

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081920\
 Data File : VD066315.D
 Acq On : 19 Aug 2020 13:38
 Operator : VA/SY
 Sample : L3717-01RE
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB179-GW-738-740

Quant Time: Aug 19 16:00:13 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	7.98	168	152937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	235782	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	207716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	88971	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	77546	56.83	ug/l	0.00
Spiked Amount			Recovery	=	113.66%	
35) Dibromofluoromethane	7.91	113	76728	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
50) Toluene-d8	10.34	98	255512	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
62) 4-Bromofluorobenzene	12.63	95	83572	42.06	ug/l	0.00
Spiked Amount			Recovery	=	84.12%	

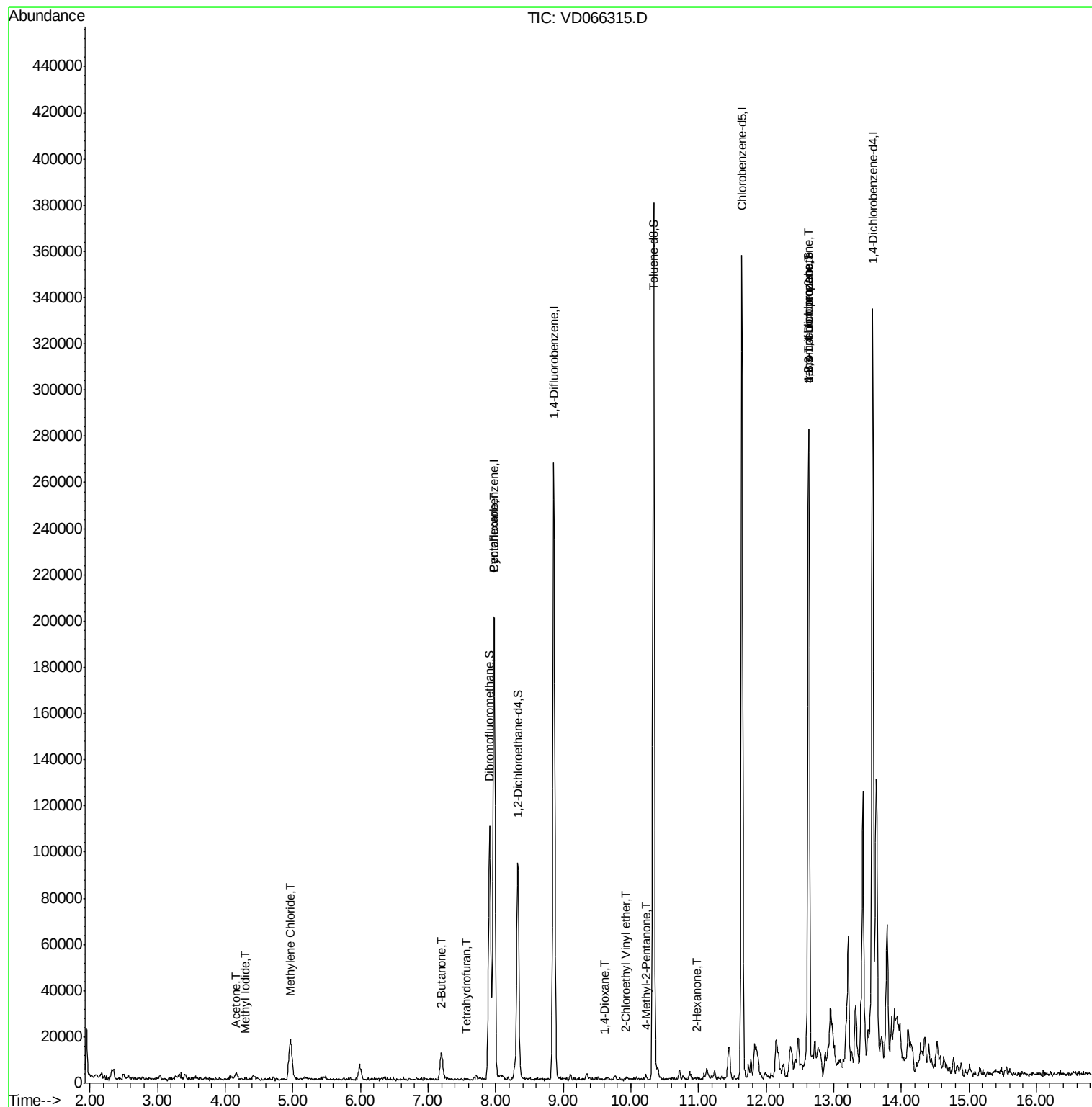
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	527	7.060	ug/l #	58
11) Tert butyl alcohol	5.23	59	62	Below Cal	#	76
16) Acetone	4.16	43	4824	18.633	ug/l #	70
20) Methylene Chloride	4.97	84	13725	5.037	ug/l	91
25) 2-Butanone	7.20	43	765	2.009	ug/l #	47
29) Tetrahydrofuran	7.56	42	391	1.657	ug/l #	44
31) Cyclohexane	7.97	56	3969	1.660	ug/l #	12
49) 1,4-Dioxane	9.60	88	64	6.016	ug/l #	26
51) 4-Methyl-2-Pentanone	10.23	43	1071	1.205	ug/l #	82
58) 2-Chloroethyl Vinyl ether	9.94	63	663	1.029	ug/l #	43
59) 2-Hexanone	10.98	43	741	1.188	ug/l #	61
76) 1,2,3-Trichloropropane	12.64	75	43334	58.405	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	43334	129.108	ug/l #	13

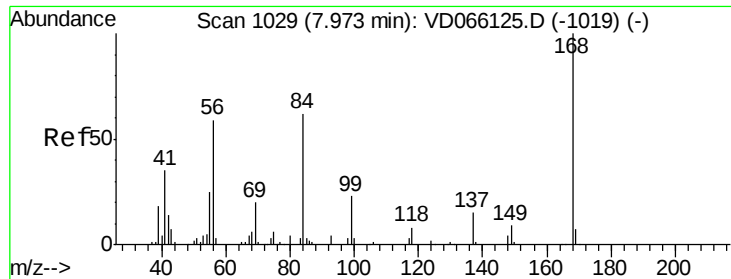
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081920\
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066315.D

Acq: 19 Aug 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

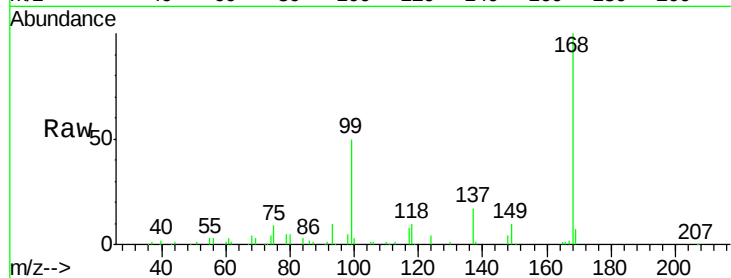
BP-VPB179-GW-738-740

Tgt Ion:168 Resp: 152937

Ion Ratio Lower Upper

168 100

99 49.9 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

60000

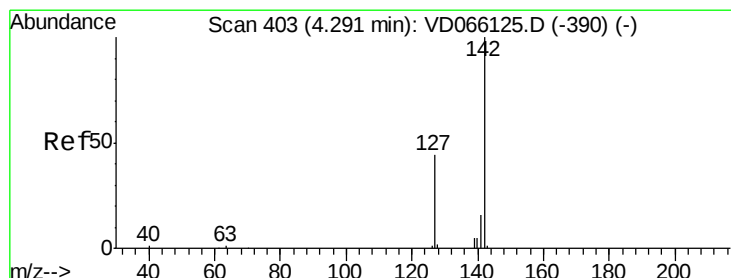
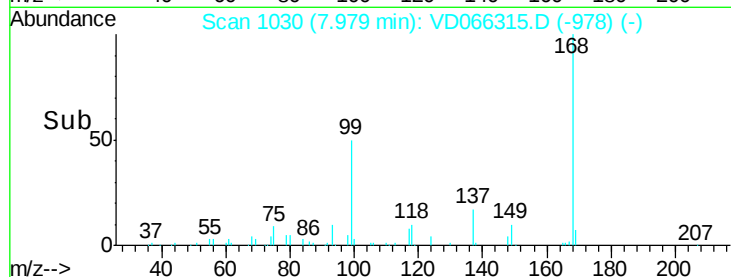
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#10

