

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD092520\
 Data File : VD066868.D
 Acq On : 25 Sep 2020 12:31
 Operator : VA/SY
 Sample : L4148-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CTB-WEST-SOIL-(MERL)

Quant Time: Sep 25 14:24:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

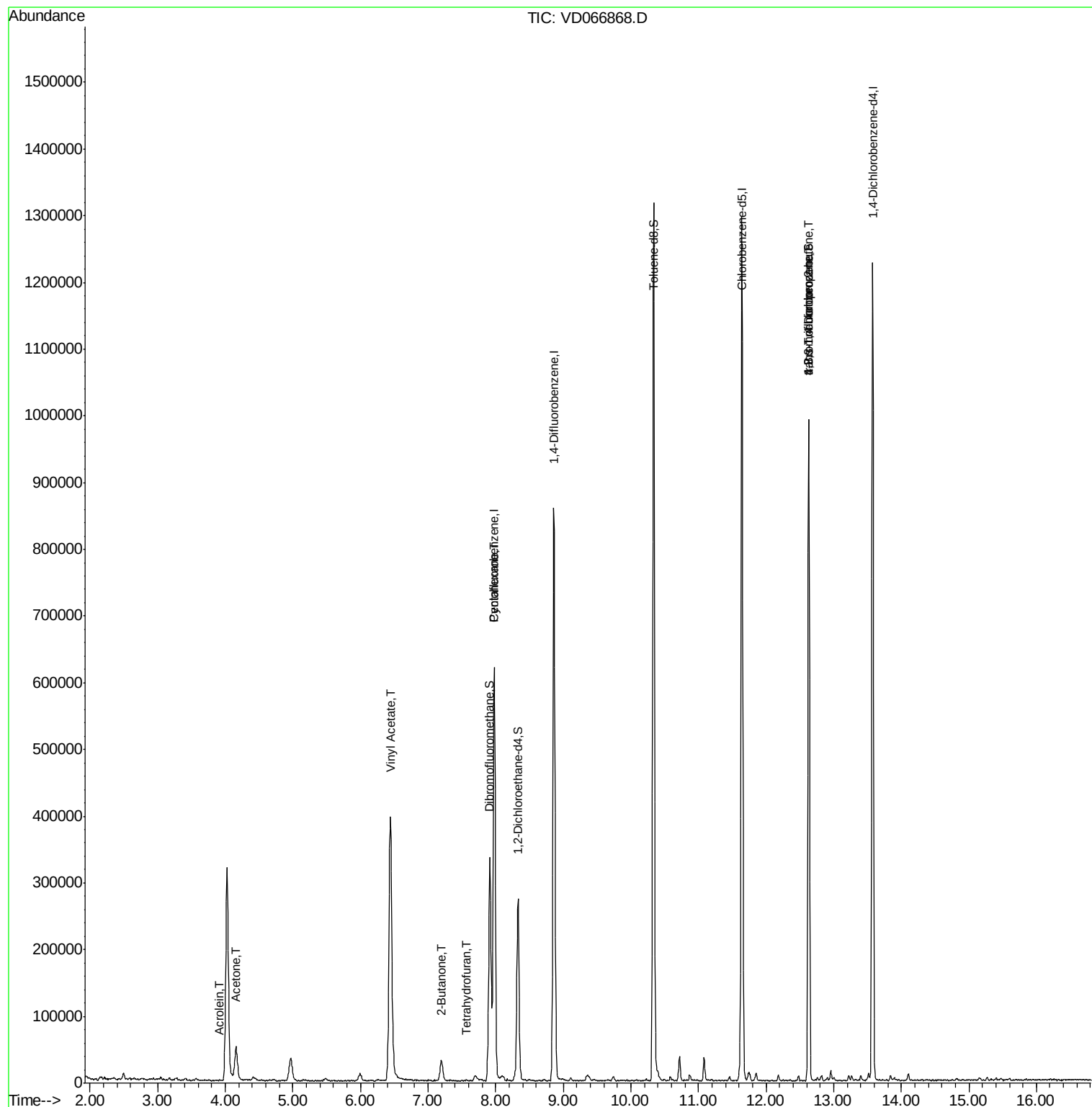
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	441334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	746007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	743015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	322479	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	223761	51.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.60%	
35) Dibromofluoromethane	7.91	113	239443	50.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.90%	
50) Toluene-d8	10.34	98	884630	54.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.42%	
62) 4-Bromofluorobenzene	12.63	95	312231	56.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.80%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	1691	Below Cal		82
11) Tert butyl alcohol	5.20	59	639	Below Cal	#	72
13) Acrolein	3.91	56	616	1.933 ug/l	#	12
16) Acetone	4.16	43	85798	93.632 ug/l		99
18) Methyl Acetate	4.72	43	132	Below Cal	#	50
20) Methylene Chloride	4.97	84	26528	Below Cal		93
23) Vinyl Acetate	6.44	43	73326	12.912 ug/l	#	71
25) 2-Butanone	7.19	43	1949	1.770 ug/l	#	46
29) Tetrahydrofuran	7.56	42	739	1.047 ug/l	#	40
31) Cyclohexane	7.98	56	11630	1.481 ug/l	#	6
49) 1,4-Dioxane	9.46	88	157	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.63	75	160272	59.972 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.63	75	160272	150.044 ug/l	#	10

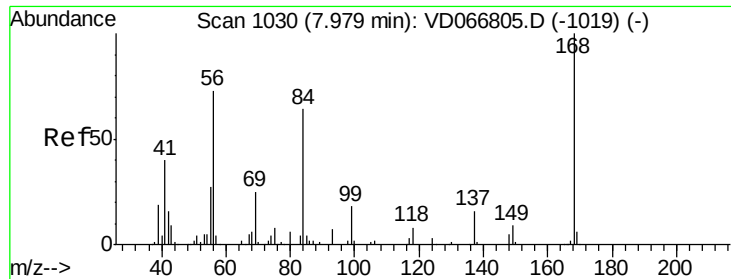
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD092520\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066868.D

Acq: 25 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

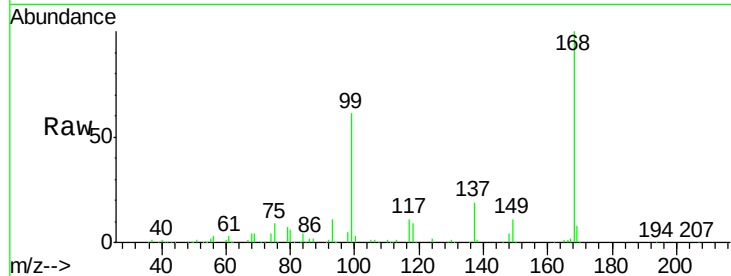
CTB-WEST-SOIL-(MERL)

