

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066871.D
 Acq On : 25 Sep 2020 13:53
 Operator : VA/SY
 Sample : L4152-06
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WR-PILE-5-7

Quant Time: Sep 26 03:00:49 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	399204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	700628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	694492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	327834	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	204520	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
35) Dibromofluoromethane	7.91	113	214201	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
50) Toluene-d8	10.34	98	852171	56.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.22%	
62) 4-Bromofluorobenzene	12.63	95	300174	57.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.48%	

Target Compounds

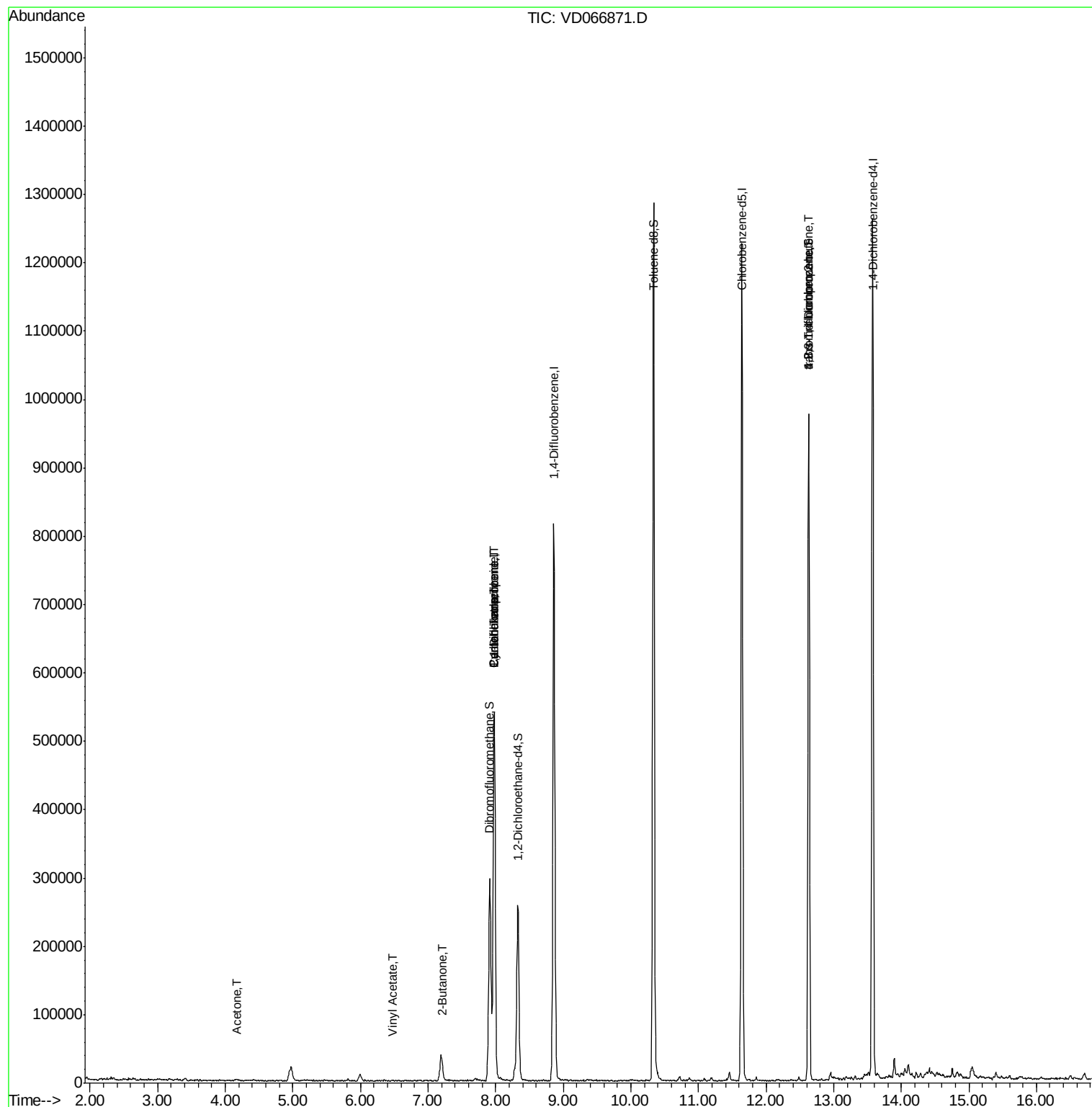
						Qvalue
2) Dichlorodifluoromethane	1.99	85	550	Below Cal		92
11) Tert butyl alcohol	5.20	59	295	Below Cal	#	72
16) Acetone	4.16	43	4175	5.037	ug/l #	68
18) Methyl Acetate	4.90	43	54	Below Cal	#	50
20) Methylene Chloride	4.97	84	16561	Below Cal		96
23) Vinyl Acetate	6.48	43	62	2.681	ug/l #	71
25) 2-Butanone	7.21	43	2252	2.261	ug/l #	46
31) Cyclohexane	7.98	56	9650	1.358	ug/l #	29
36) 1,1-Dichloropropene	7.98	75	31800	4.575	ug/l #	50
38) Carbon Tetrachloride	7.98	117	43822	5.767	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	154916	57.021	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	154916	142.661	ug/l #	10

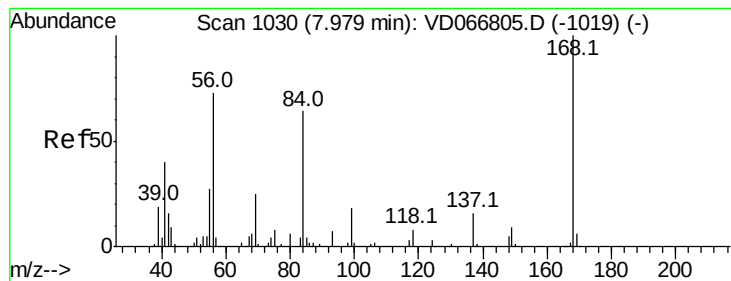
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092520\
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Quant Time: Sep 26 03:00:49 2020
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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: VD066871.D

Acq: 25 Sep 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

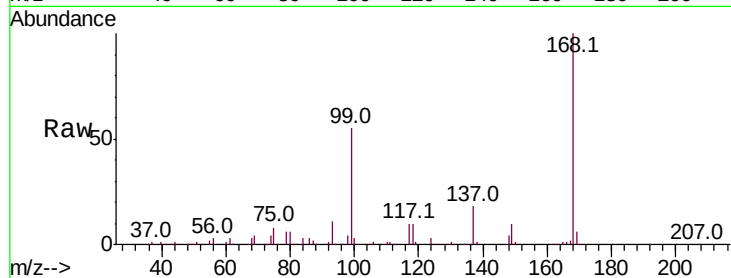
WR-PILE-5-7

Tot Ion:168 Resp: 399204

Ion Ratio Lower Upper

168 100

99 55.2 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

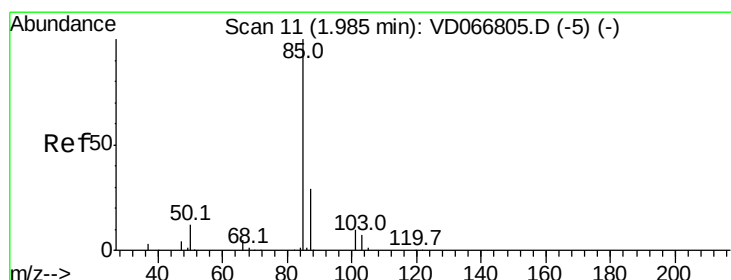
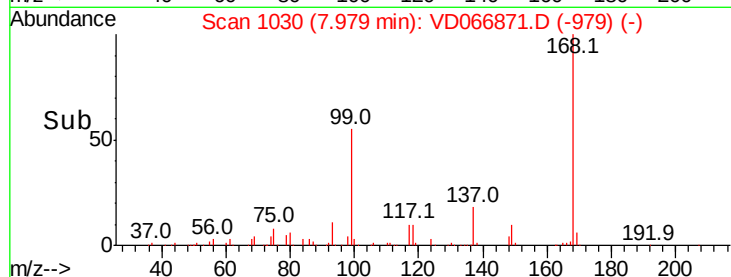
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066871.D

