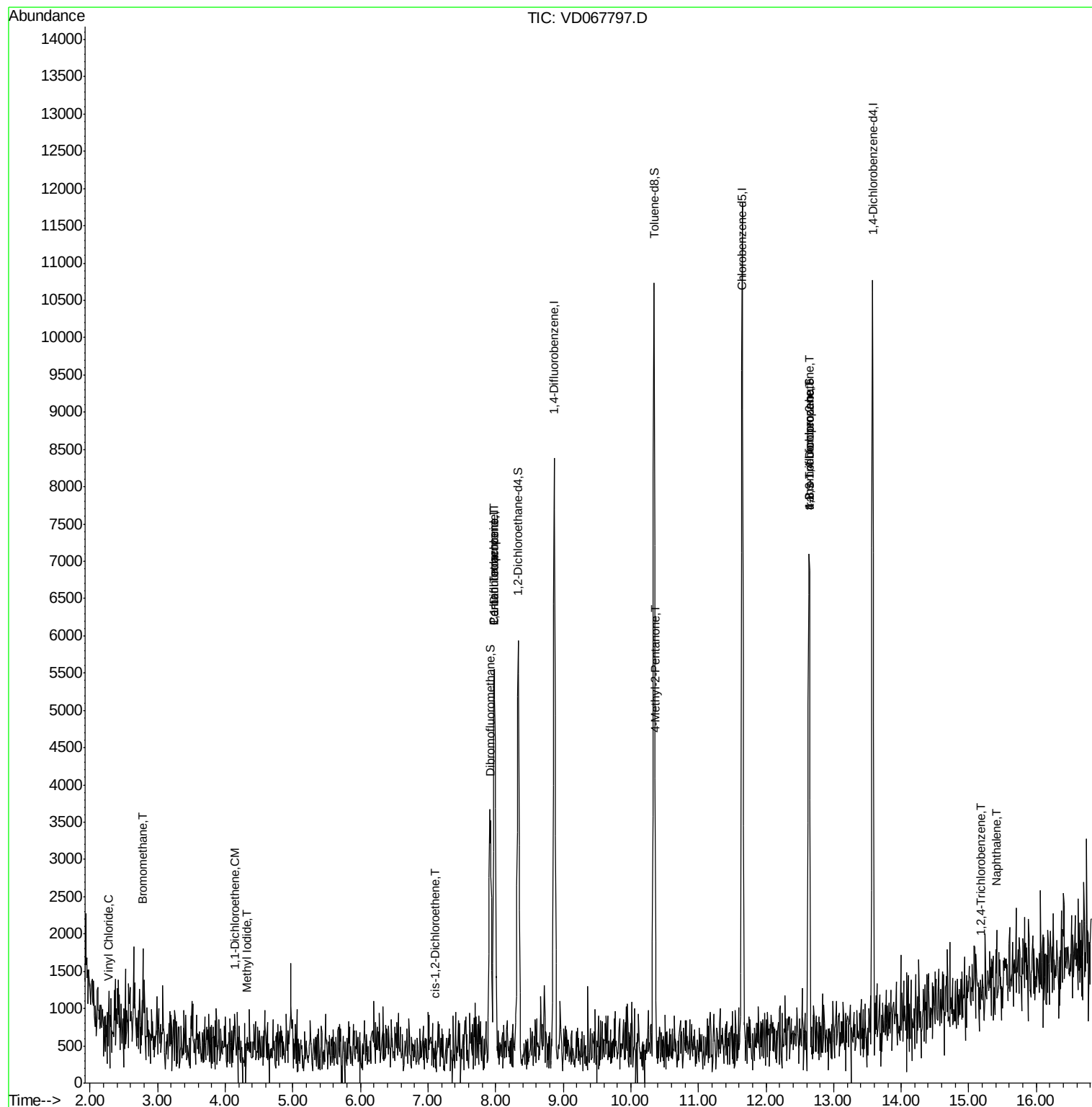
					Qvalue	
4) Vinyl Chloride	2.27	62	70	2.216	ug/l #	41
5) Bromomethane	2.79	94	690	25.640	ug/l #	35
10) Methyl Iodide	4.33	142	71	1.503	ug/l #	60
12) 1,1-Dichloroethene	4.13	96	55	1.288	ug/l #	1
27) cis-1,2-Dichloroethene	7.10	96	59	1.140	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	202	2.993	ug/l #	39
38) Carbon Tetrachloride	7.97	117	390	3.987	ug/l #	12
51) 4-Methyl-2-Pentanone	10.37	43	68	3.988	ug/l #	32
76) 1,2,3-Trichloropropane	12.64	75	1398	59.557	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	1398	139.299	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.17	180	86	1.313	ug/l #	12
95) Naphthalene	15.41	128	196	1.849	ug/l #	69

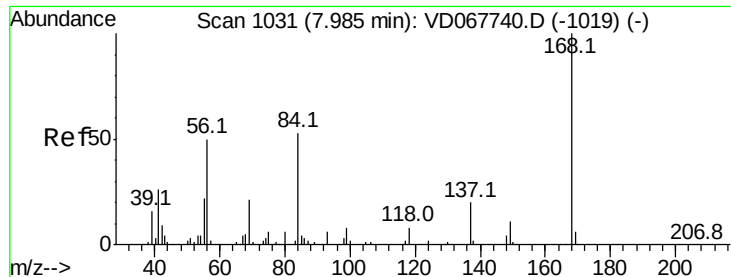
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067797.D

Acq: 25 Nov 2020 19:48

Instrument :

MSVOA_D

ClientSampleId :

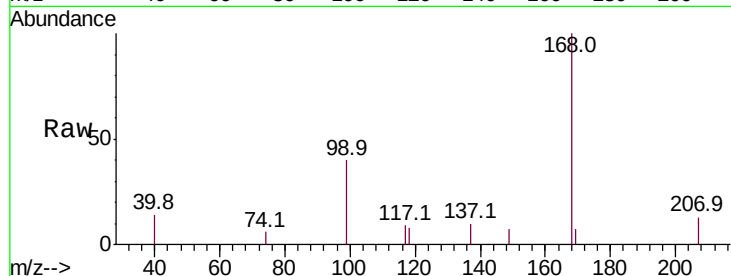
340EM-STOCKPILE-WESTRE

Tot Ion:168 Resp: 5203

Ion Ratio Lower Upper

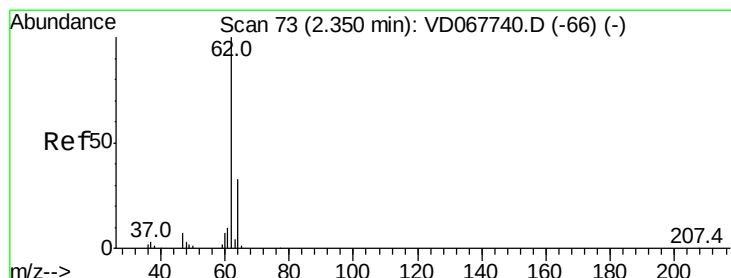
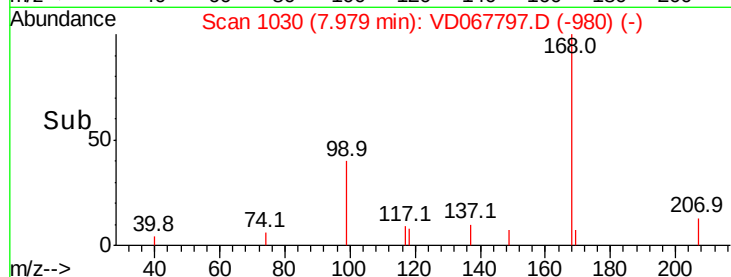
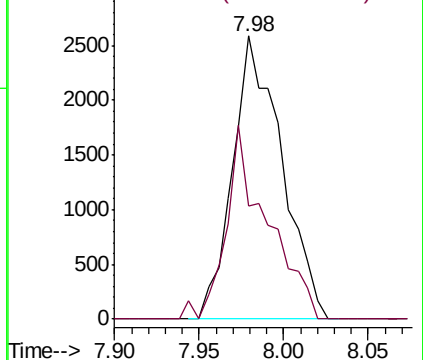
168 100

