

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066869.D
 Acq On : 25 Sep 2020 12:58
 Operator : VA/SY
 Sample : L4152-04
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WR-PILE-1-2

Quant Time: Sep 26 03:00:32 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	401310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	714264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	715523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	327124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	207613	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
35) Dibromofluoromethane	7.91	113	226169	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	10.34	98	861461	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	
62) 4-Bromofluorobenzene	12.63	95	310356	58.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.10%	

Target Compounds

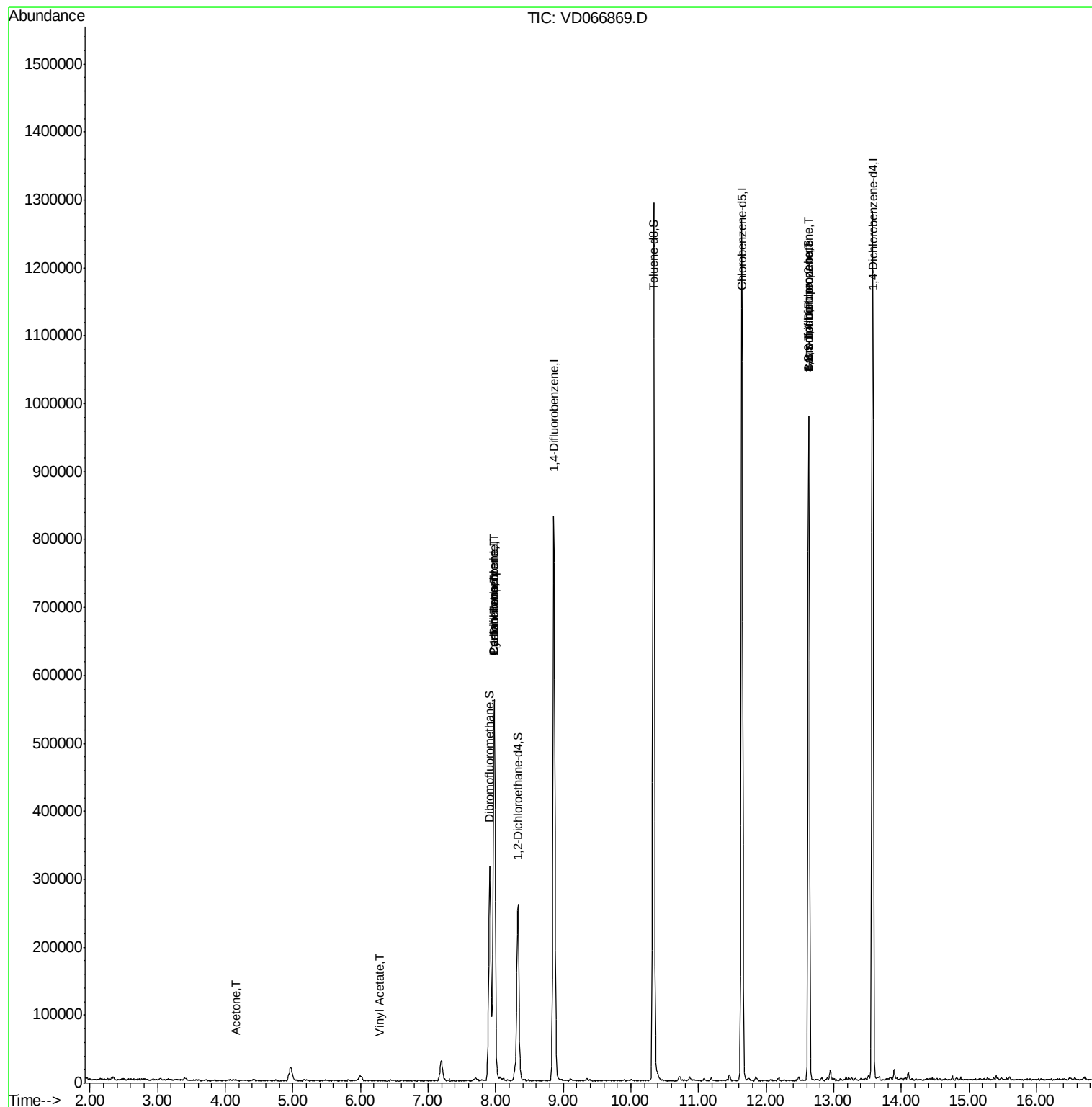
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	1091	Below Cal		81
11) Tert butyl alcohol	5.19	59	1105	Below Cal	#	72
16) Acetone	4.16	43	1814	2.177 ug/l	#	43
18) Methyl Acetate	4.80	43	110	Below Cal	#	50
20) Methylene Chloride	4.96	84	16050	Below Cal		89
23) Vinyl Acetate	6.30	43	60	2.681 ug/l	#	71
31) Cyclohexane	7.98	56	10108	1.415 ug/l	#	35
36) 1,1-Dichloropropene	7.98	75	33885	4.782 ug/l	#	50
38) Carbon Tetrachloride	7.98	117	41556	5.364 ug/l	#	18
49) 1,4-Dioxane	9.44	88	90	Below Cal	#	11
71) Bromoform	12.63	173	2903	1.017 ug/l	#	1
76) 1,2,3-Trichloropropane	12.63	75	160808	59.318 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.63	75	160808	148.409 ug/l	#	10

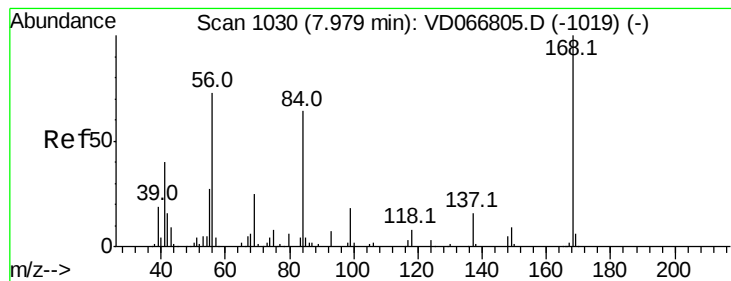
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066869.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

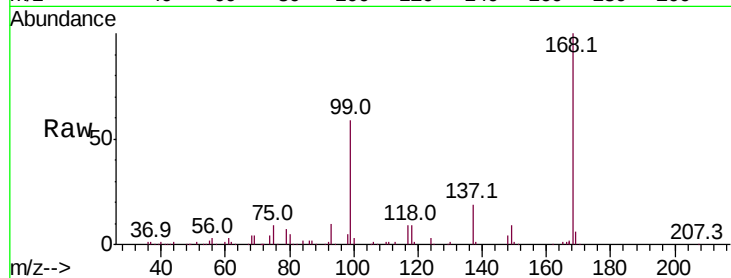
WR-PILE-1-2

Tot Ion:168 Resp: 401310

Ion Ratio Lower Upper

168 100

99 58.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

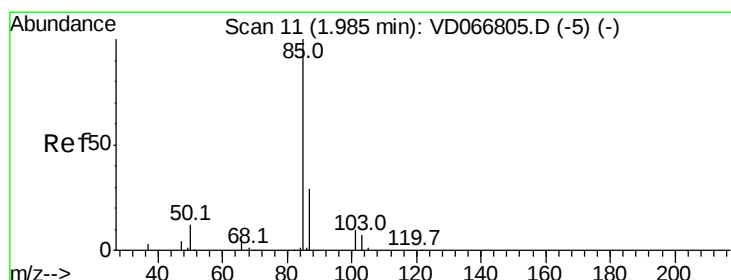
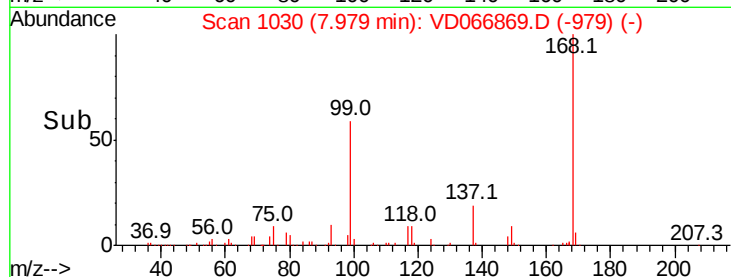
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066869.D