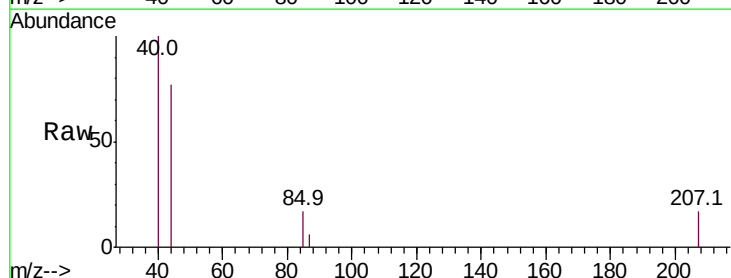
Acq: 25 Sep 2020 13:53

Tgt Ion: 85 Resp: 550

Ion Ratio Lower Upper

85 100

87 33.3 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

600

500

400

300

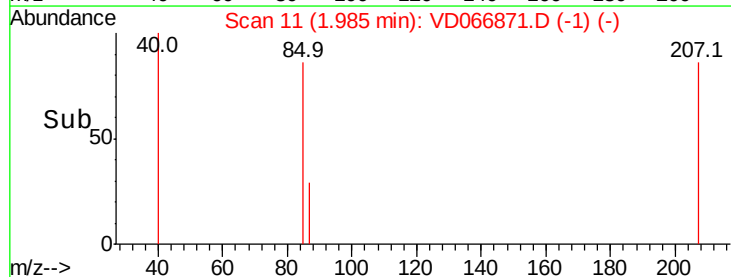
200

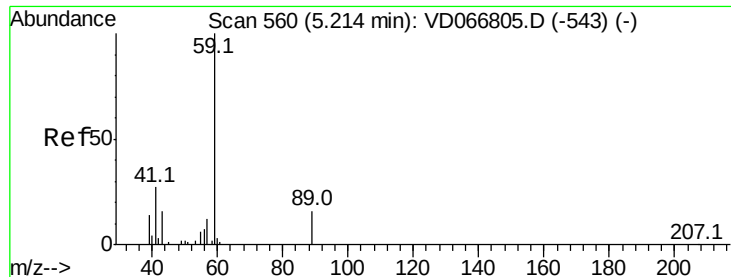
100

0

1.96 1.98 2.00 2.02

Time-->



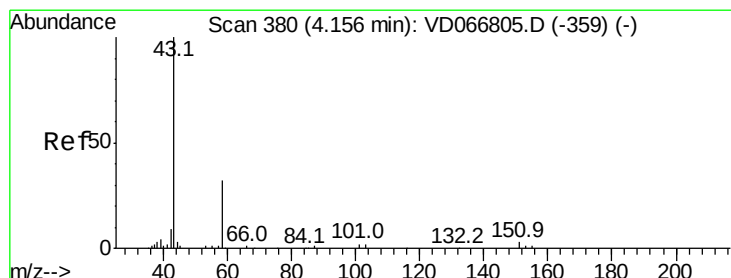
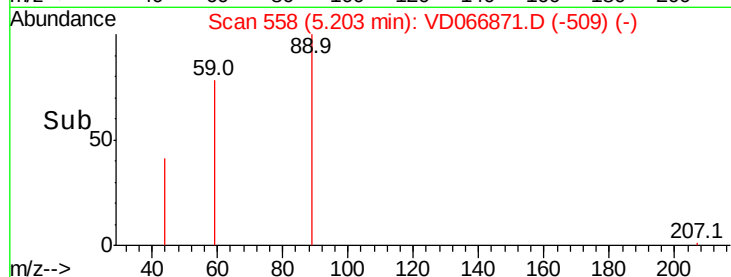
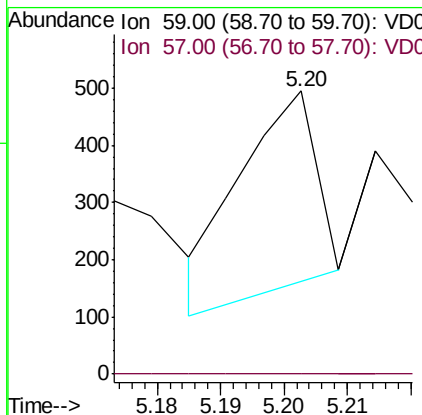
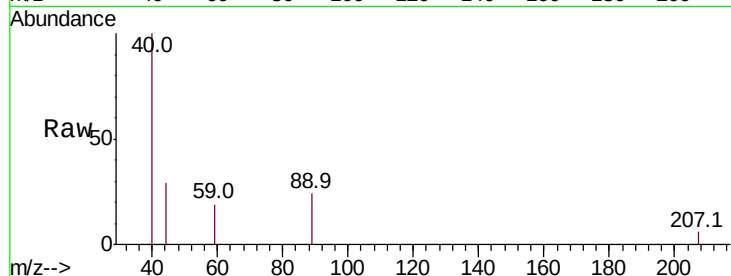


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD066871.D
 Acq: 25 Sep 2020 13:53

Instrument :
 MSVOA_D
 ClientSampleId :
 WR-PILE-5-7

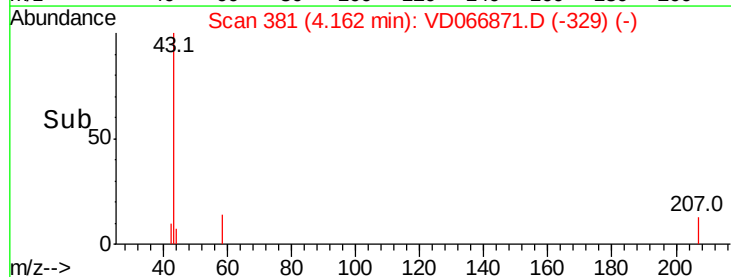
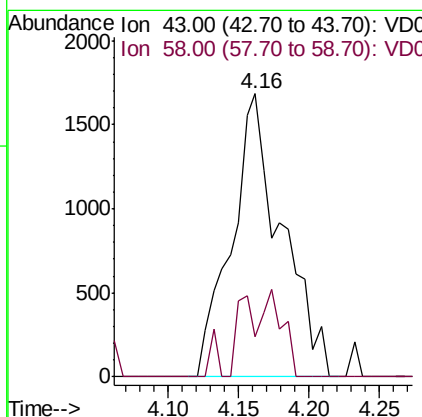
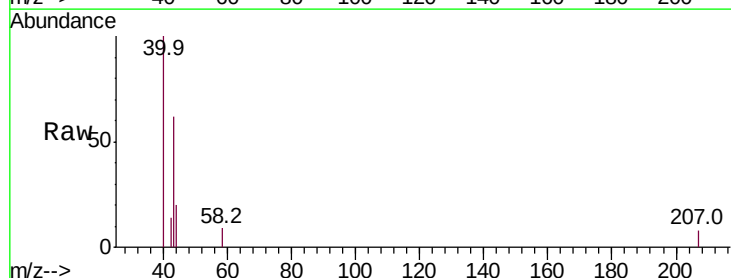
Tot Ion: 59 Resp: 295
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

