

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081220\
 Data File : VD066204.D
 Acq On : 12 Aug 2020 15:09
 Operator : VA/SY
 Sample : L3652-02
 Misc : 6.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCKPILE-1-B

Quant Time: Aug 12 16:03:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

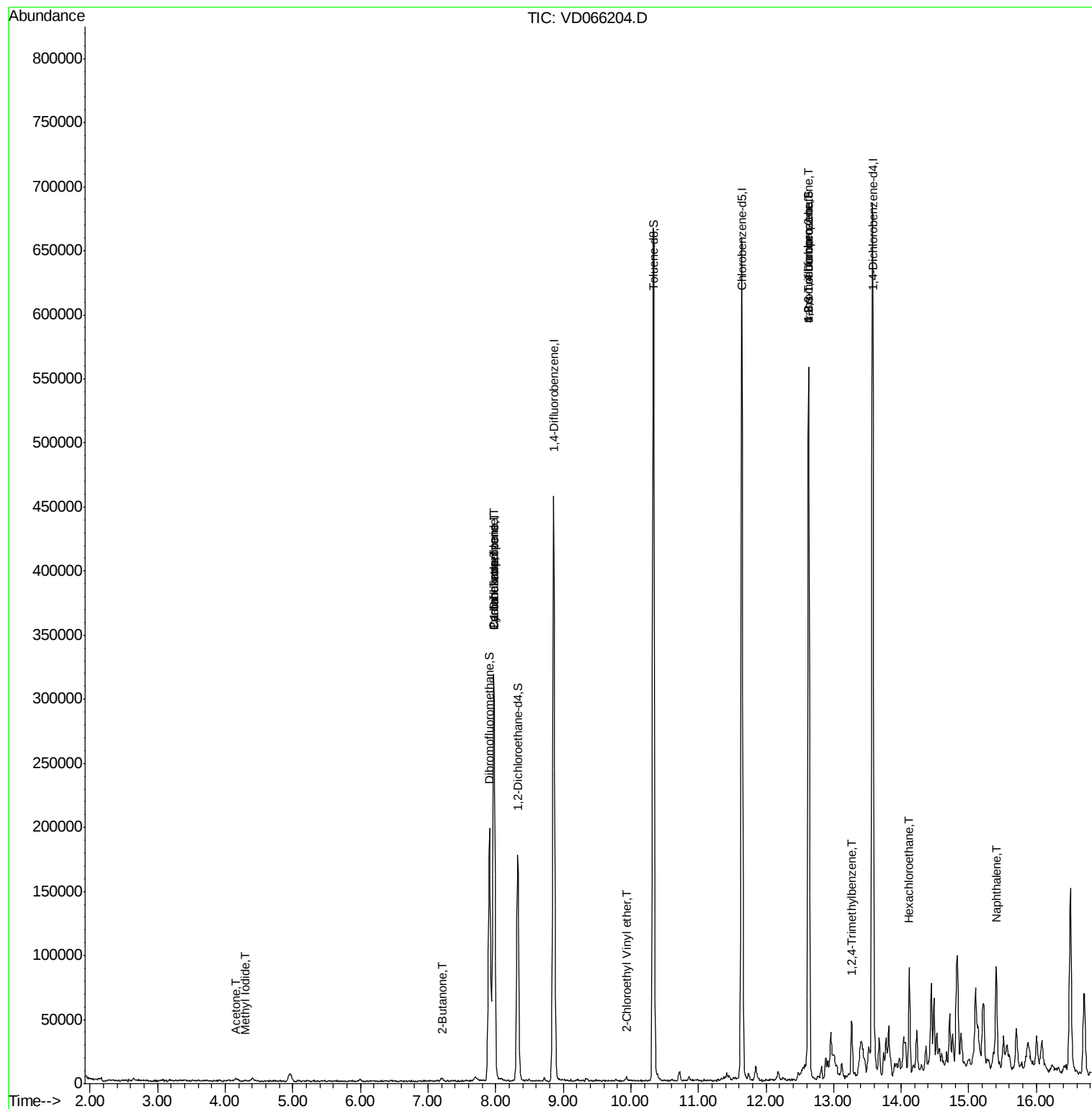
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	253128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	400114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	380255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	191877	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	137736	60.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.98%	
35) Dibromofluoromethane	7.91	113	134453	53.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.10%	
50) Toluene-d8	10.34	98	461114	49.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.63	95	169155	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.30	142	469	6.899	ug/l #	86
11) Tert butyl alcohol	5.23	59	334	Below Cal	#	76
16) Acetone	4.16	43	3876	9.046	ug/l	95
20) Methylene Chloride	4.95	84	4412	Below Cal		92
25) 2-Butanone	7.22	43	1272	2.018	ug/l #	83
31) Cyclohexane	7.98	56	5491	1.388	ug/l #	17
36) 1,1-Dichloropropene	7.97	75	17455	4.642	ug/l #	49
38) Carbon Tetrachloride	7.98	117	23662	5.643	ug/l #	13
58) 2-Chloroethyl Vinyl ether	9.94	63	1671	1.528	ug/l #	71
76) 1,2,3-Trichloropropane	12.63	75	85008	53.126	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	85008	117.438	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.27	105	24798	2.313	ug/l	97
90) Hexachloroethane	14.13	117	5022	2.111	ug/l #	9
95) Naphthalene	15.41	128	67508	10.259	ug/l	98

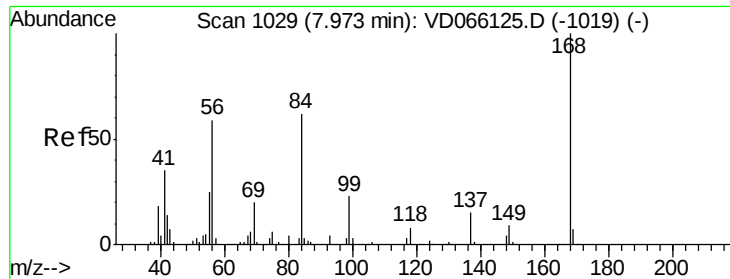
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066204.D

Acq: 12 Aug 2020 15:09

Instrument :

MSVOA_D

ClientSampleId :

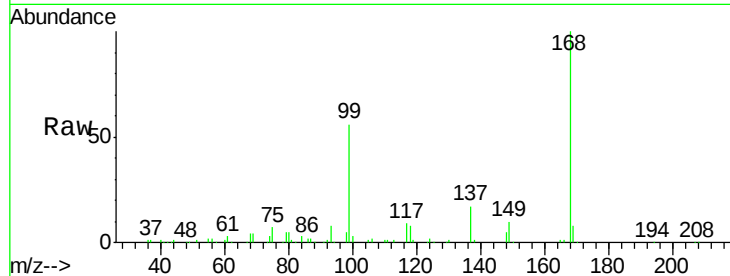
STOCKPILE-1-B

Tgt Ion:168 Resp: 253128

Ion Ratio Lower Upper

168 100

99 55.6 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.97

120000

100000

80000

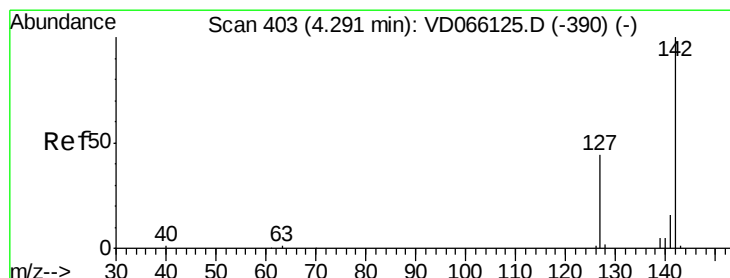
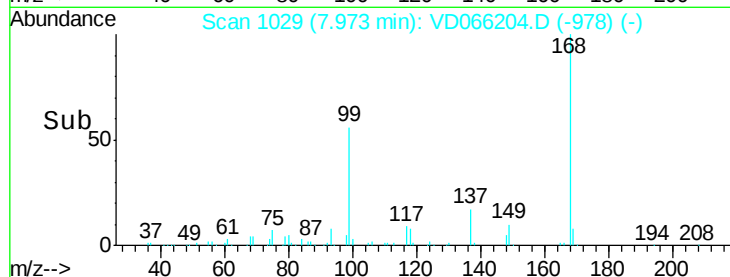
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 6.899 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066204.D