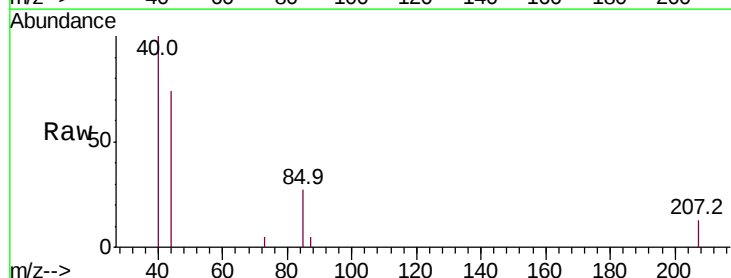
Acq: 25 Sep 2020 12:58

Tgt Ion: 85 Resp: 1091

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

2.00

1000

800

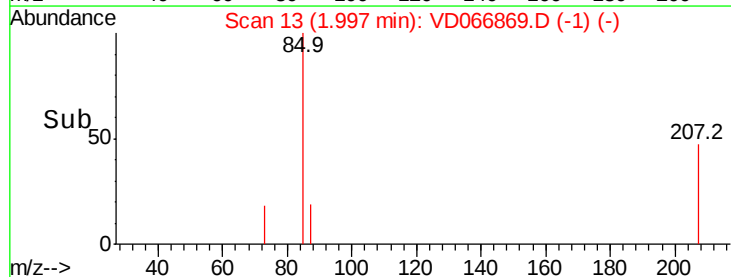
600

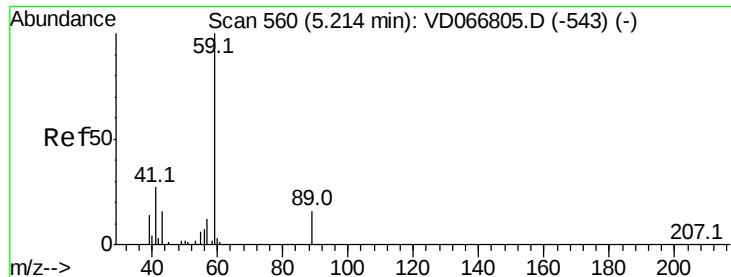
400

200

0

Time-->



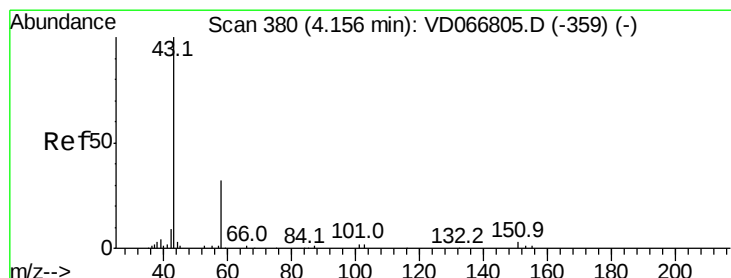
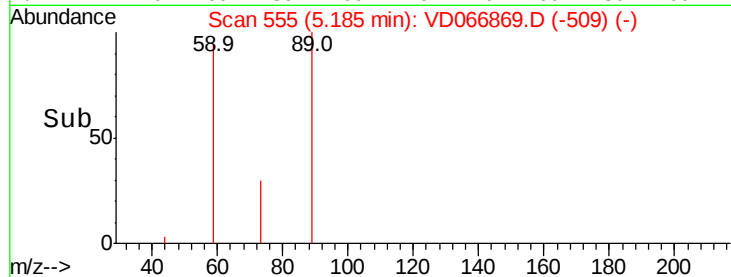
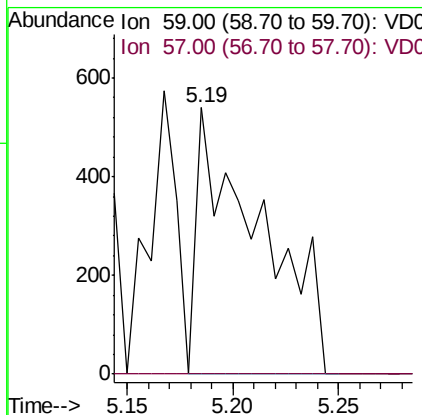
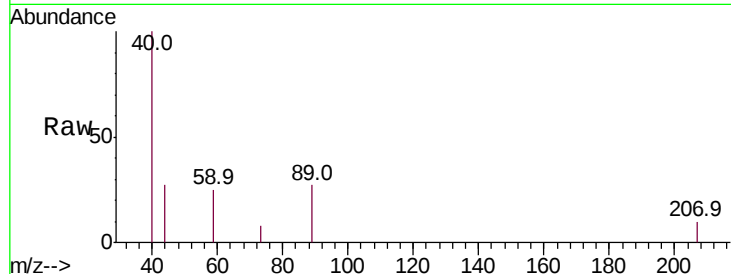


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 555
 Delta R.T. -0.03 min
 Lab File: VD066869.D
 Acq: 25 Sep 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 WR-PILE-1-2

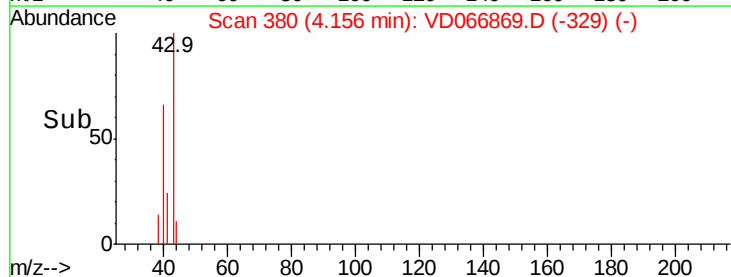
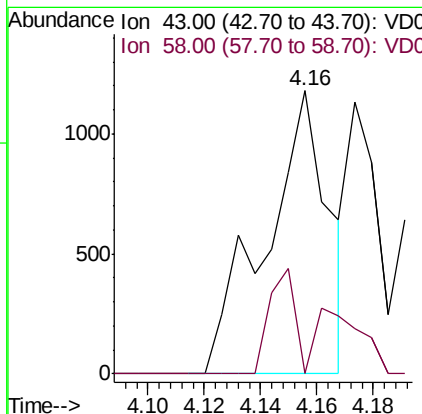
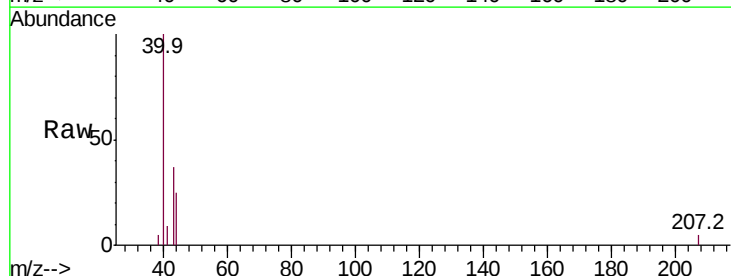
Tot Ion: 59 Resp: 1105
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