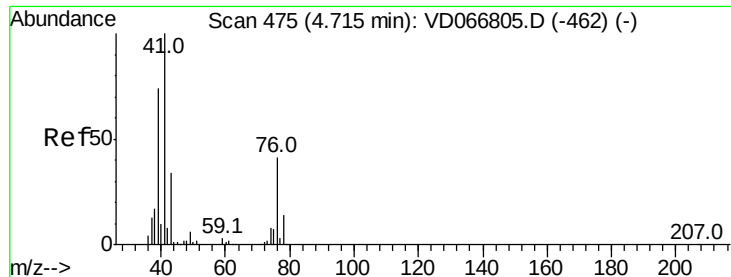


#16

Acetone
 Concen: 5.037 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066871.D
 Acq: 25 Sep 2020 13:53

Tgt Ion: 43 Resp: 4175
 Ion Ratio Lower Upper
 43 100
 58 14.3 25.6 38.4#

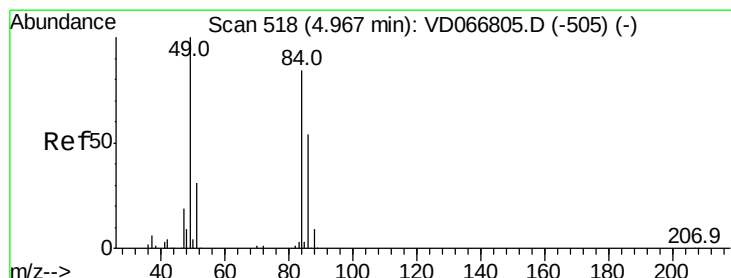
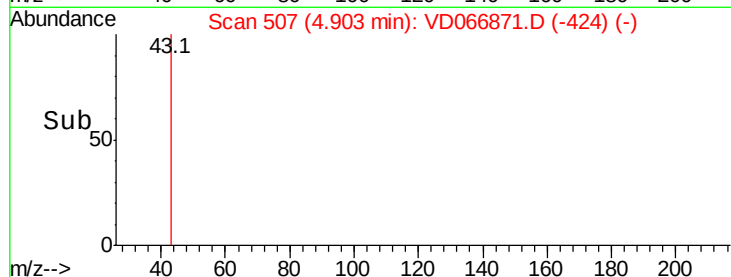
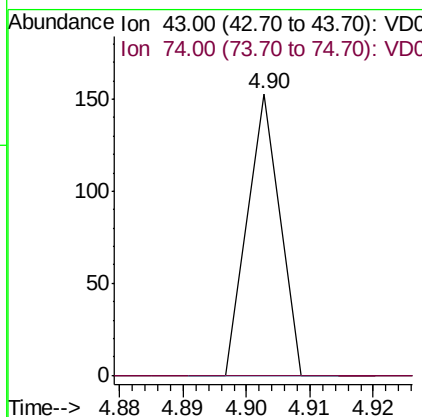
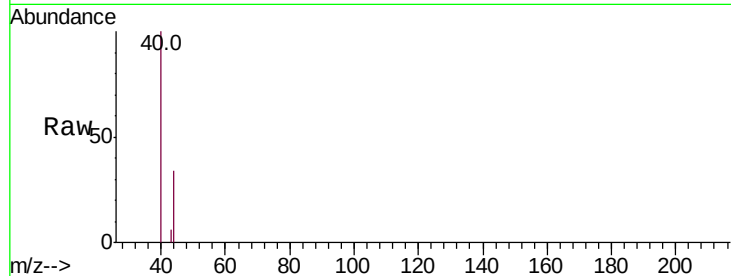




#18
Methyl Acetate
Concen: Below Cal
RT: 4.90 min Scan# 507
Delta R.T. 0.19 min
Lab File: VD066871.D
Acq: 25 Sep 2020 13:53

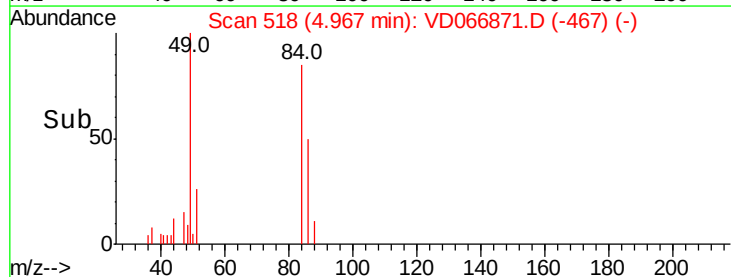
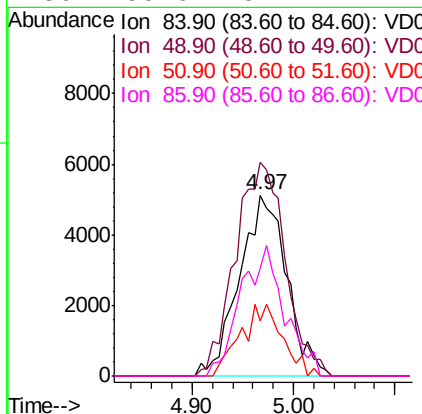
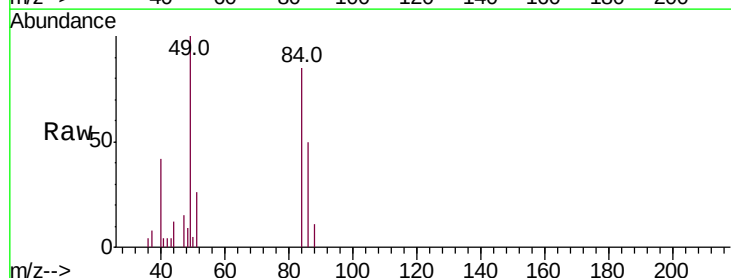
Instrument :
MSVOA_D
ClientSampleId :
WR-PILE-5-7

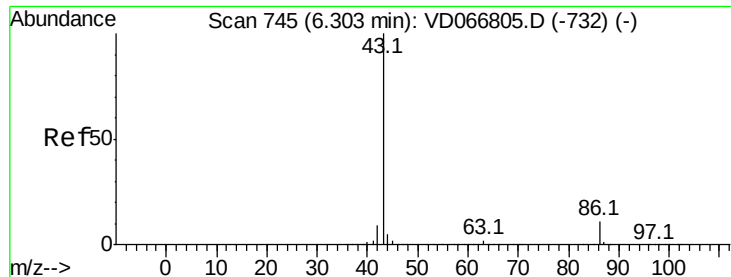
Tot Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066871.D
Acq: 25 Sep 2020 13:53

