

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112420\
 Data File : VD067770.D
 Acq On : 24 Nov 2020 16:17
 Operator : VA/SY
 Sample : L4857-02
 Misc : 5.15G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 340EM-STOCKPILE-EAST

Quant Time: Nov 25 02:05:20 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	684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	944	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.57	152	202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	54	8.12	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	16.24%#
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.00%#
50) Toluene-d8	10.34	98	1232	45.14	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.28%
62) 4-Bromofluorobenzene	12.65	95	354	37.95	ug/l	0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	=	75.90%

Target Compounds

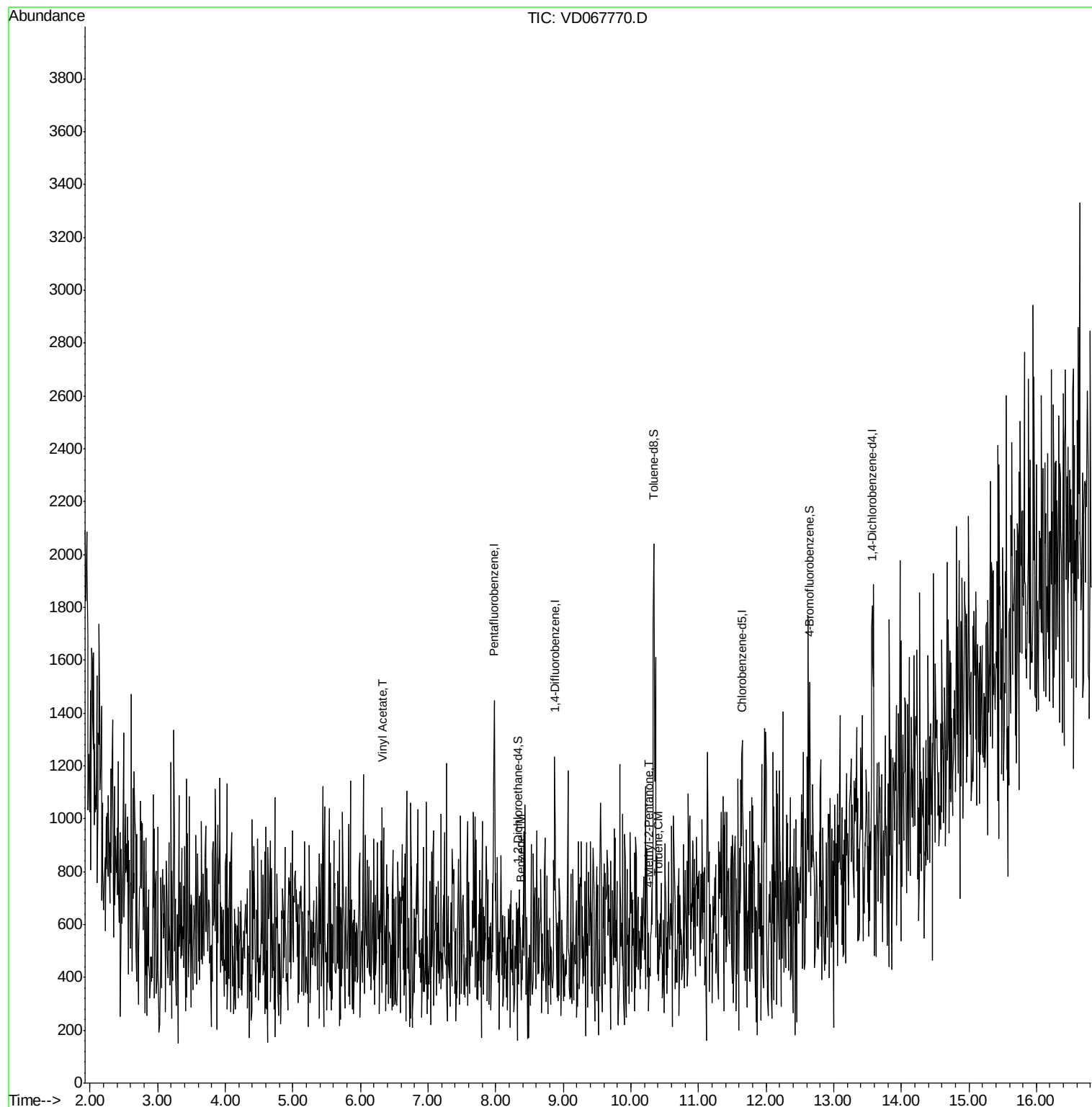
					Qvalue	
23) Vinyl Acetate	6.32	43	62	10.259	ug/l #	65
40) Benzene	8.37	78	71	2.568	ug/l #	54
51) 4-Methyl-2-Pentanone	10.26	43	59	23.197	ug/l #	32
52) Toluene	10.41	92	54	2.879	ug/l #	1