Acq: 12 Aug 2020 15:09

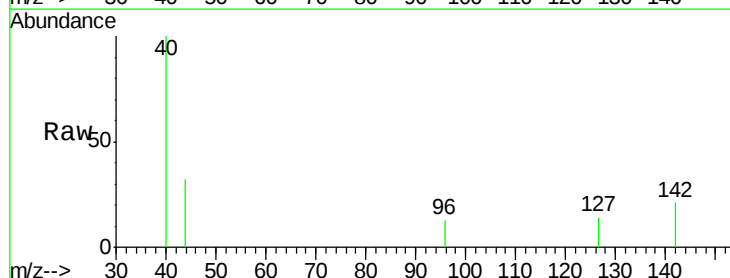
Tgt Ion:142 Resp: 469

Ion Ratio Lower Upper

142 100

127 41.4 36.2 54.4

141 0.0 12.6 18.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

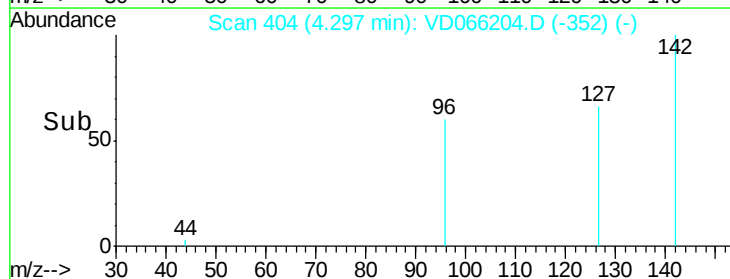
300

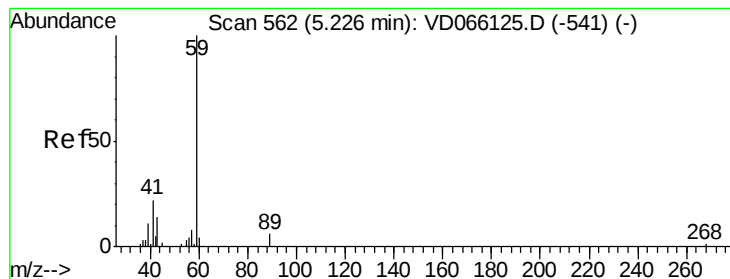
200

100

0

Time-->



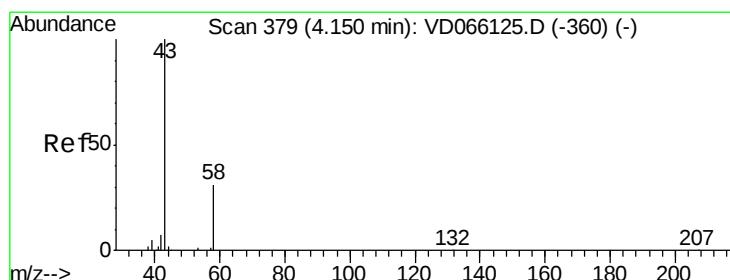
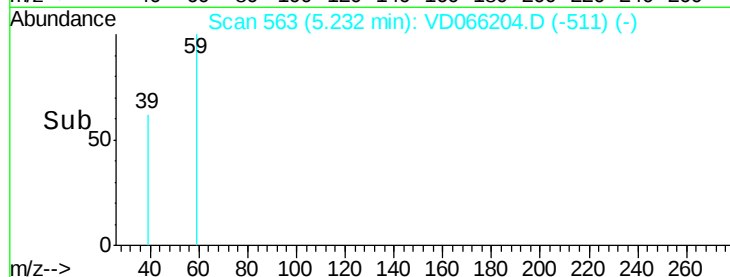
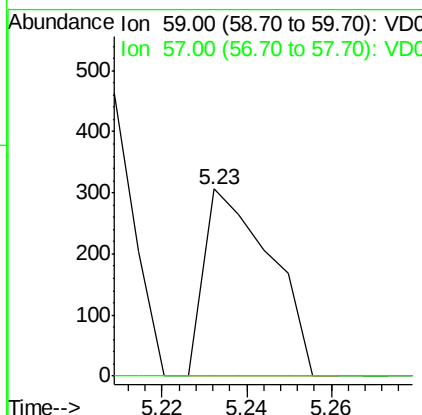
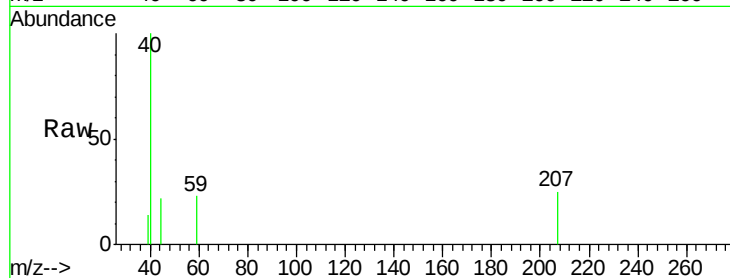


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VD066204.D
 Acq: 12 Aug 2020 15:09

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCKPILE-1-B

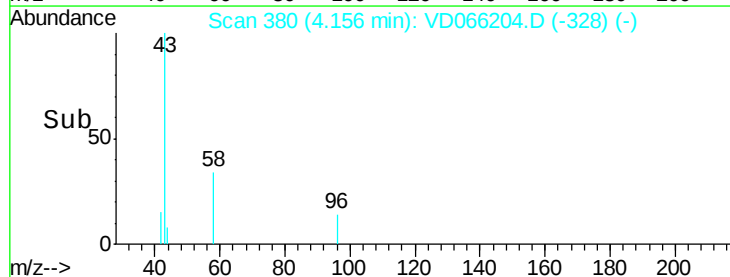
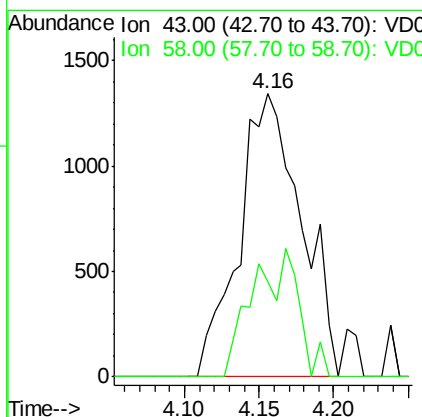
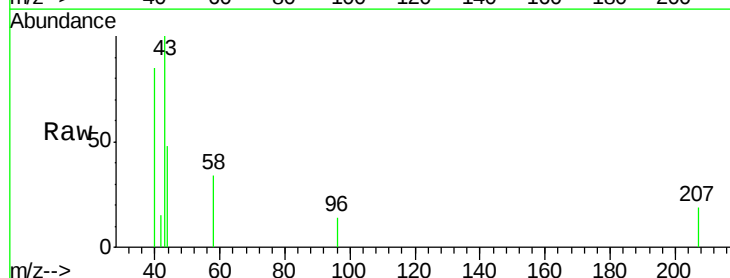
Tgt Ion: 59 Resp: 334
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

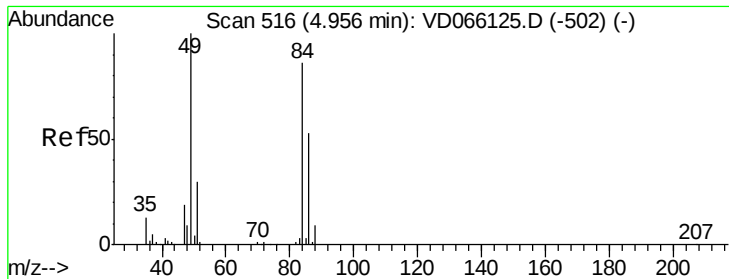


#16

Acetone
 Concen: 9.046 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VD066204.D
 Acq: 12 Aug 2020 15:09