Tgt Ion: 84 Resp: 16561
Ion Ratio Lower Upper
84 100
49 118.3 95.4 143.2
51 30.8 29.7 44.5
86 59.6 51.4 77.2





#23

Vinyl Acetate

Concen: 2.681 ug/l

RT: 6.48 min Scan# 775

Delta R.T. 0.18 min

Lab File: VD066871.D

Acq: 25 Sep 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

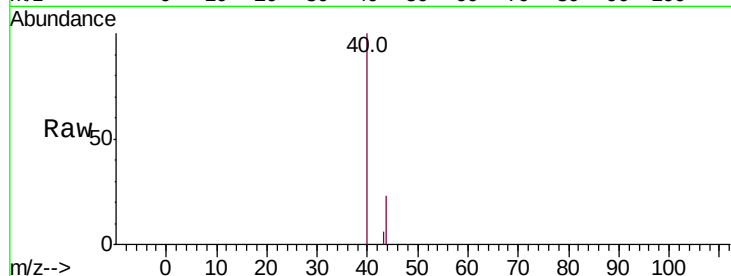
WR-PILE-5-7

Tot Ion: 43 Resp: 62

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

6.48

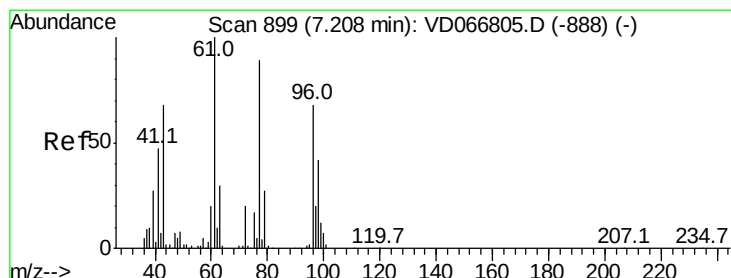
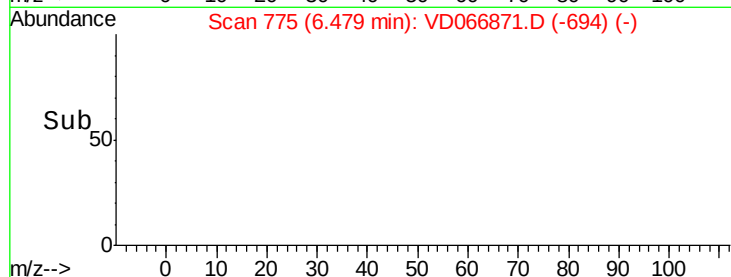
150

100

50

0

Time--> 6.46 6.47 6.48 6.49



#25

2-Butanone

Concen: 2.261 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066871.D

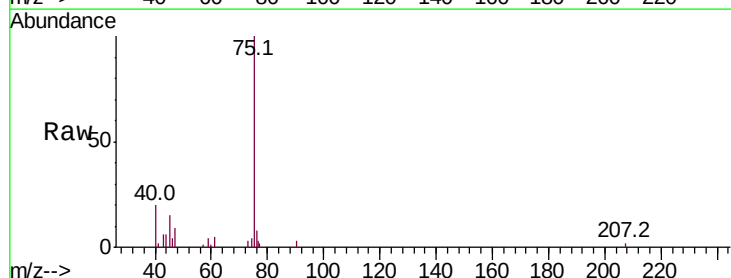
Acq: 25 Sep 2020 13:53

Tgt Ion: 43 Resp: 2252

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

800

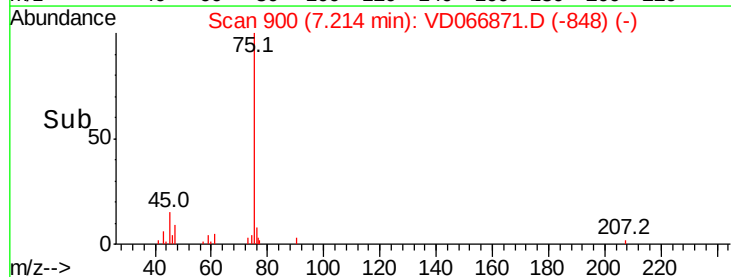
600

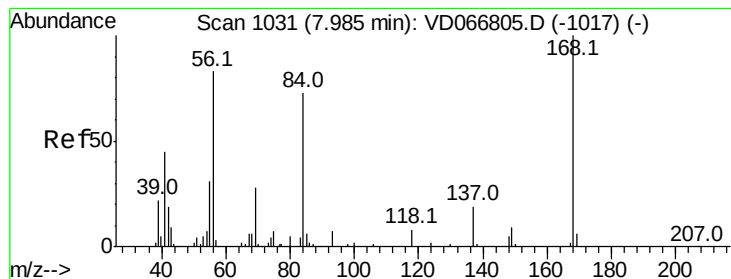
400

200

0

Time--> 7.10 7.15 7.20 7.25





#31

Cyclohexane

Concen: 1.358 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066871.D

Acq: 25 Sep 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

WR-PILE-5-7

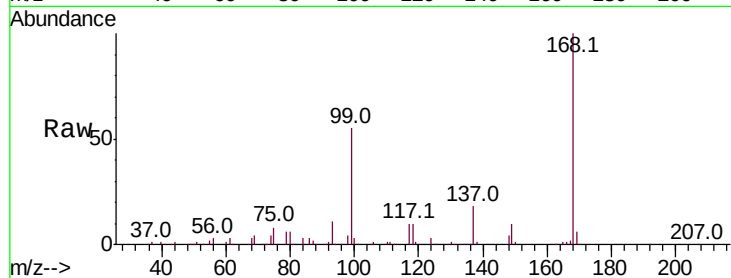
Tot Ion: 56 Resp: 9650

Ion Ratio Lower Upper

56 100

69 144.2 27.0 40.4#

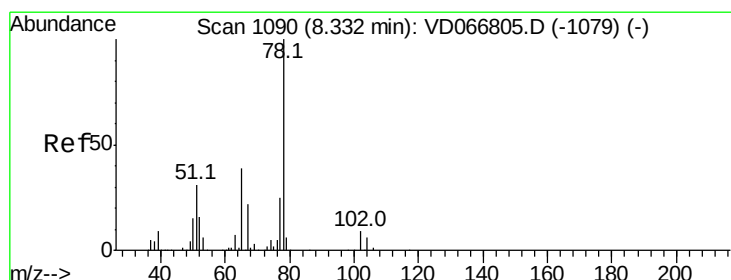
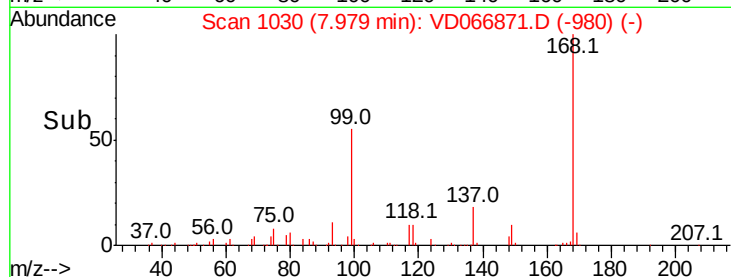
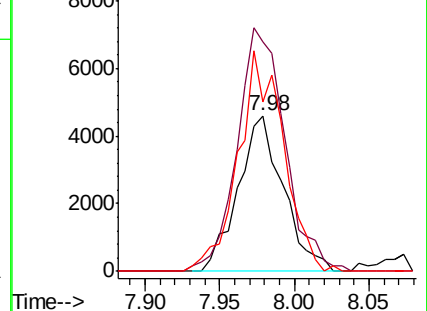
84 109.5 70.2 105.4#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 52.344 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066871.D