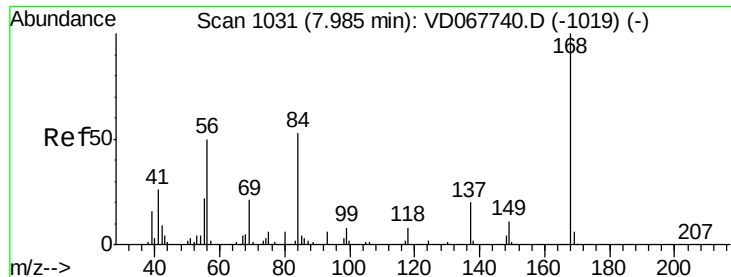
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067770.D

Acq: 24 Nov 2020 16:17

Instrument :

MSVOA_D

ClientSampleId :

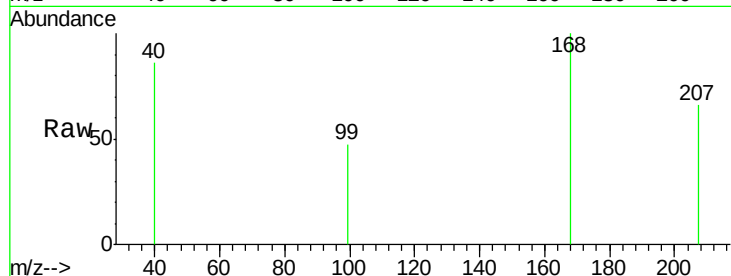
340EM-STOCKPILE-EAST

Tot Ion:168 Resp: 684

Ion Ratio Lower Upper

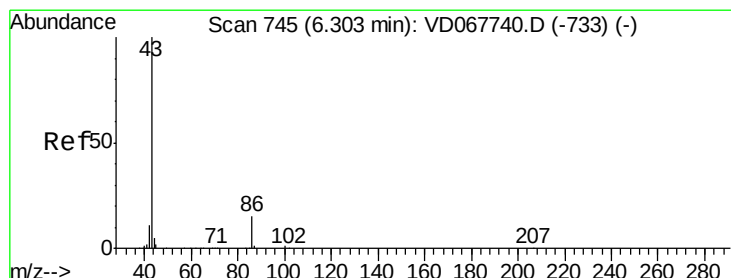
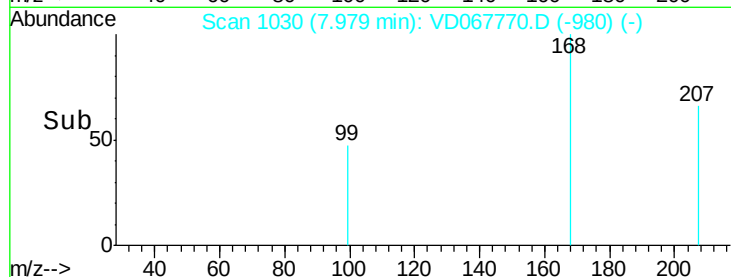
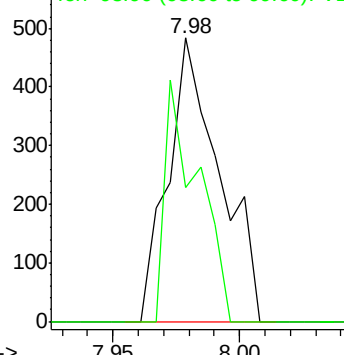
168 100