99 40.0 43.8 65.8#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#4

Vinyl Chloride

Concen: 2.216 ug/l

RT: 2.27 min Scan# 60

Delta R.T. -0.08 min

Lab File: VD067797.D

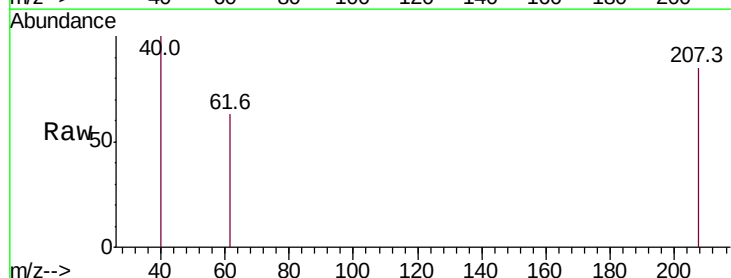
Acq: 25 Nov 2020 19:48

Tgt Ion: 62 Resp: 70

Ion Ratio Lower Upper

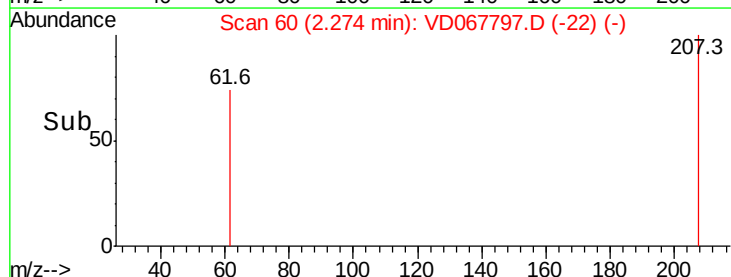
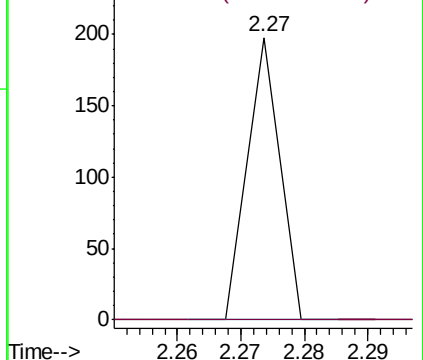
62 100

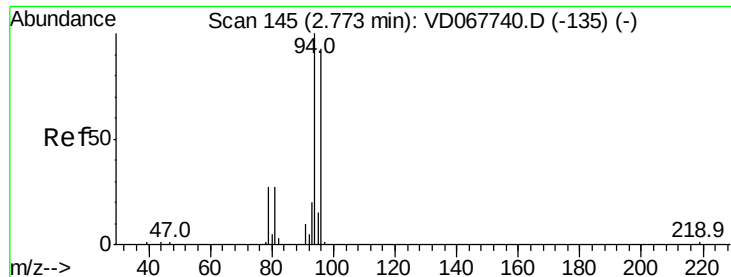
64 0.0 26.6 40.0#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 25.640 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067797.D

Acq: 25 Nov 2020 19:48

Instrument :

MSVOA_D

ClientSampleId :

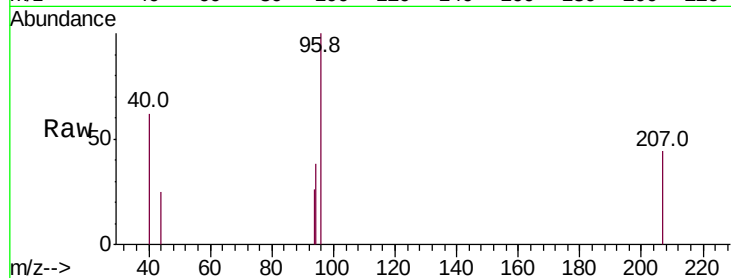
340EM-STOCKPILE-WESTRE

Tot Ion: 94 Resp: 690

Ion Ratio Lower Upper

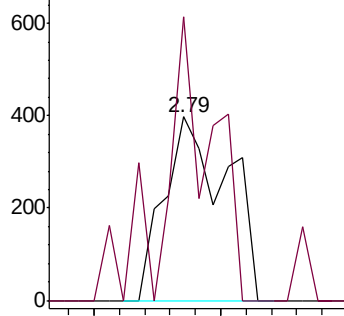
94 100

96 154.4 74.0 111.0#

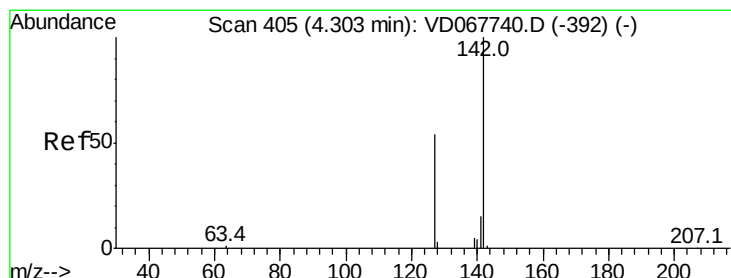
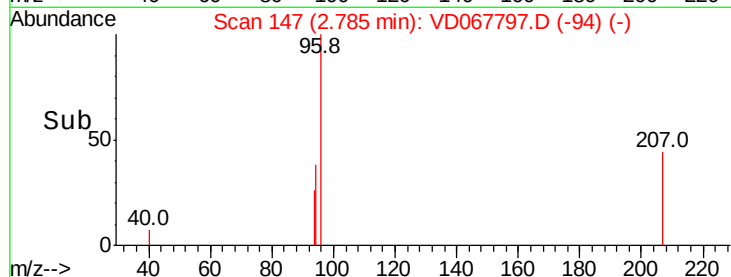