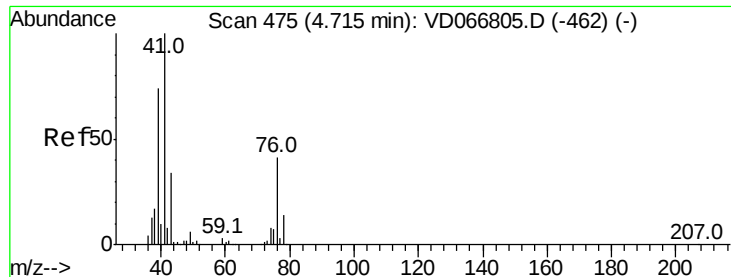


#16

Acetone
 Concen: 2.177 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066869.D
 Acq: 25 Sep 2020 12:58

Tgt Ion: 43 Resp: 1814
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.6 38.4#

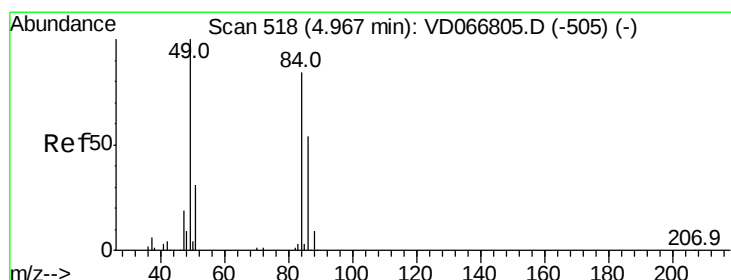
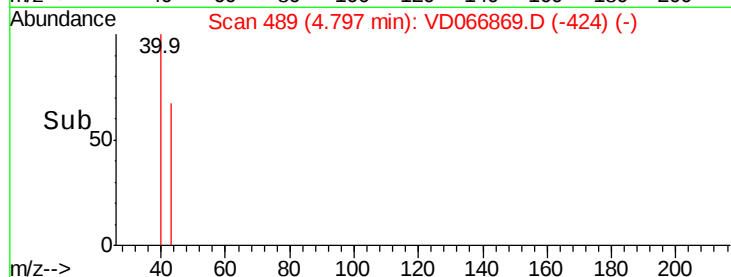
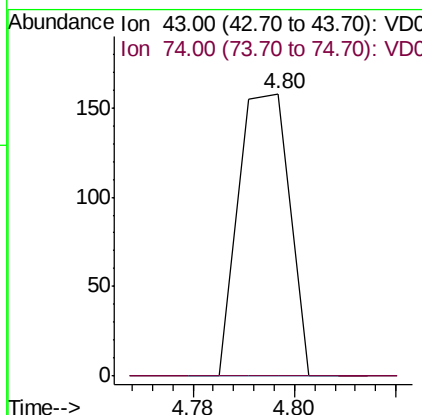
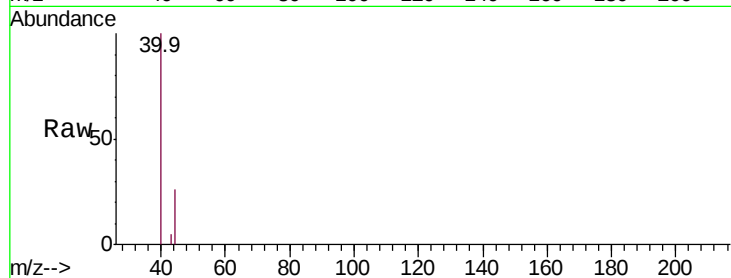




#18
Methyl Acetate
Concen: Below Cal
RT: 4.80 min Scan# 489
Delta R.T. 0.08 min
Lab File: VD066869.D
Acq: 25 Sep 2020 12:58

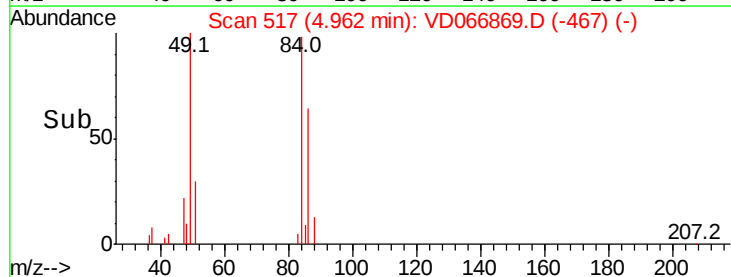
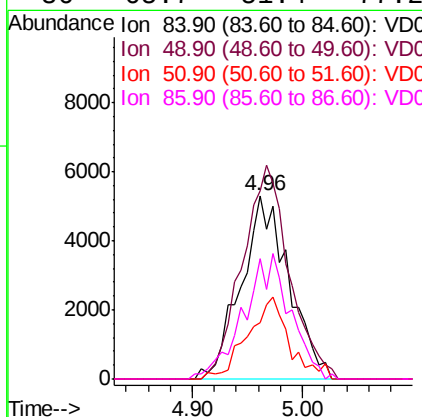
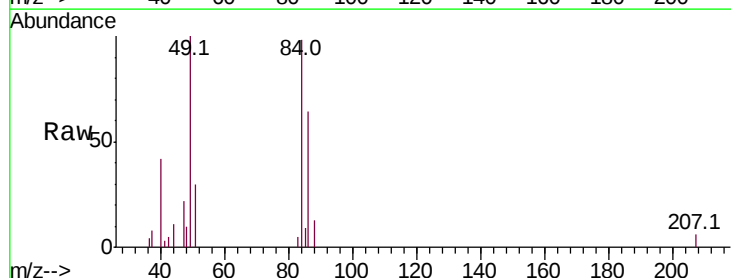
Instrument :
MSVOA_D
ClientSampleId :
WR-PILE-1-2

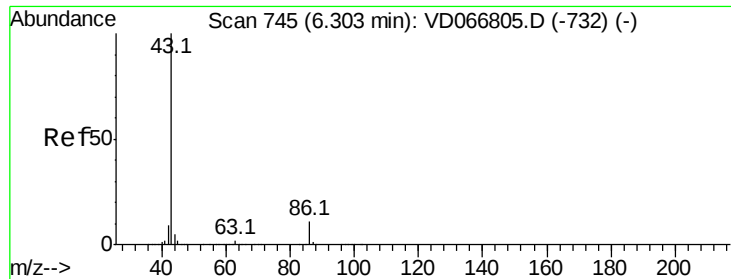
Tot Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066869.D
Acq: 25 Sep 2020 12:58

Tgt Ion: 84 Resp: 16050
Ion Ratio Lower Upper
84 100
49 102.3 95.4 143.2
51 30.9 29.7 44.5
86 65.7 51.4 77.2





#23

Vinyl Acetate

Concen: 2.681 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066869.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

