

Data File : VD067771.D
Acq On : 24 Nov 2020 16:44
Operator : VA/SY
Sample : L4857-03
Misc : 5.88G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
340EM-STOCKPILE-WEST

Quant Time: Nov 25 02:05:30 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	44565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	72404	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	68969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	26399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	42965	99.16	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	=	198.32%#	
35) Dibromofluoromethane	7.92	113	29904	64.90	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	=	129.80%	
50) Toluene-d8	10.34	98	81056	48.11	ug/l	0.00
Spiked Amount 50.000	Range	49 - 140	Recovery	=	96.22%	
62) 4-Bromofluorobenzene	12.64	95	25091	43.57	ug/l	0.00
Spiked Amount 50.000	Range	25 - 144	Recovery	=	87.14%	

Target Compounds

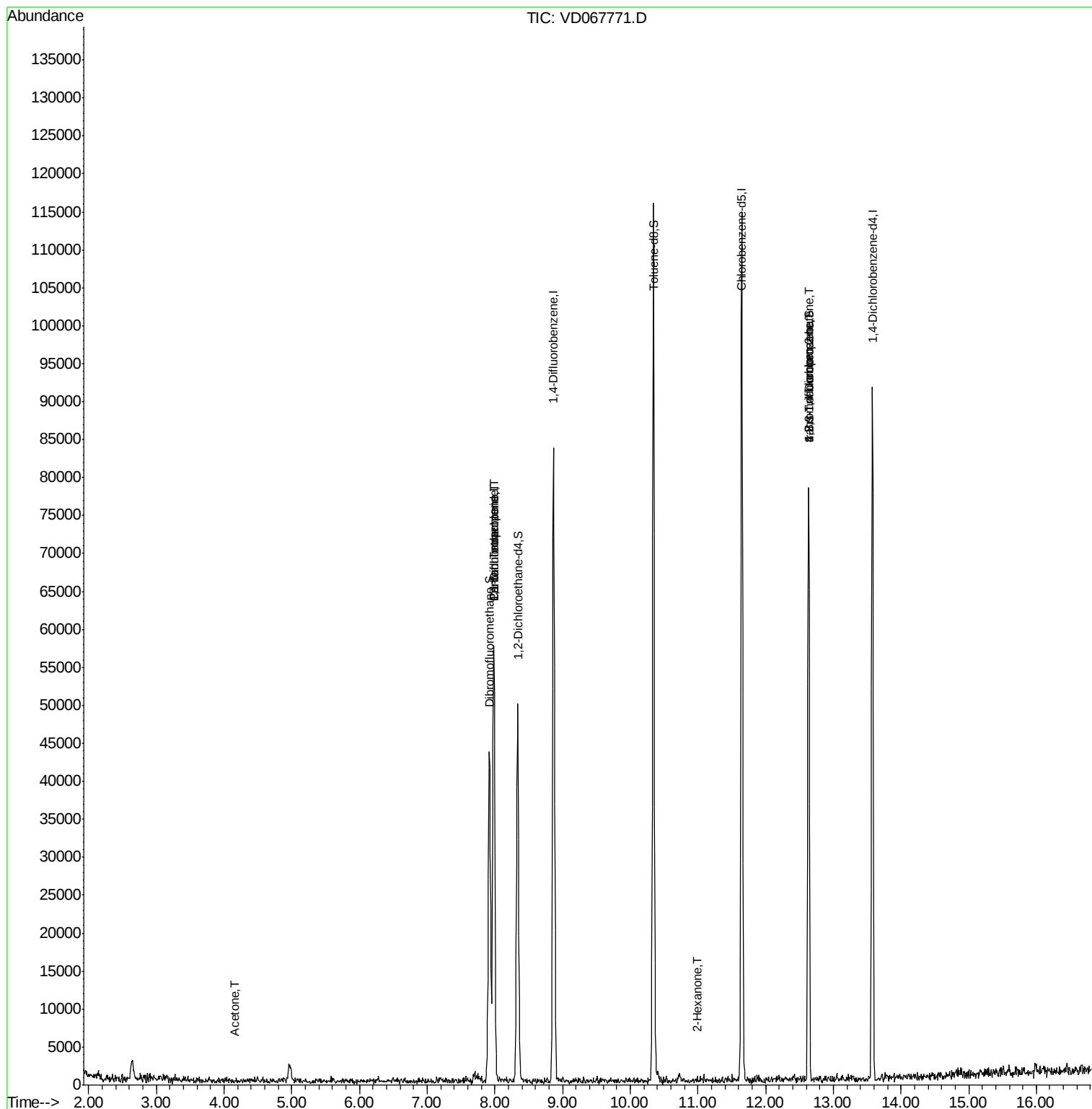
					Qvalue	
16) Acetone	4.16	43	299	5.341	ug/l #	40
20) Methylene Chloride	4.96	84	955	Below Cal	#	86
36) 1,1-Dichloropropene	7.98	75	3062	4.928	ug/l #	42
38) Carbon Tetrachloride	7.99	117	5175	5.746	ug/l #	12
59) 2-Hexanone	11.00	43	158	1.425	ug/l #	20
76) 1,2,3-Trichloropropane	12.63	75	12701	69.032	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	12701	161.459	ug/l #	11

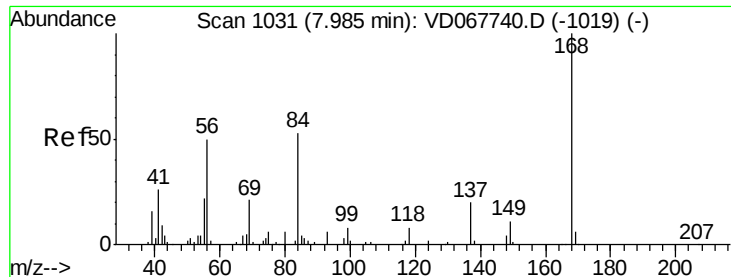
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067771.D