99 47.4 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#23

Vinyl Acetate

Concen: 10.259 ug/l

RT: 6.32 min Scan# 748

Delta R.T. 0.02 min

Lab File: VD067770.D

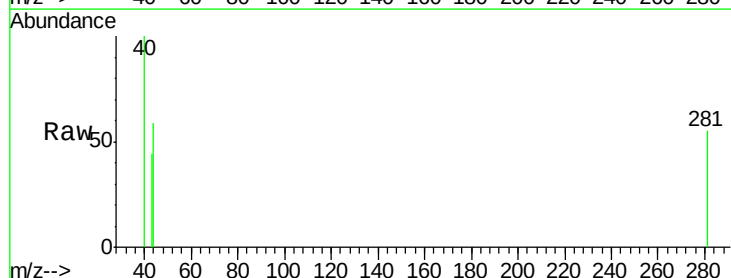
Acq: 24 Nov 2020 16:17

Tgt Ion: 43 Resp: 62

Ion Ratio Lower Upper

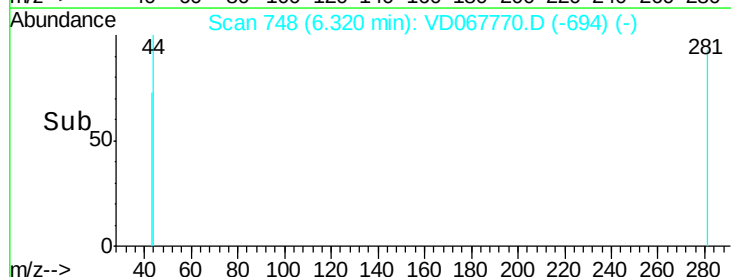
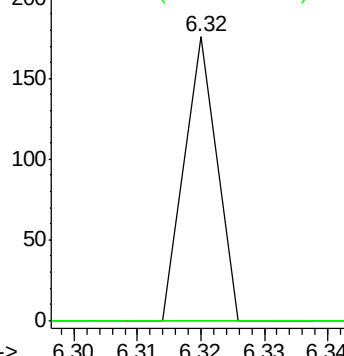
43 100

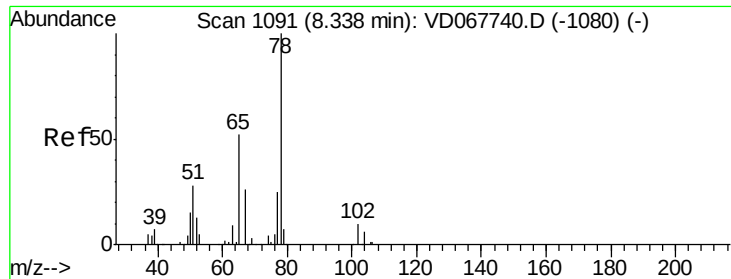
86 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

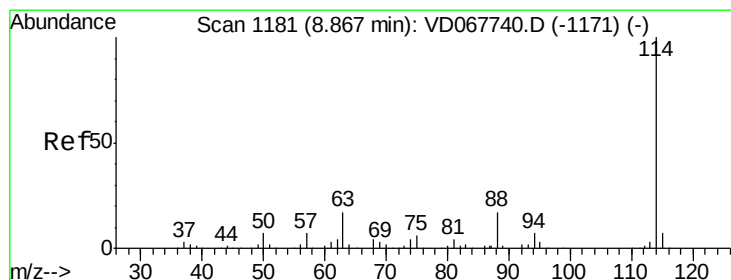
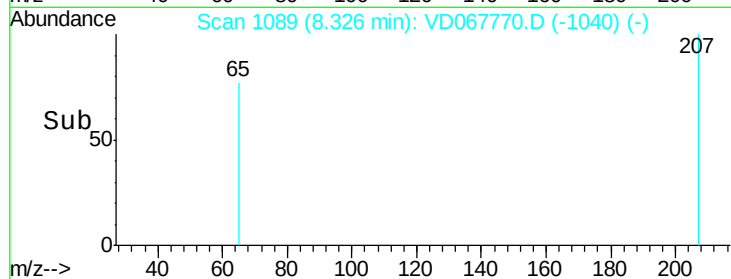
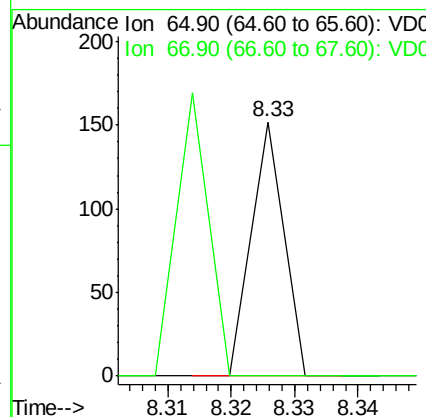
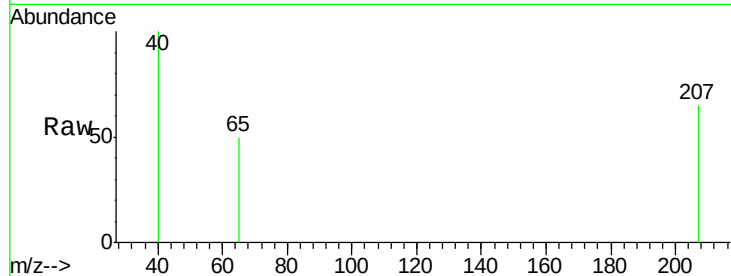