Tgt Ion:168 Resp: 441334

Ion Ratio Lower Upper

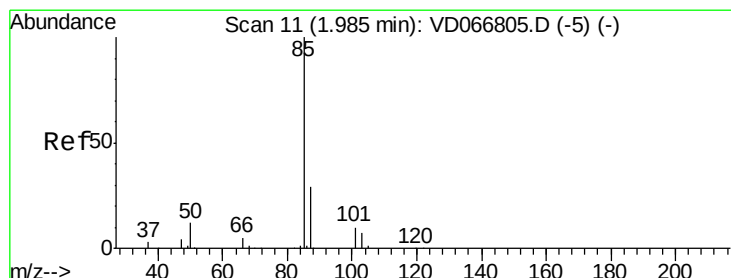
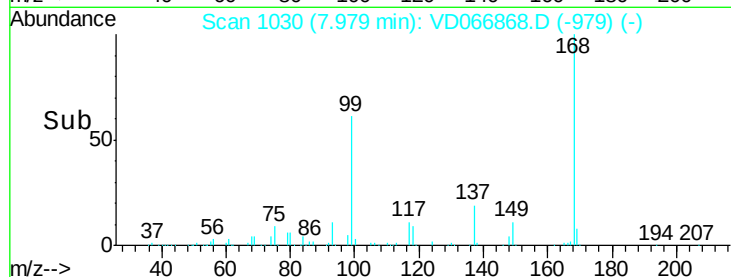
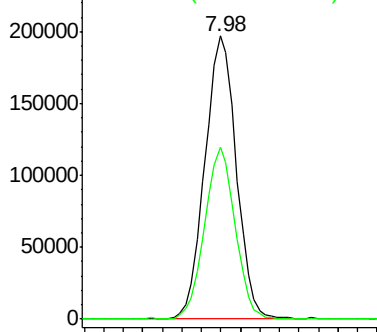
168 100

99 60.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066868.D

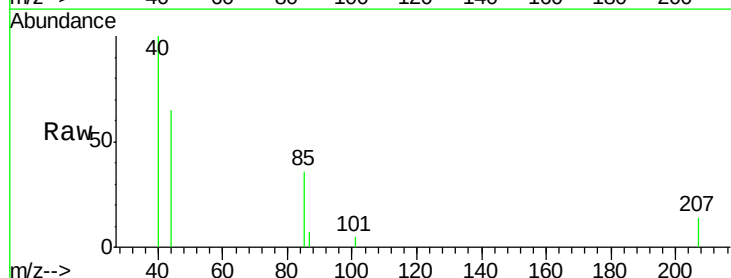
Acq: 25 Sep 2020 12:31

Tgt Ion: 85 Resp: 1691

Ion Ratio Lower Upper

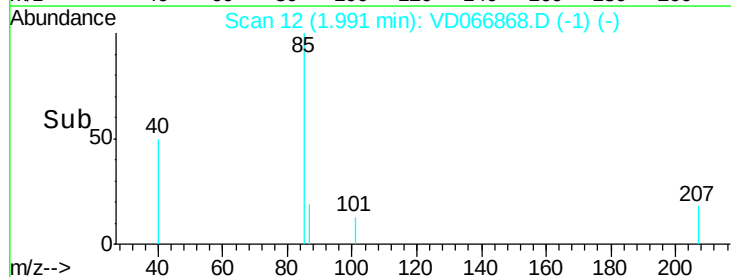
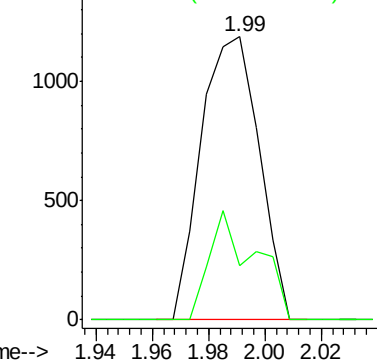
85 100

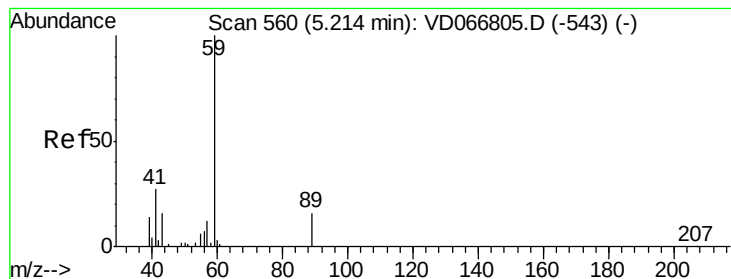
87 19.1 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



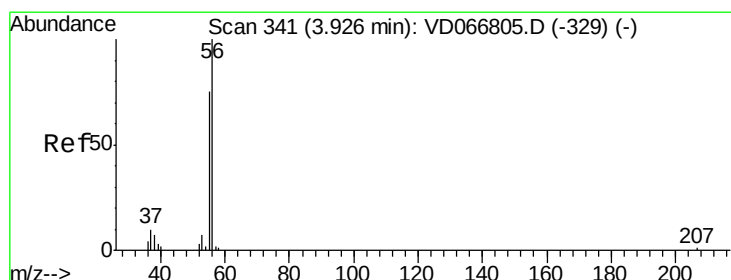
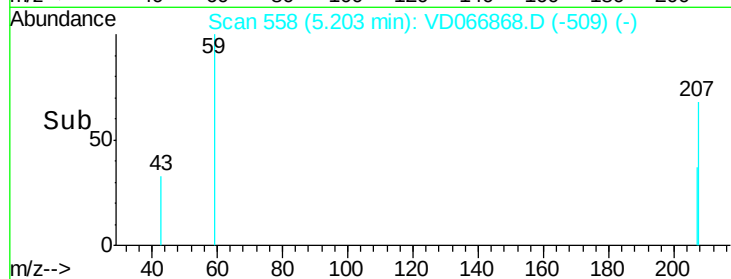
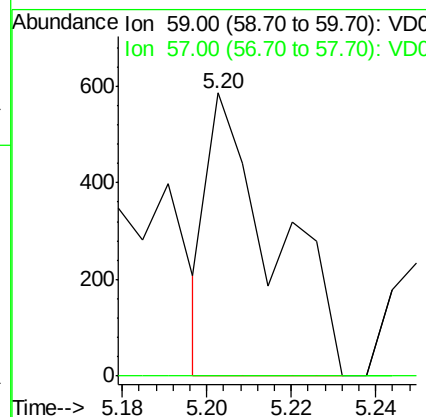
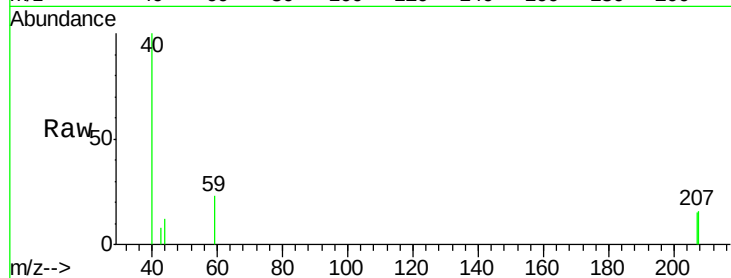


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD066868.D
 Acq: 25 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 CTB-WEST-SOIL-(MERL)

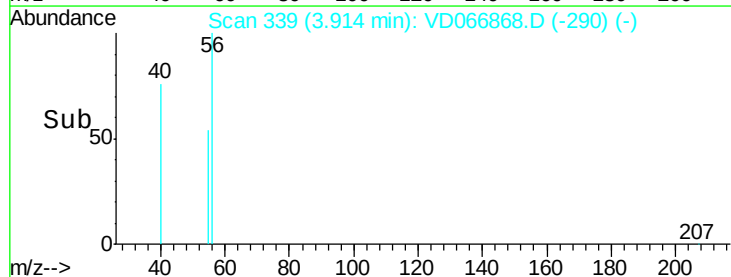
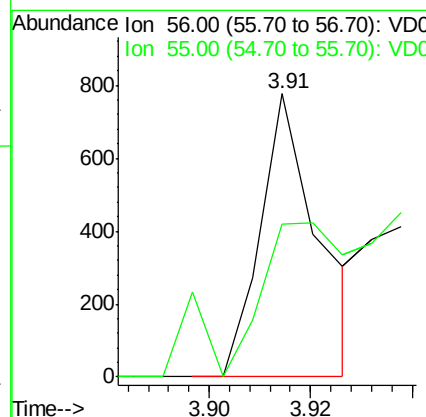
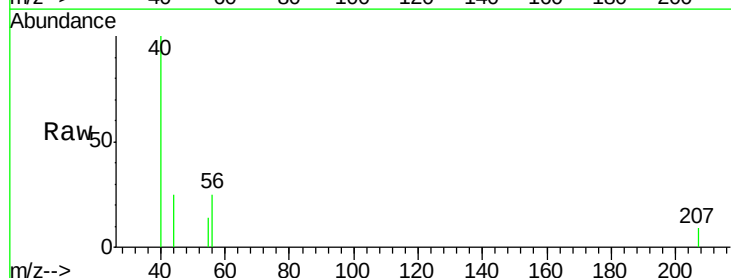
Tgt Ion: 59 Resp: 639
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