Acq: 24 Nov 2020 16:44

Instrument :

MSVOA_D

ClientSampleId :

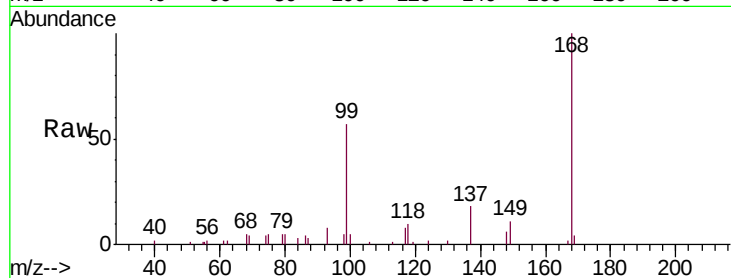
340EM-STOCKPILE-WEST

Tgt Ion:168 Resp: 44565

Ion Ratio Lower Upper

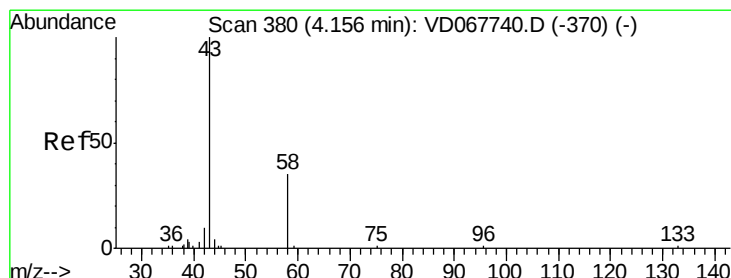
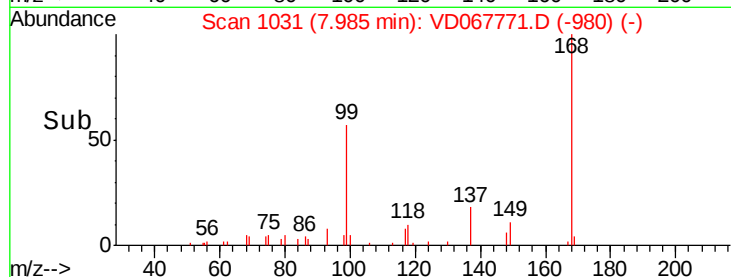
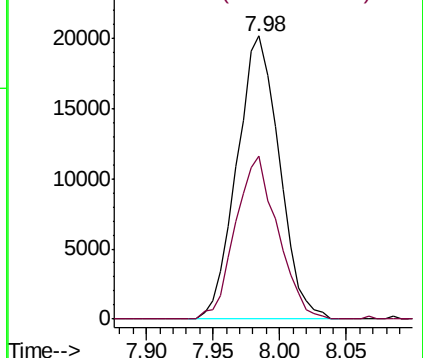
168 100

99 57.4 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 5.341 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067771.D

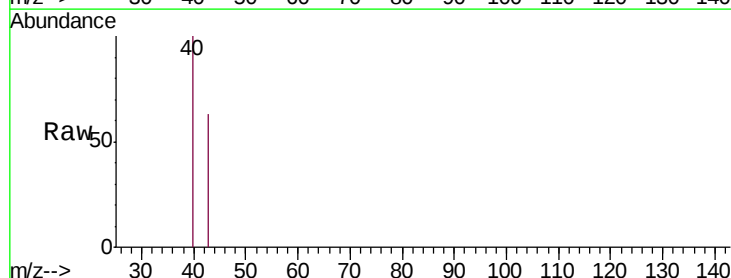
Acq: 24 Nov 2020 16:44

Tgt Ion: 43 Resp: 299

Ion Ratio Lower Upper

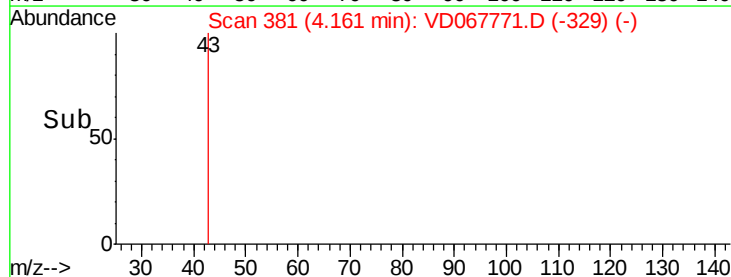
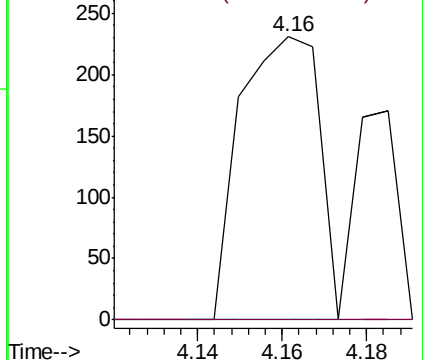
43 100

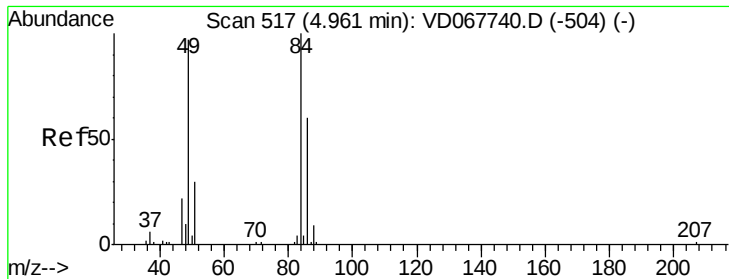
58 0.0 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067771.D