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#10

Methyl Iodide

Concen: 1.503 ug/l

RT: 4.33 min Scan# 409

Delta R.T. 0.02 min

Lab File: VD067797.D

Acq: 25 Nov 2020 19:48

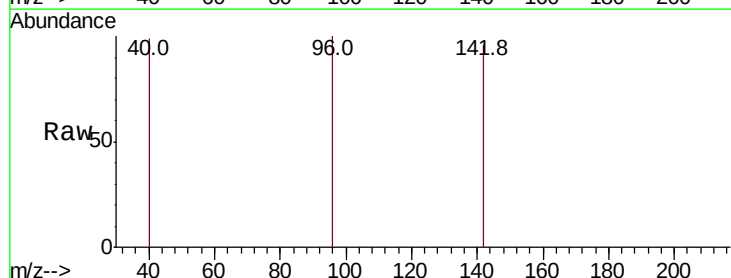
Tgt Ion: 142 Resp: 71

Ion Ratio Lower Upper

142 100

127 81.7 42.2 63.2#

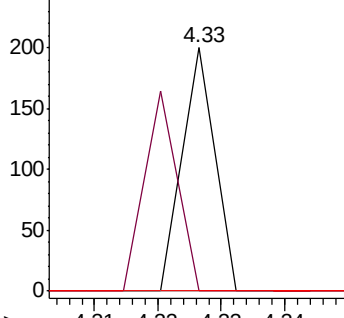
141 0.0 11.8 17.6#



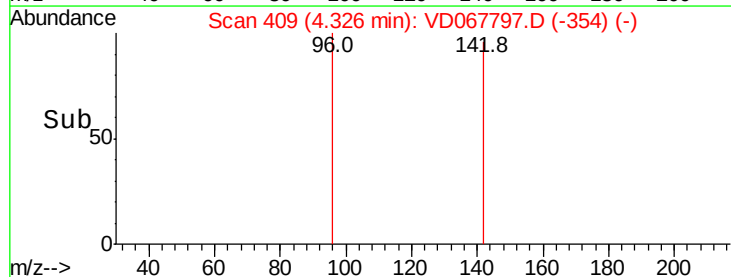
Abundance Ion 141.80 (141.50 to 142.50): V

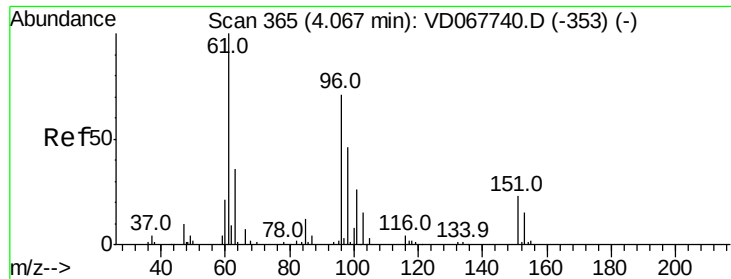
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

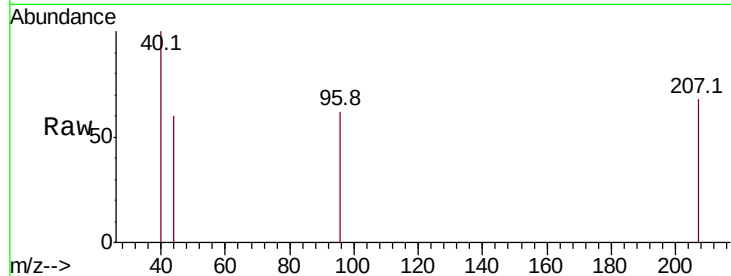




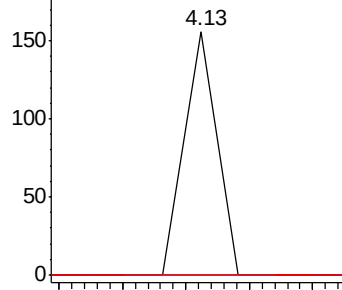
#12
 1,1-Dichloroethene
 Concen: 1.288 ug/l
 RT: 4.13 min Scan# 376
 Delta R.T. 0.06 min
 Lab File: VD067797.D
 Acq: 25 Nov 2020 19:48

Instrument :
 MSVOA_D
 ClientSampleId :
 340EM-STOCKPILE-WESTRE

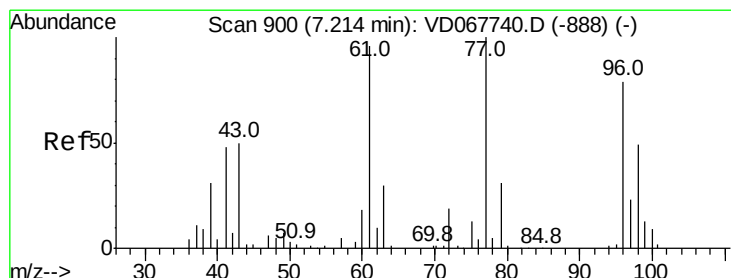
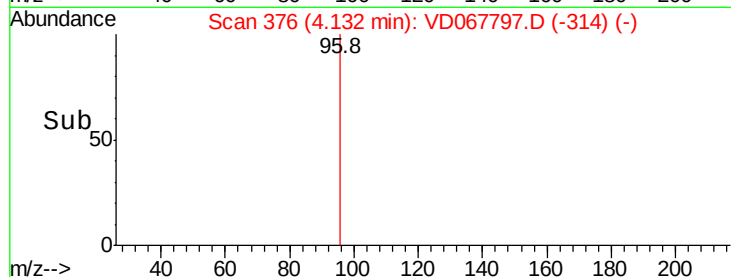
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	112.9	169.3#
98	0.0	52.4	78.6#



Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC

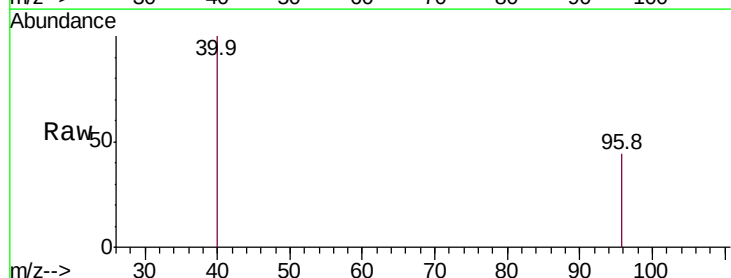


Time--> 4.11 4.12 4.13 4.14 4.15

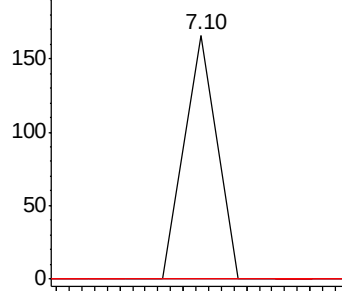


#27
 cis-1,2-Dichloroethene
 Concen: 1.140 ug/l
 RT: 7.10 min Scan# 881
 Delta R.T. -0.11 min
 Lab File: VD067797.D
 Acq: 25 Nov 2020 19:48

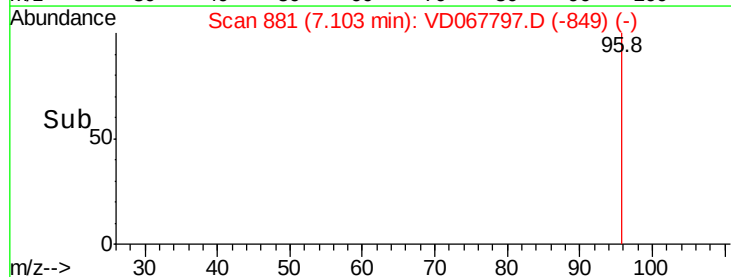
Tgt Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	258.0
98	0.0	0.0	131.8