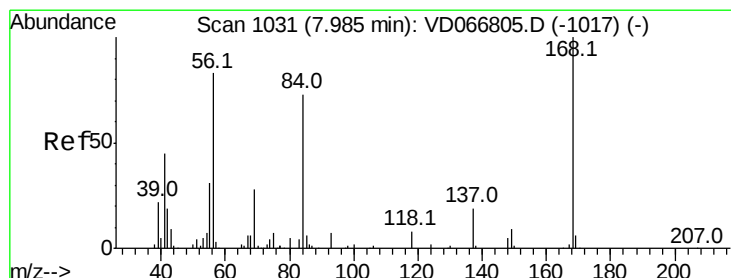
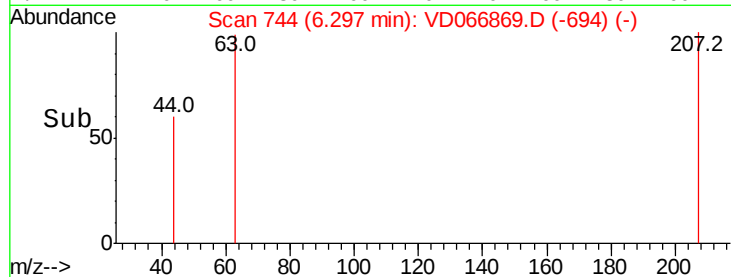
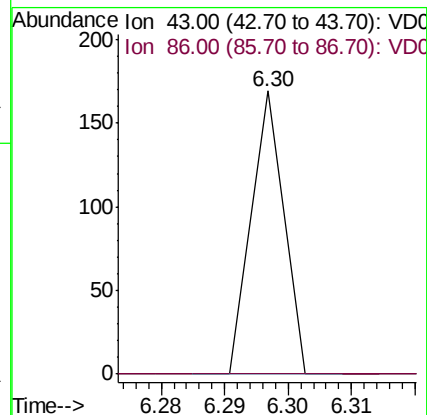
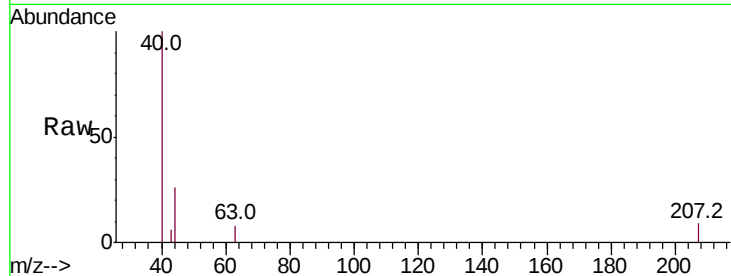
WR-PILE-1-2

Tot Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

86 0.0 8.9 13.3#



#31

Cyclohexane

Concen: 1.415 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066869.D

Acq: 25 Sep 2020 12:58

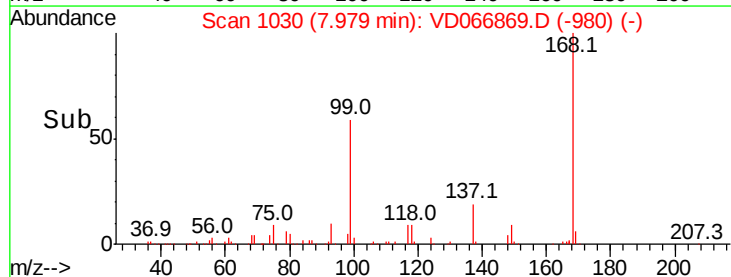
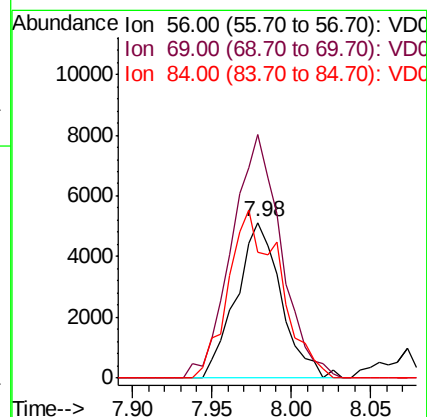
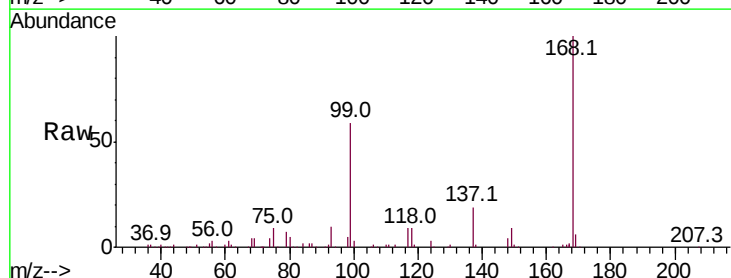
Tgt Ion: 56 Resp: 10108

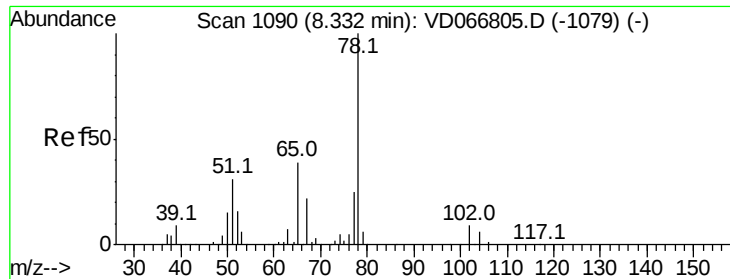
Ion Ratio Lower Upper

56 100

69 156.7 27.0 40.4#

84 81.2 70.2 105.4

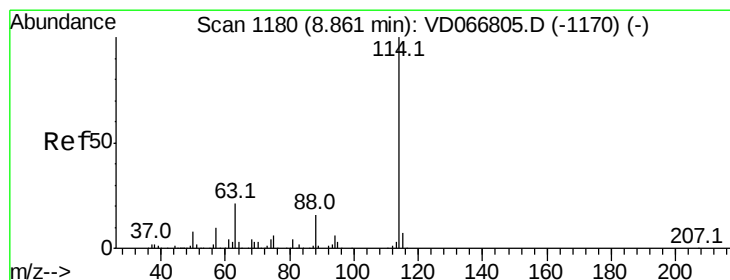
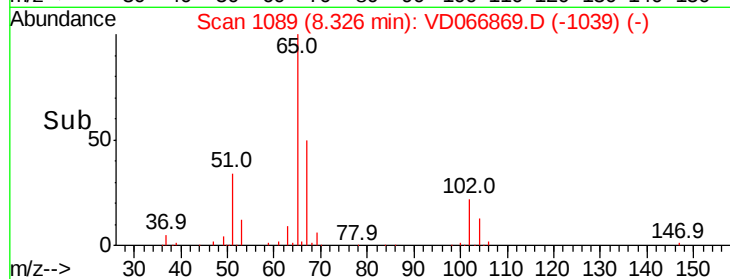
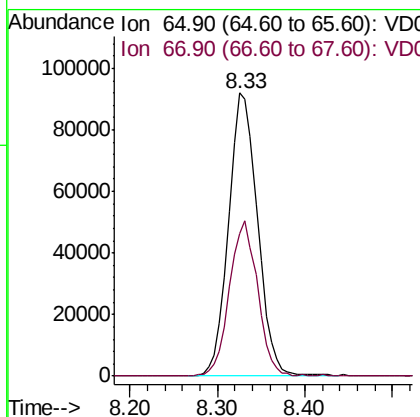
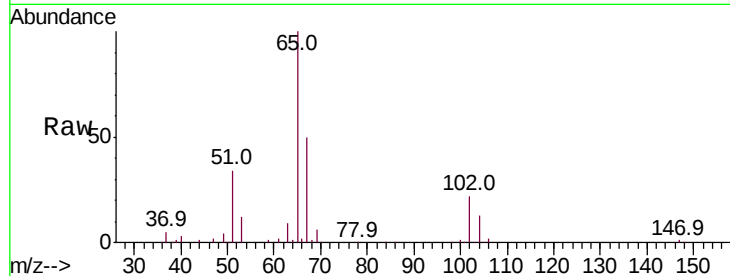




#33
 1,2-Dichloroethane-d4
 Concen: 52.857 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066869.D
 Acq: 25 Sep 2020 12:58