Acq: 24 Nov 2020 16:44

Instrument :

MSVOA_D

ClientSampleId :

340EM-STOCKPILE-WEST

Tgt Ion: 84 Resp: 955

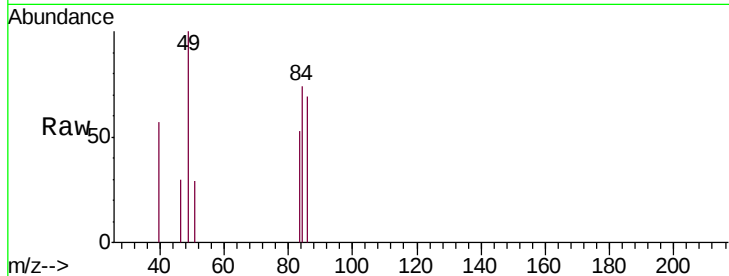
Ion Ratio Lower Upper

84 100

49 79.0 77.4 116.2

51 22.8 24.1 36.1#

86 54.4 48.2 72.2



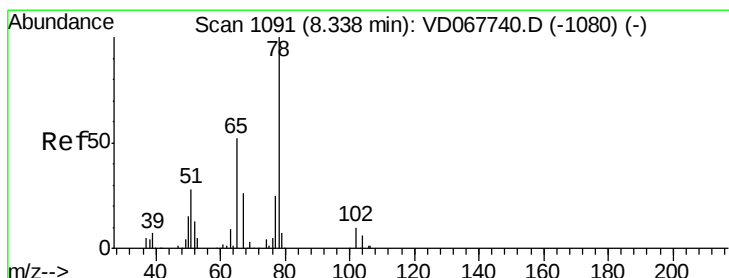
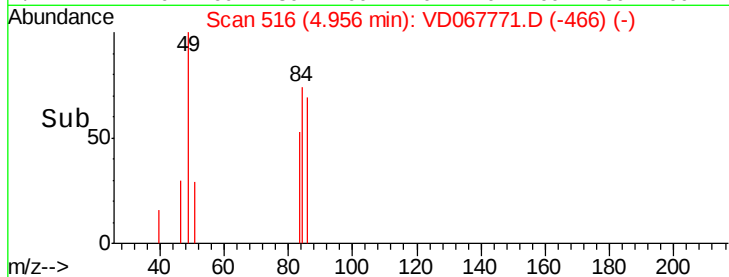
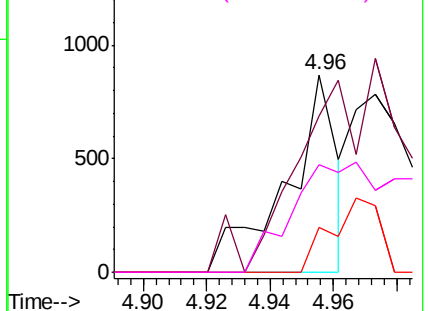
Abundance

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



#33

1,2-Dichloroethane-d4

Concen: 99.155 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067771.D

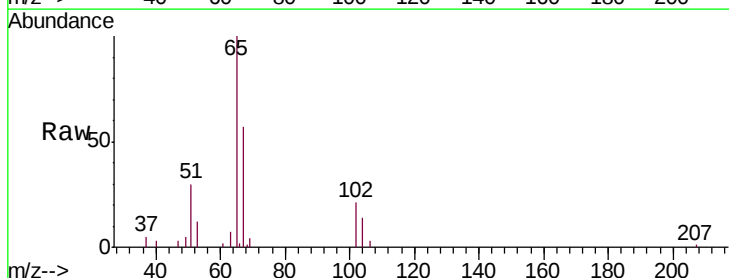
Acq: 24 Nov 2020 16:44

Tgt Ion: 65 Resp: 42965

Ion Ratio Lower Upper

65 100

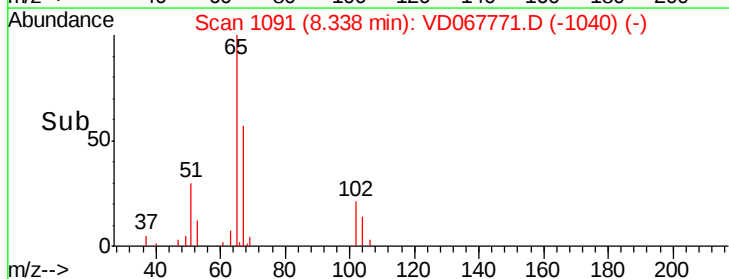
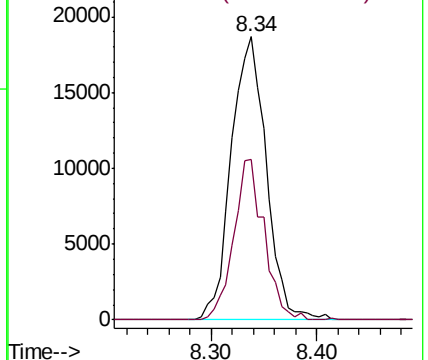
67 49.0 0.0 101.0