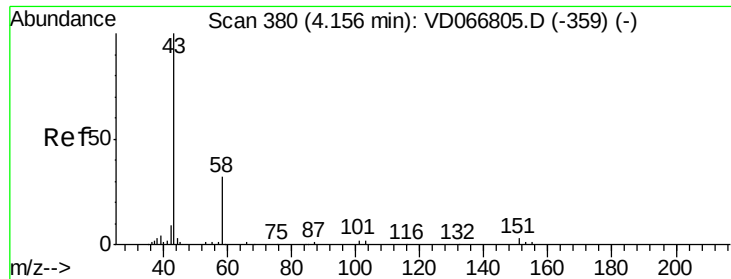


#13

Acrolein
 Concen: 1.933 ug/l
 RT: 3.91 min Scan# 339
 Delta R.T. -0.01 min
 Lab File: VD066868.D
 Acq: 25 Sep 2020 12:31

Tgt Ion: 56 Resp: 616
 Ion Ratio Lower Upper
 56 100
 55 0.0 60.3 90.5#





#16

Acetone

Concen: 93.632 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066868.D

Acq: 25 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

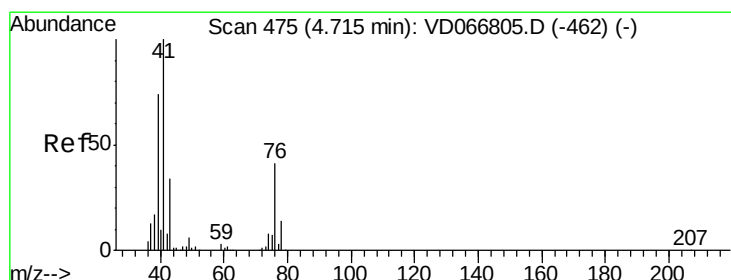
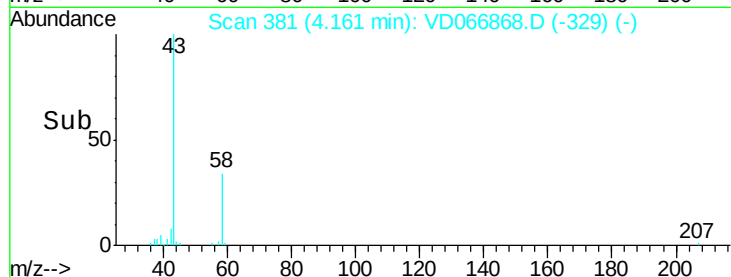
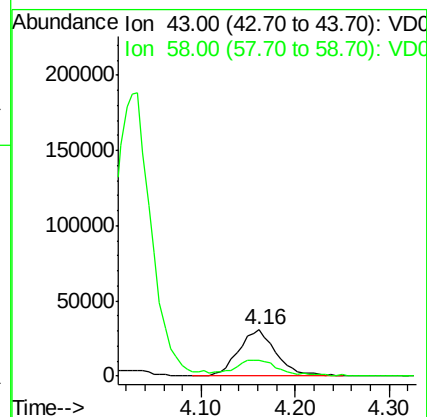
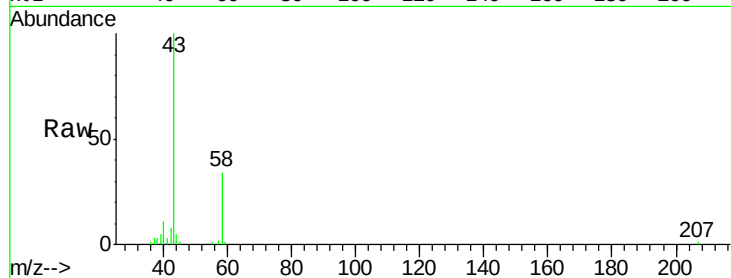
CTB-WEST-SOIL-(MERL)

Tgt Ion: 43 Resp: 85798

Ion Ratio Lower Upper

43 100

58 31.5 25.6 38.4



#18

Methyl Acetate

Concen: Below Cal

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066868.D

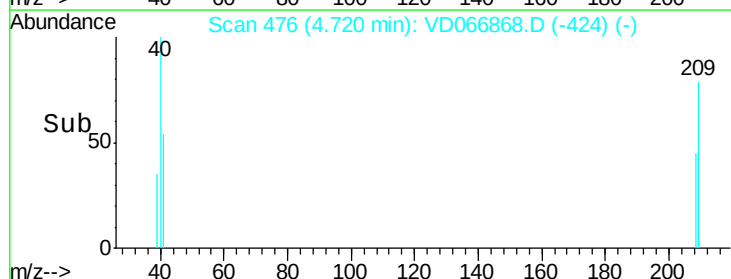
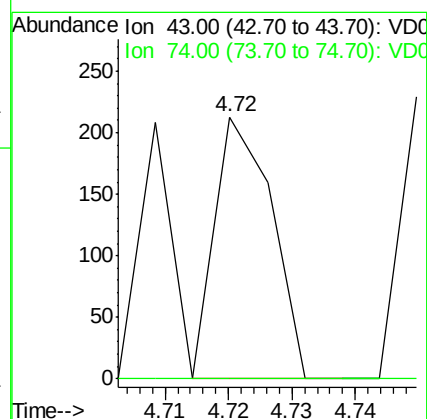
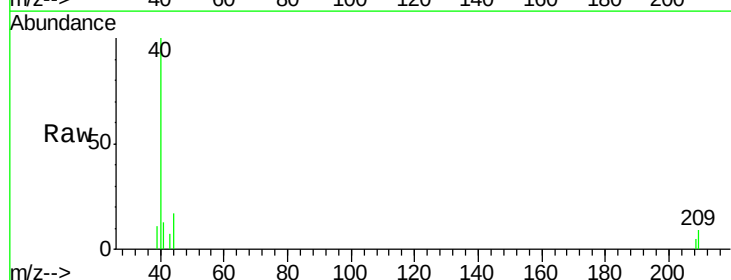
Acq: 25 Sep 2020 12:31