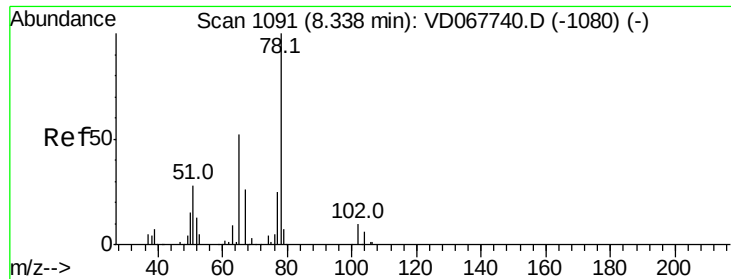


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



Time--> 7.08 7.09 7.10 7.11 7.12





#33

1,2-Dichloroethane-d4

Concen: 91.719 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

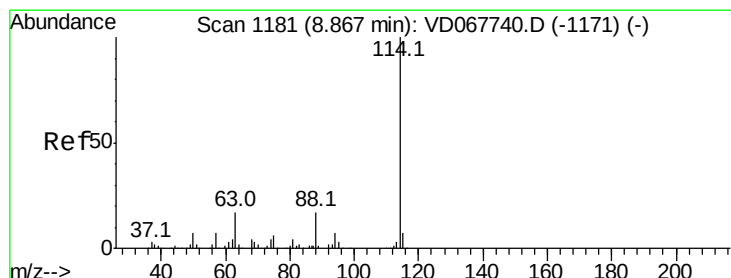
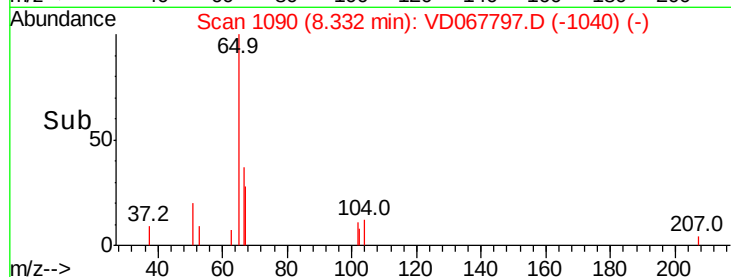
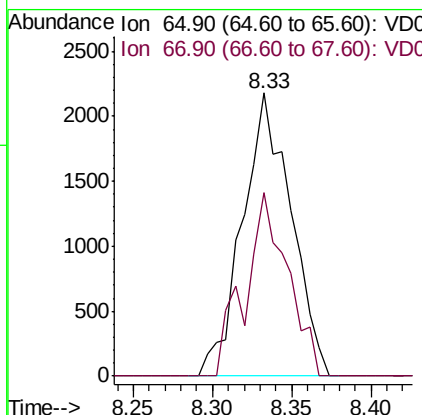
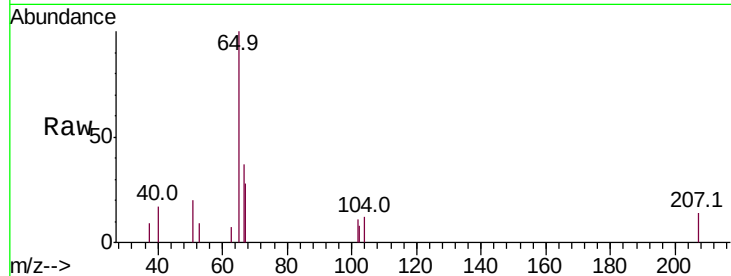
Lab File: VD067797.D

Acq: 25 Nov 2020 19:48

Instrument :
MSVOA_D
ClientSampleId :
340EM-STOCKPILE-WESTRE

Tot Ion: 65 Resp: 4640

Ion	Ratio	Lower	Upper
65	100		
67	56.6	0.0	101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

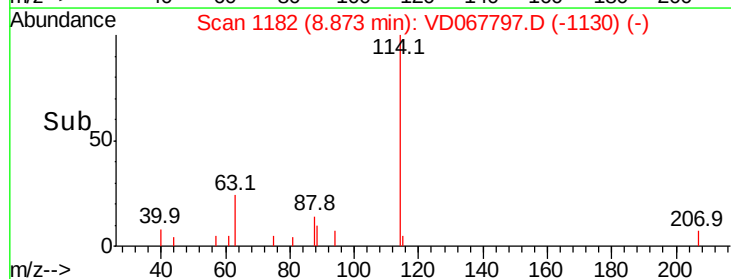
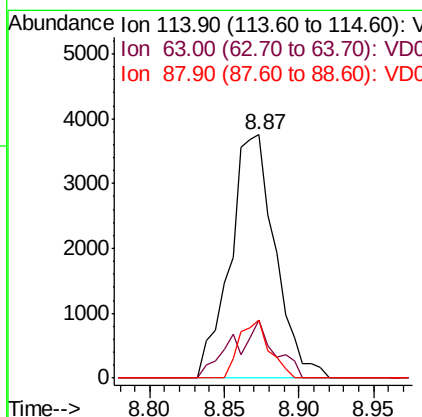
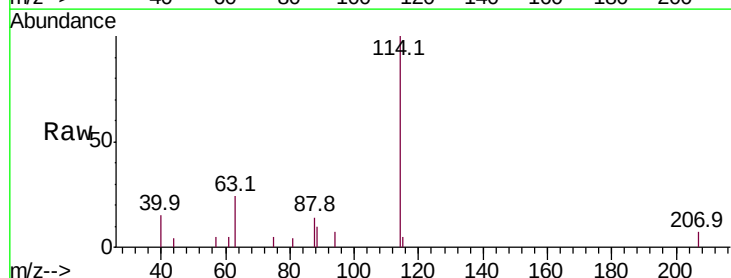
Delta R.T. 0.01 min

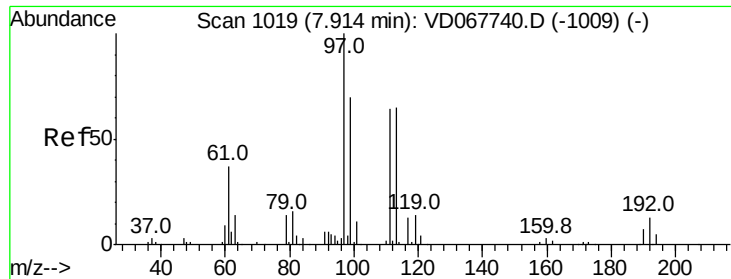
Lab File: VD067797.D

Acq: 25 Nov 2020 19:48

Tgt Ion: 114 Resp: 7864

Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	34.8
88	24.0	0.0	34.4





#35

Dibromofluoromethane

Concen: 54.849 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD067797.D

Acq: 25 Nov 2020 19:48

Instrument :

MSVOA_D

ClientSampleId :