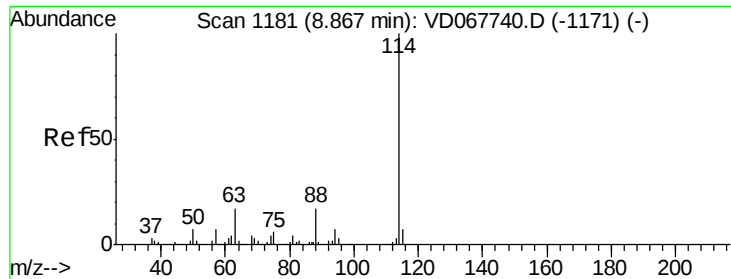


Abundance

Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

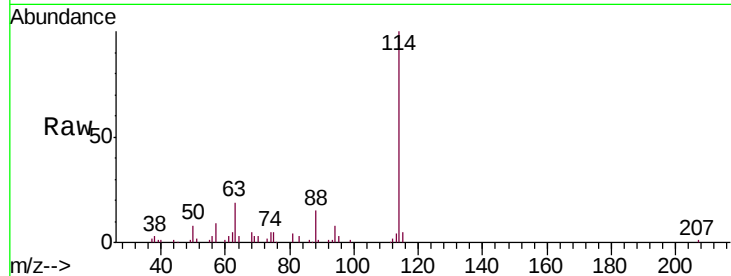




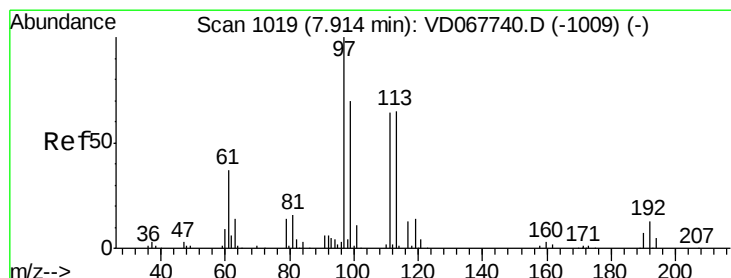
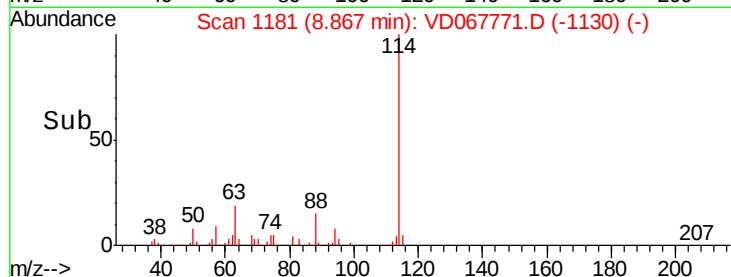
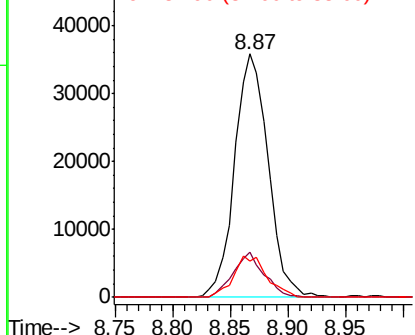
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067771.D
 Acq: 24 Nov 2020 16:44

Instrument :
 MSVOA_D
 ClientSampleId :
 340EM-STOCKPILE-WEST

Tgt Ion:114 Resp: 72404
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.8
 88 15.0 0.0 34.4

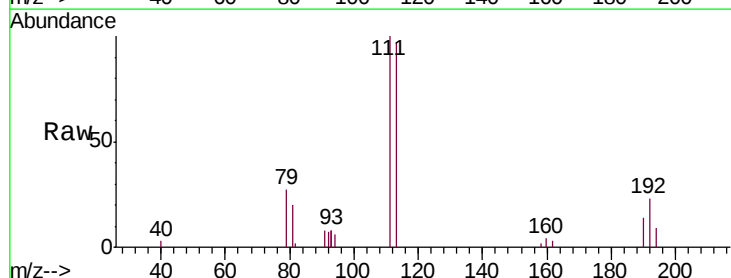


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

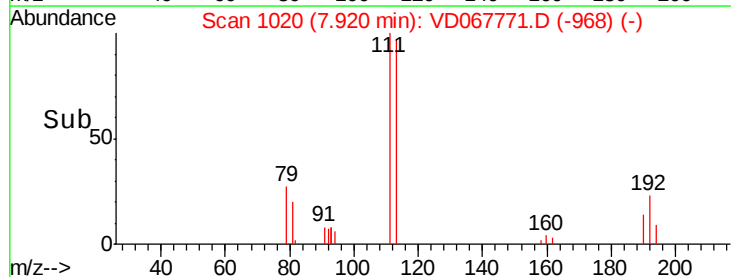
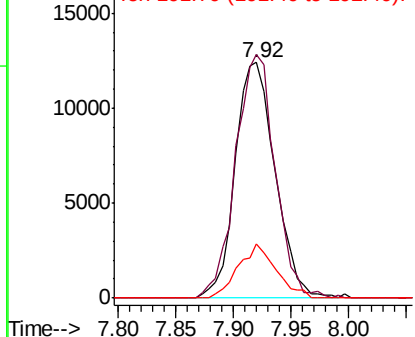


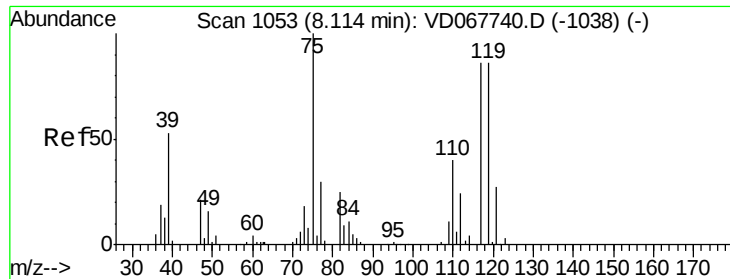
#35
 Dibromofluoromethane
 Concen: 64.899 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067771.D
 Acq: 24 Nov 2020 16:44