#33
 1,2-Dichloroethane-d4
 Concen: 8.120 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD067770.D
 Acq: 24 Nov 2020 16:17

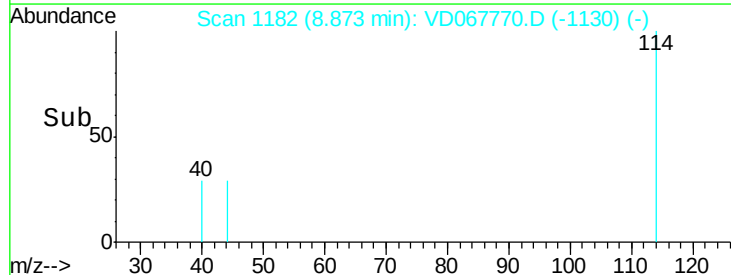
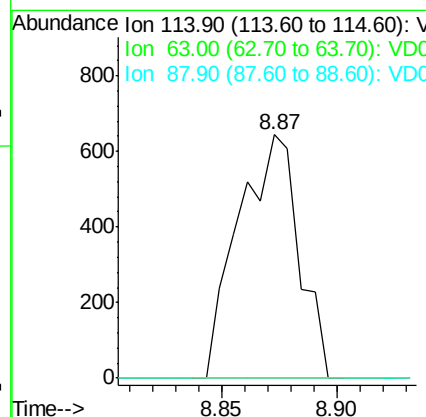
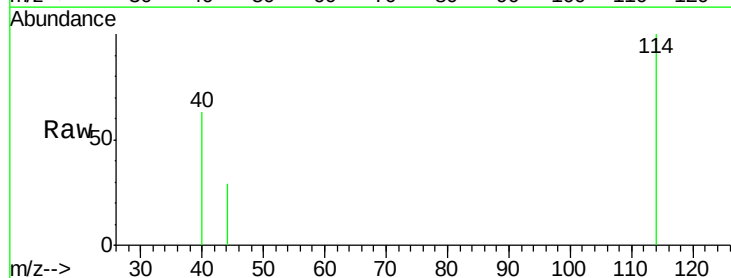
Instrument :
 MSVOA_D
 ClientSampleId :
 340EM-STOCKPILE-EAST

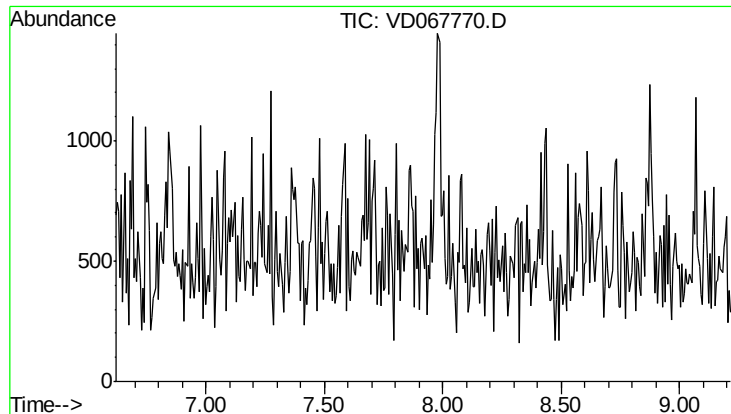
Tot Ion: 65 Resp: 54
 Ion Ratio Lower Upper
 65 100
 67 111.1 0.0 101.0#



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD067770.D
 Acq: 24 Nov 2020 16:17

Tgt Ion: 114 Resp: 1173
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 34.8
 88 0.0 0.0 34.4