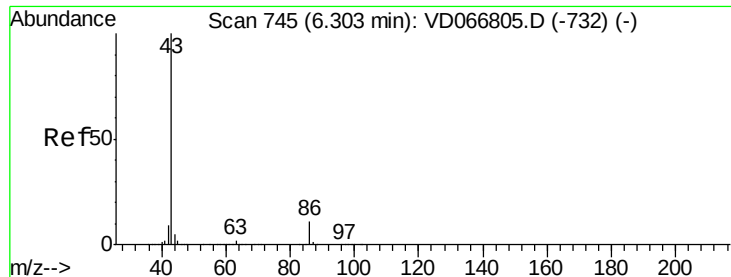
Tgt Ion: 43 Resp: 132

Ion Ratio Lower Upper

43 100

74 0.0 20.3 30.5#





#23

Vinyl Acetate

Concen: 12.912 ug/l

RT: 6.44 min Scan# 769

Delta R.T. 0.14 min

Lab File: VD066868.D

Acq: 25 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

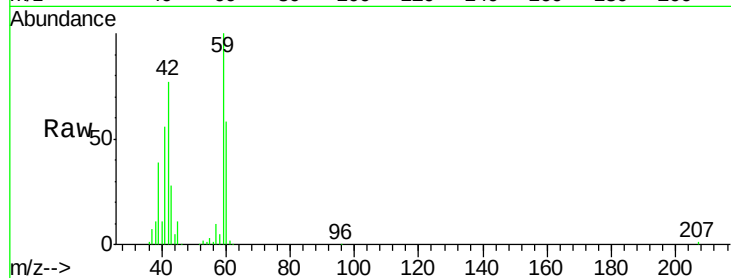
CTB-WEST-SOIL-(MERL)

Tgt Ion: 43 Resp: 73326

Ion Ratio Lower Upper

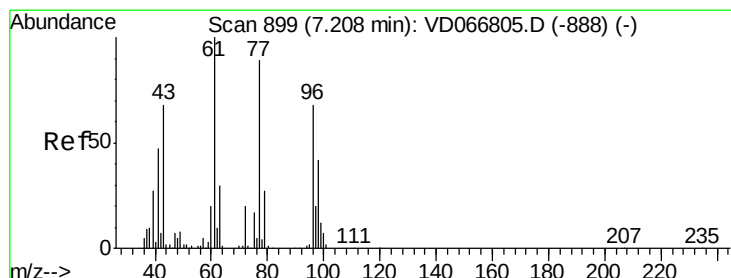
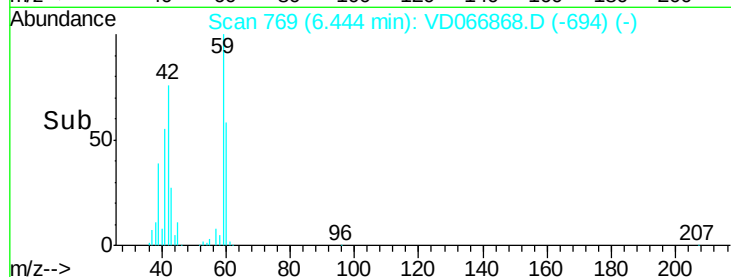
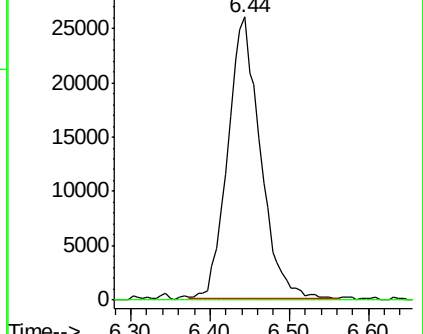
43 100

86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#25

2-Butanone

Concen: 1.770 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066868.D

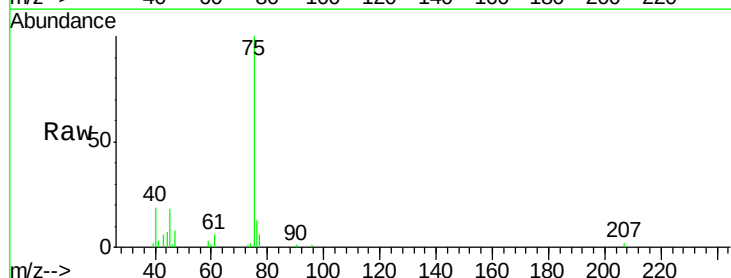
Acq: 25 Sep 2020 12:31

Tgt Ion: 43 Resp: 1949

Ion Ratio Lower Upper

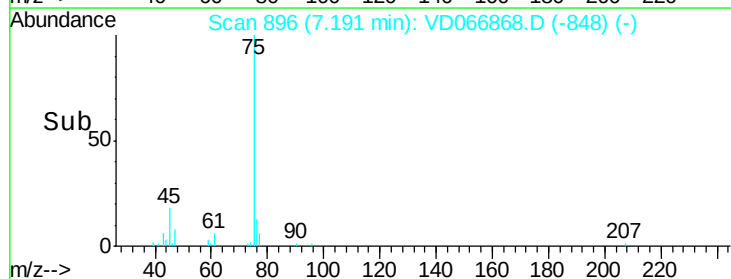
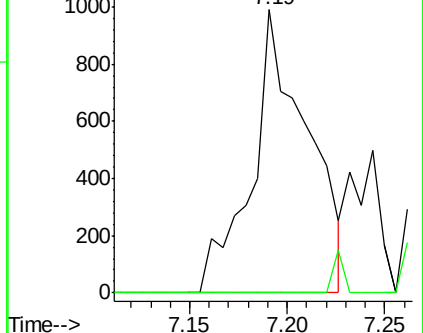
43 100

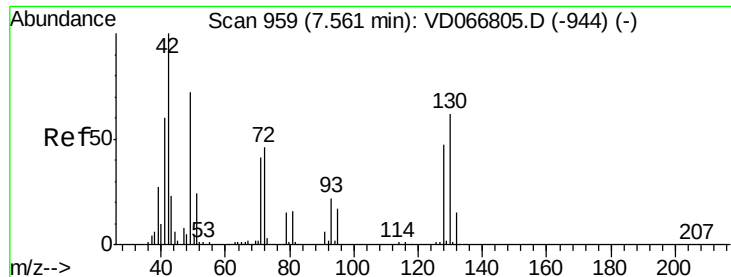
72 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

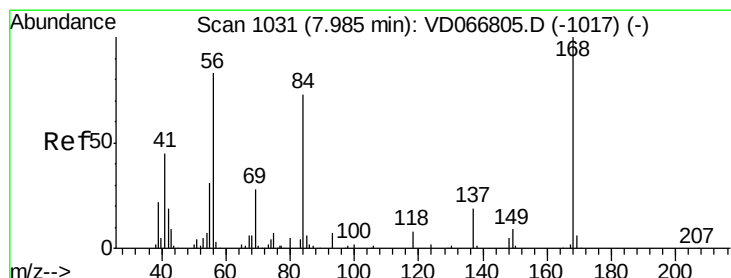
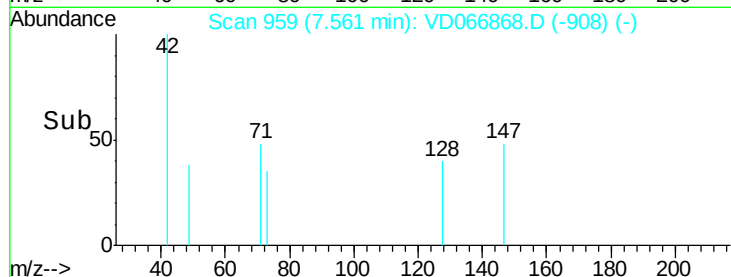
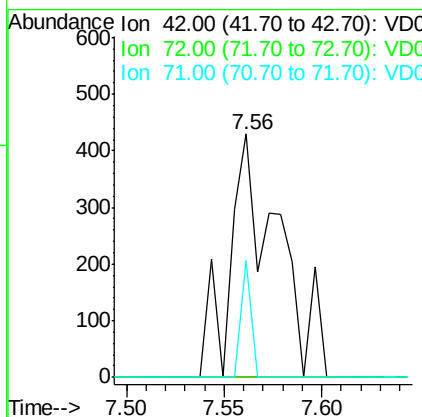
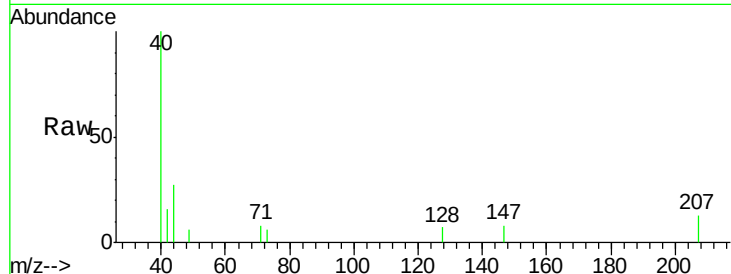