340EM-STOCKPILE-WESTRE

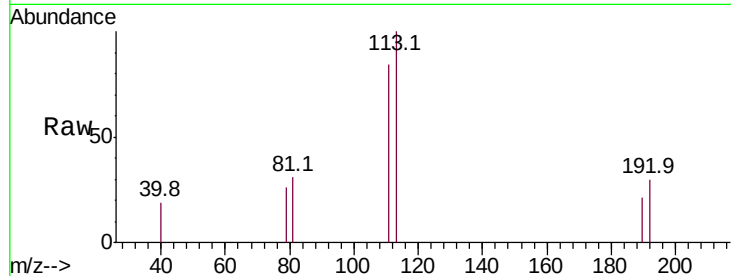
Tot Ion:113 Resp: 2745

Ion Ratio Lower Upper

113 100

111 88.4 81.4 122.0

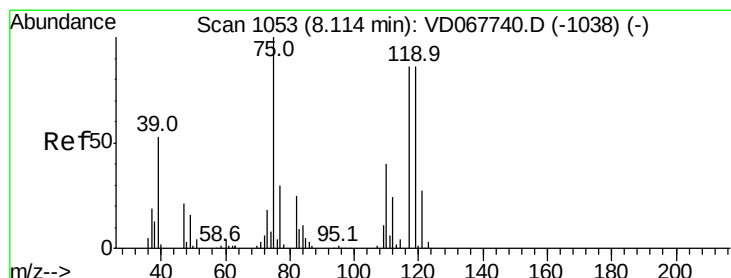
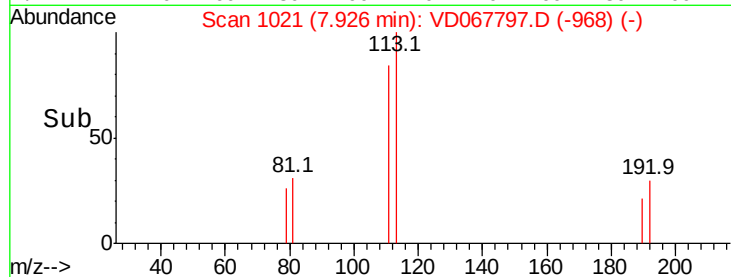
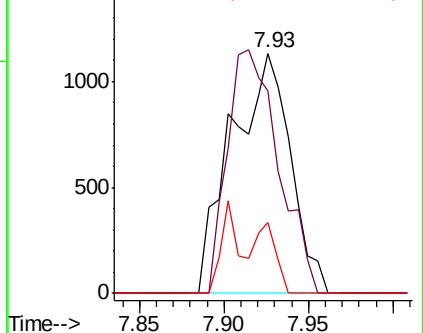
192 10.1 17.0 25.4#



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: 2.993 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067797.D

Acq: 25 Nov 2020 19:48

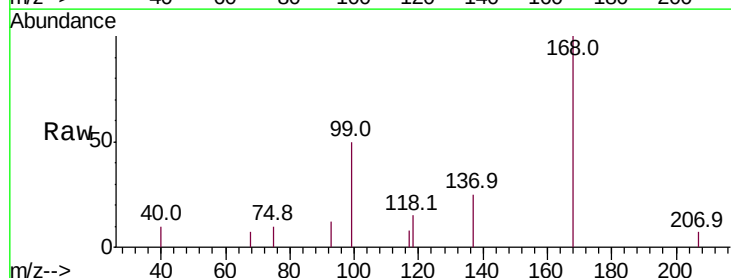
Tgt Ion: 75 Resp: 202

Ion Ratio Lower Upper

75 100

110 0.0 20.1 60.2#

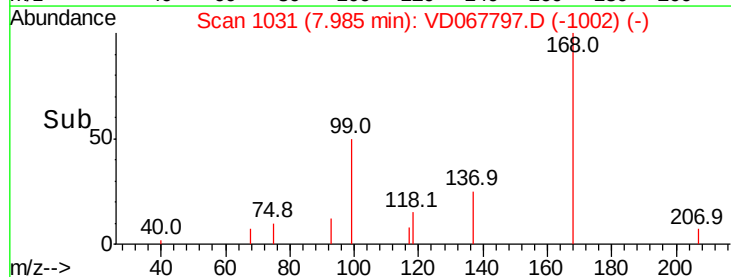
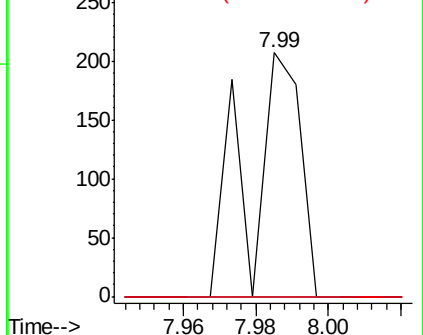
77 0.0 24.8 37.2#

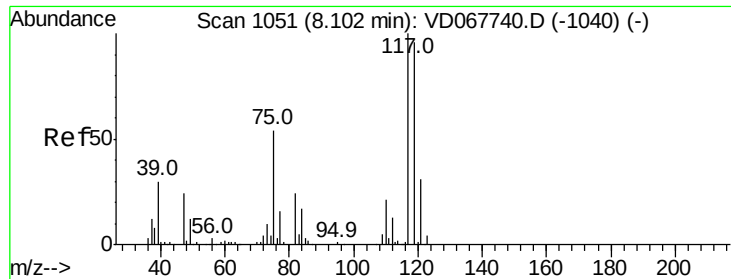


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 3.987 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.13 min

Lab File: VD067797.D

Acq: 25 Nov 2020 19:48

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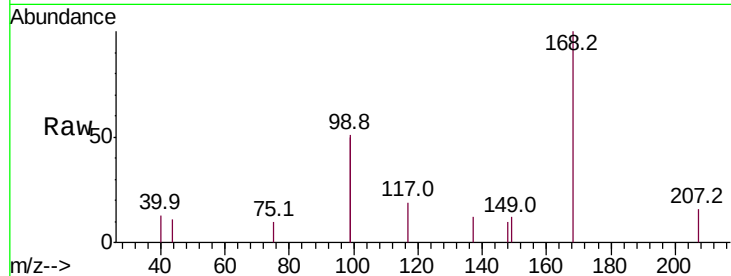
Tot Ion:117 Resp: 390

Ion Ratio Lower Upper

117 100

119 0.0 76.6 115.0#

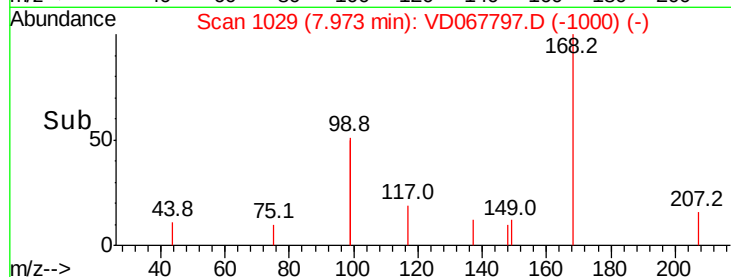
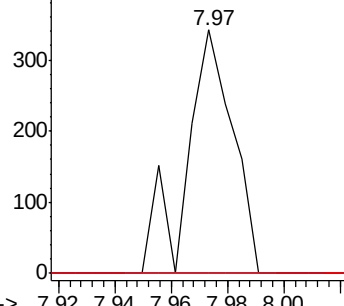
121 0.0 24.5 36.7#



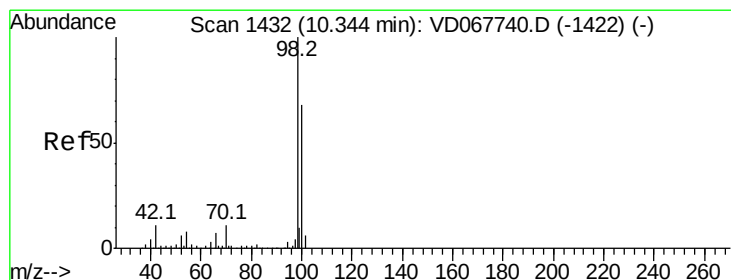
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