Tgt Ion: 43 Resp: 3876
 Ion Ratio Lower Upper
 43 100
 58 33.8 24.7 37.1

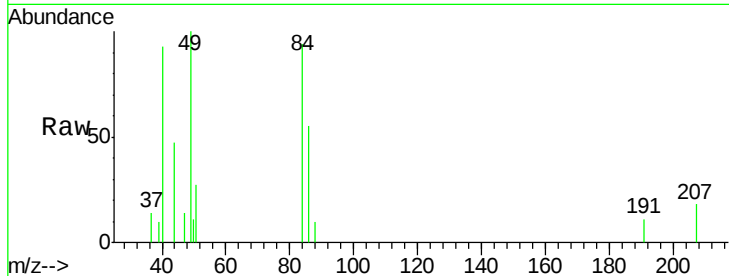




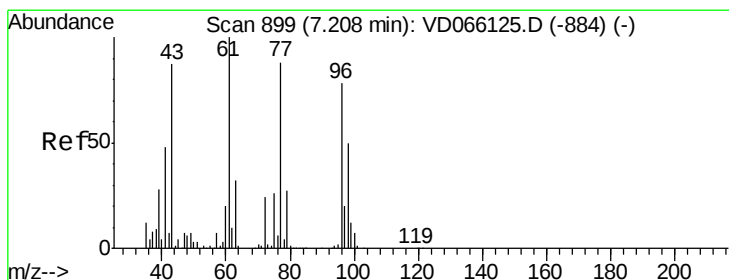
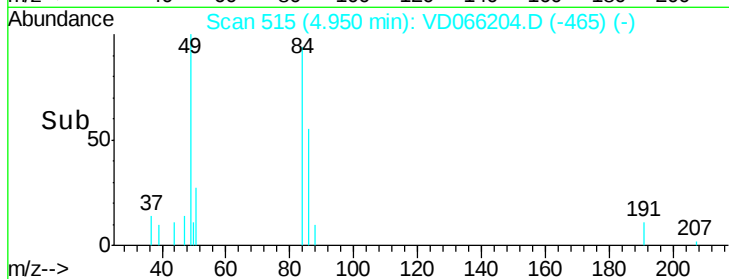
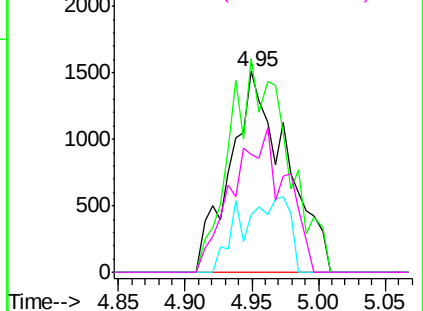
#20
Methylene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD066204.D
Acq: 12 Aug 2020 15:09

Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-1-B

Tgt Ion:	84	Resp:	4412
Ion	Ratio	Lower	Upper
84	100		
49	106.6	93.5	140.3
51	29.0	28.2	42.4
86	58.8	49.5	74.3

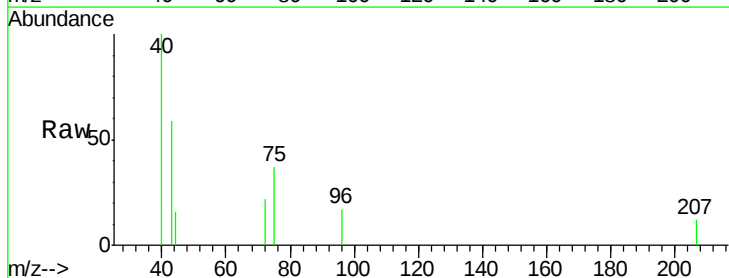


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

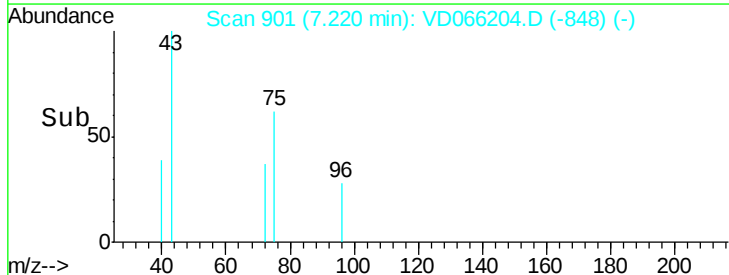
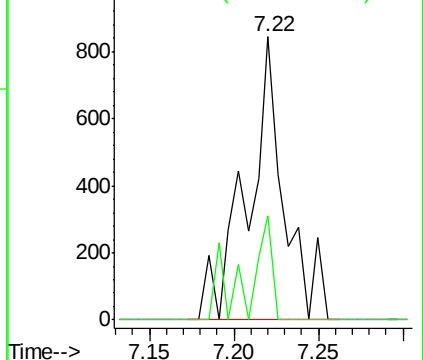


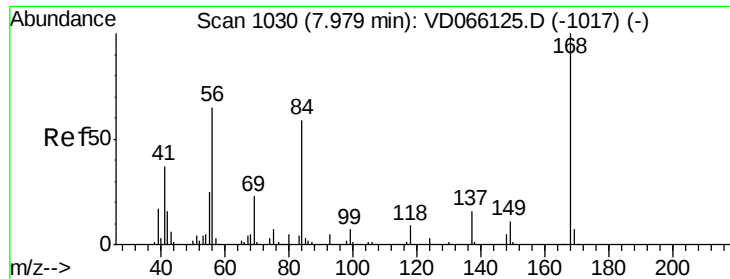
#25
2-Butanone
Concen: 2.018 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD066204.D
Acq: 12 Aug 2020 15:09

Tgt Ion:	43	Resp:	1272
Ion	Ratio	Lower	Upper
43	100		
72	36.7	22.2	33.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

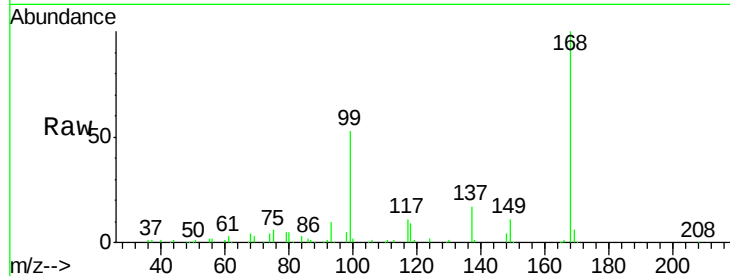




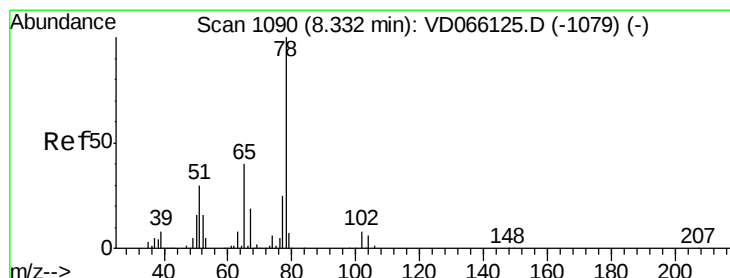
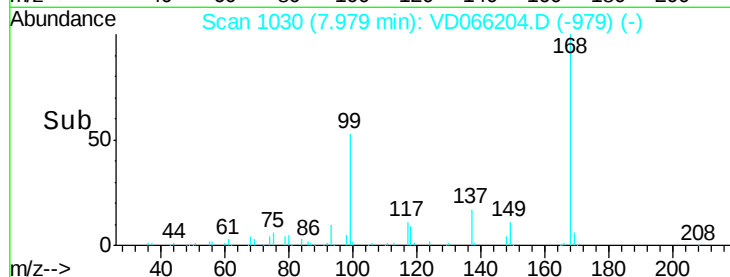
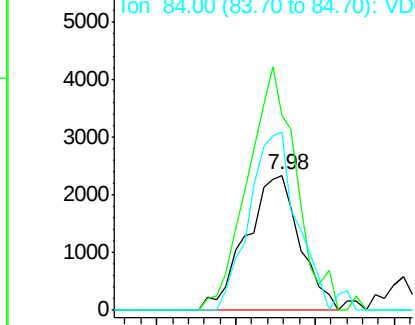
#31
Cyclohexane
Concen: 1.388 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066204.D
Acq: 12 Aug 2020 15:09

Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-1-B

Tgt Ion: 56 Resp: 5491
Ion Ratio Lower Upper
56 100
69 144.2 28.8 43.2#
84 132.3 73.0 109.6#

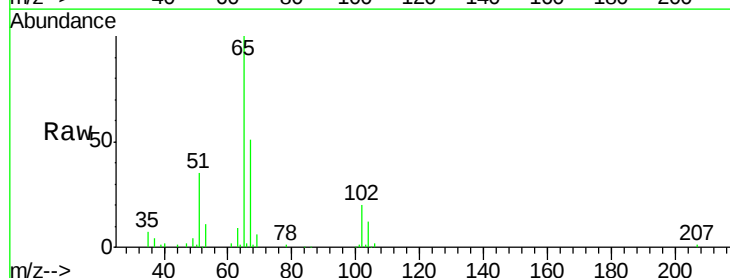


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

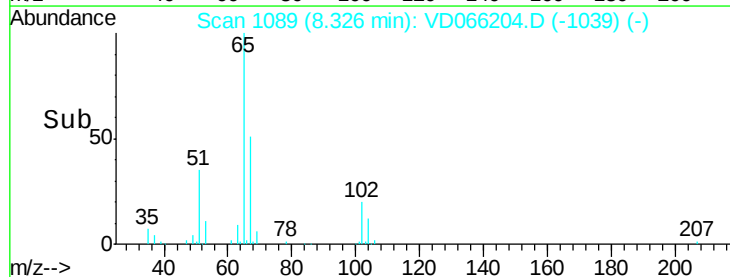
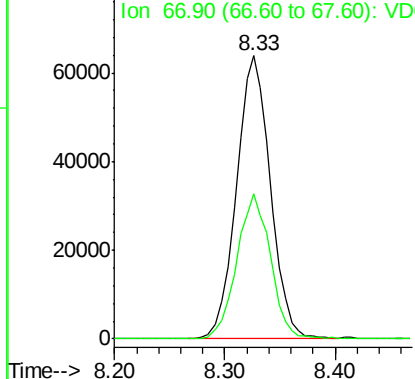


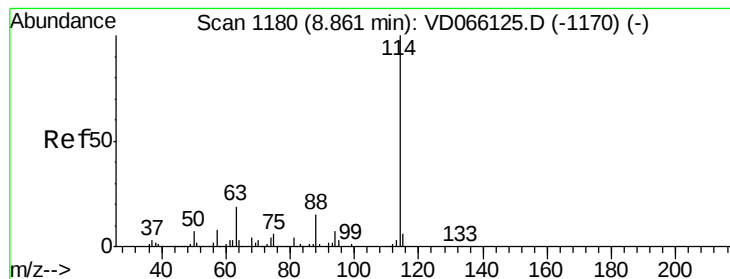
#33
1,2-Dichloroethane-d4
Concen: 60.991 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066204.D
Acq: 12 Aug 2020 15:09

Tgt Ion: 65 Resp: 137736
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.6



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: VD066204.D

Acq: 12 Aug 2020 15:09

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-1-B

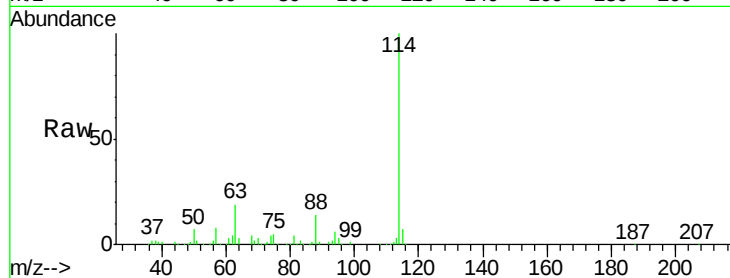
Tgt Ion:114 Resp: 400114

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

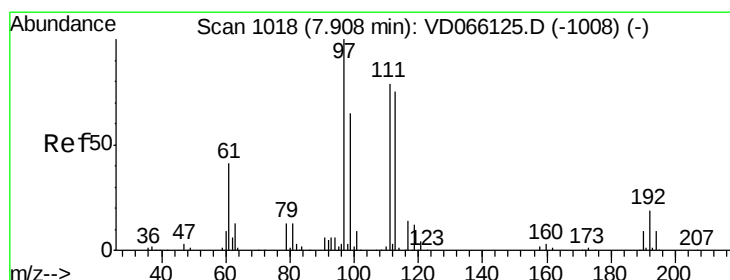
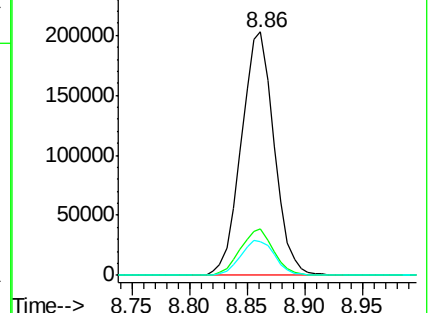
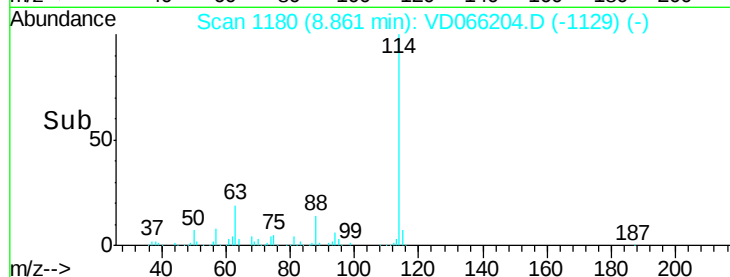
88 14.1 0.0 30.0



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: 53.045 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066204.D

Acq: 12 Aug 2020 15:09

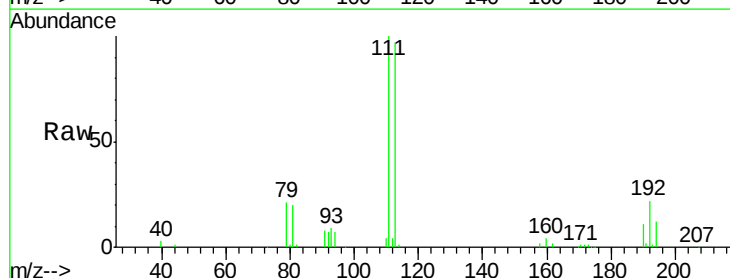
Tgt Ion:113 Resp: 134453

Ion Ratio Lower Upper

113 100

111 102.8 80.7 121.1

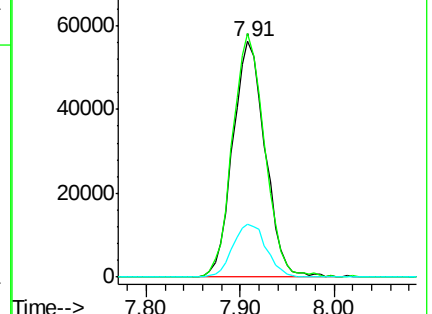
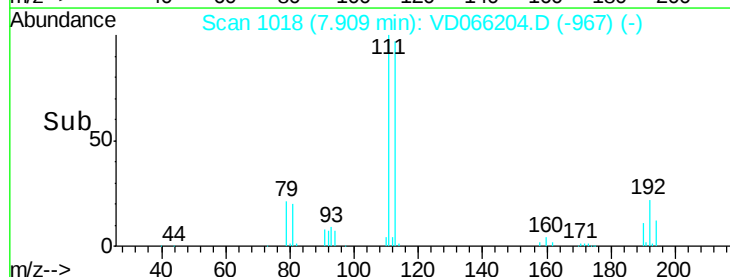
192 23.3 18.4 27.6