#29
Tetrahydrofuran
Concen: 1.047 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066868.D
Acq: 25 Sep 2020 12:31

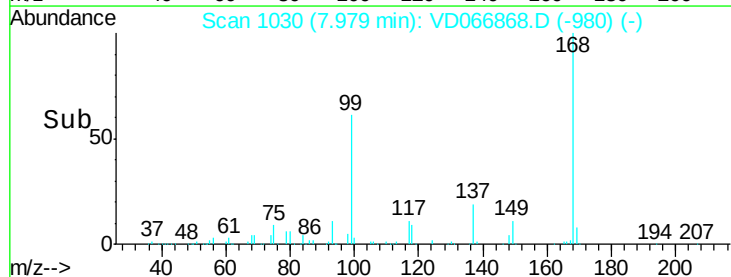
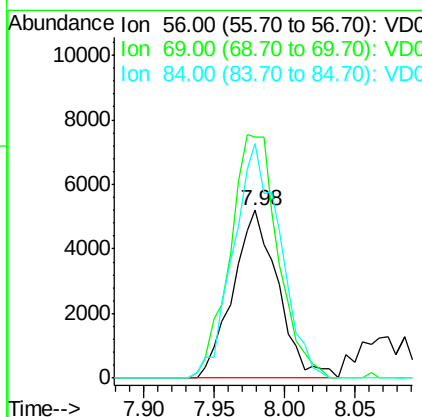
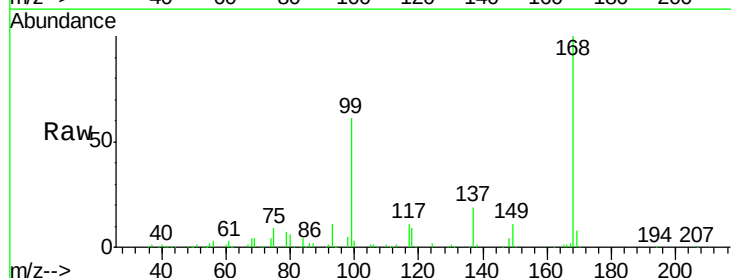
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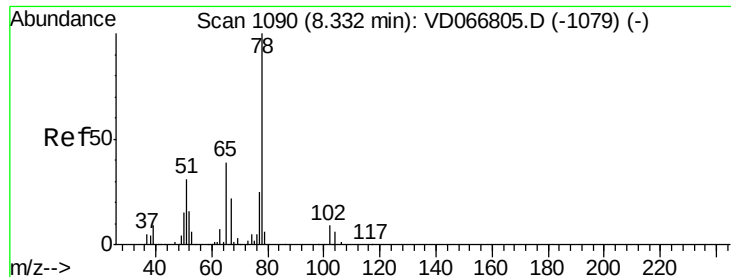
Tgt Ion: 42 Resp: 739
Ion Ratio Lower Upper
42 100
72 0.0 36.2 54.4#
71 9.9 32.4 48.6#



#31
Cyclohexane
Concen: 1.481 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066868.D
Acq: 25 Sep 2020 12:31

Tgt Ion: 56 Resp: 11630
Ion Ratio Lower Upper
56 100
69 143.3 27.0 40.4#
84 139.9 70.2 105.4#

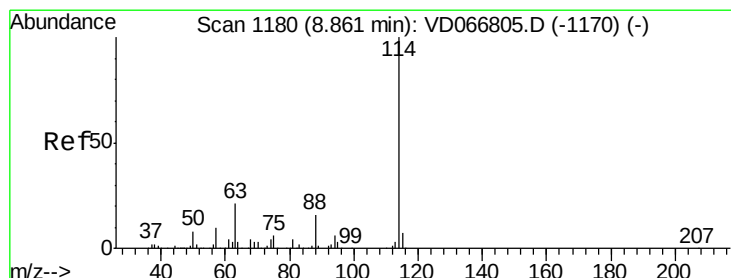
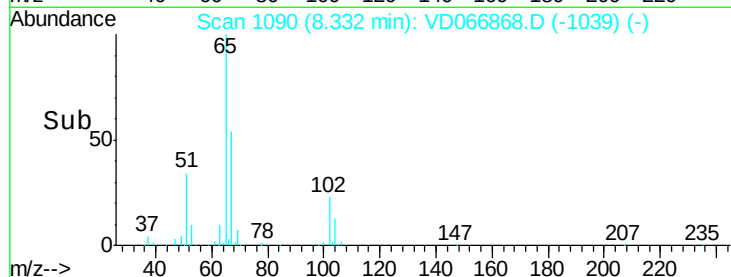
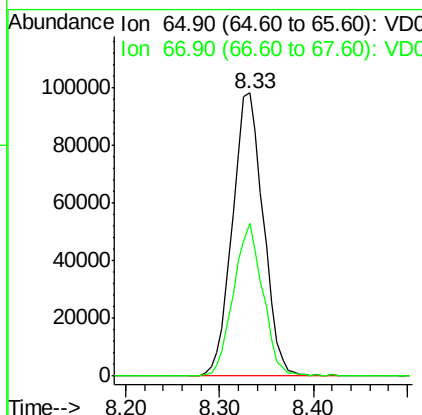
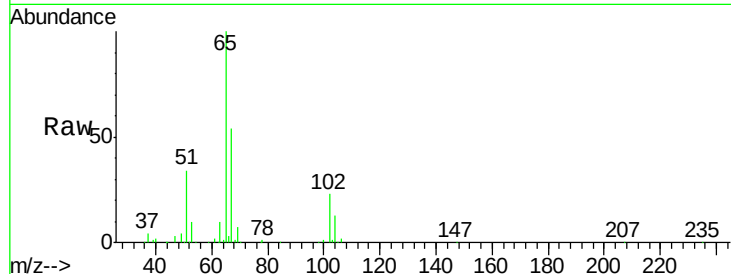




#33
 1,2-Dichloroethane-d4
 Concen: 51.801 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066868.D
 Acq: 25 Sep 2020 12:31