Time-->



#50

Toluene-d8

Concen: 43.263 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067797.D

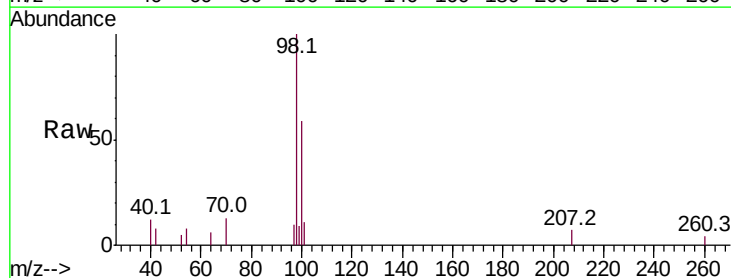
Acq: 25 Nov 2020 19:48

Tgt Ion: 98 Resp: 7916

Ion Ratio Lower Upper

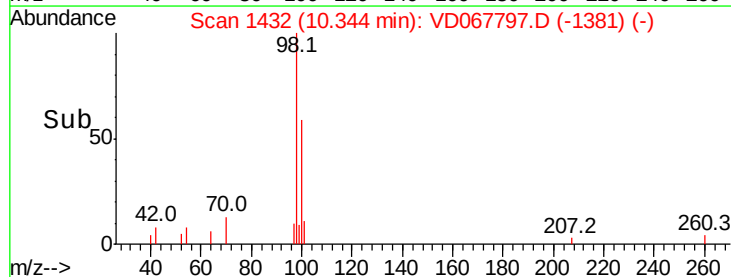
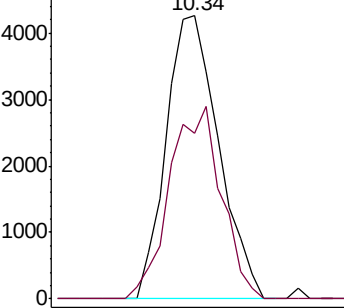
98 100

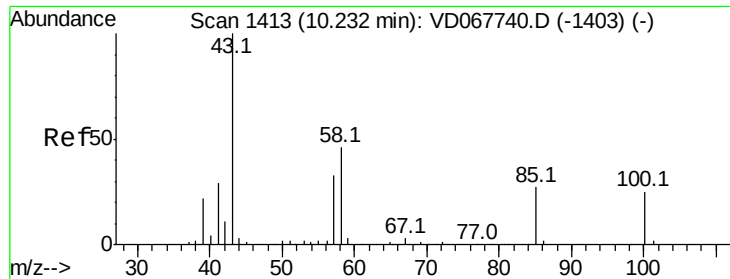
100 67.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 3.988 ug/l

RT: 10.37 min Scan# 1436

Delta R.T. 0.14 min

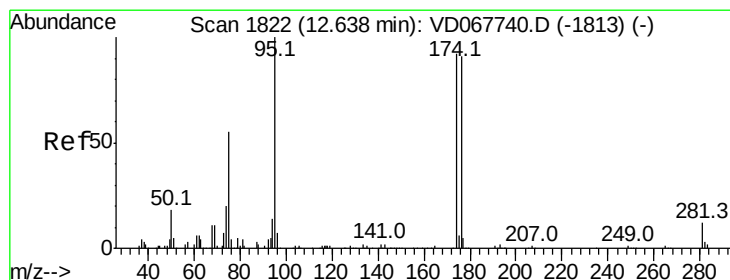
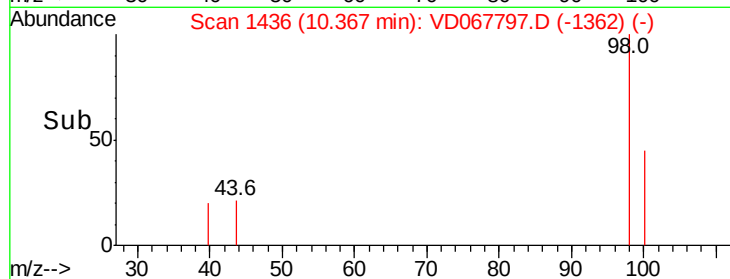
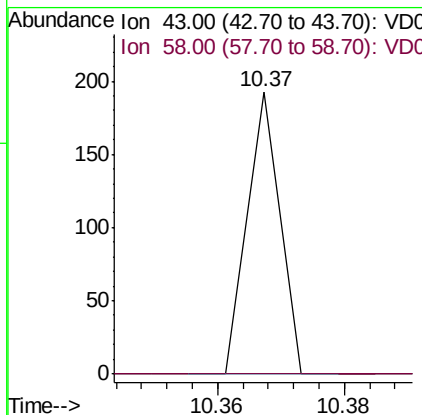
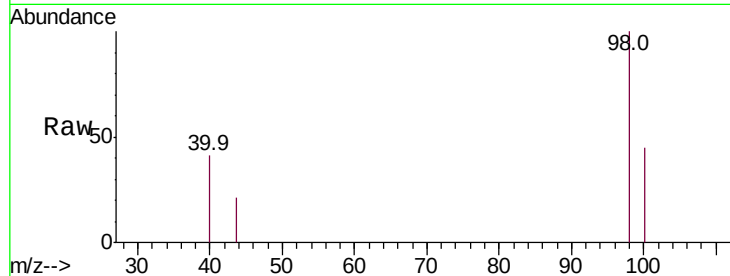
Lab File: VD067797.D

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Tot Ion: 43 Resp: 68

Ion	Ratio	Lower	Upper
43	100		
58	0.0	34.7	52.1#



#62

4-Bromofluorobenzene

Concen: 44.867 ug/l

RT: 12.63 min Scan# 1821

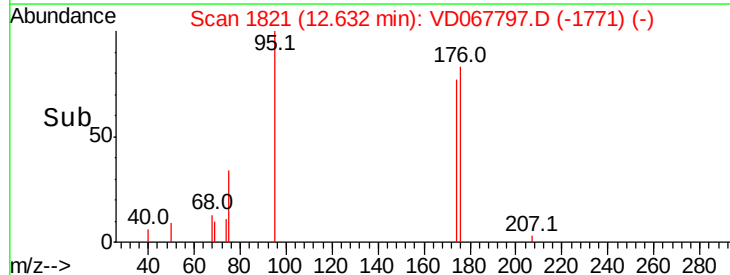
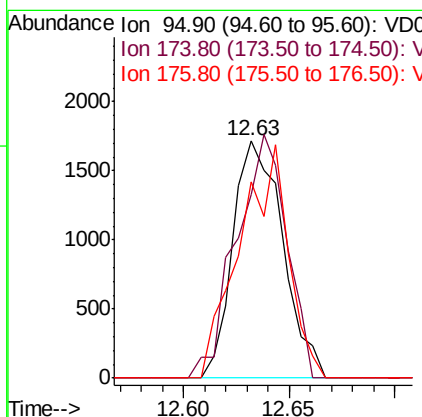
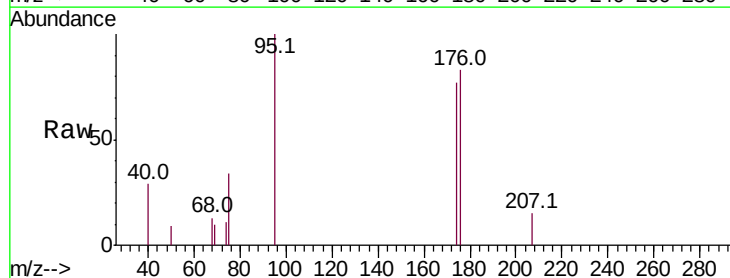
Delta R.T. -0.01 min