Methyl Iodide

Concen: 7.060 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066315.D

Acq: 19 Aug 2020 13:38

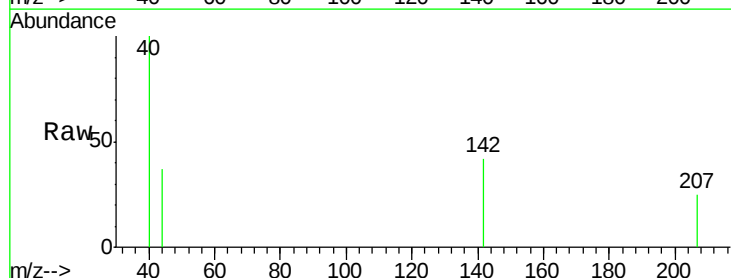
Tgt Ion:142 Resp: 527

Ion Ratio Lower Upper

142 100

127 16.3 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

4.30

600

500

400

300

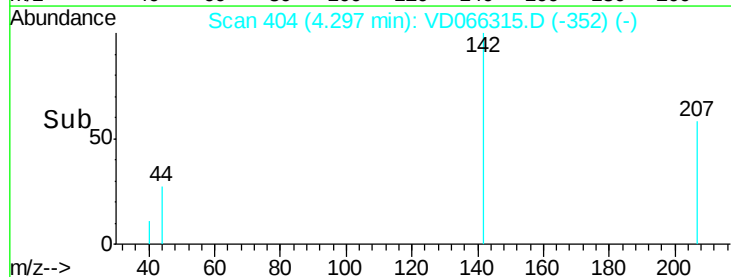
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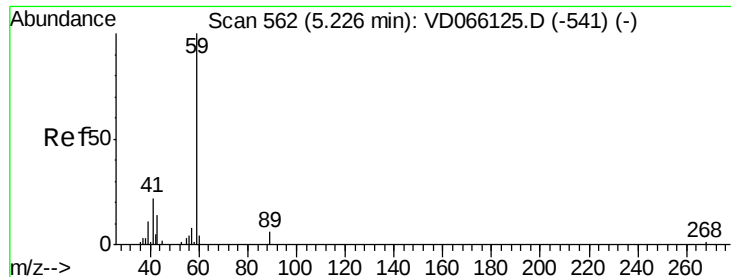
100

0

4.26 4.28 4.30 4.32 4.34

Time-->



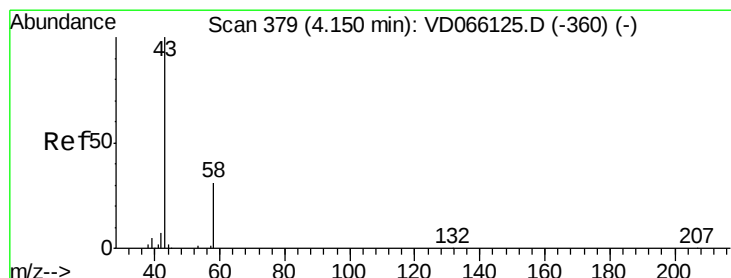
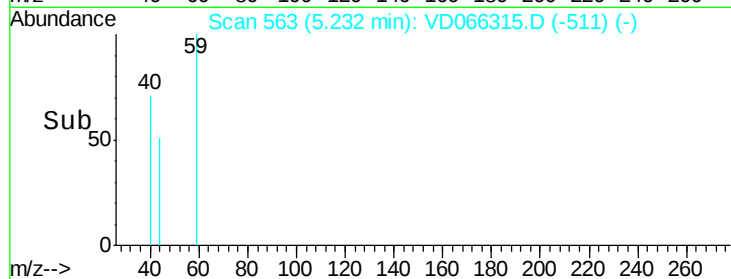
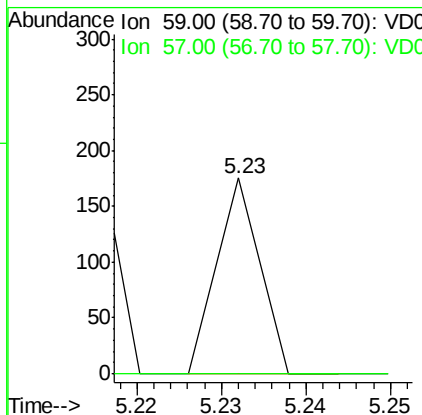
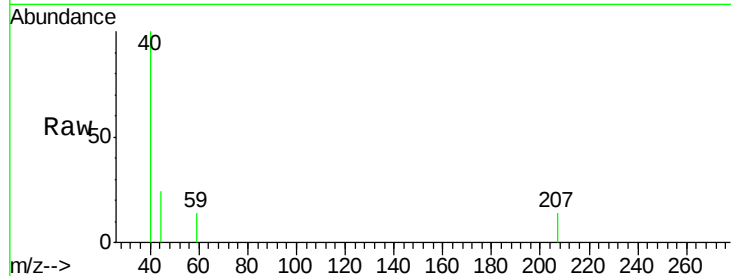


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VD066315.D
 Acq: 19 Aug 2020 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB179-GW-738-740

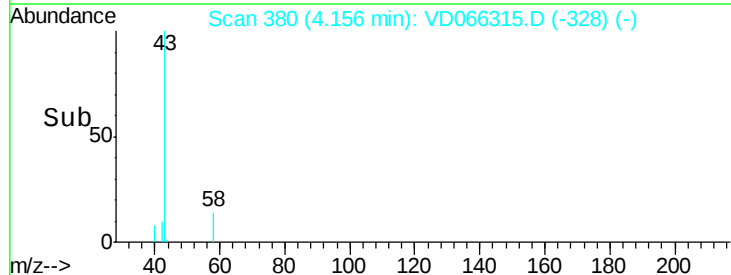
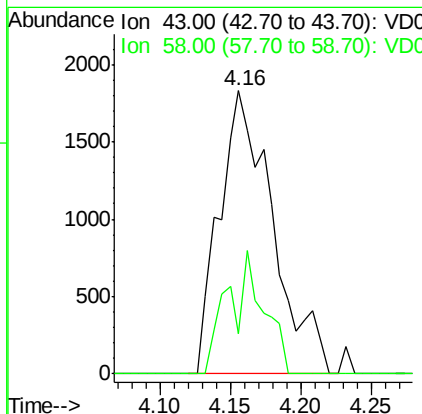
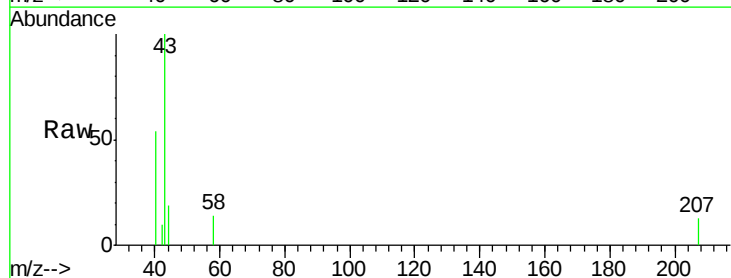
Tgt Ion: 59 Resp: 62
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