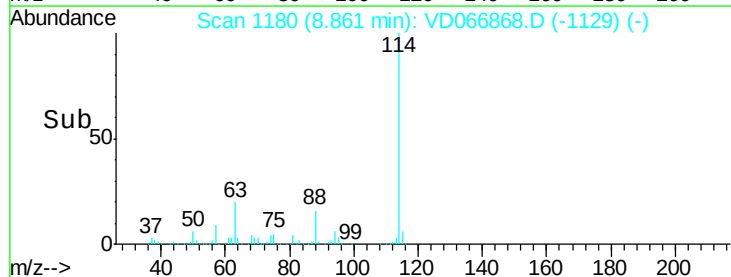
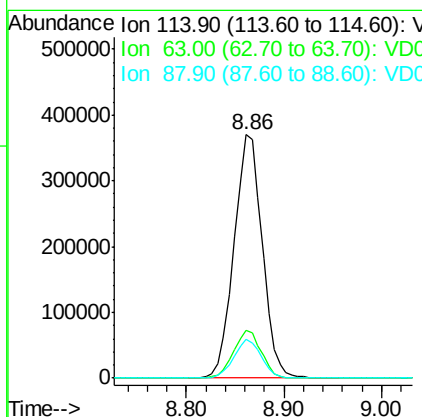
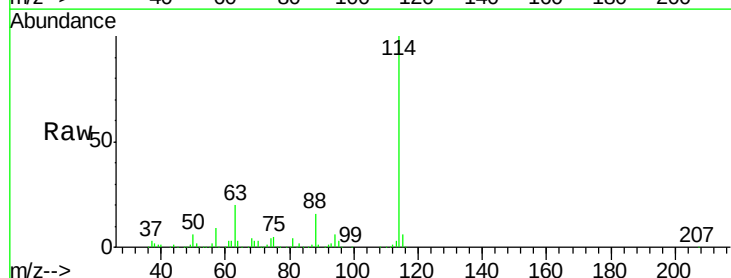
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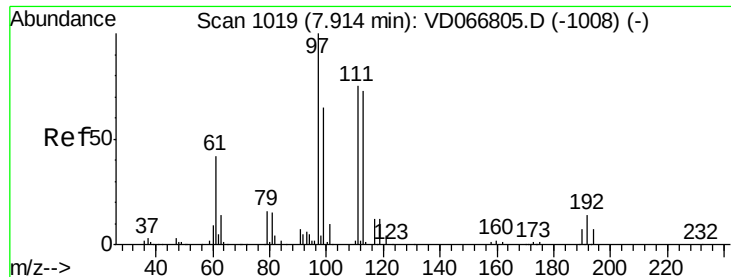
Tgt Ion: 65 Resp: 223761
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066868.D
 Acq: 25 Sep 2020 12:31

Tgt Ion: 114 Resp: 746007
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.6
 88 15.7 0.0 32.6

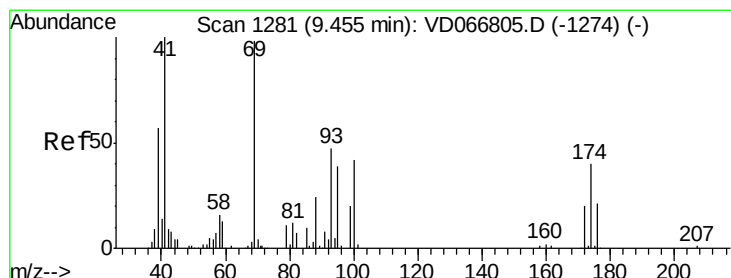
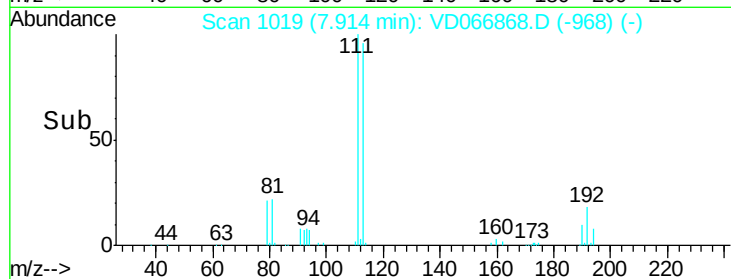
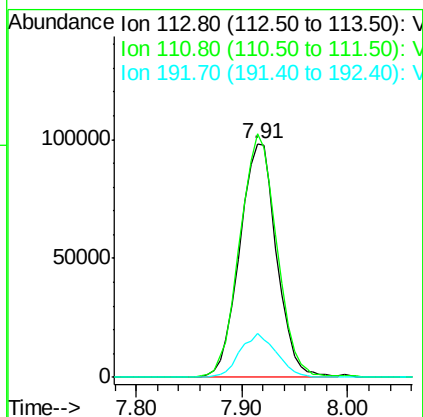
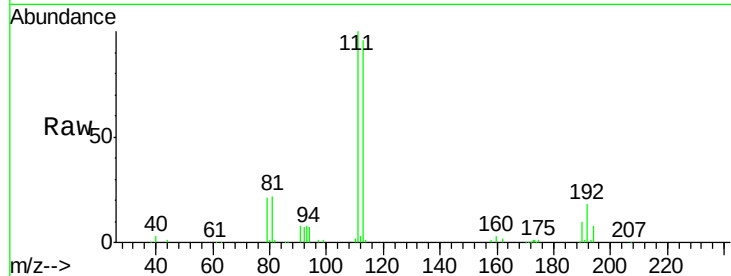




#35
 Dibromofluoromethane
 Concen: 50.451 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066868.D
 Acq: 25 Sep 2020 12:31

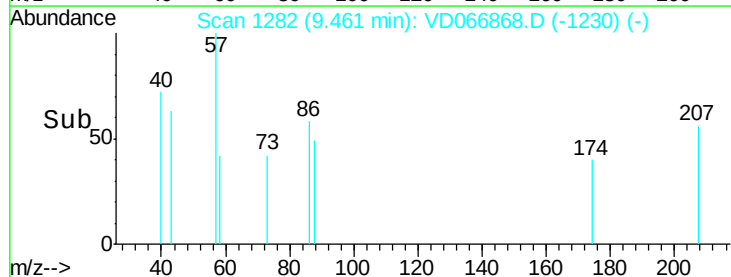
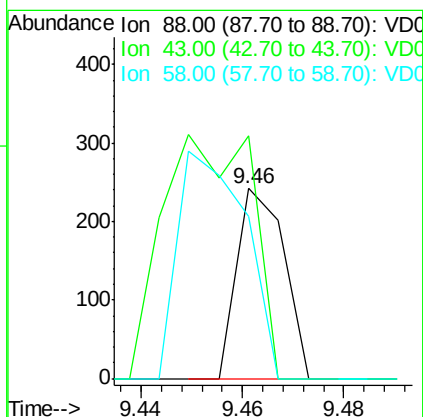
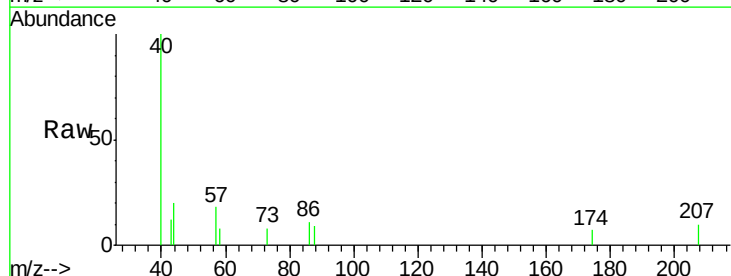
Instrument :
 MSVOA_D
 ClientSampleId :
 CTB-WEST-SOIL-(MERL)

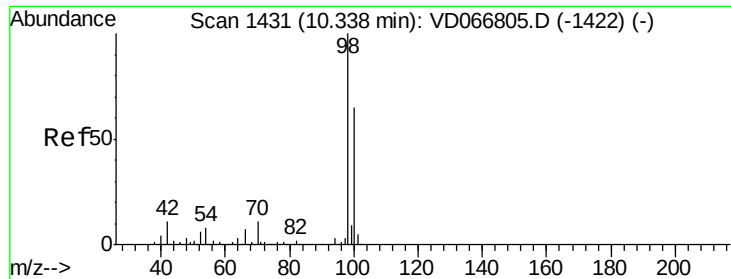
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.8	122.8
192	18.6	14.4	21.6