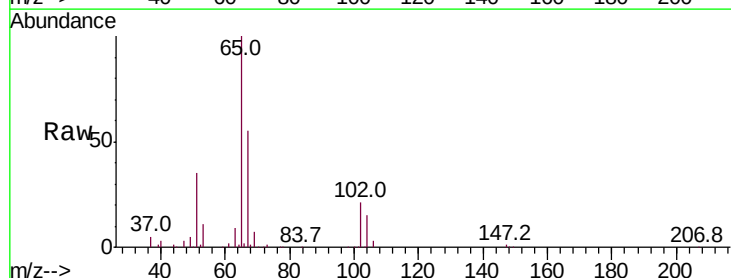
Acq: 25 Sep 2020 13:53

Tgt Ion: 65 Resp: 204520

Ion Ratio Lower Upper

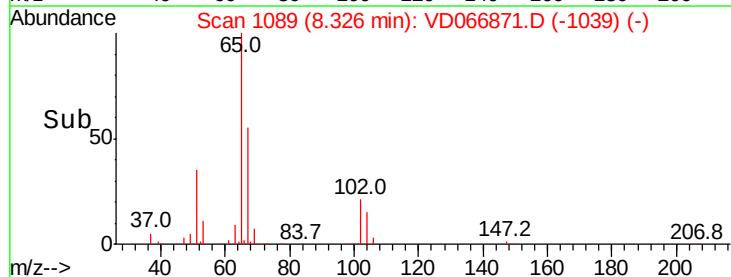
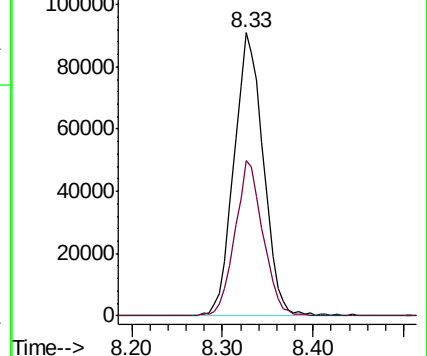
65 100

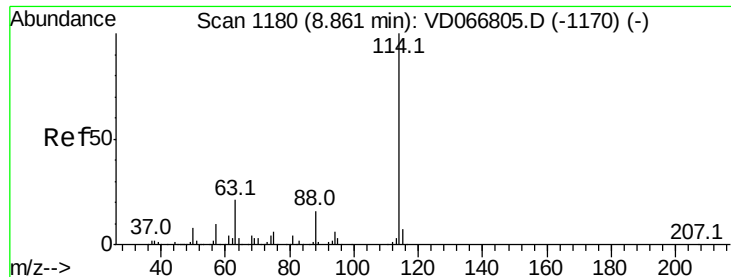
67 52.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

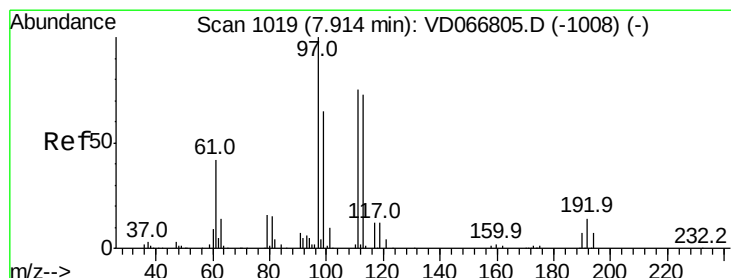
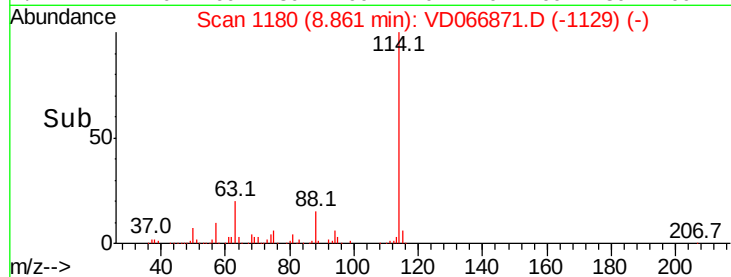
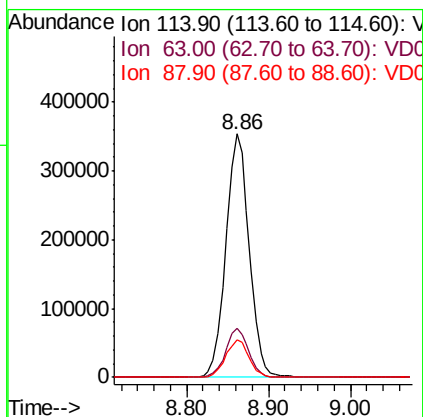
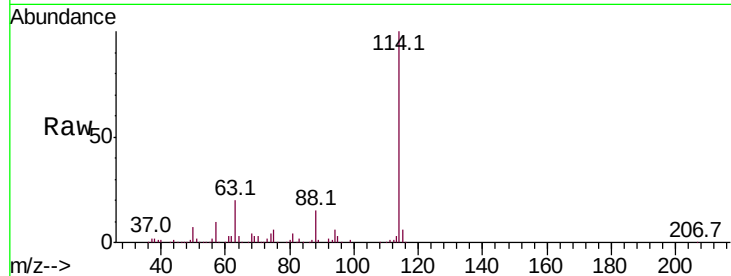




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066871.D
 Acq: 25 Sep 2020 13:53

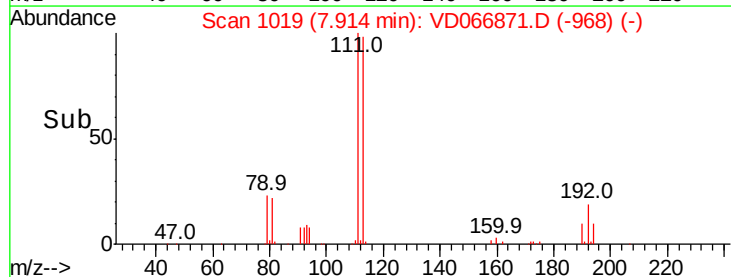
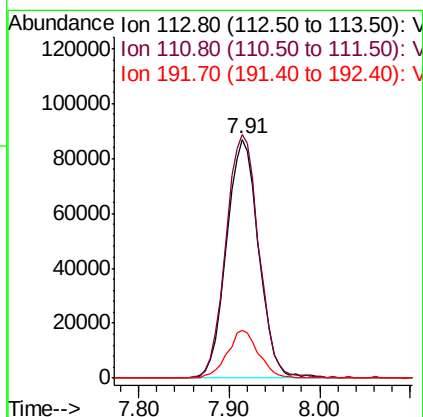
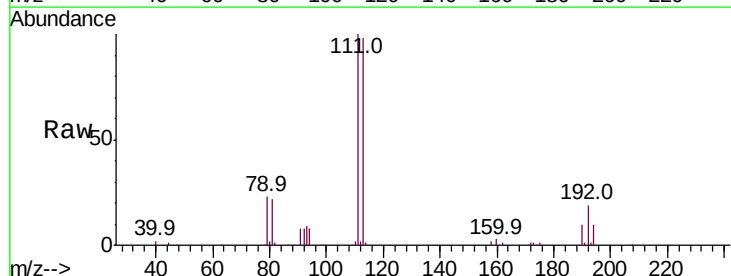
Instrument :
 MSVOA_D
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 WR-PILE-5-7