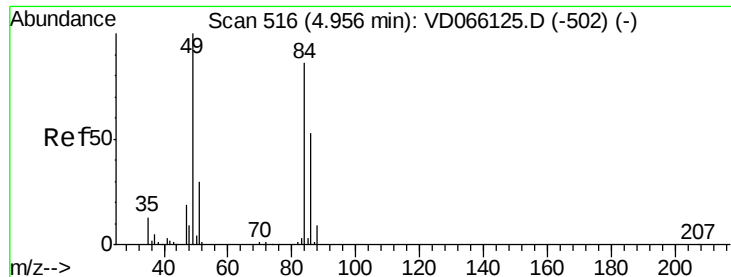


#16

Acetone
 Concen: 18.633 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VD066315.D
 Acq: 19 Aug 2020 13:38

Tgt Ion: 43 Resp: 4824
 Ion Ratio Lower Upper
 43 100
 58 14.3 24.7 37.1#

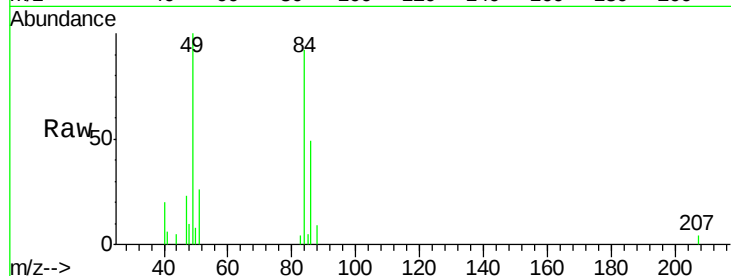




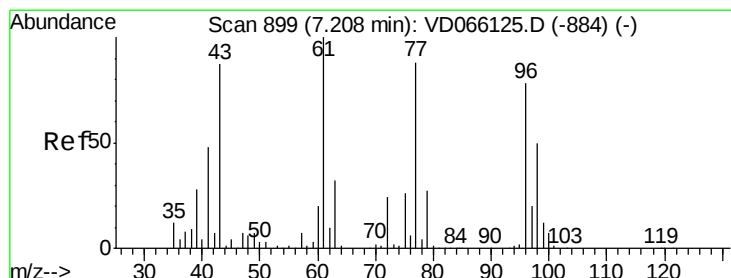
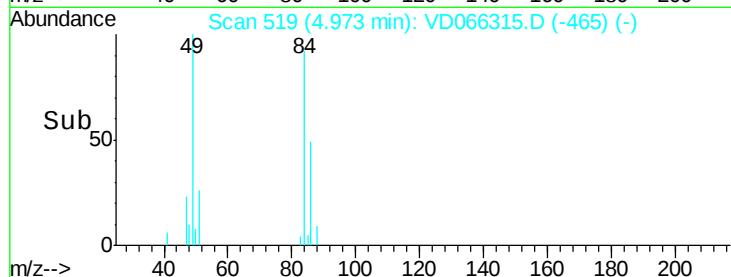
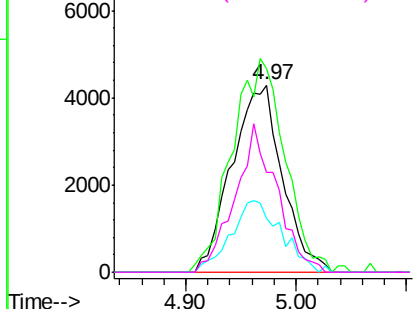
#20
Methylene Chloride
Concen: 5.037 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.02 min
Lab File: VD066315.D
Acq: 19 Aug 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB179-GW-738-740

Tgt Ion:	84	Resp:	13725
Ion	Ratio	Lower	Upper
84	100		
49	108.4	93.5	140.3
51	28.6	28.2	42.4
86	53.4	49.5	74.3

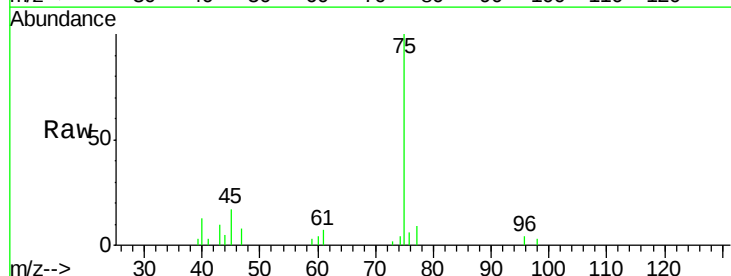


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

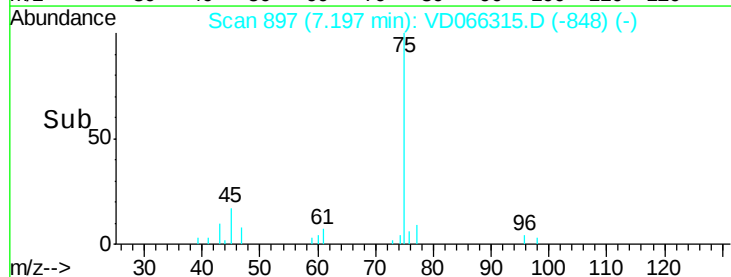
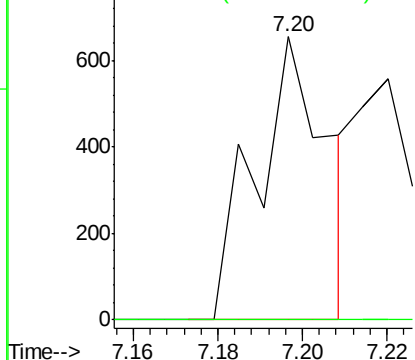


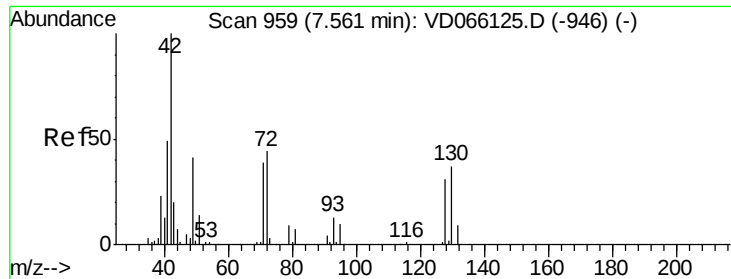
#25
2-Butanone
Concen: 2.009 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD066315.D
Acq: 19 Aug 2020 13:38

Tgt Ion:	43	Resp:	765
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.2	33.2#