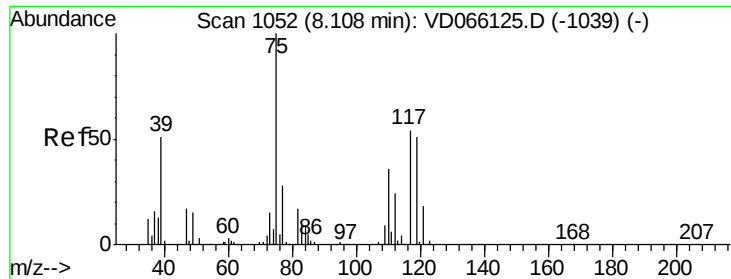


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

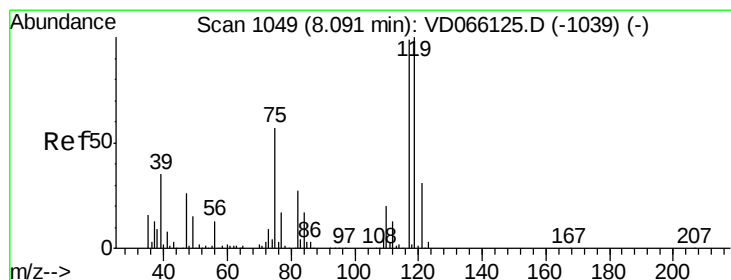
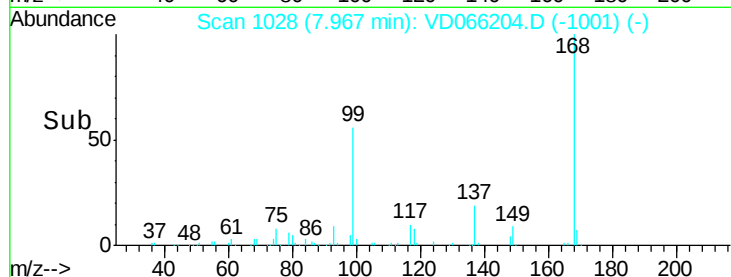
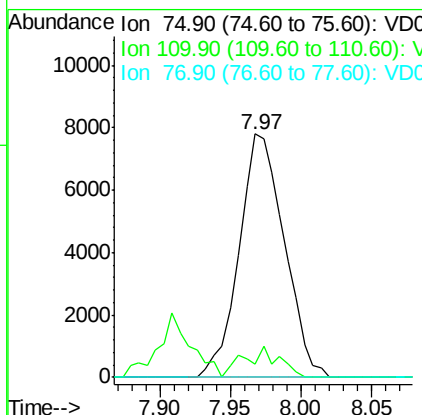
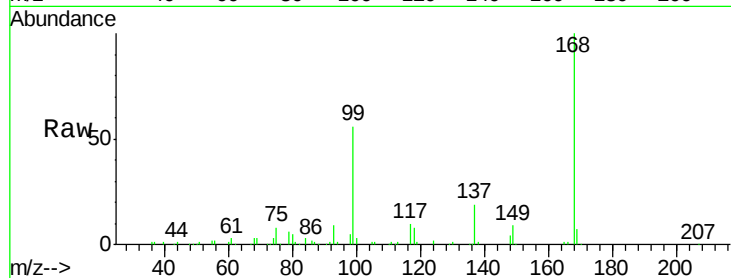




#36
 1,1-Dichloropropene
 Concen: 4.642 ug/l
 RT: 7.97 min Scan# 1028
 Delta R.T. -0.14 min
 Lab File: VD066204.D
 Acq: 12 Aug 2020 15:09

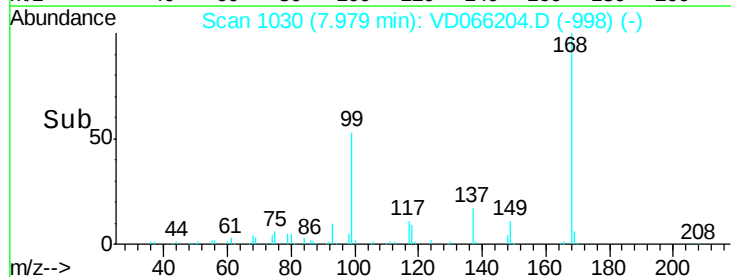
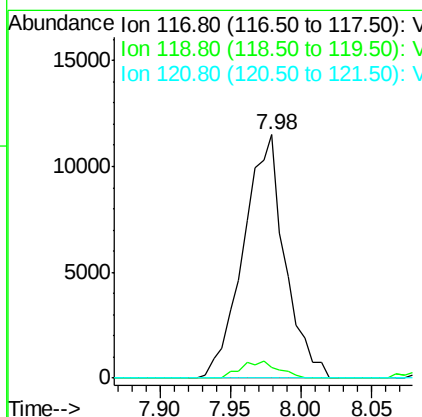
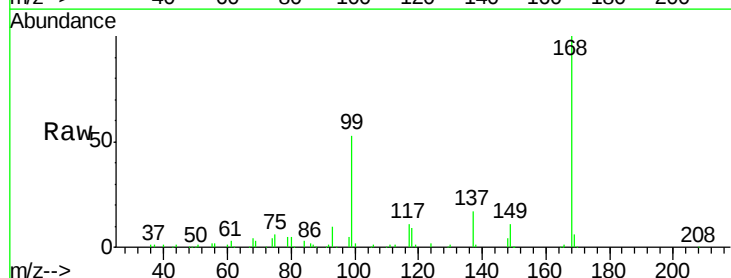
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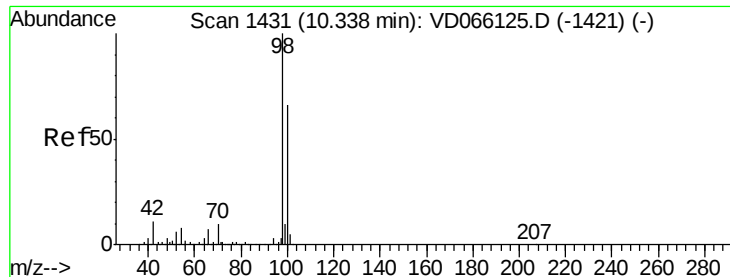
Tgt Ion: 75 Resp: 17455
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.8 56.3#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 5.643 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.11 min
 Lab File: VD066204.D
 Acq: 12 Aug 2020 15:09

Tgt Ion: 117 Resp: 23662
 Ion Ratio Lower Upper
 117 100
 119 4.6 81.0 121.4#
 121 0.0 24.8 37.2#

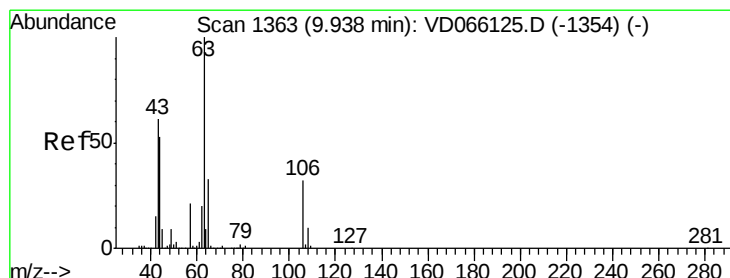
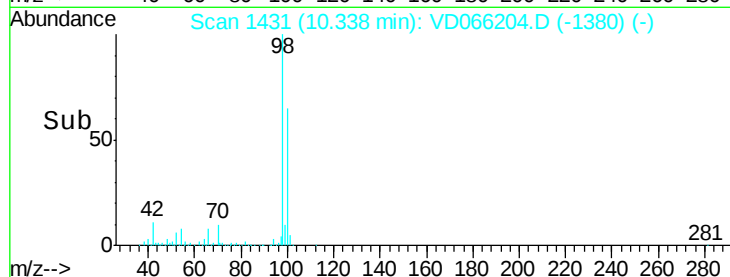
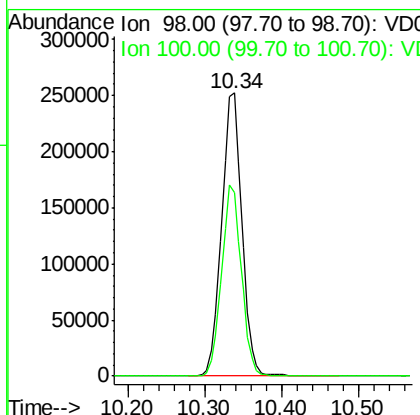
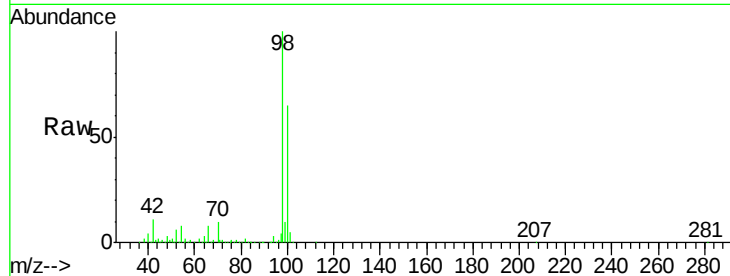