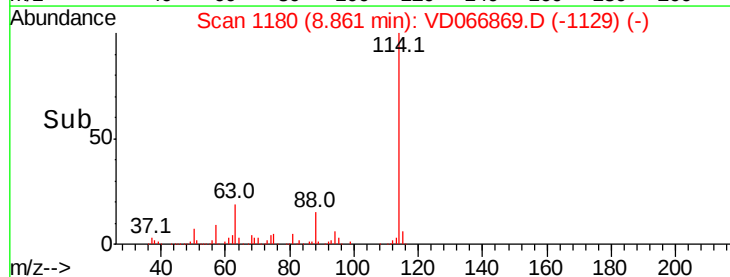
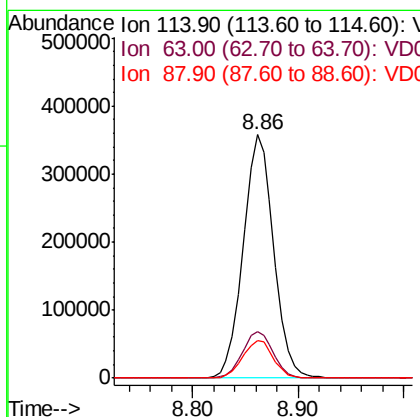
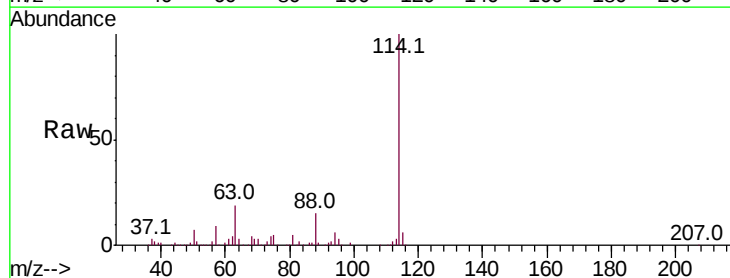
Instrument :
 MSVOA_D
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 WR-PILE-1-2

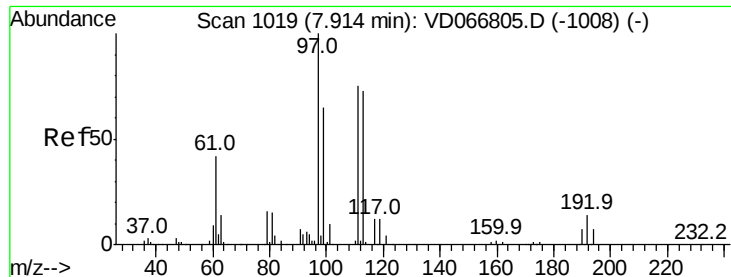
Tot Ion: 65 Resp: 207613
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066869.D
 Acq: 25 Sep 2020 12:58

Tgt Ion: 114 Resp: 714264
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.6
 88 15.3 0.0 32.6

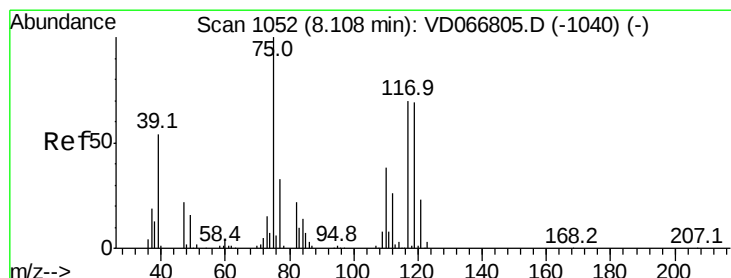
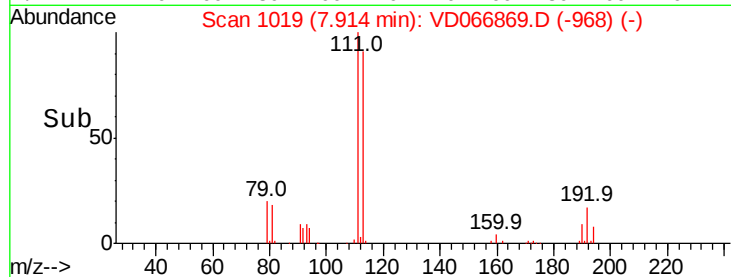
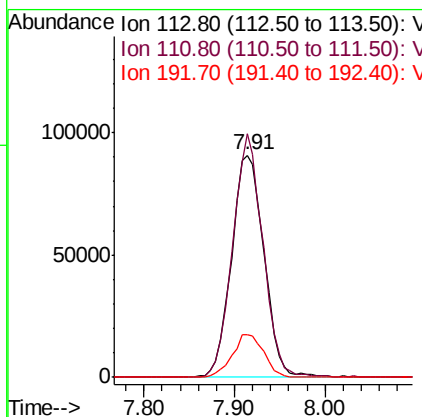
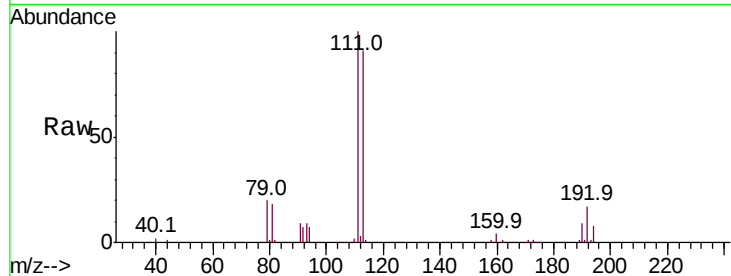




#35
 Dibromofluoromethane
 Concen: 49.772 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066869.D
 Acq: 25 Sep 2020 12:58

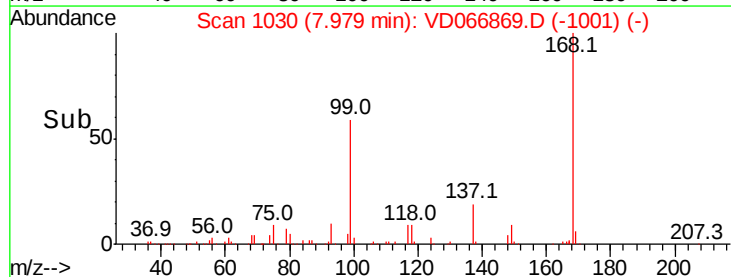
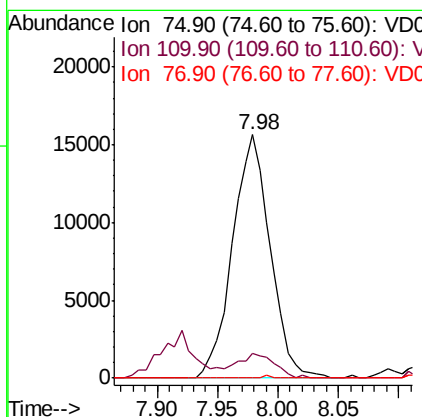
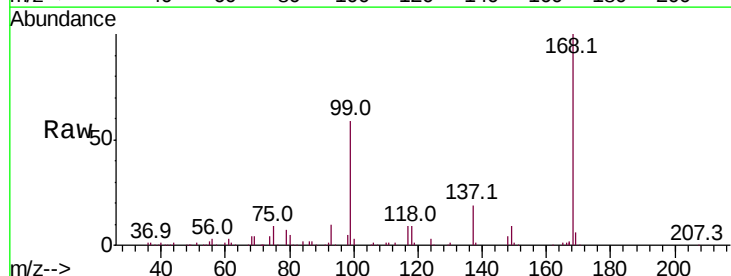
Instrument :
 MSVOA_D
 ClientSampleId :
 WR-PILE-1-2