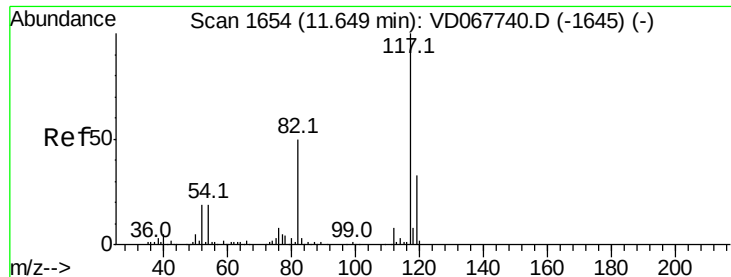
Lab File: VD067797.D

Acq: 25 Nov 2020 19:48

Tgt Ion: 95 Resp: 2806

Ion	Ratio	Lower	Upper
95	100		
174	103.7	0.0	182.4
176	96.6	0.0	178.2

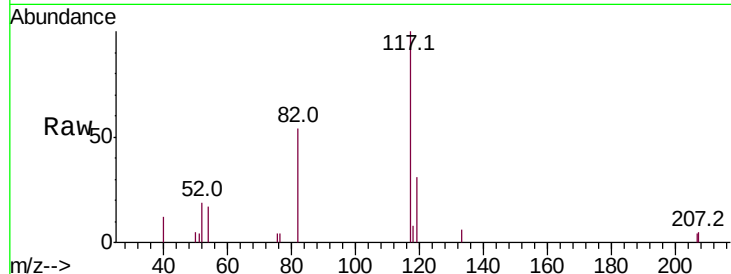




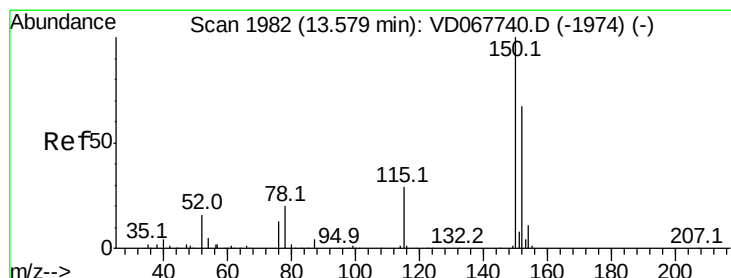
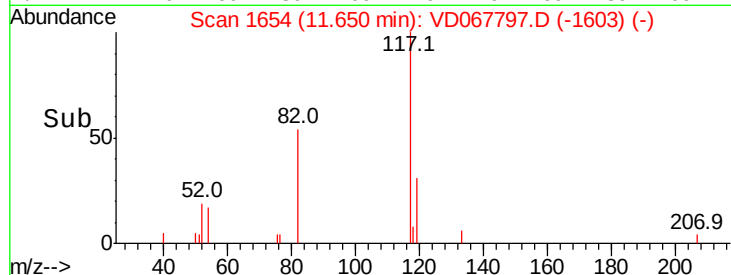
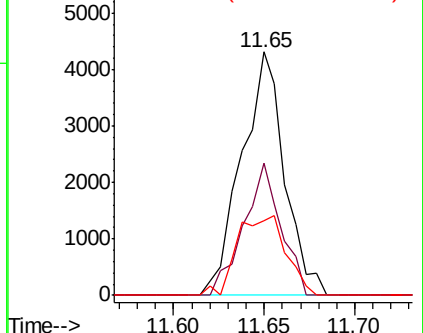
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067797.D
Acq: 25 Nov 2020 19:48

Instrument :
MSVOA_D
ClientSampleId :
340EM-STOCKPILE-WESTRE

Tot Ion:117 Resp: 7111
Ion Ratio Lower Upper
117 100
82 54.2 40.2 60.4
119 30.8 26.5 39.7

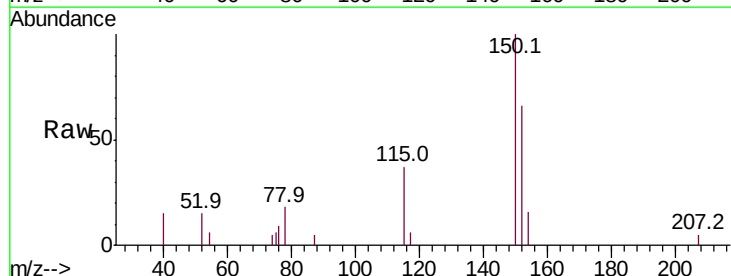


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

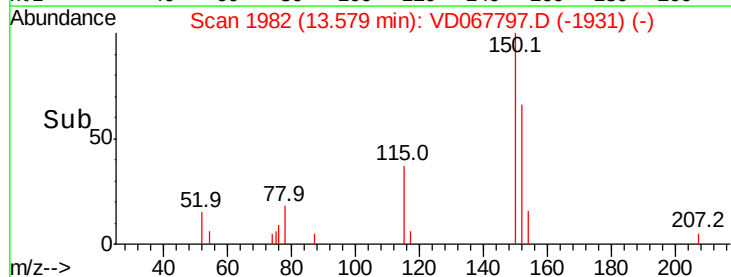
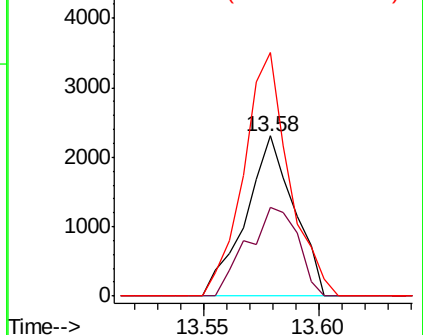


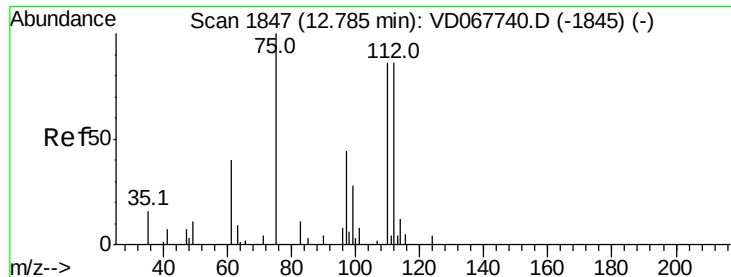
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067797.D
Acq: 25 Nov 2020 19:48

Tgt Ion:152 Resp: 3368
Ion Ratio Lower Upper
152 100
115 57.7 29.4 88.3
150 143.0 0.0 340.6



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: 59.557 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067797.D

Acq: 25 Nov 2020 19:48

Instrument :

MSVOA_D

ClientSampleId :