#49
 1,4-Dioxane
 Concen: Below Cal
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD066868.D
 Acq: 25 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
88	100		
43	243.3	27.7	41.5#
58	169.4	55.5	83.3#

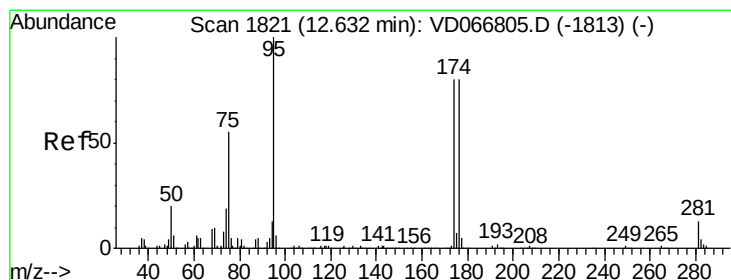
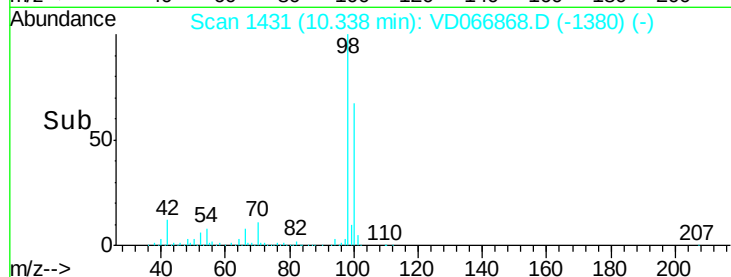
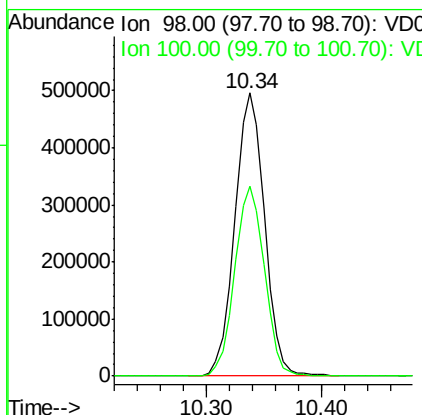
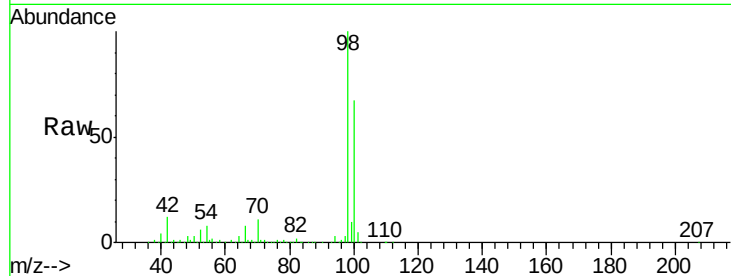




#50
Toluene-d8
Concen: 54.705 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066868.D
Acq: 25 Sep 2020 12:31

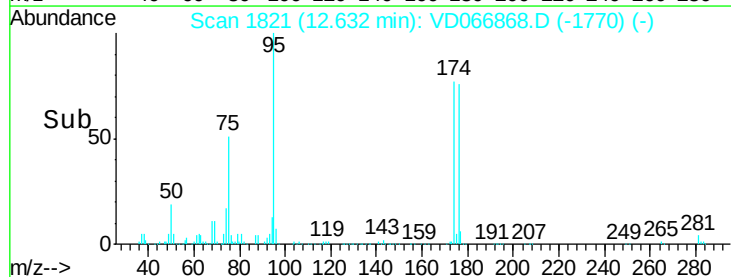
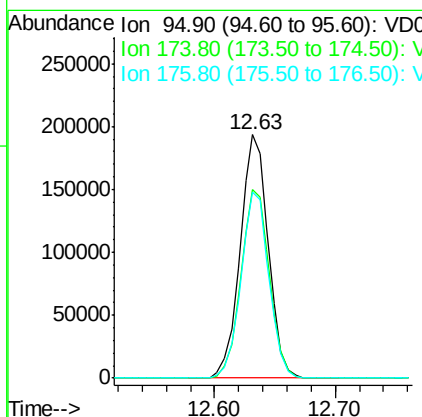
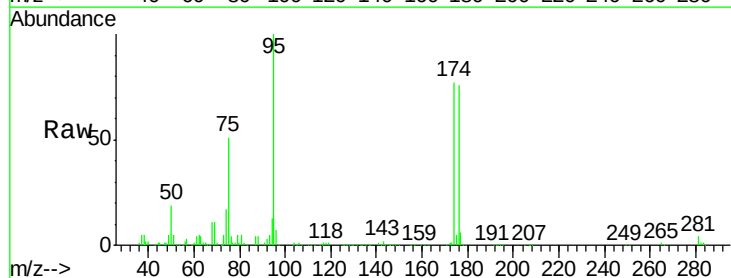
Instrument :
MSVOA_D
ClientSampleId :
CTB-WEST-SOIL-(MERL)

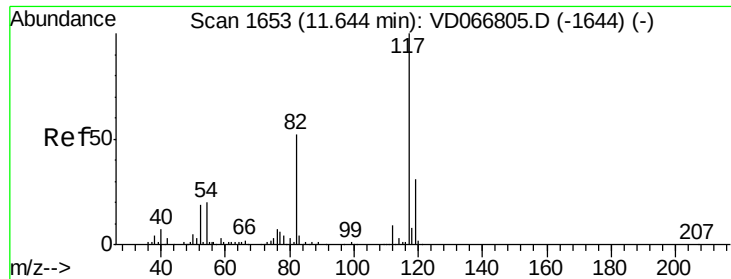
Tgt Ion: 98 Resp: 884630
Ion Ratio Lower Upper
98 100
100 67.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 56.402 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066868.D
Acq: 25 Sep 2020 12:31

Tgt Ion: 95 Resp: 312231
Ion Ratio Lower Upper
95 100
174 78.8 0.0 159.8
176 76.3 0.0 154.4