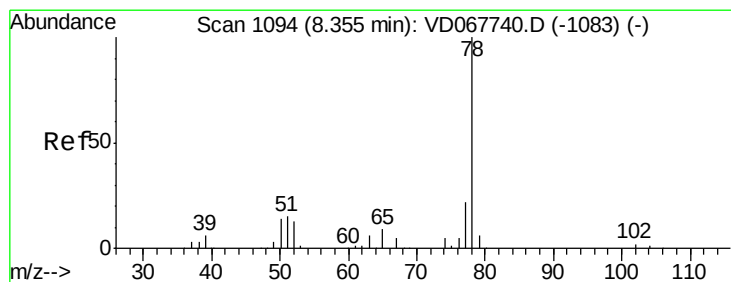
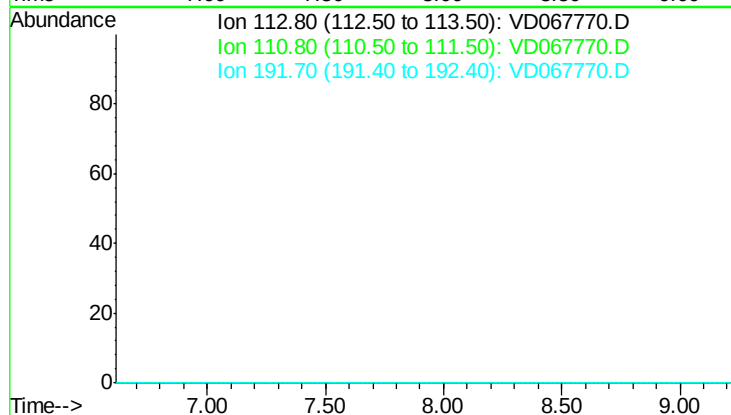




#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.91 min
 Lab File: VD067770.D
 Acq: 24 Nov 2020 16:17

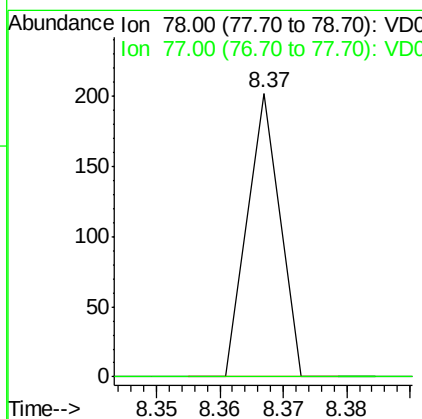
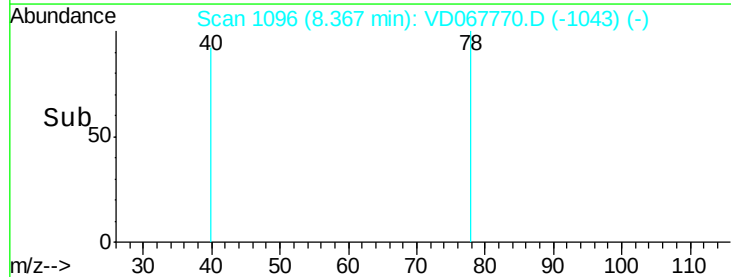
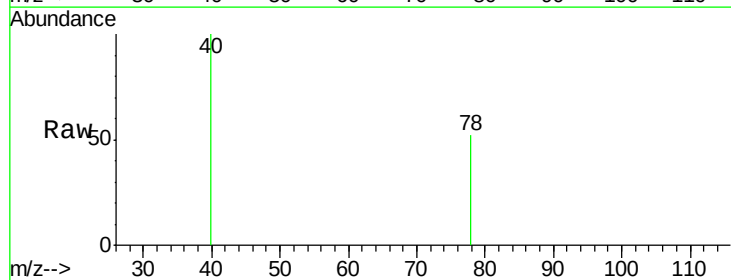
Instrument :
 MSVOA_D
 ClientSampleId :
 340EM-STOCKPILE-EAST

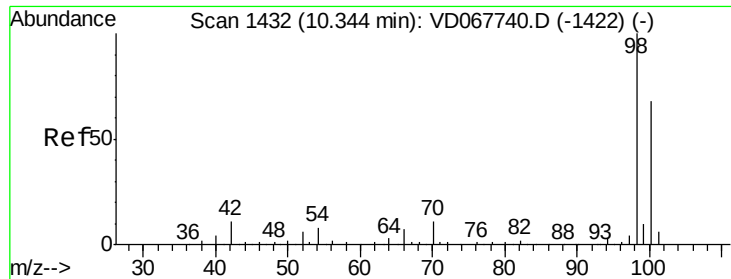
Tot Ion: 113
 Sig Exp Ratio
 113 100
 111 101.7
 192 21.2



#40
 Benzene
 Concen: 2.568 ug/l
 RT: 8.37 min Scan# 1096
 Delta R.T. 0.01 min
 Lab File: VD067770.D
 Acq: 24 Nov 2020 16:17

Tgt Ion: 78 Resp: 71
 Ion Ratio Lower Upper
 78 100
 77 0.0 17.8 26.6#





#50

Toluene-d8

Concen: 45.141 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD067770.D

Acq: 24 Nov 2020 16:17

Instrument :

MSVOA_D

ClientSampleId :