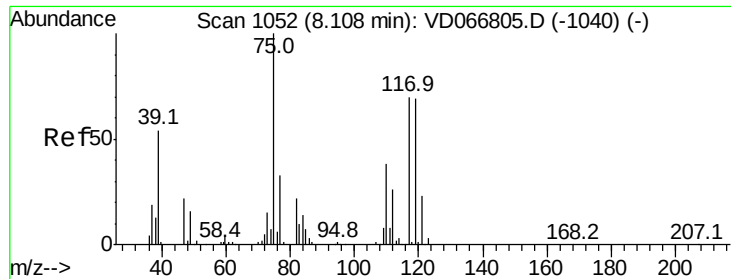
Tot Ion:	114	Resp:	700628
Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	42.6
88	15.4	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 48.055 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066871.D
 Acq: 25 Sep 2020 13:53

Tgt Ion:	113	Resp:	214201
Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.8	122.8
192	19.4	14.4	21.6





#36

1,1-Dichloropropene

Concen: 4.575 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066871.D

Acq: 25 Sep 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

WR-PILE-5-7

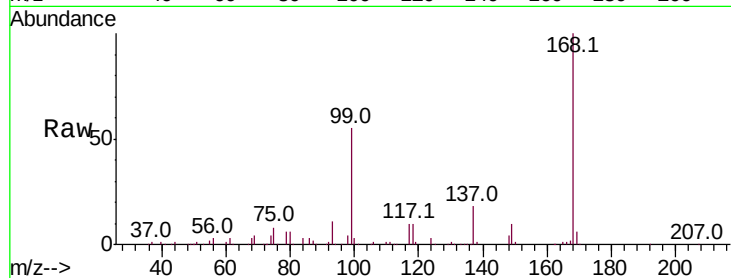
Tot Ion: 75 Resp: 31800

Ion Ratio Lower Upper

75 100

110 10.2 17.9 53.8#

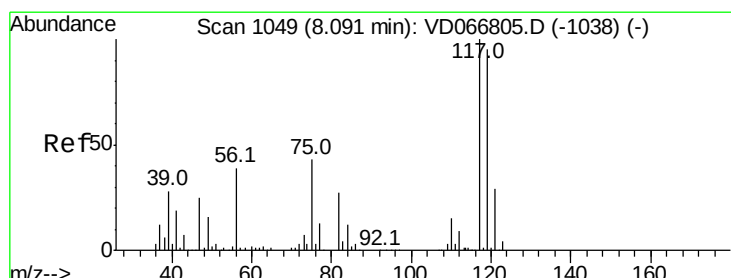
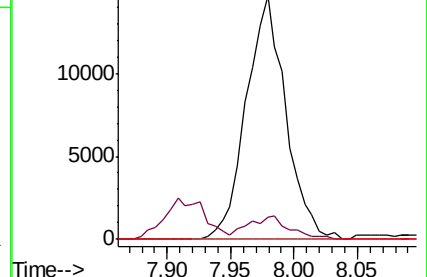
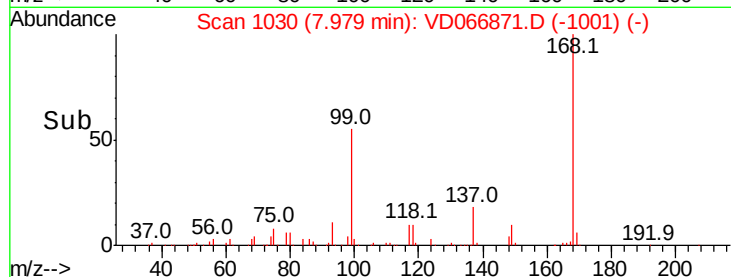
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VD066871.D (-998) (-)

Ion 109.90 (109.60 to 110.60): VD066871.D (-998) (-)

Ion 76.90 (76.60 to 77.60): VD066871.D (-998) (-)



#38

Carbon Tetrachloride

Concen: 5.767 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD066871.D

Acq: 25 Sep 2020 13:53

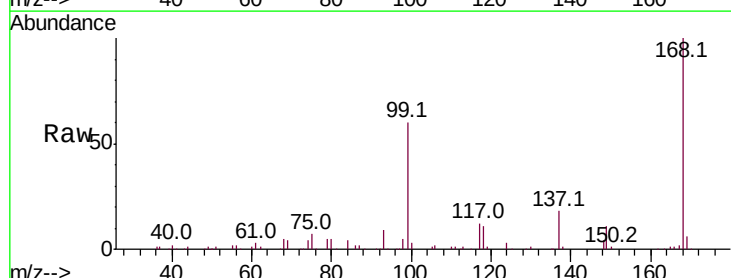
Tgt Ion: 117 Resp: 43822

Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.8#

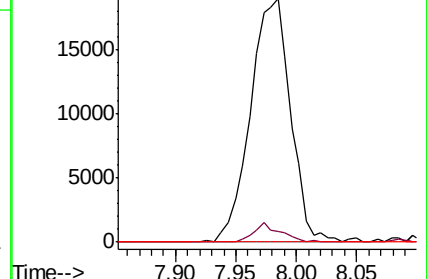
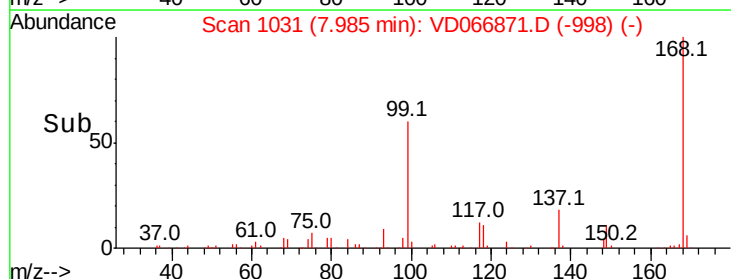
121 0.0 23.4 35.0#

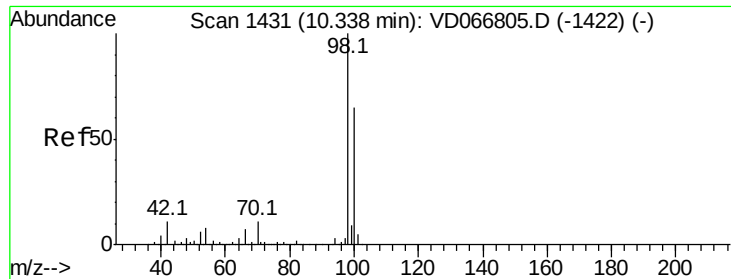


Abundance Ion 116.80 (116.50 to 117.50): VD066871.D (-998) (-)

Ion 118.80 (118.50 to 119.50): VD066871.D (-998) (-)

Ion 120.80 (120.50 to 121.50): VD066871.D (-998) (-)