Tgt Ion:113 Resp: 29904
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.4 122.0
 192 21.6 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

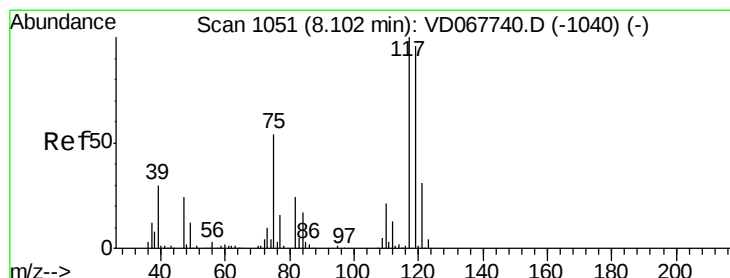
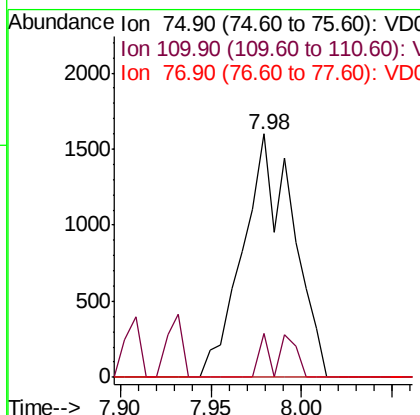
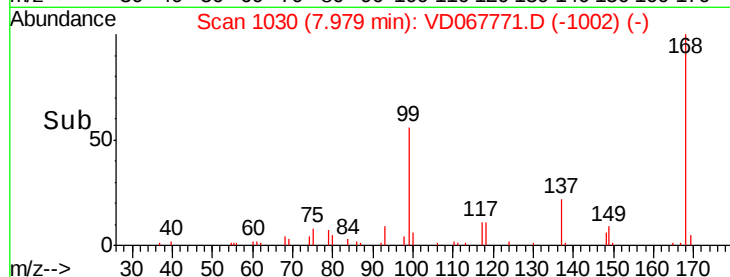
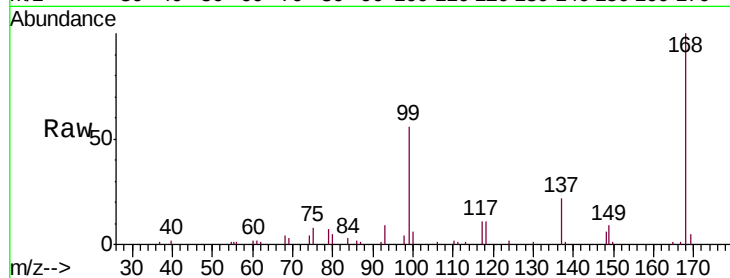




#36
 1,1-Dichloropropene
 Concen: 4.928 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067771.D
 Acq: 24 Nov 2020 16:44

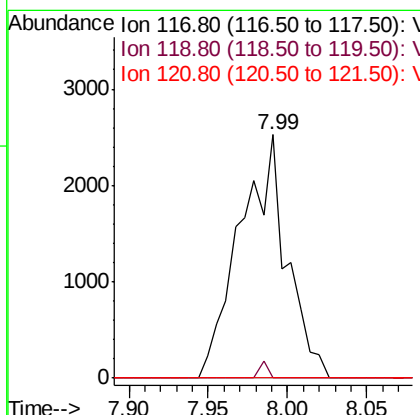
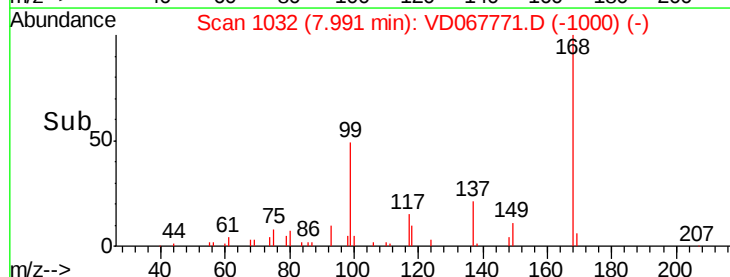
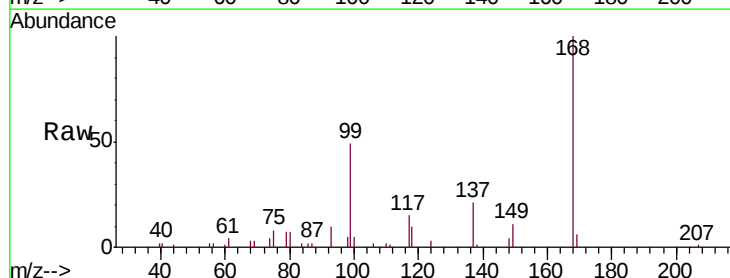
Instrument :
 MSVOA_D
 ClientSampleId :
 340EM-STOCKPILE-WEST

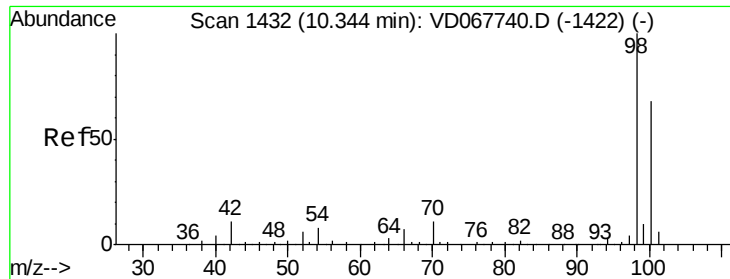
Tgt Ion: 75 Resp: 3062
 Ion Ratio Lower Upper
 75 100
 110 3.3 20.1 60.2#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.746 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.11 min
 Lab File: VD067771.D
 Acq: 24 Nov 2020 16:44