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

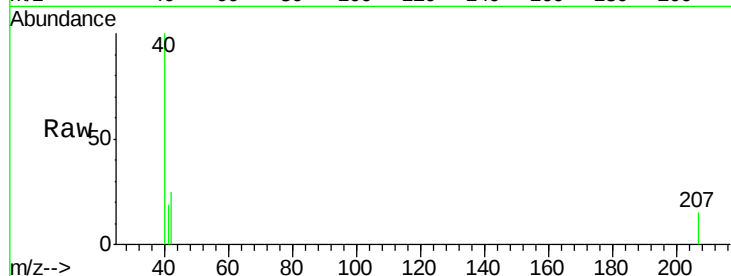




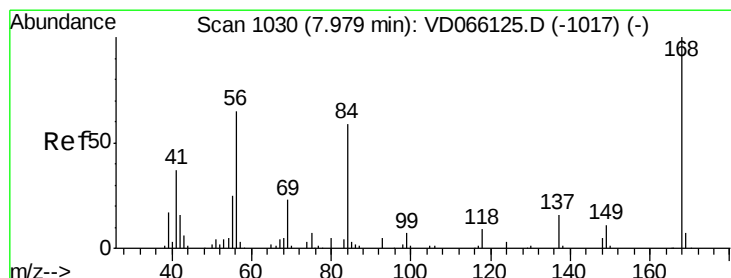
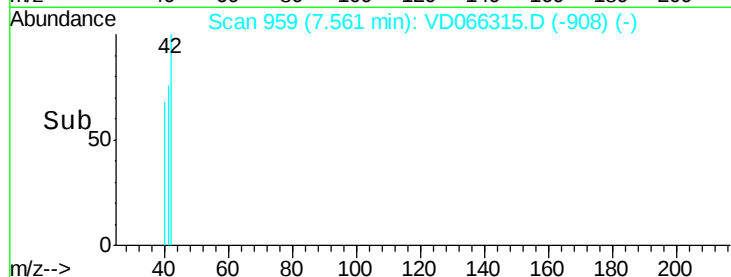
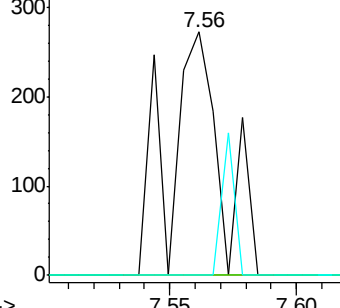
#29
Tetrahydrofuran
Concen: 1.657 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066315.D
Acq: 19 Aug 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB179-GW-738-740

Tgt Ion: 42 Resp: 391
Ion Ratio Lower Upper
42 100
72 0.0 34.8 52.2#
71 14.3 33.5 50.3#

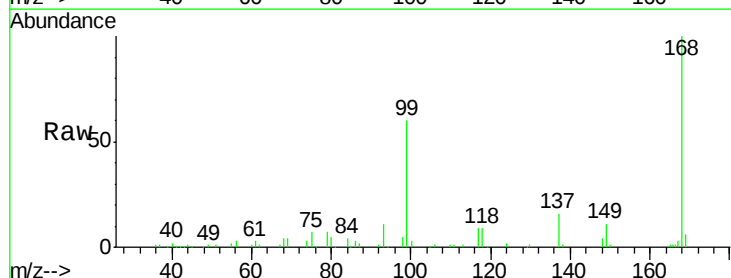


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

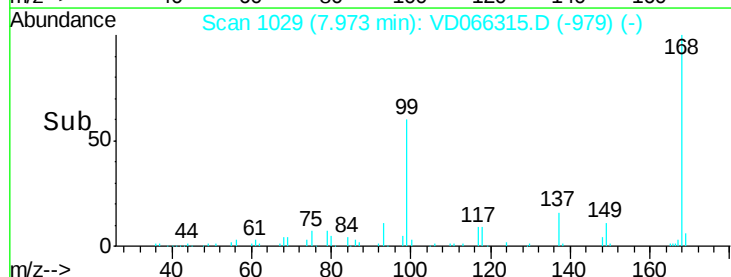
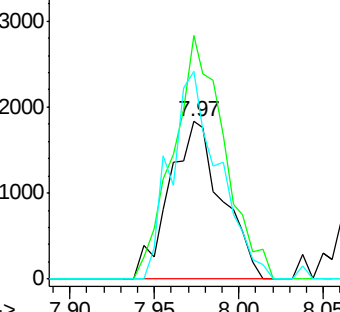


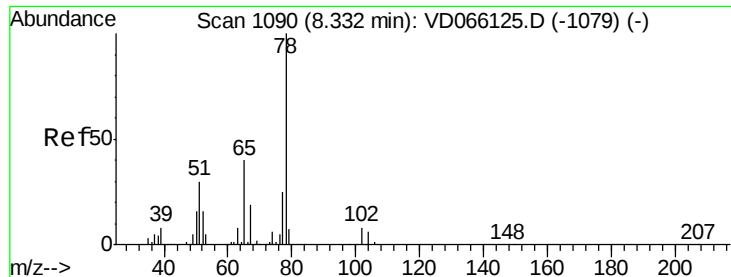
#31
Cyclohexane
Concen: 1.660 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066315.D
Acq: 19 Aug 2020 13:38

Tgt Ion: 56 Resp: 3969
Ion Ratio Lower Upper
56 100
69 154.8 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: 56.834 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066315.D

Acq: 19 Aug 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

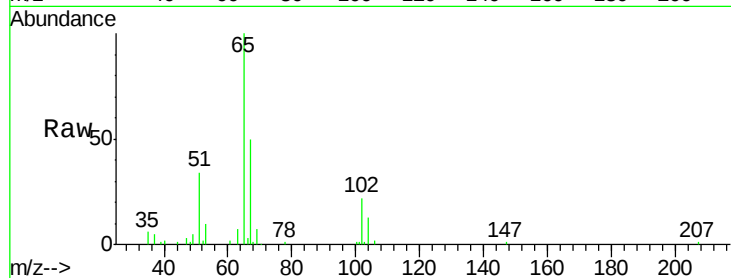
BP-VPB179-GW-738-740

Tgt Ion: 65 Resp: 77546

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

30000

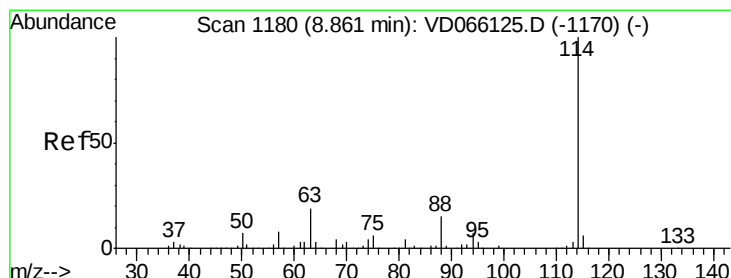
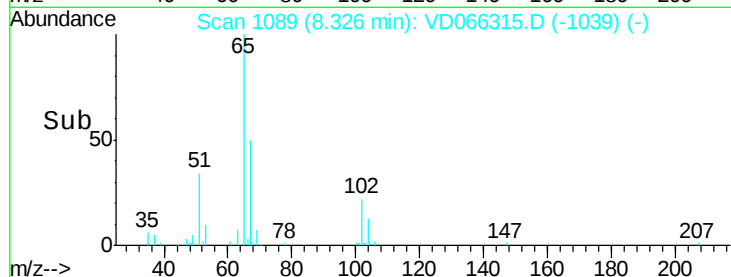
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066315.D