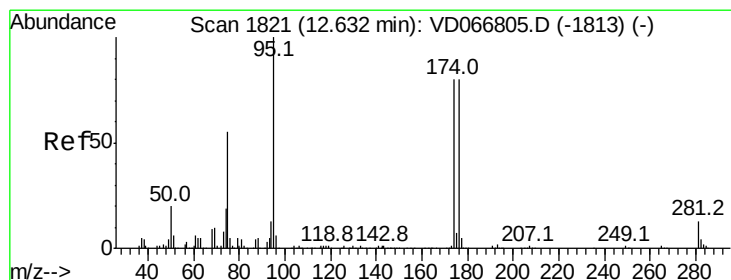
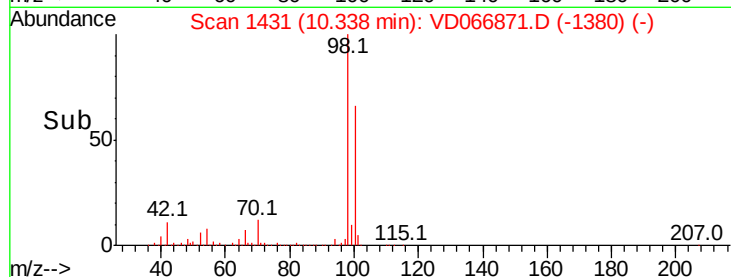
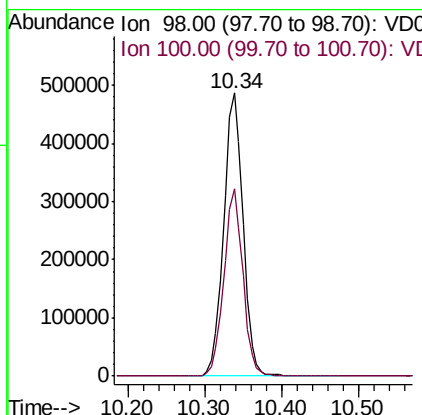
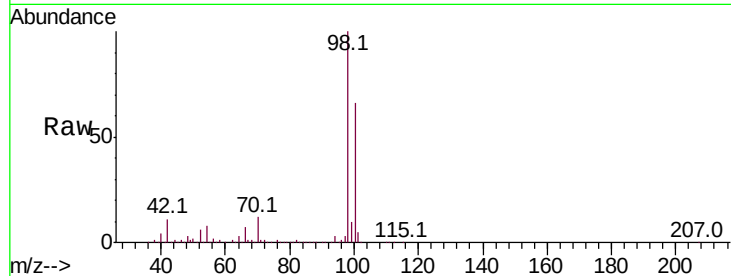




#50
Toluene-d8
Concen: 56.111 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066871.D
Acq: 25 Sep 2020 13:53

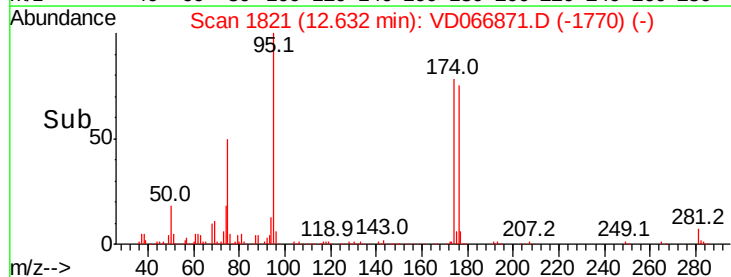
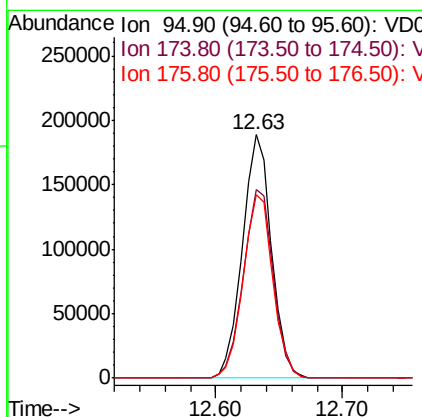
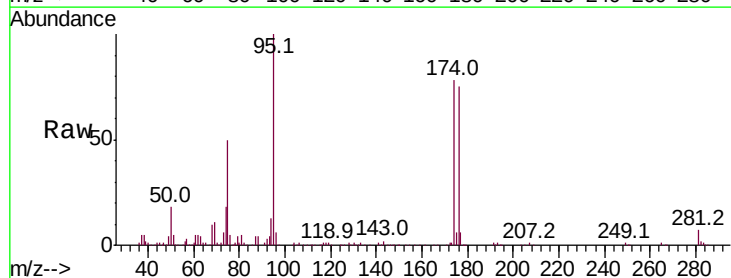
Instrument :
MSVOA_D
ClientSampleId :
WR-PILE-5-7

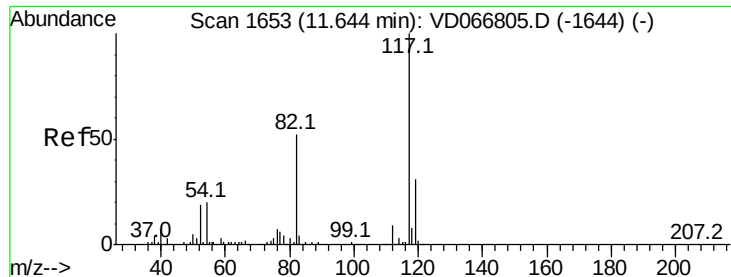
Tot Ion: 98 Resp: 852171
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 57.736 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066871.D
Acq: 25 Sep 2020 13:53

Tgt Ion: 95 Resp: 300174
Ion Ratio Lower Upper
95 100
174 79.8 0.0 159.8
176 77.0 0.0 154.4

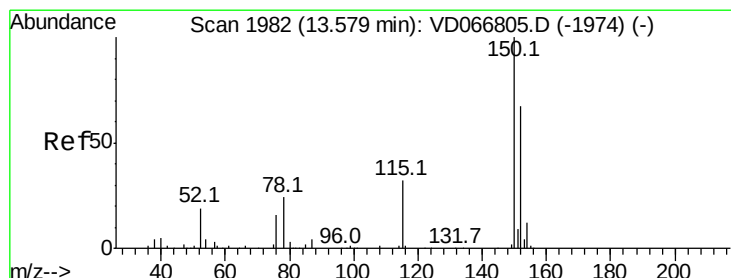
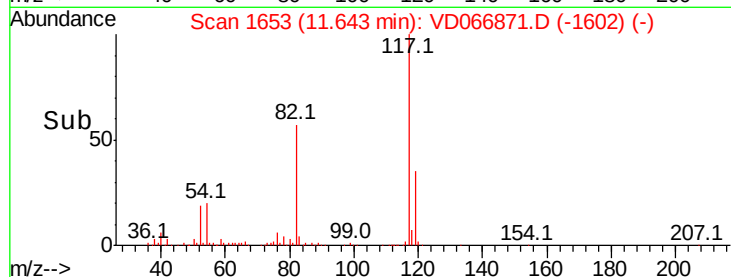
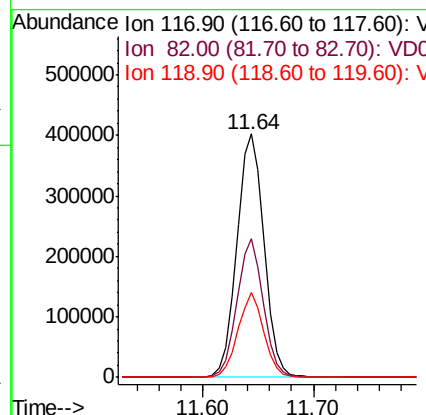
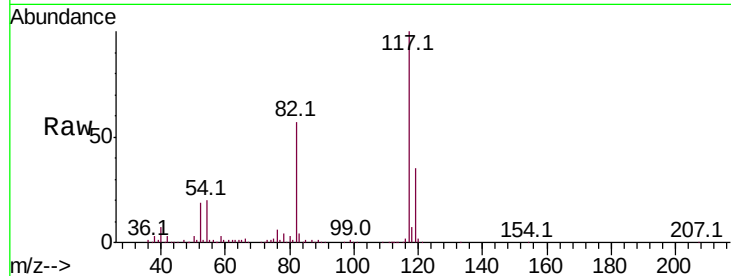