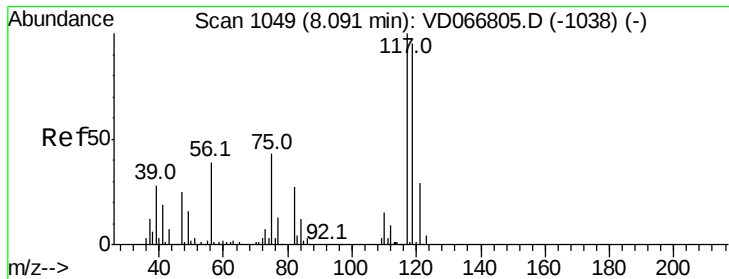
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.8
192	18.8	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 4.782 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066869.D
 Acq: 25 Sep 2020 12:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.9	53.8#
77	0.2	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.364 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD066869.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

WR-PILE-1-2

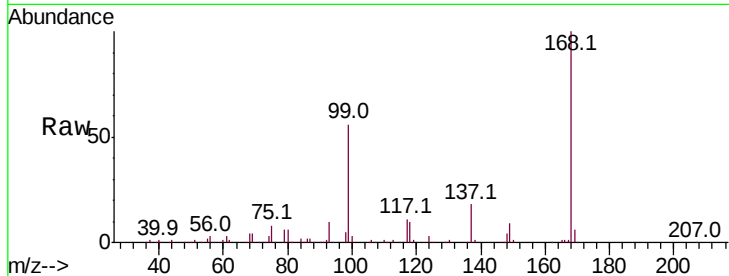
Tot Ion:117 Resp: 41556

Ion Ratio Lower Upper

117 100

119 7.0 75.8 113.8#

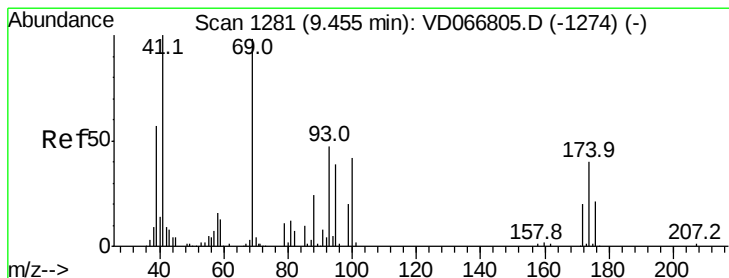
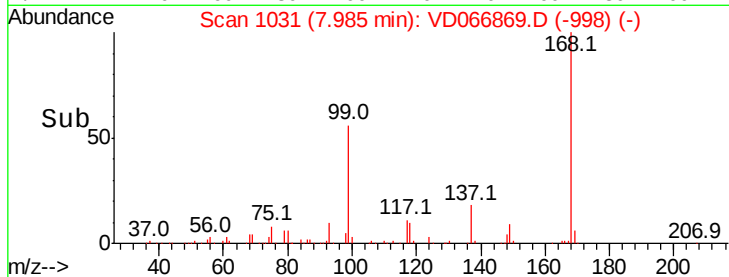
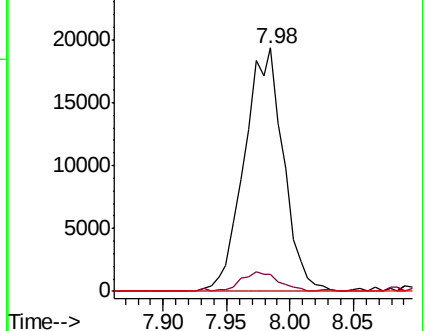
121 0.0 23.4 35.0#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.44 min Scan# 1279

Delta R.T. -0.01 min

Lab File: VD066869.D

Acq: 25 Sep 2020 12:58

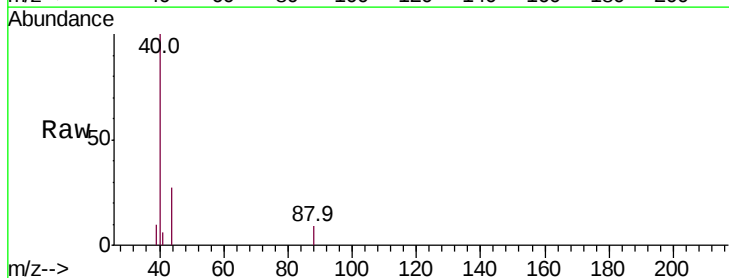
Tgt Ion: 88 Resp: 90

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

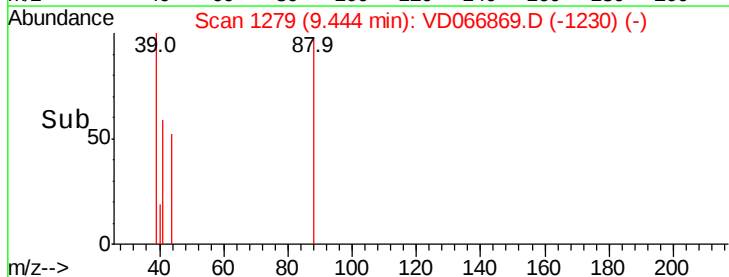
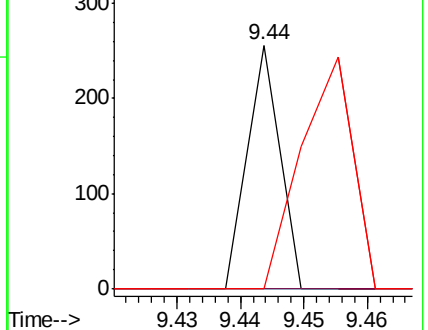
58 154.4 55.5 83.3#

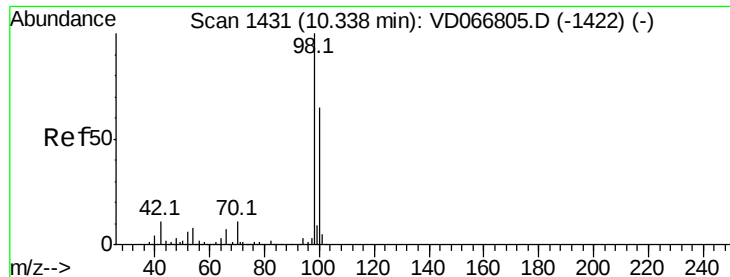


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 55.640 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066869.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

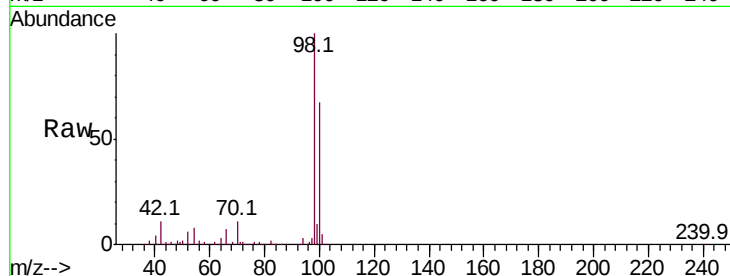
WR-PILE-1-2

Tot Ion: 98 Resp: 861461

Ion Ratio Lower Upper

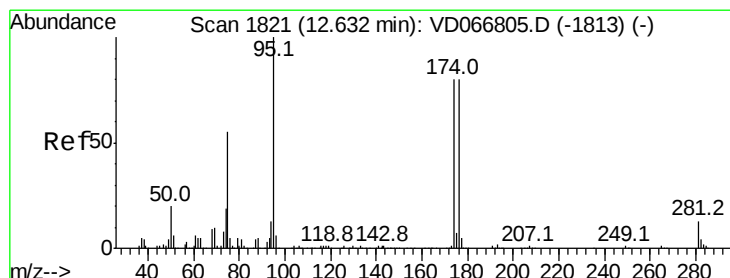
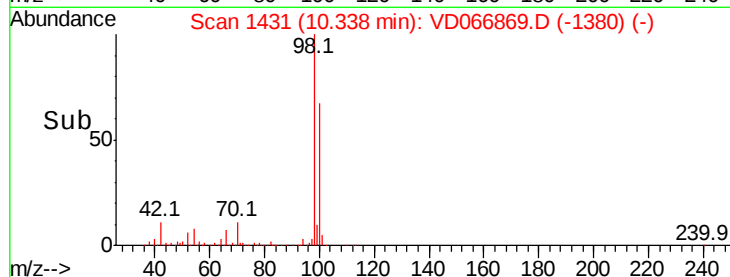
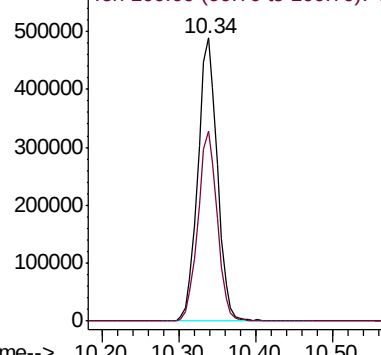
98 100