Acq: 19 Aug 2020 13:38

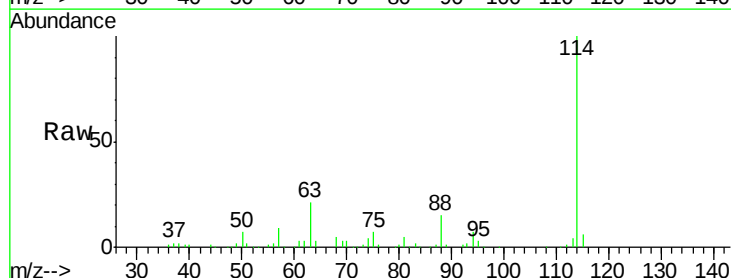
Tgt Ion: 114 Resp: 235782

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.6

88 15.0 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

150000

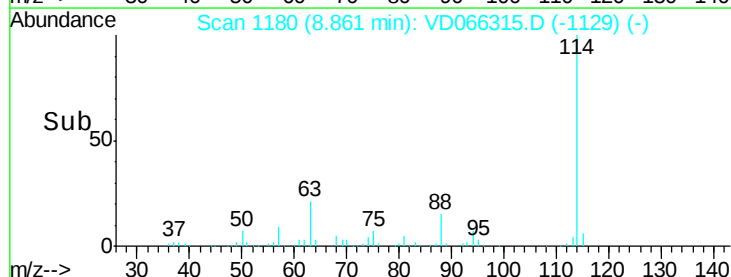
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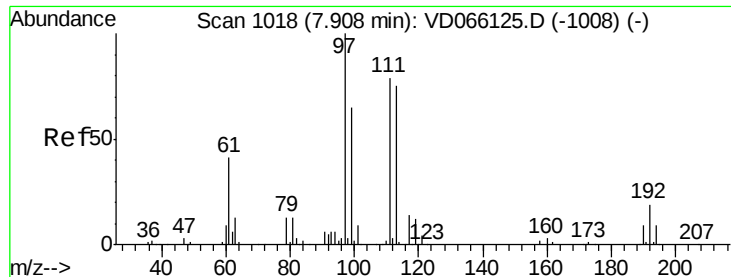
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0

8.80 8.86 8.90 9.00

Time-->

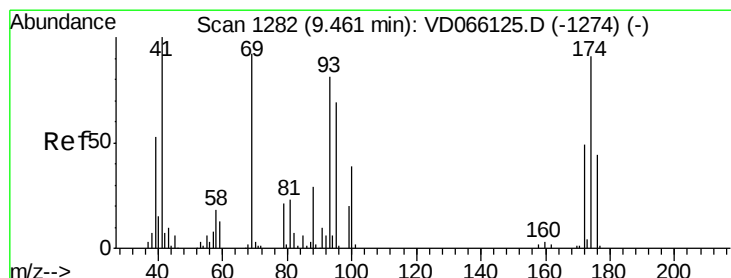
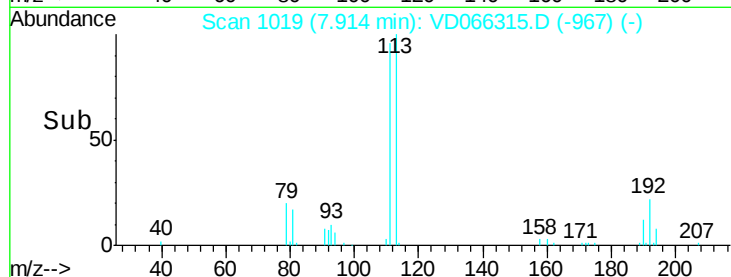
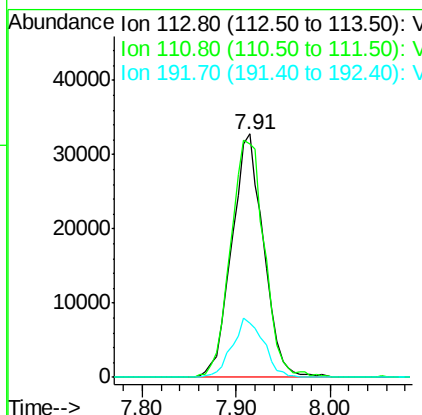
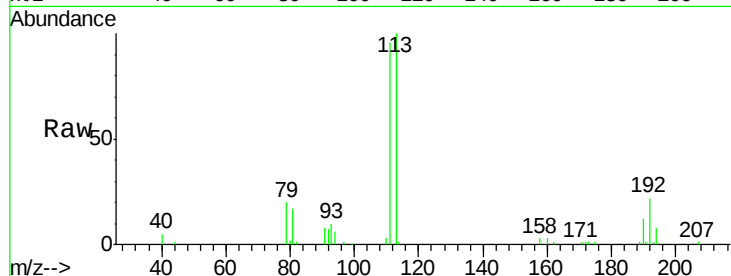




#35
 Dibromofluoromethane
 Concen: 51.369 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066315.D
 Acq: 19 Aug 2020 13:38

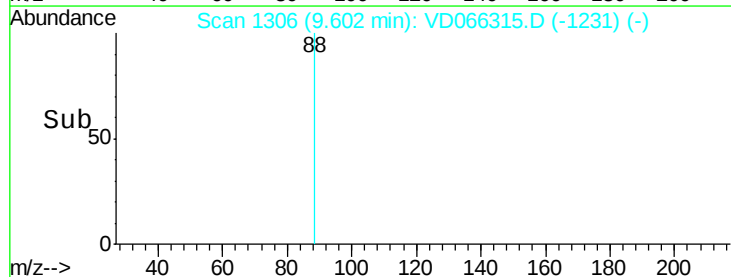
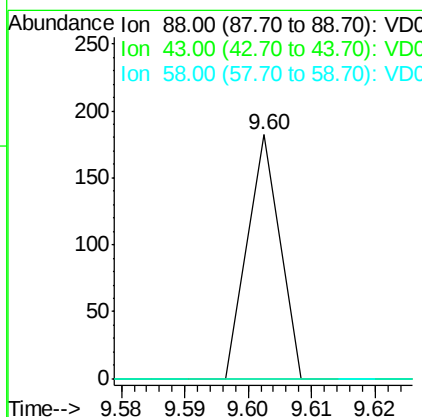
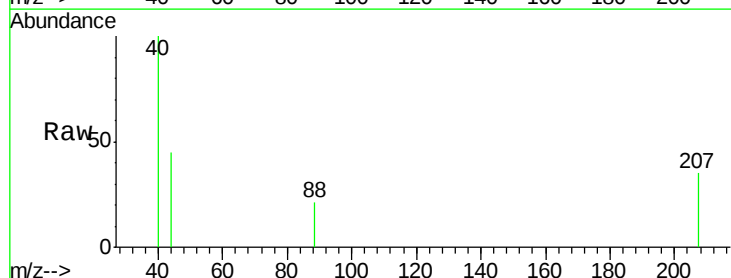
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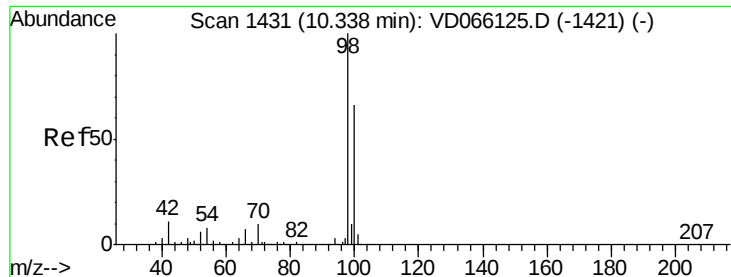
Tgt Ion:113 Resp: 76728
 Ion Ratio Lower Upper
 113 100
 111 104.1 80.7 121.1
 192 23.8 18.4 27.6



#49
 1,4-Dioxane
 Concen: 6.016 ug/l
 RT: 9.60 min Scan# 1306
 Delta R.T. 0.14 min
 Lab File: VD066315.D
 Acq: 19 Aug 2020 13:38

Tgt Ion: 88 Resp: 64
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.5 41.3#
 58 0.0 50.2 75.4#