#50
Toluene-d8
Concen: 49.298 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066204.D
Acq: 12 Aug 2020 15:09

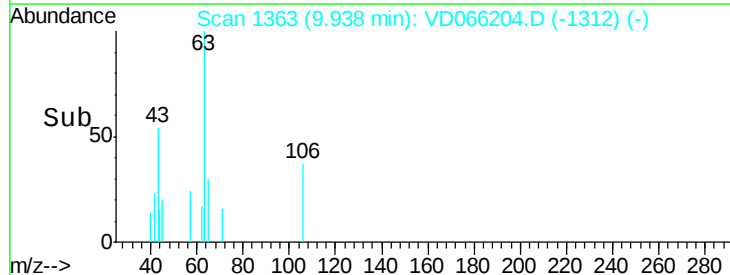
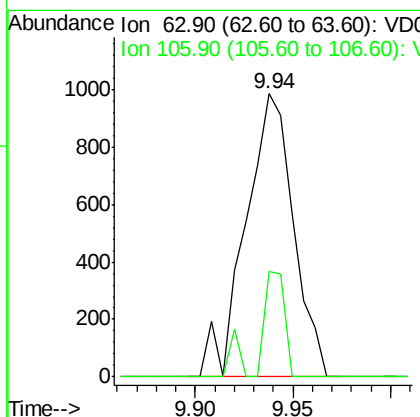
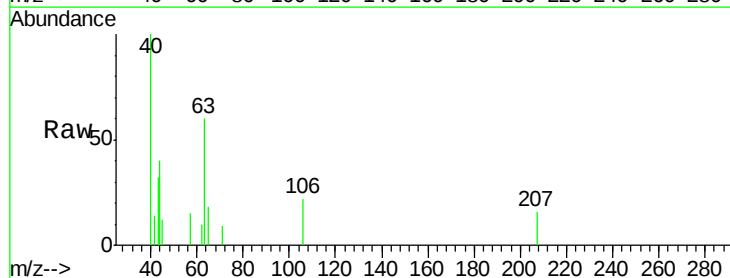
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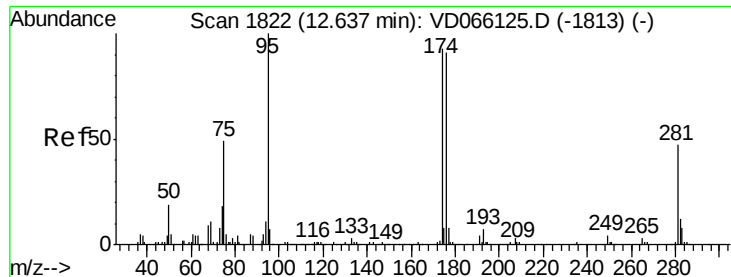
Tgt Ion: 98 Resp: 461114
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#58
2-Chloroethyl Vinyl ether
Concen: 1.528 ug/l
RT: 9.94 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VD066204.D
Acq: 12 Aug 2020 15:09

Tgt Ion: 63 Resp: 1671
Ion Ratio Lower Upper
63 100
106 15.3 25.3 37.9#

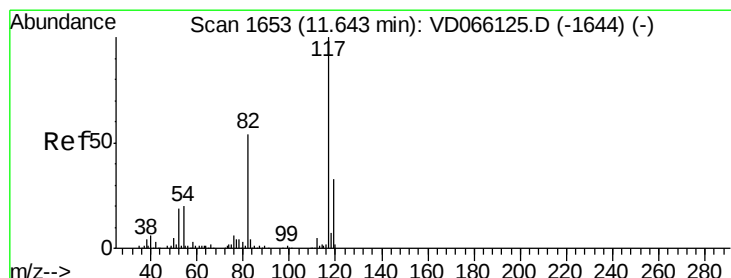
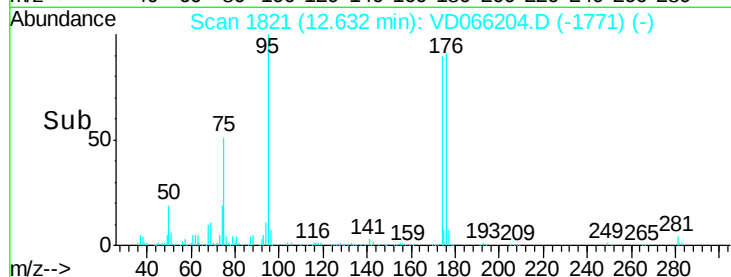
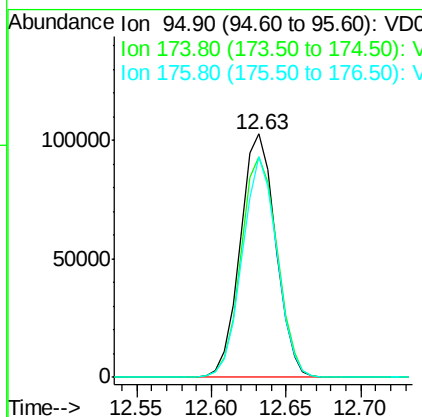
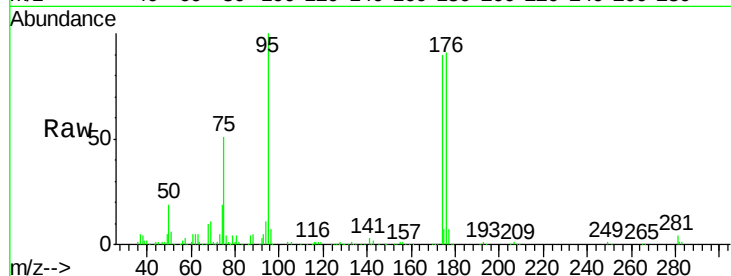




#62
4-Bromofluorobenzene
Concen: 50.170 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066204.D
Acq: 12 Aug 2020 15:09

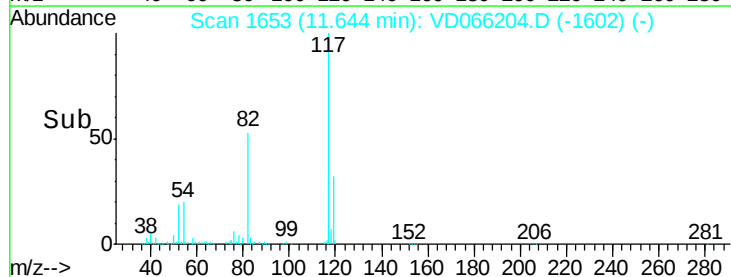
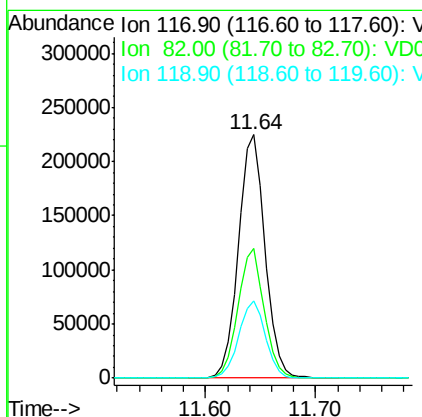
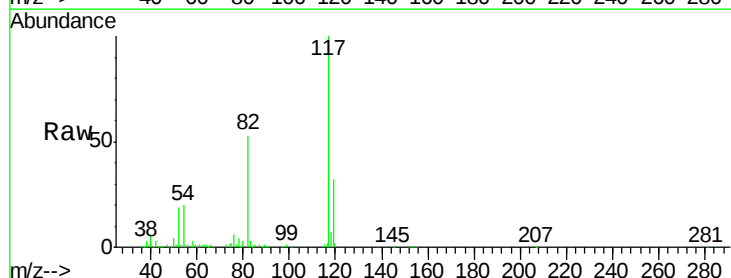
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-1-B