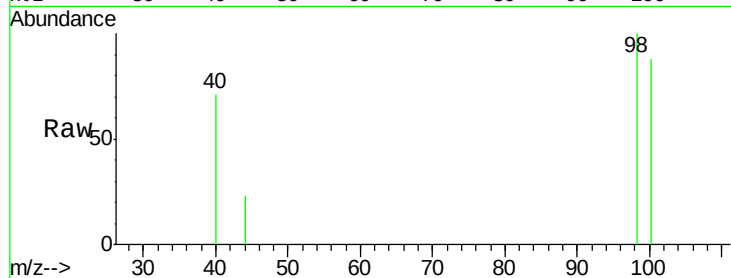
340EM-STOCKPILE-EAST

Tot Ion: 98 Resp: 1232

Ion Ratio Lower Upper

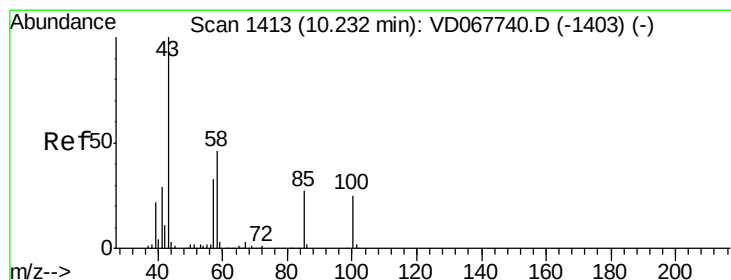
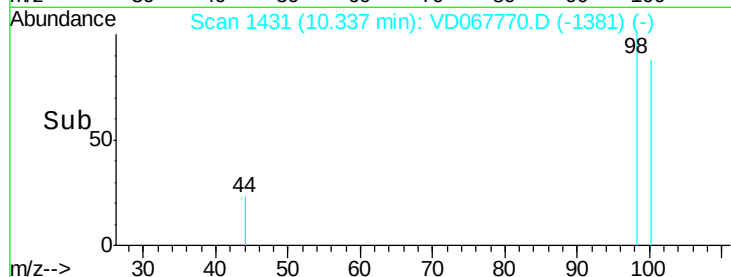
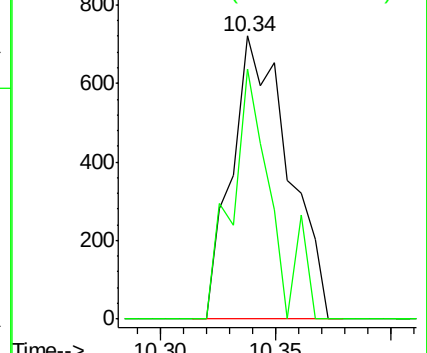
98 100

100 61.8 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: 23.197 ug/l

RT: 10.26 min Scan# 1417

Delta R.T. 0.02 min

Lab File: VD067770.D

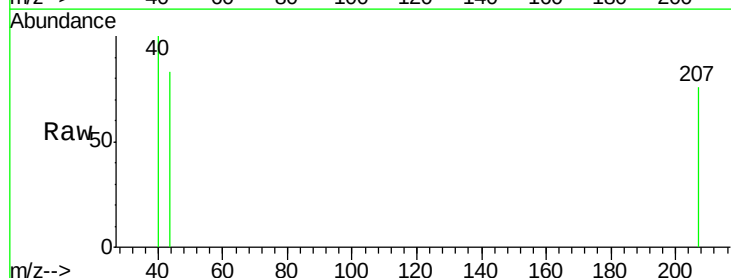
Acq: 24 Nov 2020 16:17

Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

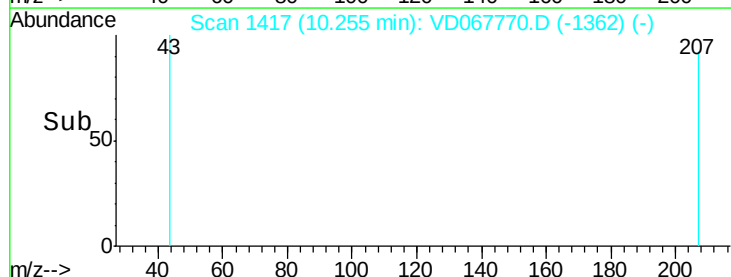
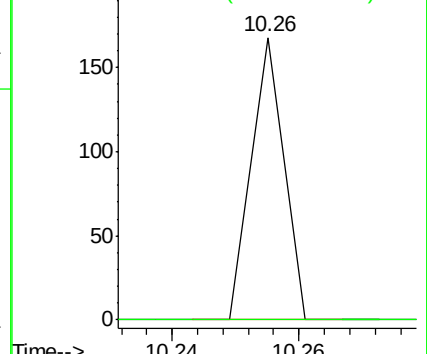
43 100