100 66.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 58.555 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066869.D

Acq: 25 Sep 2020 12:58

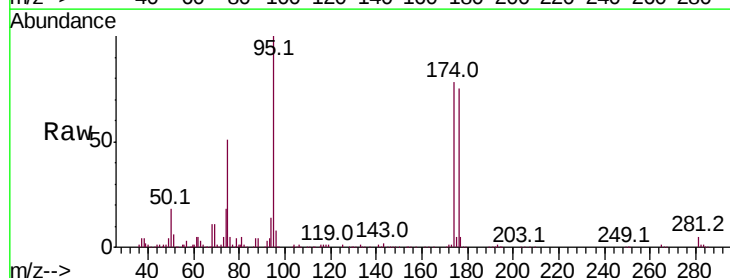
Tgt Ion: 95 Resp: 310356

Ion Ratio Lower Upper

95 100

174 78.4 0.0 159.8

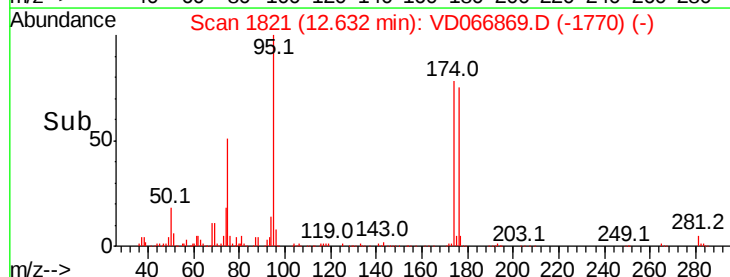
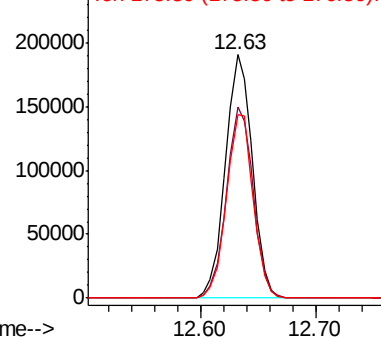
176 75.2 0.0 154.4

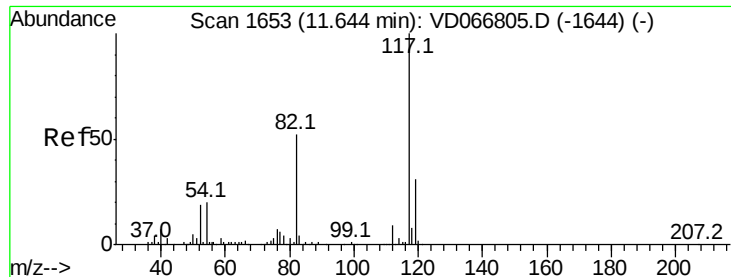


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

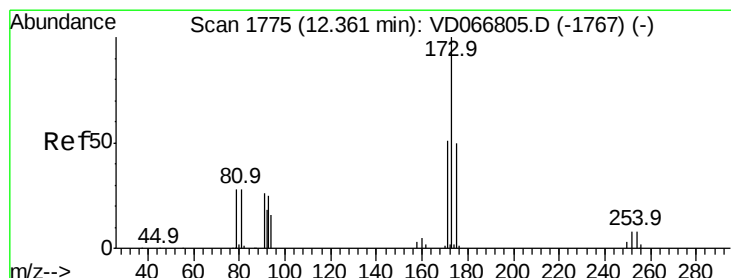
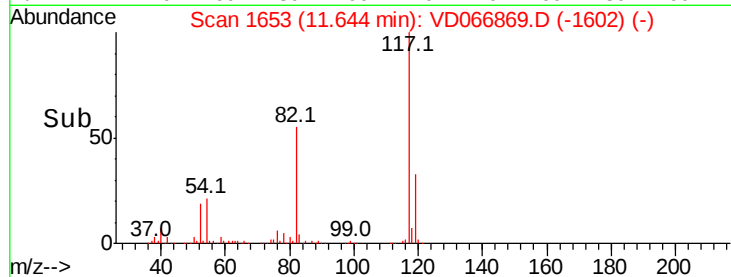
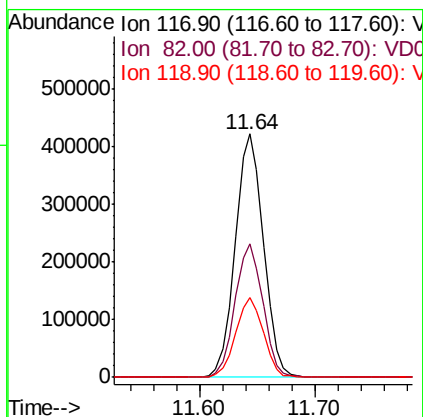
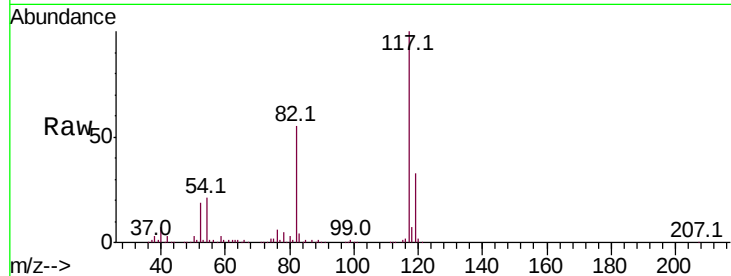




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066869.D
Acq: 25 Sep 2020 12:58

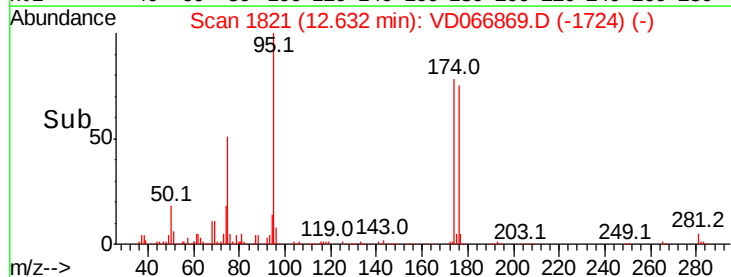
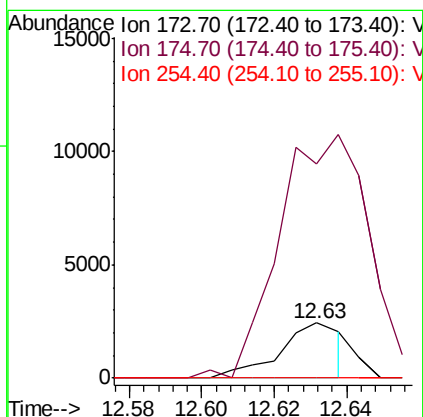
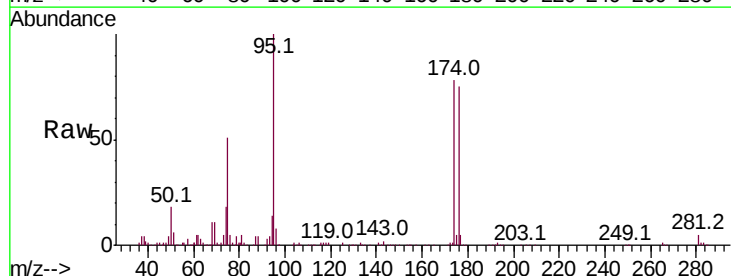
Instrument :
MSVOA_D
ClientSampled :
WR-PILE-1-2