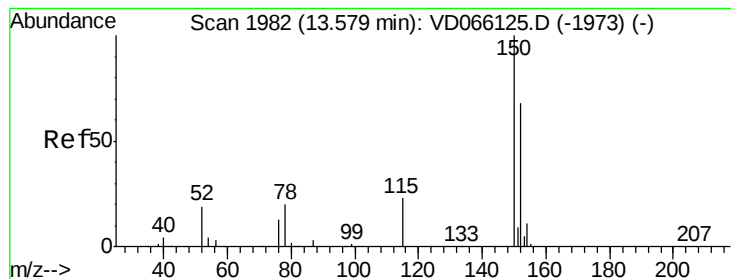
Tgt Ion	Ratio	Resp	Lower	Upper
95	100	169155		
174	92.4	0.0	180.8	
176	88.4	0.0	181.2	



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066204.D
Acq: 12 Aug 2020 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	380255		
82	53.2	43.0	64.4	
119	31.9	26.1	39.1	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066204.D

Acq: 12 Aug 2020 15:09

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-1-B

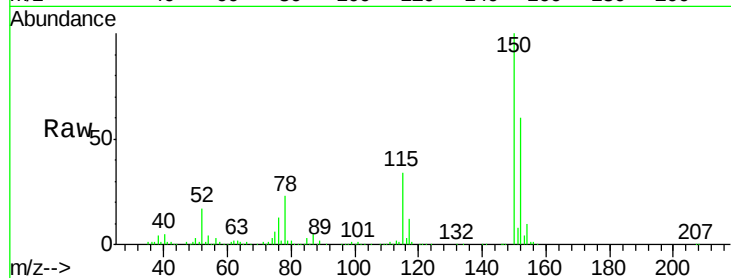
Tgt Ion: 152 Resp: 191877

Ion Ratio Lower Upper

152 100

115 55.5 28.0 83.9

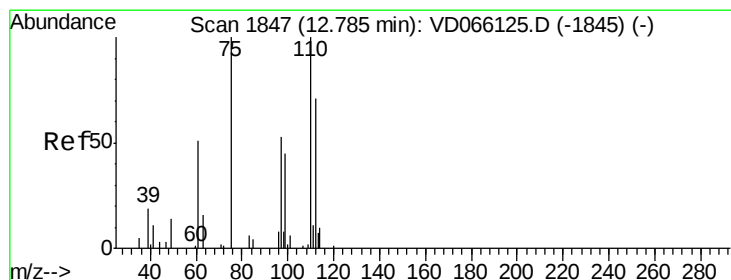
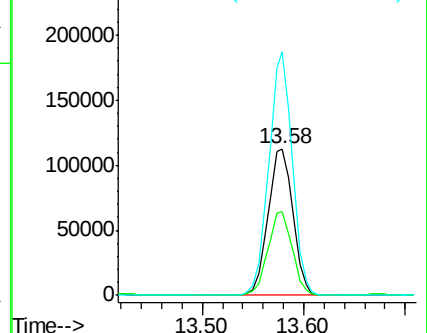
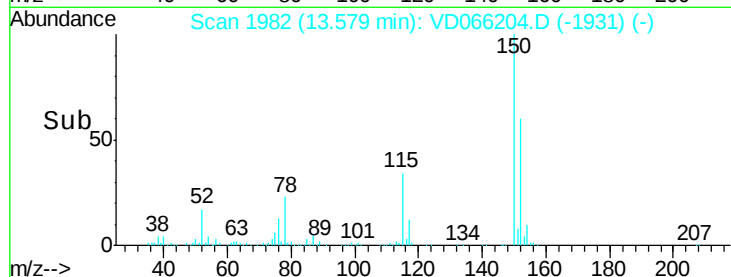
150 155.6 0.0 346.4



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: 53.126 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066204.D

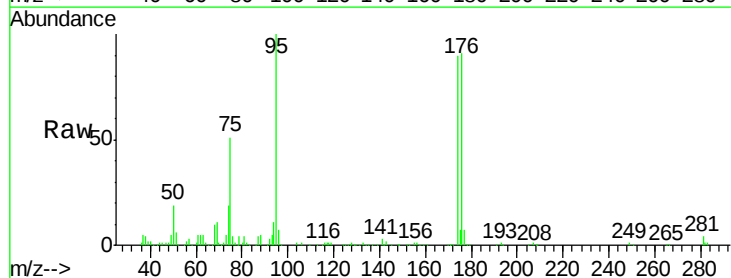
Acq: 12 Aug 2020 15:09

Tgt Ion: 75 Resp: 85008

Ion Ratio Lower Upper

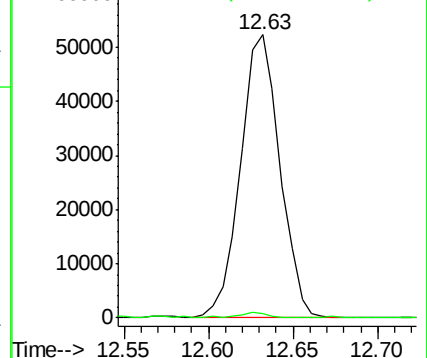
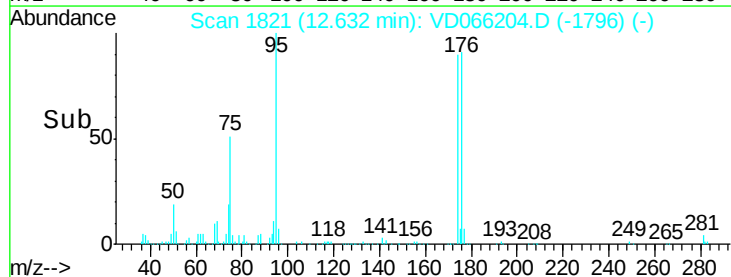
75 100

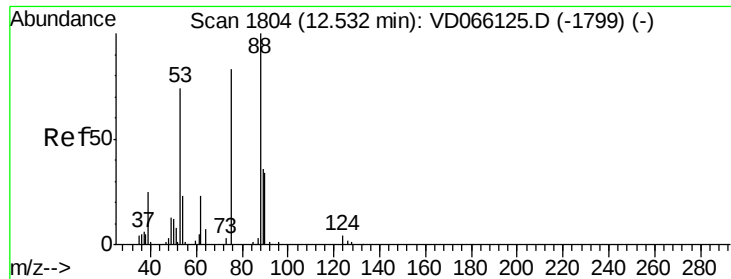
77 1.3 0.0 0.0#



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: 117.438 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066204.D