Tgt Ion: 117 Resp: 5175
 Ion Ratio Lower Upper
 117 100
 119 0.0 76.6 115.0#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 48.115 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067771.D

Acq: 24 Nov 2020 16:44

Instrument :

MSVOA_D

ClientSampleId :

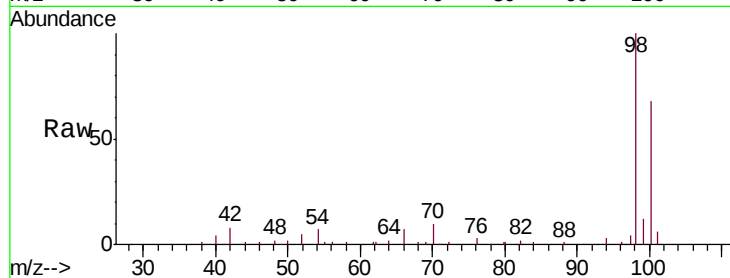
340EM-STOCKPILE-WEST

Tgt Ion: 98 Resp: 81056

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

40000

30000

20000

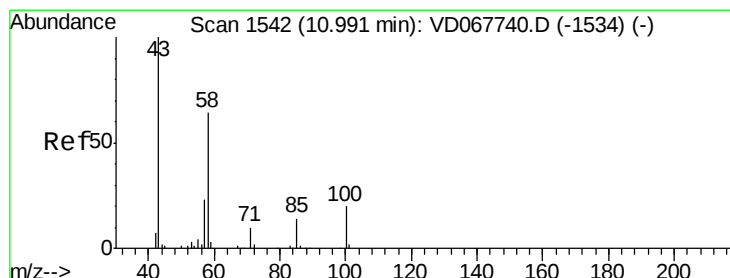
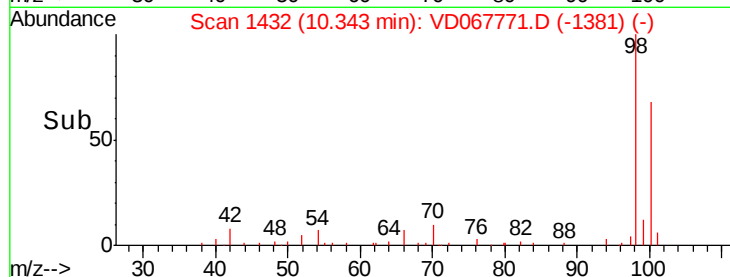
10000