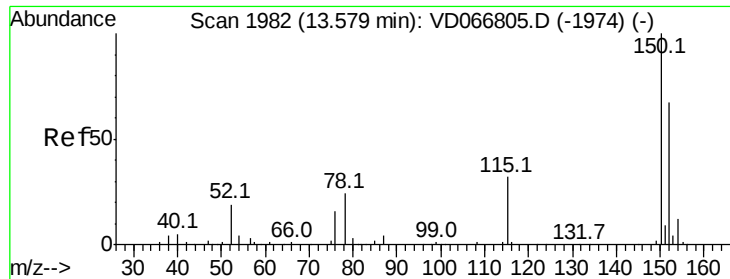
Tot Ion:117 Resp: 715523
Ion Ratio Lower Upper
117 100
82 54.7 41.8 62.6
119 33.0 24.6 37.0



#71
Bromoform
Concen: 1.017 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD066869.D
Acq: 25 Sep 2020 12:58

Tgt Ion:173 Resp: 2903
Ion Ratio Lower Upper
173 100
175 334.8 24.9 74.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066869.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

WR-PILE-1-2

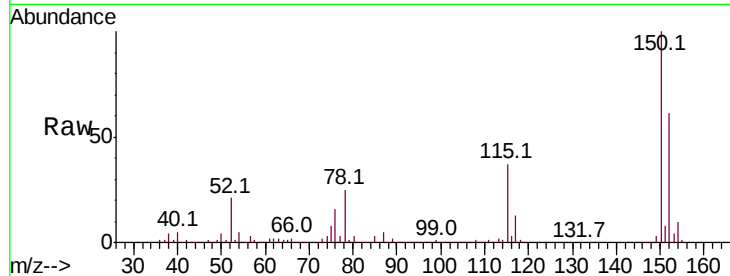
Tot Ion:152 Resp: 327124

Ion Ratio Lower Upper

152 100

115 60.5 30.3 91.0

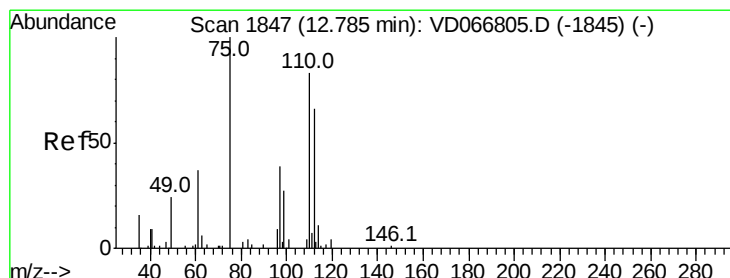
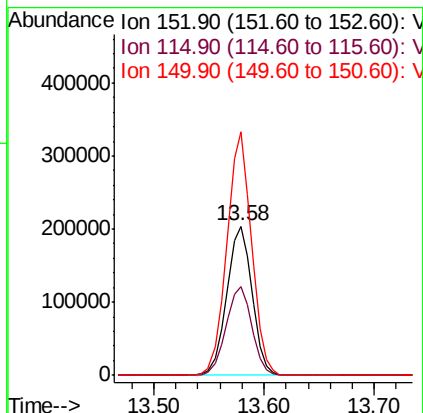
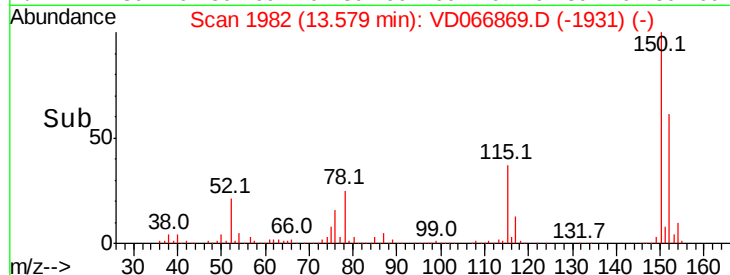
150 158.7 0.0 346.2



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: 59.318 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066869.D

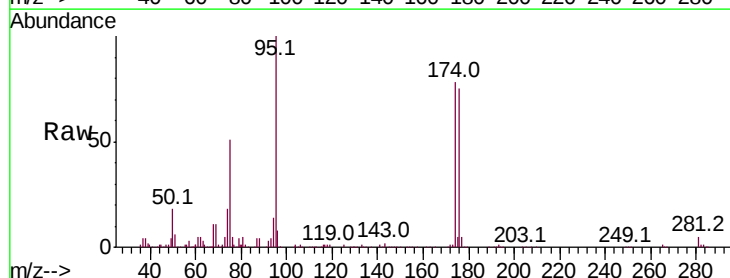
Acq: 25 Sep 2020 12:58

Tgt Ion: 75 Resp: 160808

Ion Ratio Lower Upper

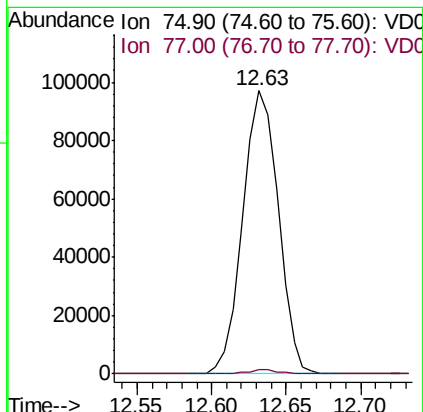
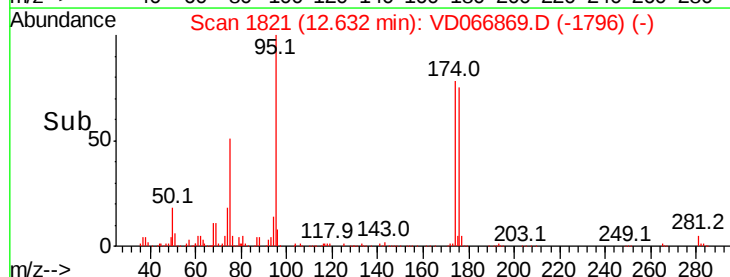
75 100

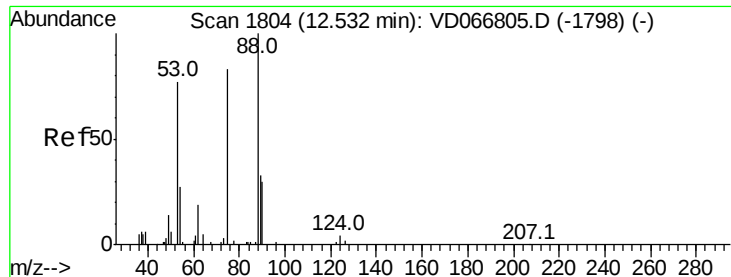
77 1.3 0.0 0.0#



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: 148.409 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066869.D

Acq: 25 Sep 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

WR-PILE-1-2

Tot Ion: 75 Resp: 160808

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.2 38.1 57.1#