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066871.D
Acq: 25 Sep 2020 13:53

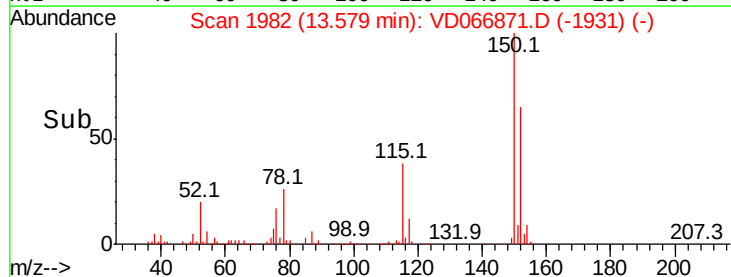
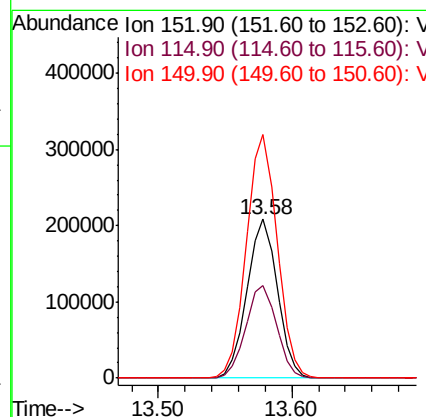
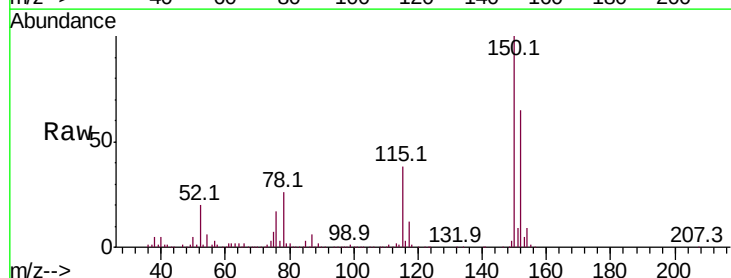
Instrument :
MSVOA_D
ClientSampleId :
WR-PILE-5-7

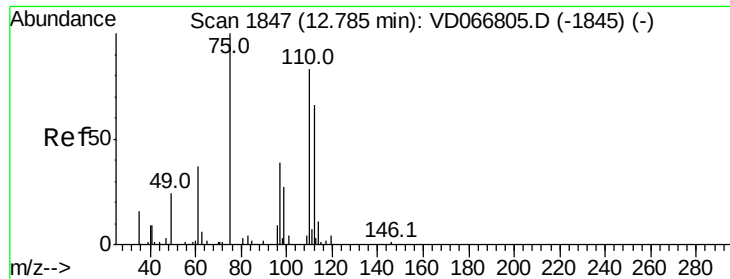
Tot Ion:117 Resp: 694492
Ion Ratio Lower Upper
117 100
82 57.0 41.8 62.6
119 35.1 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066871.D
Acq: 25 Sep 2020 13:53

Tgt Ion:152 Resp: 327834
Ion Ratio Lower Upper
152 100
115 59.7 30.3 91.0
150 155.5 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 57.021 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066871.D

Acq: 25 Sep 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

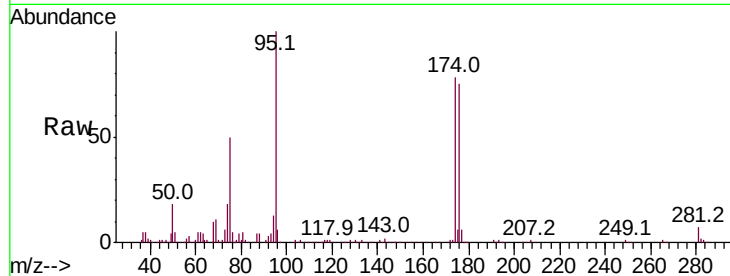
WR-PILE-5-7

Tot Ion: 75 Resp: 154916

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

100000

80000

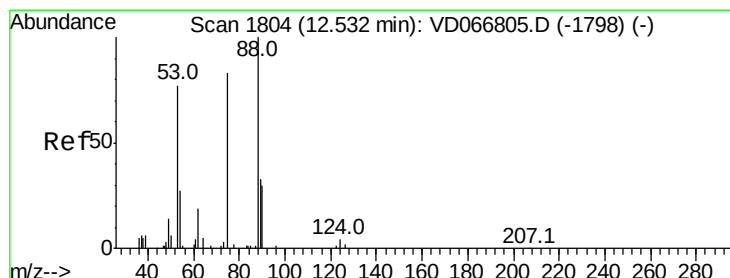
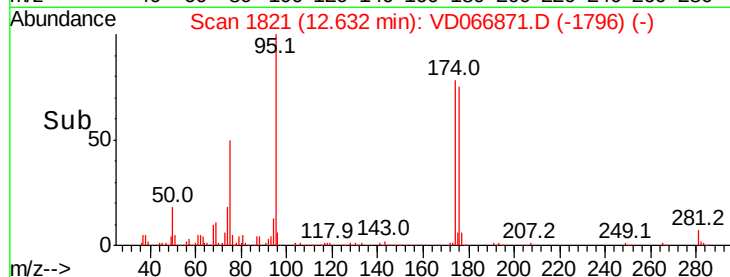
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 142.661 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066871.D

Acq: 25 Sep 2020 13:53

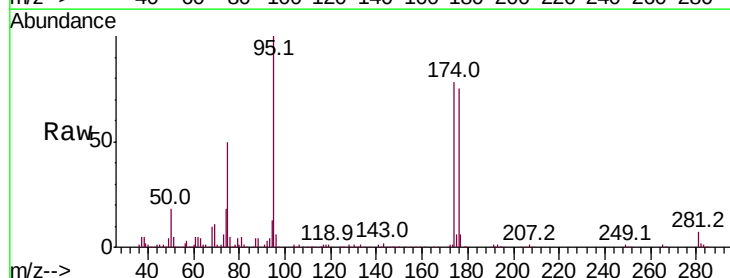
Tgt Ion: 75 Resp: 154916

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.1 38.1 57.1#



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

12.63

120000

100000

80000

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