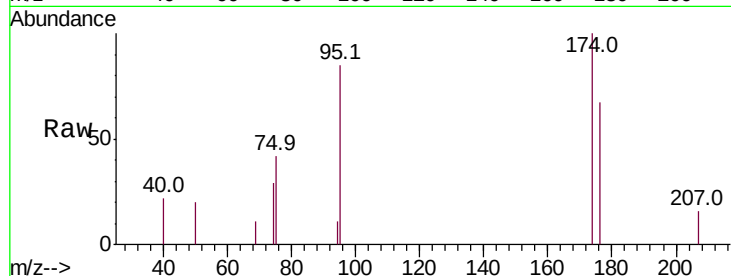
340EM-STOCKPILE-WESTRE

Tot Ion: 75 Resp: 1398

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

12.64

800

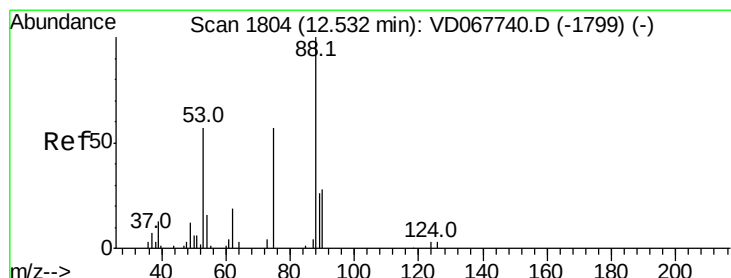
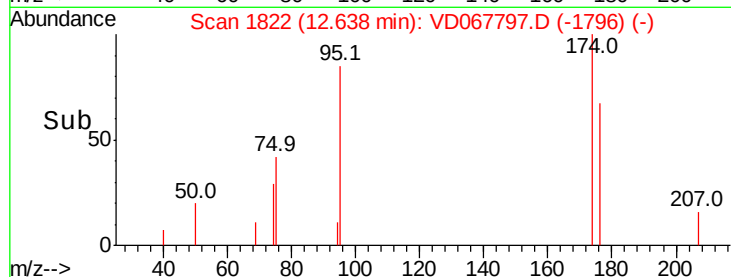
600

400

200

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 139.299 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067797.D

Acq: 25 Nov 2020 19:48

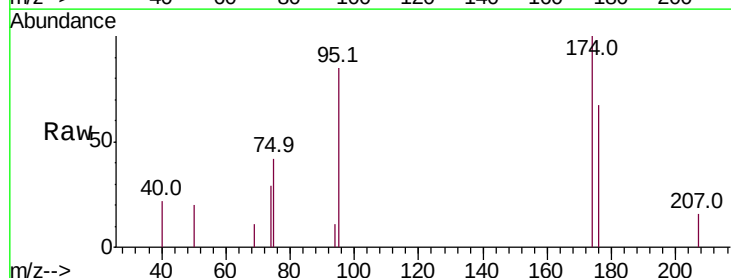
Tgt Ion: 75 Resp: 1398

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

1000

800

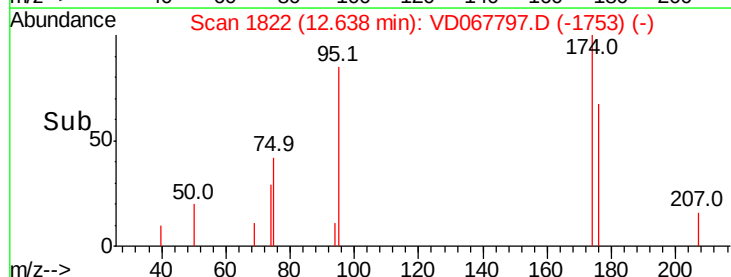
600

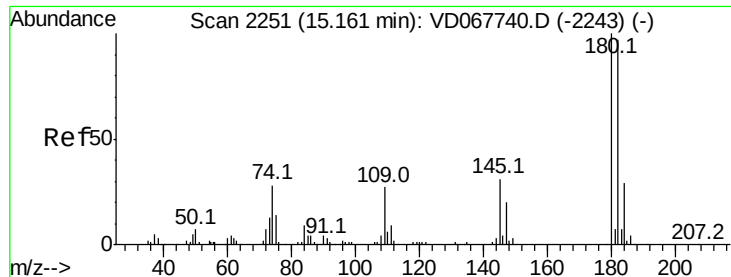
400

200

0

Time-->

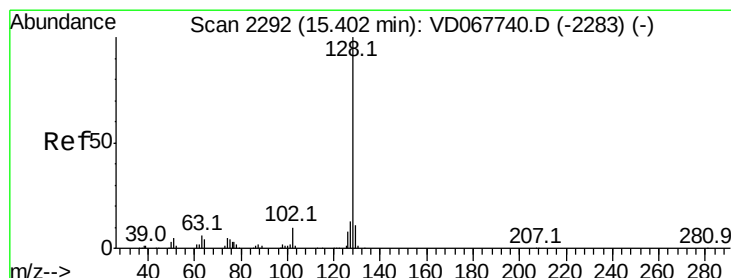
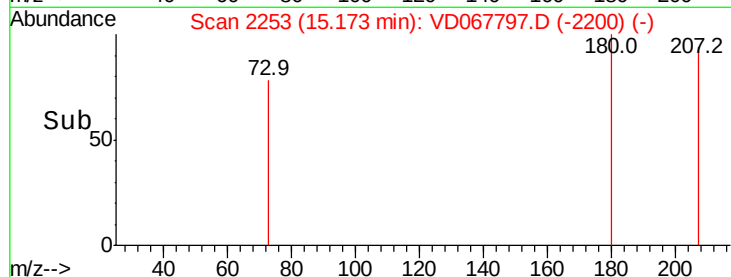
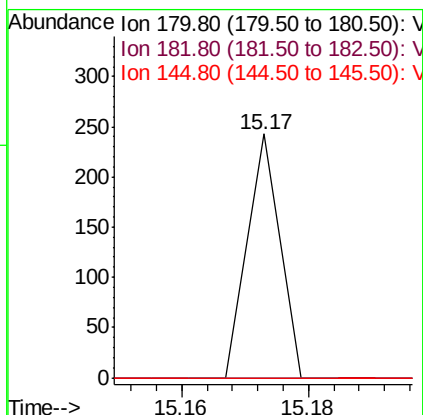
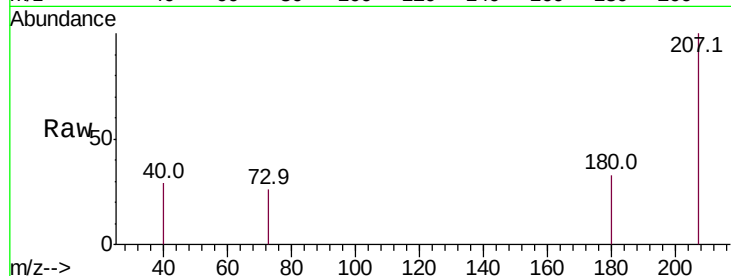




#93
 1,2,4-Trichlorobenzene
 Concen: 1.313 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD067797.D
 Acq: 25 Nov 2020 19:48

Instrument :
 MSVOA_D
 ClientSampleId :
 340EM-STOCKPILE-WESTRE

Tot Ion:180 Resp: 86
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.2#
 145 0.0 16.1 48.3#



#95
 Naphthalene
 Concen: 1.849 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: VD067797.D
 Acq: 25 Nov 2020 19:48

Tgt Ion:128 Resp: 196
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.6 12.8#