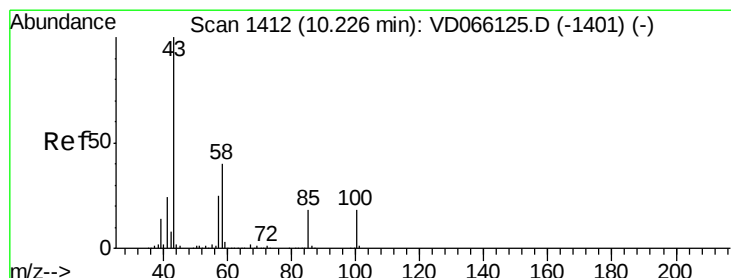
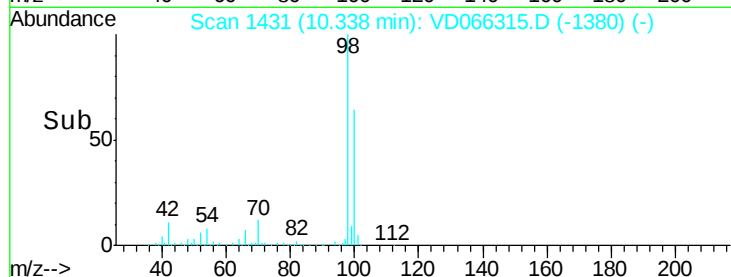
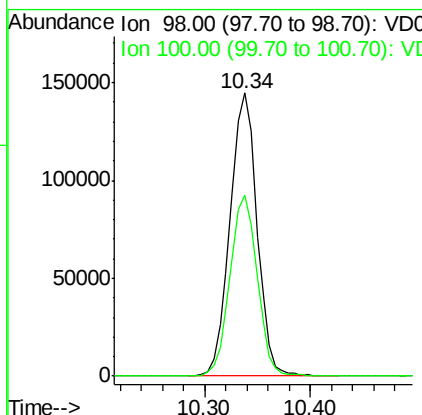
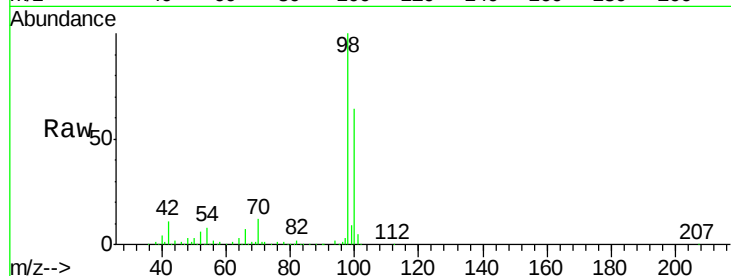




#50
Toluene-d8
Concen: 46.356 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066315.D
Acq: 19 Aug 2020 13:38

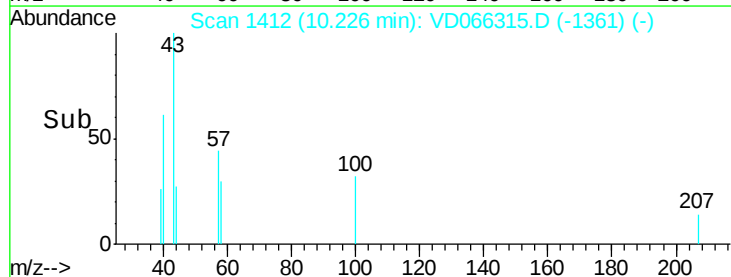
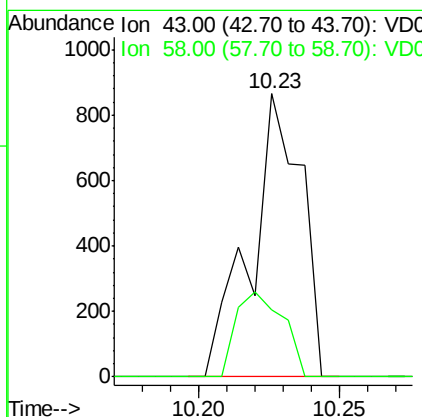
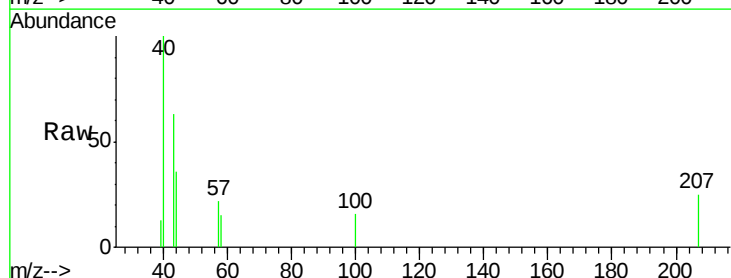
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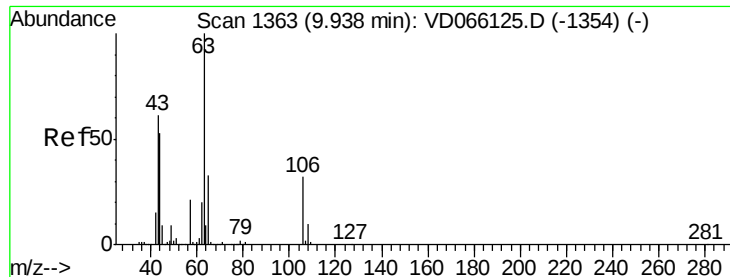
Tgt Ion: 98 Resp: 255512
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.205 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066315.D
Acq: 19 Aug 2020 13:38

Tgt Ion: 43 Resp: 1071
Ion Ratio Lower Upper
43 100
58 28.0 31.1 46.7#





#58

2-Chloroethyl Vinyl ether

Concen: 1.029 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066315.D

Acq: 19 Aug 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

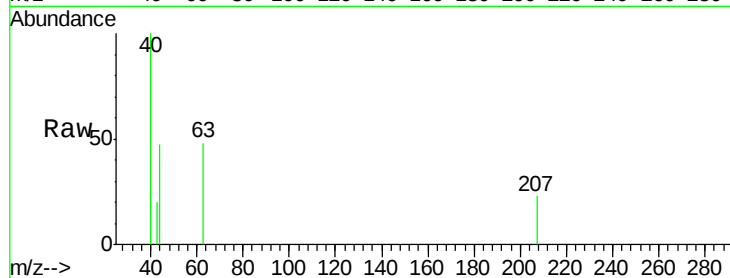
BP-VPB179-GW-738-740

Tgt Ion: 63 Resp: 663

Ion Ratio Lower Upper

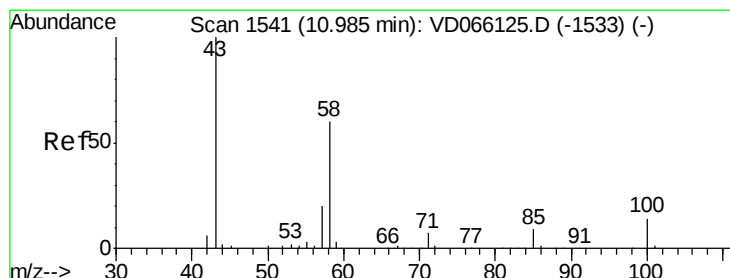
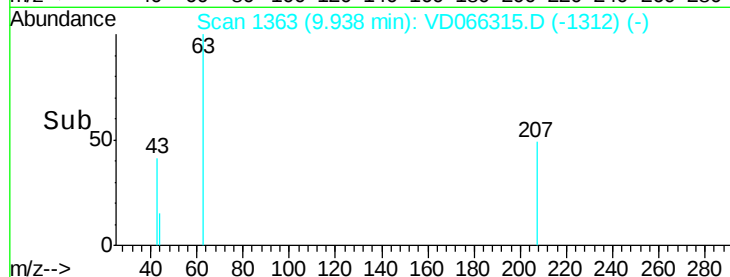
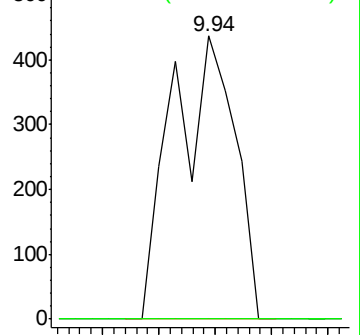
63 100