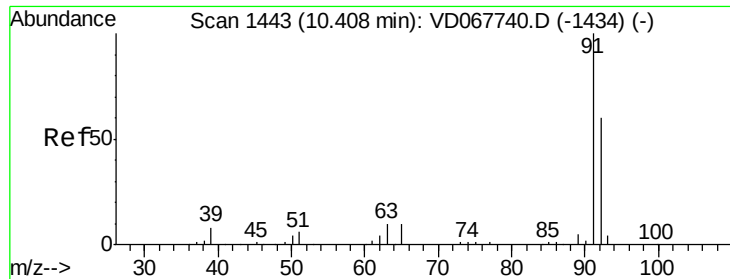
58 0.0 34.7 52.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#52

Toluene

Concen: 2.879 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067770.D

Acq: 24 Nov 2020 16:17

Instrument :

MSVOA_D

ClientSampleId :

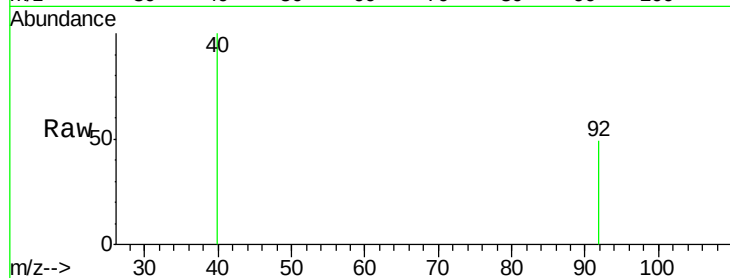
340EM-STOCKPILE-EAST

Tot Ion: 92 Resp: 54

Ion Ratio Lower Upper

92 100

91 0.0 135.4 203.0#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

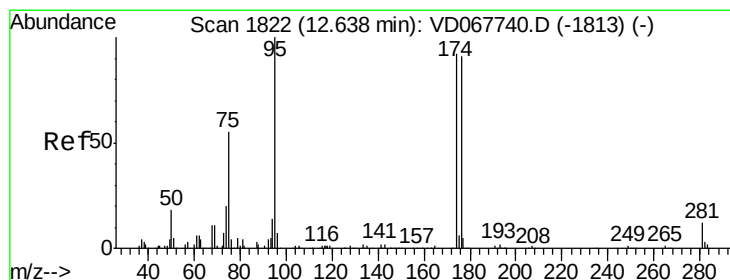
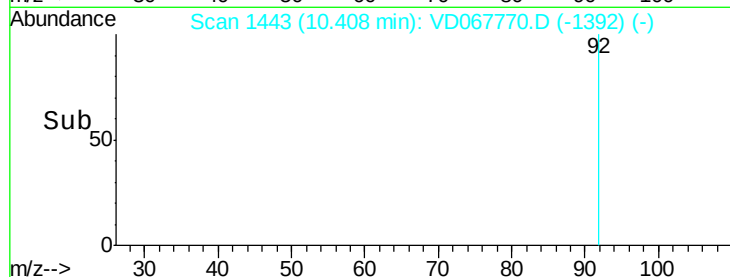
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 37.948 ug/l