0

Time-->

10.30

10.40



#59

2-Hexanone

Concen: 1.425 ug/l

RT: 11.00 min Scan# 1543

Delta R.T. 0.01 min

Lab File: VD067771.D

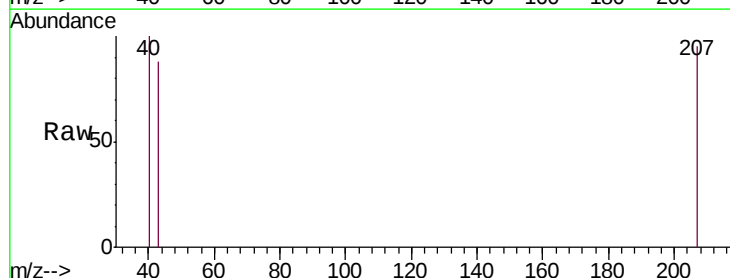
Acq: 24 Nov 2020 16:44

Tgt Ion: 43 Resp: 158

Ion Ratio Lower Upper

43 100

58 0.0 30.5 91.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

11.00

300

250

200

150

100

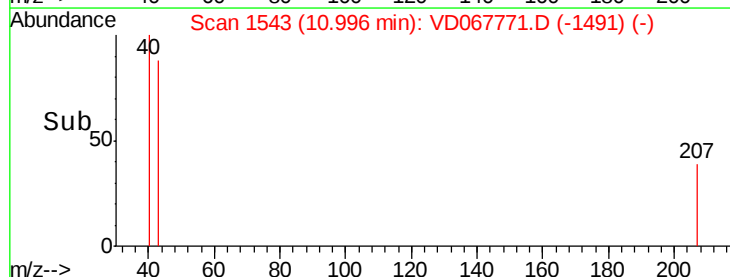
50

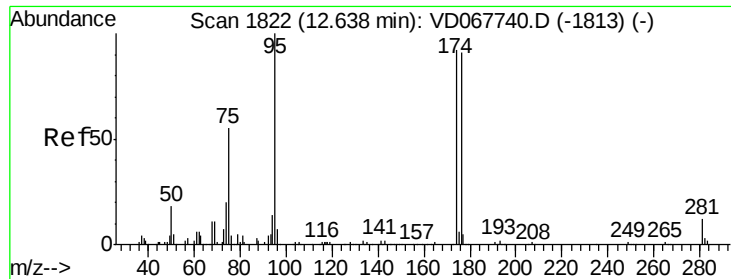
0

Time-->

10.98

11.00

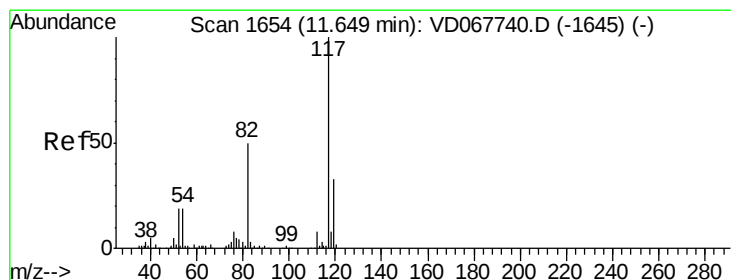
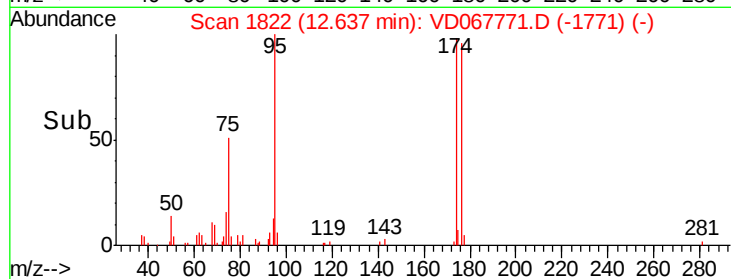
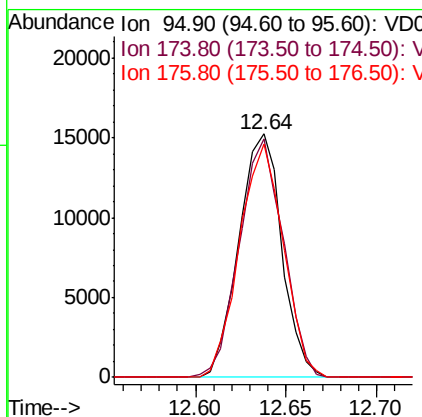
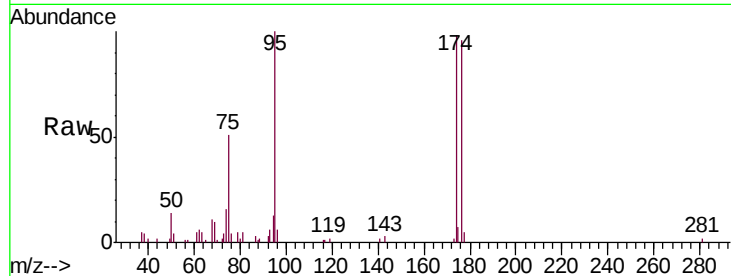




#62
4-Bromofluorobenzene
Concen: 43.575 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067771.D
Acq: 24 Nov 2020 16:44

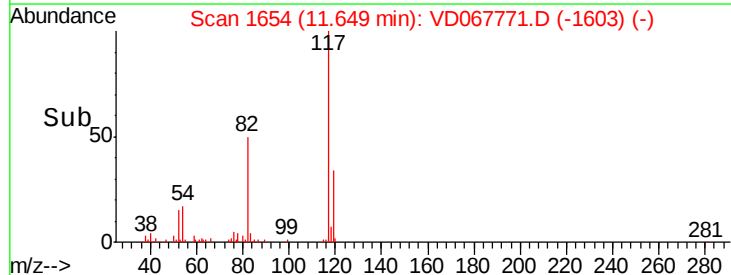
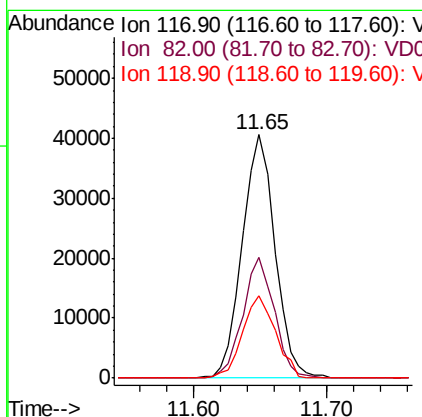
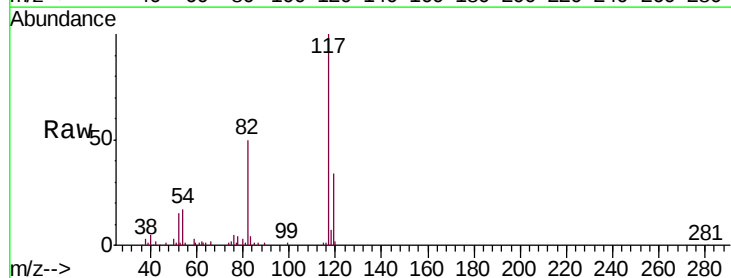
Instrument :
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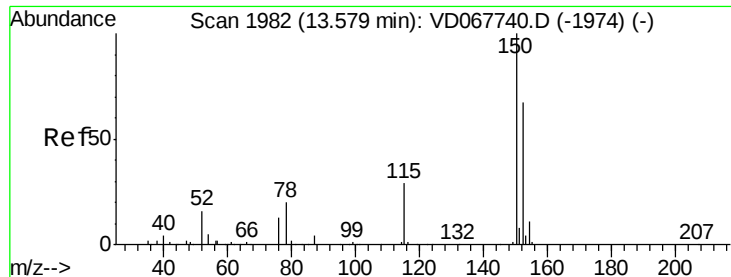
Tgt Ion: 95 Resp: 25091
Ion Ratio Lower Upper
95 100
174 99.9 0.0 182.4
176 98.4 0.0 178.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067771.D
Acq: 24 Nov 2020 16:44

Tgt Ion: 117 Resp: 68969
Ion Ratio Lower Upper
117 100
82 49.8 40.2 60.4
119 33.8 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: VD067771.D

Acq: 24 Nov 2020 16:44

Instrument :

MSVOA_D

ClientSampleId :