106 0.0 25.3 37.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC



#59

2-Hexanone

Concen: 1.188 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. 0.00 min

Lab File: VD066315.D

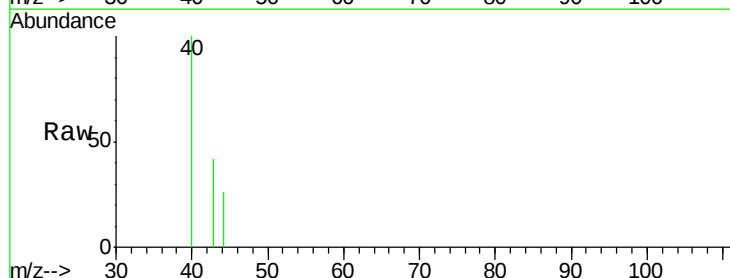
Acq: 19 Aug 2020 13:38

Tgt Ion: 43 Resp: 741

Ion Ratio Lower Upper

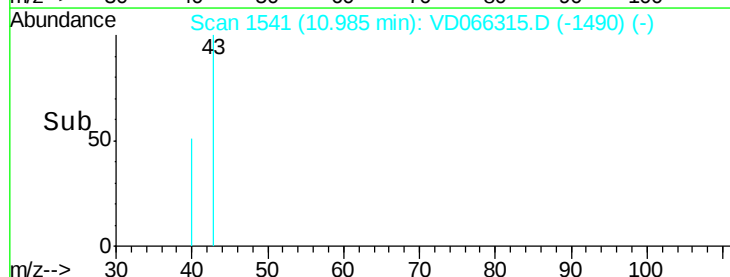
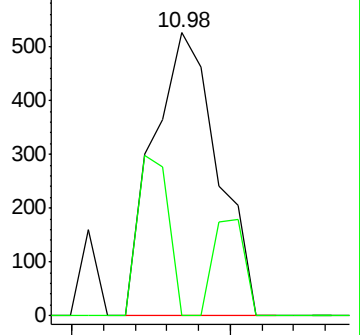
43 100

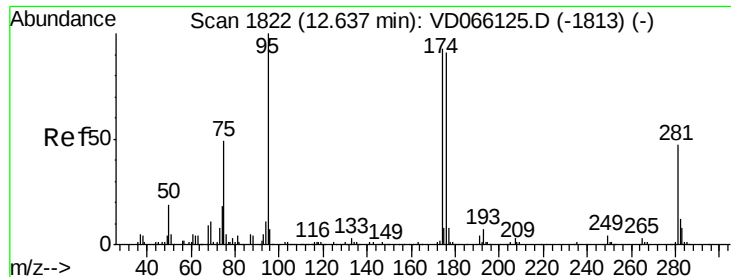
58 27.4 27.8 83.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 42.063 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066315.D

Acq: 19 Aug 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB179-GW-738-740

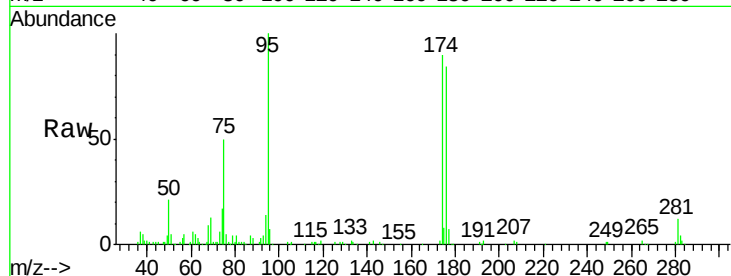
Tgt Ion: 95 Resp: 83572

Ion Ratio Lower Upper

95 100

174 90.9 0.0 180.8

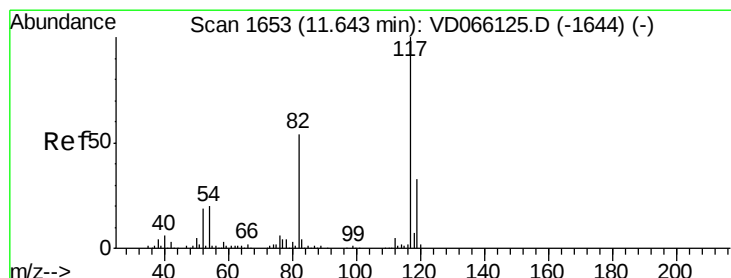
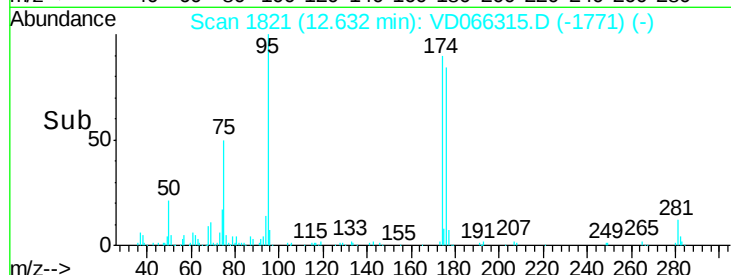
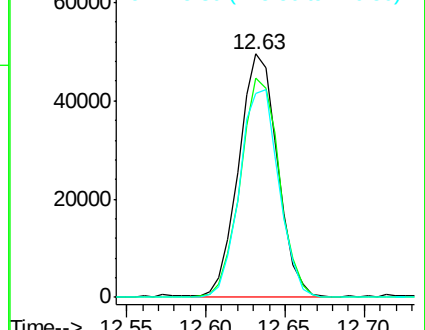
176 86.8 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066315.D

Acq: 19 Aug 2020 13:38

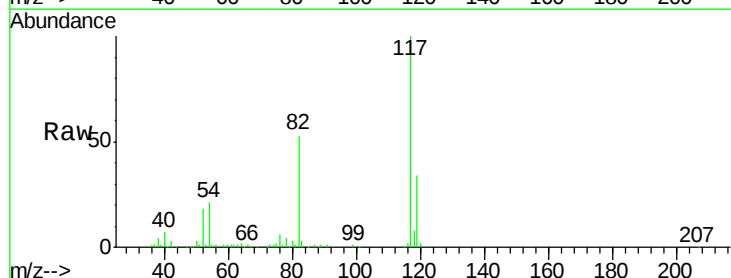
Tgt Ion: 117 Resp: 207716

Ion Ratio Lower Upper

117 100

82 52.5 43.0 64.4

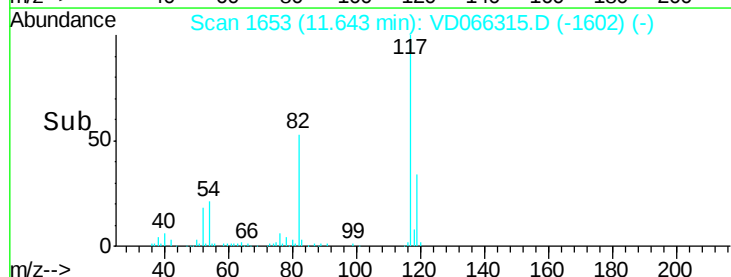
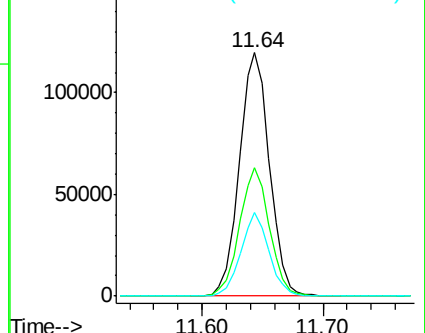
119 34.1 26.1 39.1