Acq: 12 Aug 2020 15:09

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-1-B

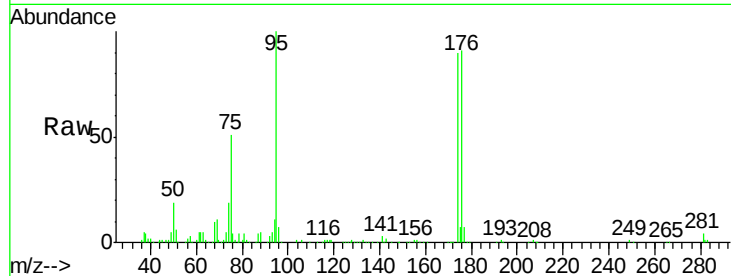
Tgt Ion: 75 Resp: 85008

Ion Ratio Lower Upper

75 100

53 0.1 73.4 110.2#

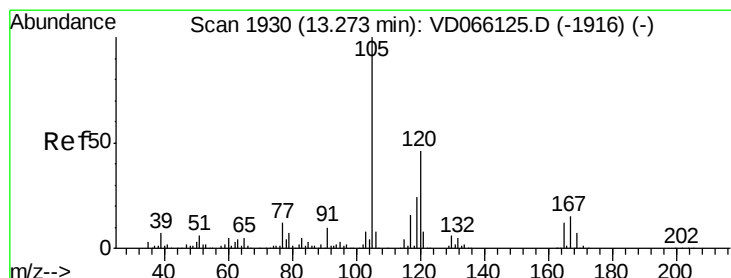
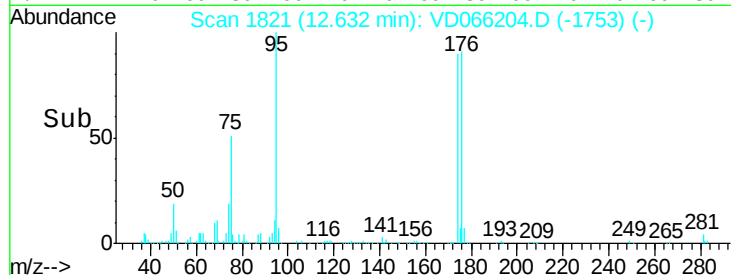
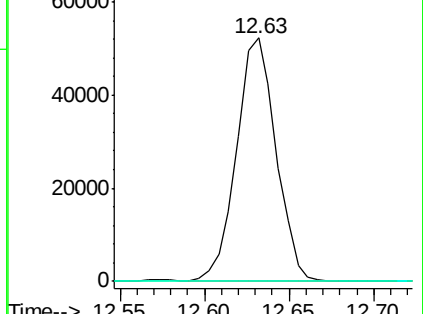
89 0.0 36.6 55.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 2.313 ug/l

RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VD066204.D

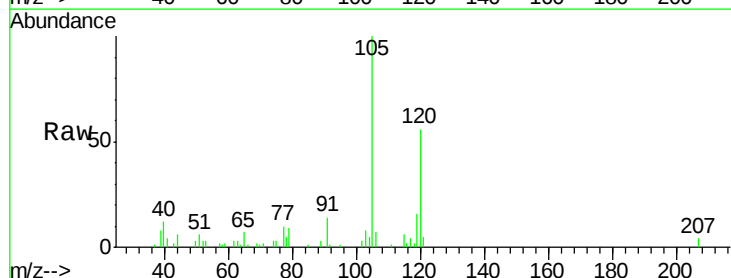
Acq: 12 Aug 2020 15:09

Tgt Ion: 105 Resp: 24798

Ion Ratio Lower Upper

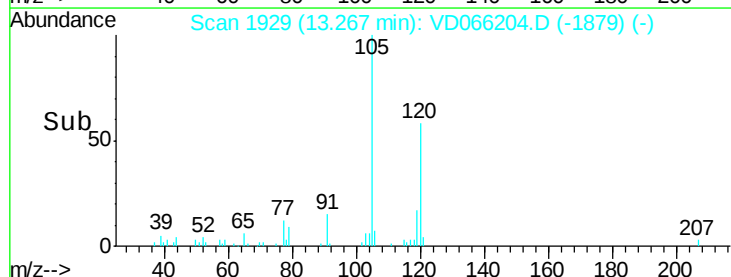
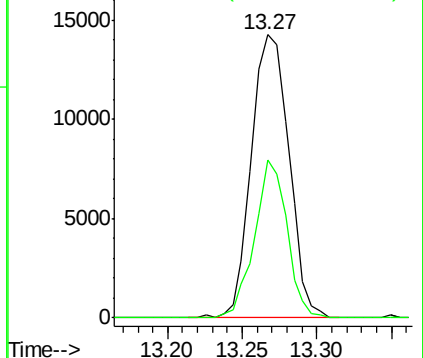
105 100

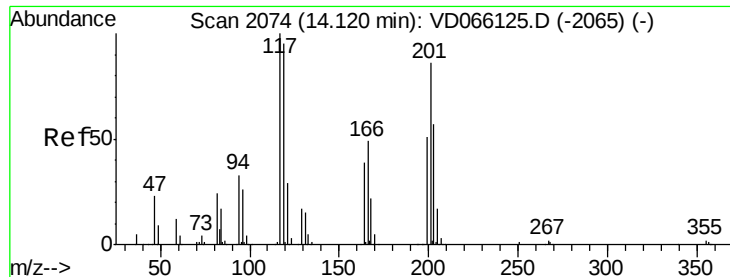
120 48.1 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

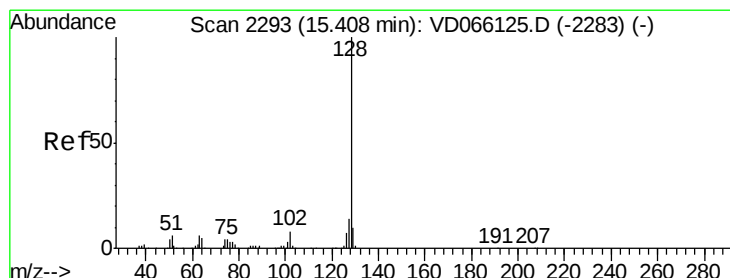
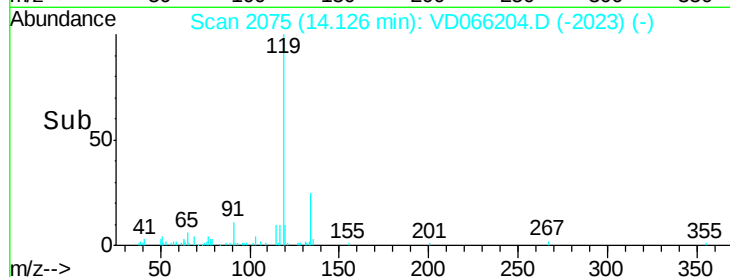
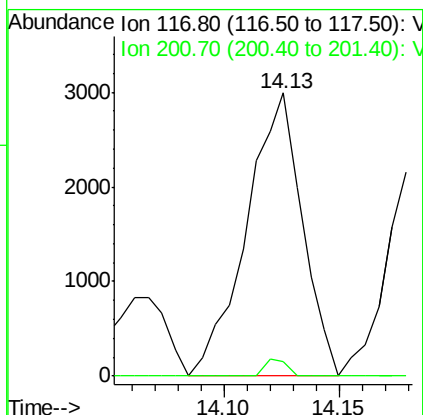
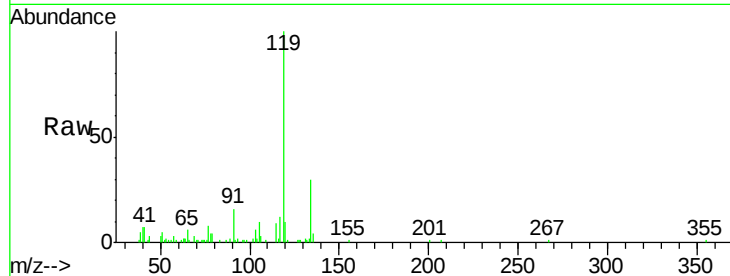




#90
Hexachloroethane
Concen: 2.111 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD066204.D
Acq: 12 Aug 2020 15:09

Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-1-B

Tgt Ion:117 Resp: 5022
Ion Ratio Lower Upper
117 100
201 2.3 42.7 128.1#



#95
Naphthalene
Concen: 10.259 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066204.D
Acq: 12 Aug 2020 15:09

Tgt Ion:128 Resp: 67508
Ion Ratio Lower Upper
128 100
127 14.0 11.0 16.4
129 12.2 8.8 13.2