340EM-STOCKPILE-WEST

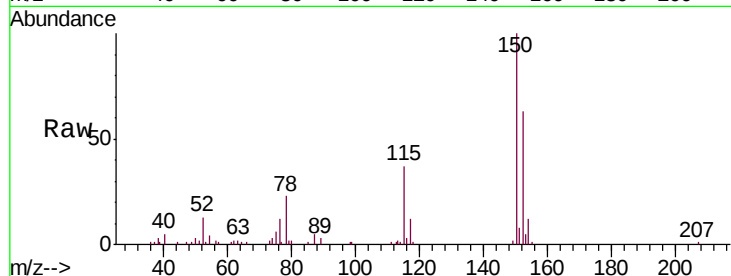
Tgt Ion:152 Resp: 26399

Ion Ratio Lower Upper

152 100

115 55.1 29.4 88.3

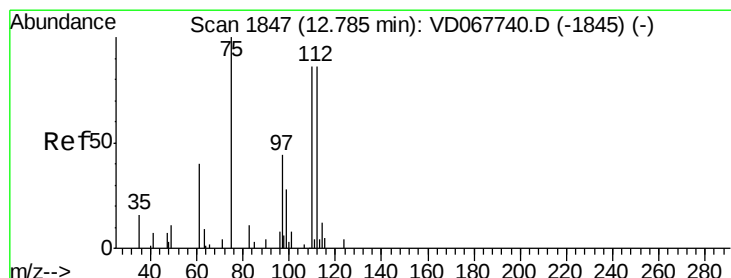
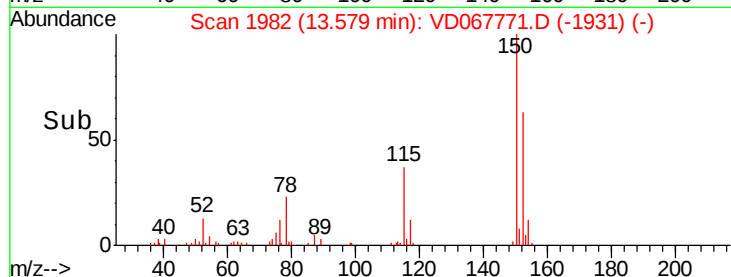
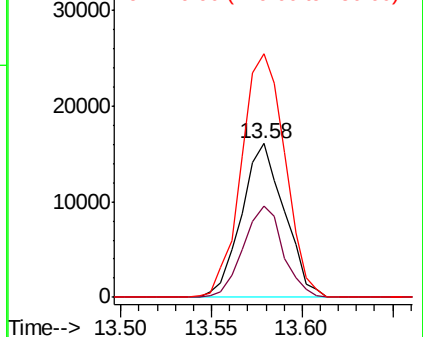
150 161.1 0.0 340.6



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: 69.032 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067771.D

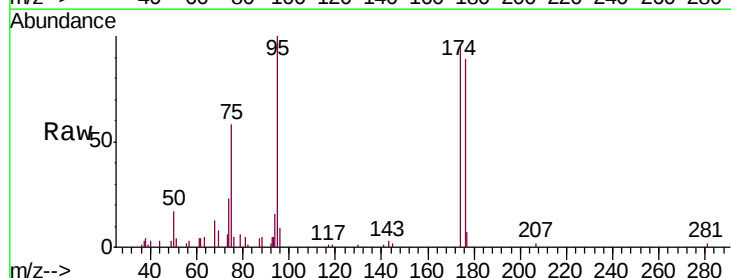
Acq: 24 Nov 2020 16:44

Tgt Ion: 75 Resp: 12701

Ion Ratio Lower Upper

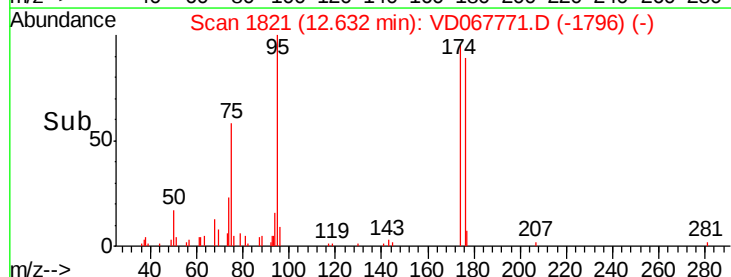
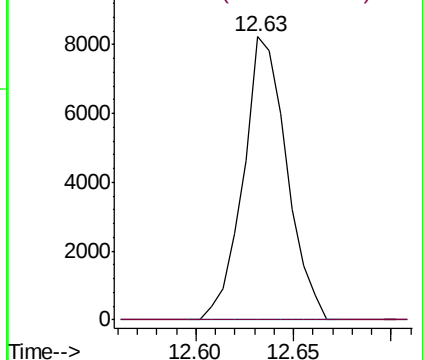
75 100

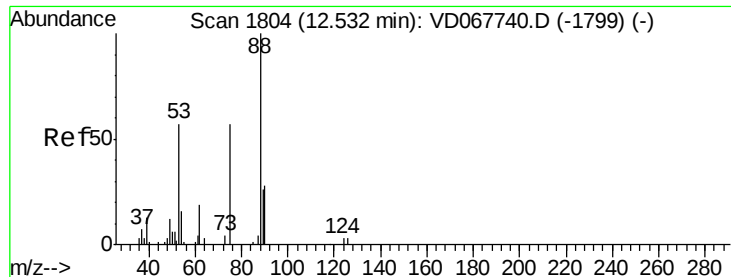
77 0.0 0.0 0.0



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: 161.459 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD067771.D

Acq: 24 Nov 2020 16:44

Instrument :

MSVOA_D

ClientSampleId :

340EM-STOCKPILE-WEST

Tgt Ion: 75 Resp: 12701

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.0 40.2 60.4#