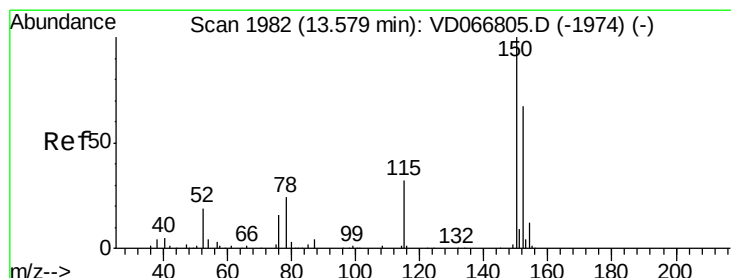
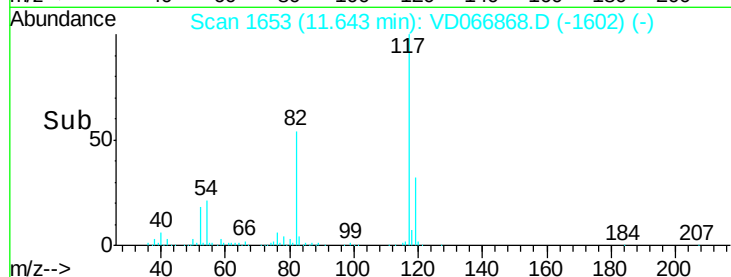
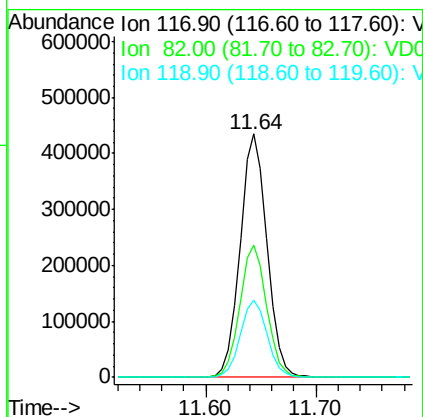
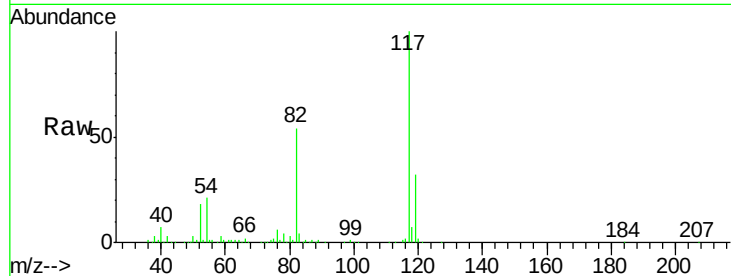




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066868.D
Acq: 25 Sep 2020 12:31

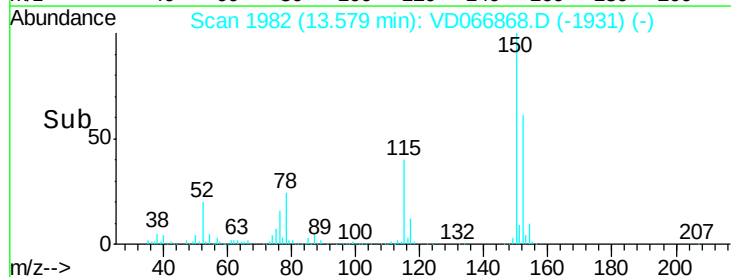
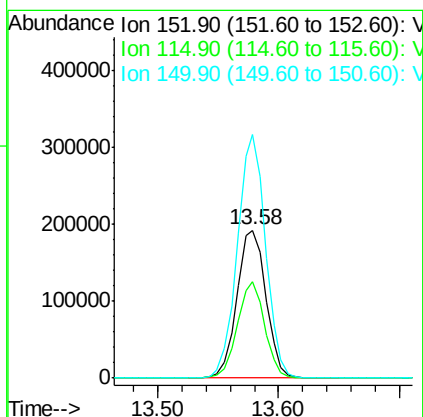
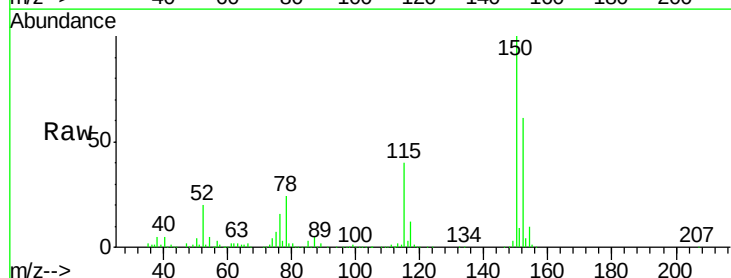
Instrument :
MSVOA_D
ClientSampleId :
CTB-WEST-SOIL-(MERL)

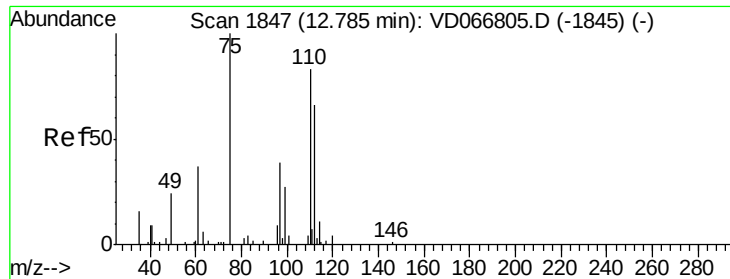
Tgt Ion:117 Resp: 743015
Ion Ratio Lower Upper
117 100
82 54.2 41.8 62.6
119 31.9 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066868.D
Acq: 25 Sep 2020 12:31

Tgt Ion:152 Resp: 322479
Ion Ratio Lower Upper
152 100
115 61.6 30.3 91.0
150 159.4 0.0 346.2

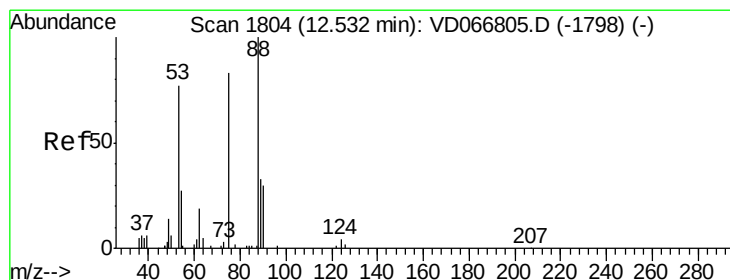
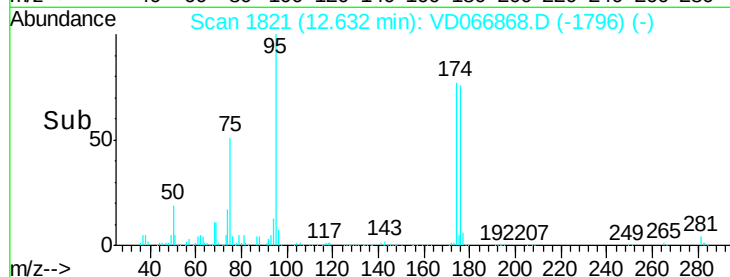
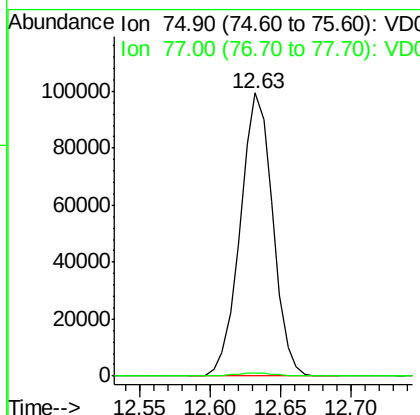
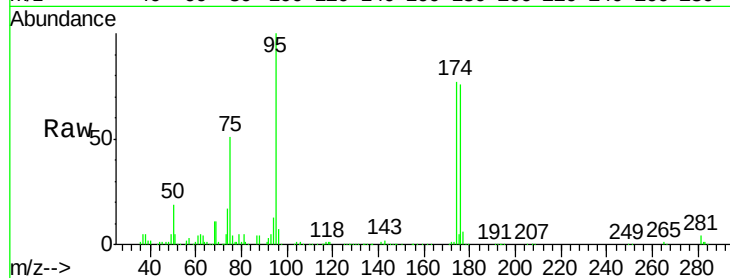




#76
 1,2,3-Trichloropropane
 Concen: 59.972 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066868.D
 Acq: 25 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 CTB-WEST-SOIL-(MERL)

Tgt Ion: 75 Resp: 160272
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 150.044 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066868.D
 Acq: 25 Sep 2020 12:31

Tgt Ion: 75 Resp: 160272
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.1 38.1 57.1#