RT: 12.65 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VD067770.D

Acq: 24 Nov 2020 16:17

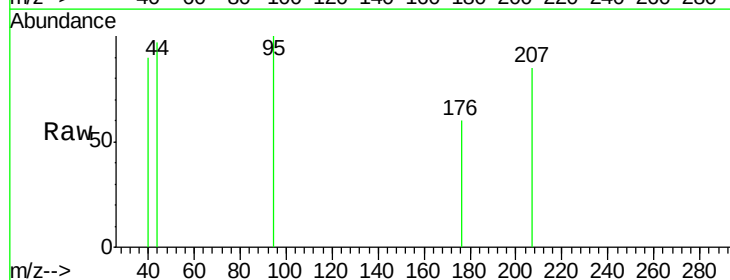
Tgt Ion: 95 Resp: 354

Ion Ratio Lower Upper

95 100

174 72.9 0.0 182.4

176 51.7 0.0 178.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.65

400

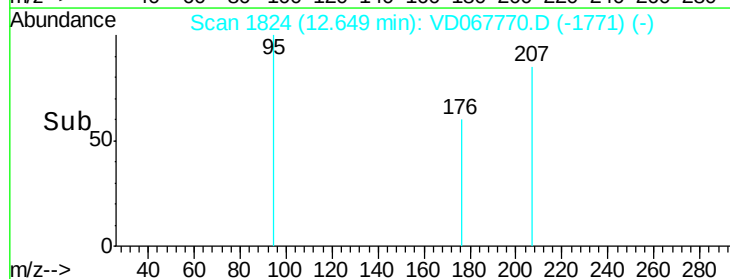
300

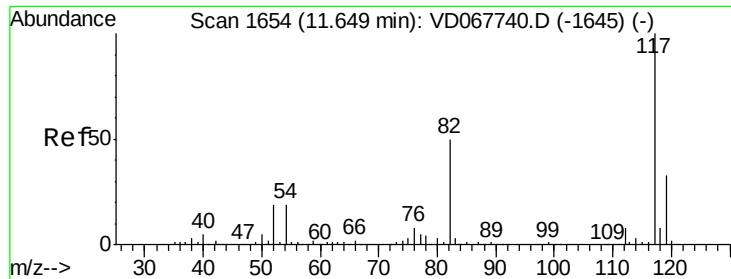
200

100

0

Time-->

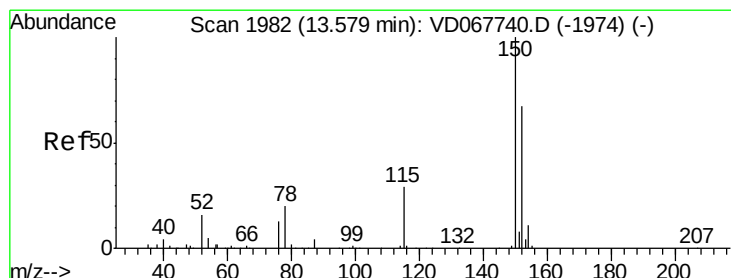
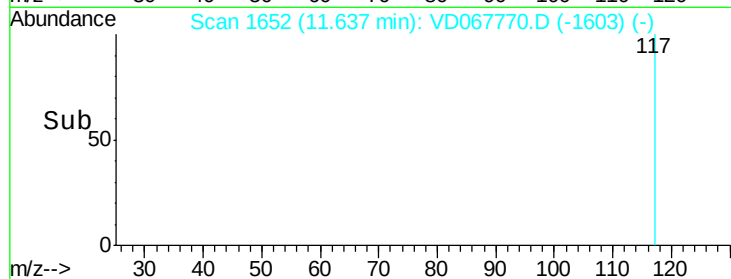
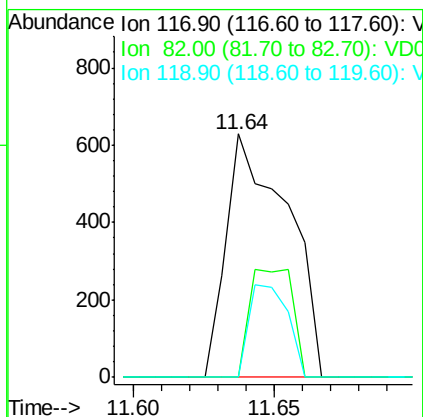
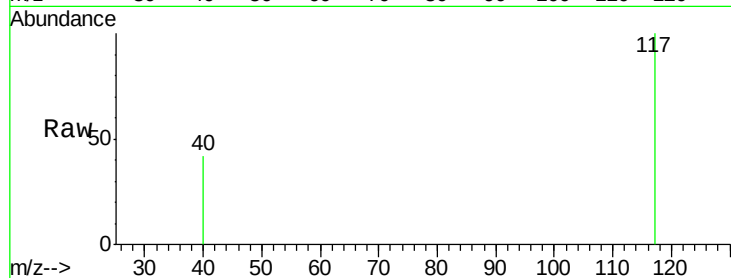




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VD067770.D
Acq: 24 Nov 2020 16:17

Instrument :
MSVOA_D
ClientSampleId :
340EM-STOCKPILE-EAST

Tot Ion:117 Resp: 944
Ion Ratio Lower Upper
117 100
82 0.0 40.2 60.4#
119 0.0 26.5 39.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.01 min
Lab File: VD067770.D
Acq: 24 Nov 2020 16:17

Tgt Ion:152 Resp: 202
Ion Ratio Lower Upper
152 100
115 99.0 29.4 88.3#
150 283.2 0.0 340.6