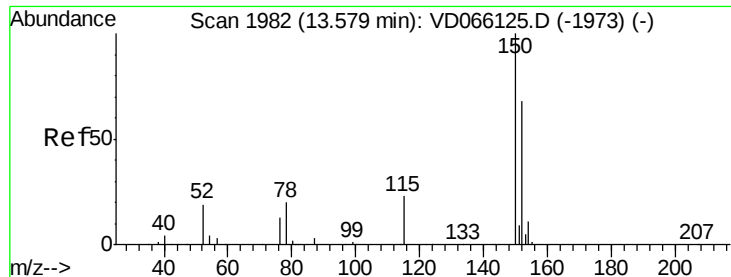


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066315.D

Acq: 19 Aug 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB179-GW-738-740

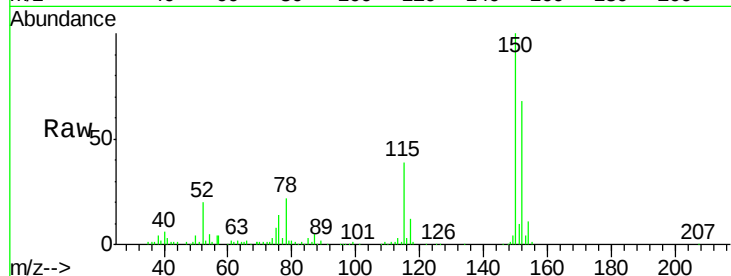
Tgt Ion:152 Resp: 88971

Ion Ratio Lower Upper

152 100

115 55.3 28.0 83.9

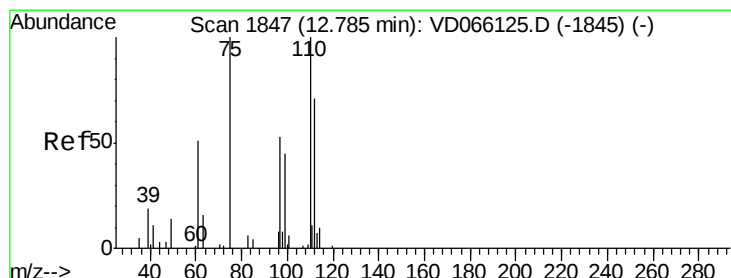
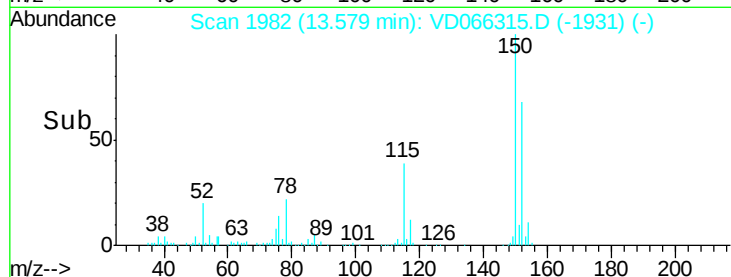
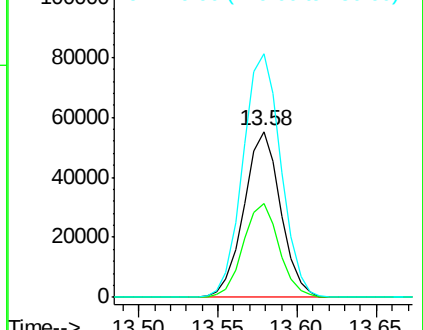
150 151.8 0.0 346.4



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: 58.405 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066315.D

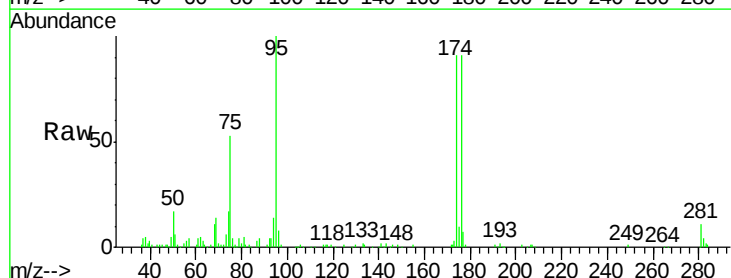
Acq: 19 Aug 2020 13:38

Tgt Ion: 75 Resp: 43334

Ion Ratio Lower Upper

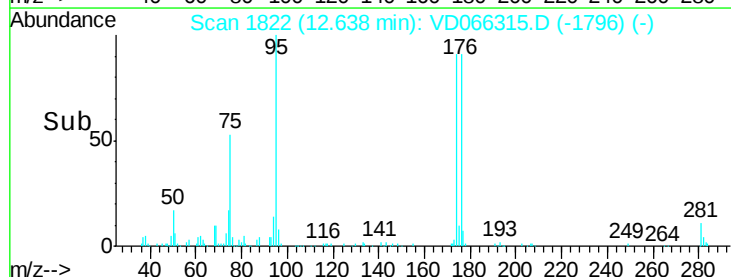
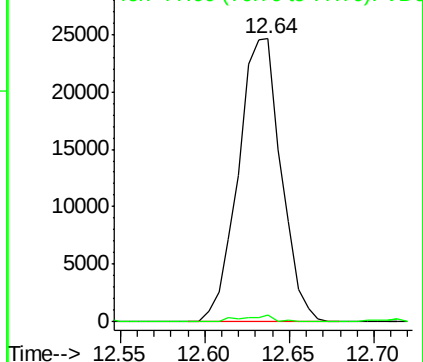
75 100

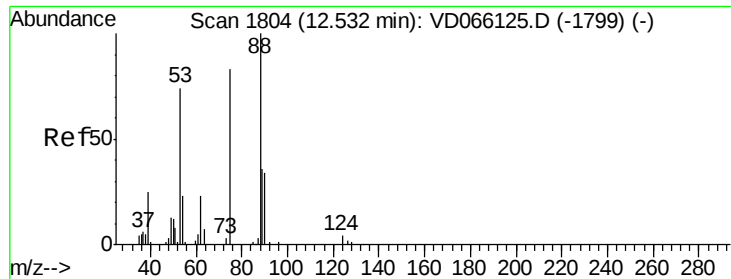
77 1.8 0.0 0.0#



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: 129.108 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066315.D

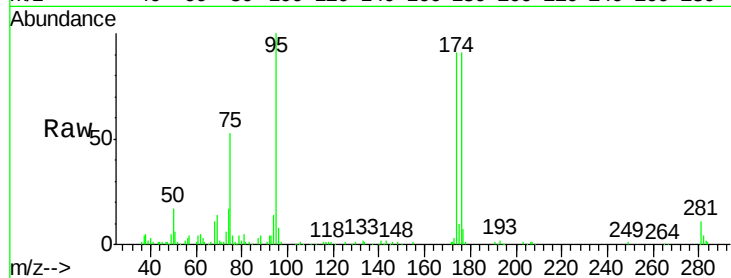
Acq: 19 Aug 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB179-GW-738-740



Tgt Ion: 75 Resp: 43334

Ion Ratio Lower Upper

75 100

53 0.3 73.4 110.2#

89 0.0 36.6 55.0#

