

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081320\
 Data File : VD066222.D
 Acq On : 13 Aug 2020 20:42
 Operator : VA/SY
 Sample : L3660-07
 Misc : 7.50G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-58

Quant Time: Aug 14 03:05:05 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	295879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	485589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	590278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	327503	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	128826	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
35) Dibromofluoromethane	7.91	113	147446	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
50) Toluene-d8	10.34	98	603791	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.63	95	281903	68.89	ug/l	0.00
Spiked Amount			Recovery	=	137.78%	

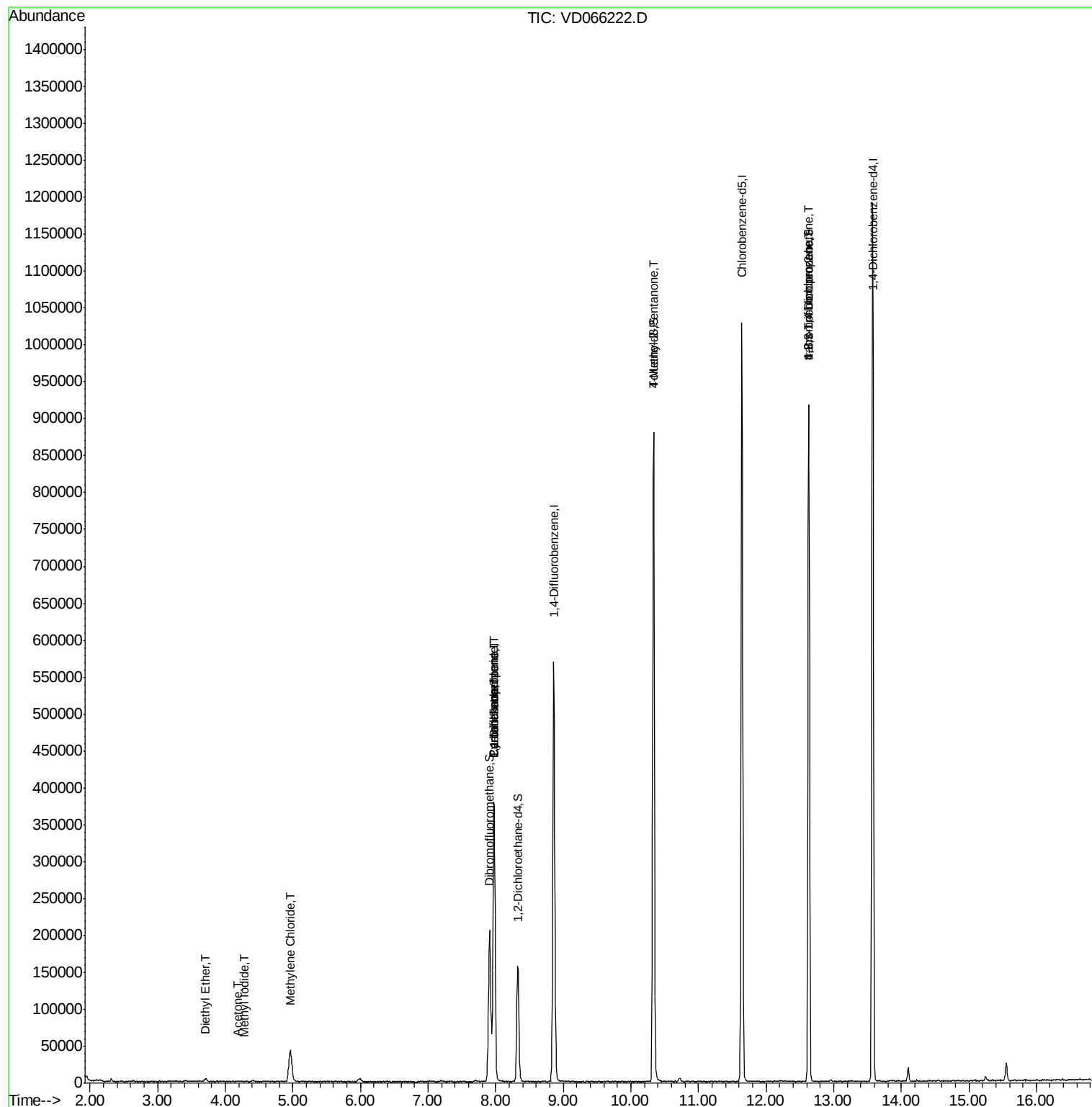
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	2013	1.524	ug/l	95
10) Methyl Iodide	4.28	142	117	6.751	ug/l #	39
11) Tert butyl alcohol	5.22	59	107	Below Cal	#	76
16) Acetone	4.18	43	682	1.362	ug/l #	44
20) Methylene Chloride	4.96	84	32572	7.344	ug/l	89
31) Cyclohexane	7.97	56	5597	1.210	ug/l #	10
36) 1,1-Dichloropropene	7.98	75	21428	4.696	ug/l #	50
38) Carbon Tetrachloride	7.97	117	29268	5.752	ug/l #	14
51) 4-Methyl-2-Pentanone	10.33	43	2945	1.610	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	146656	53.698	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	146656	118.702	ug/l #	13

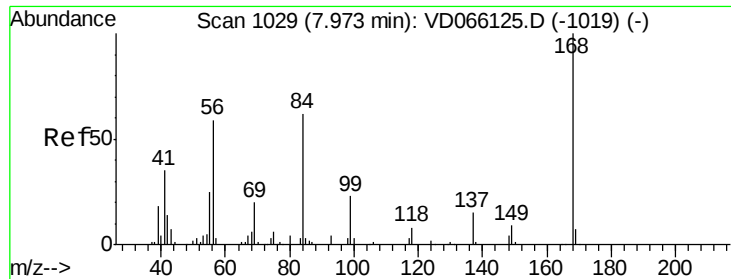
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081320\
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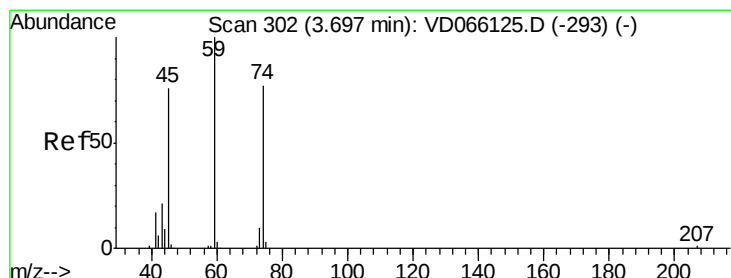
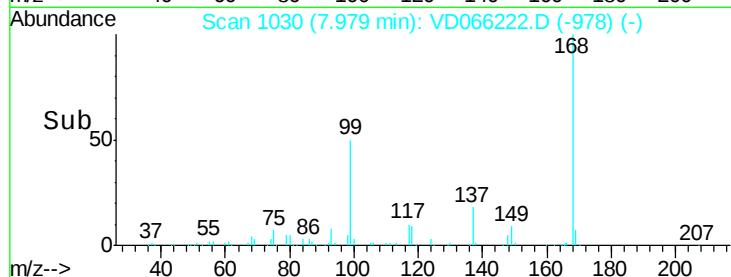
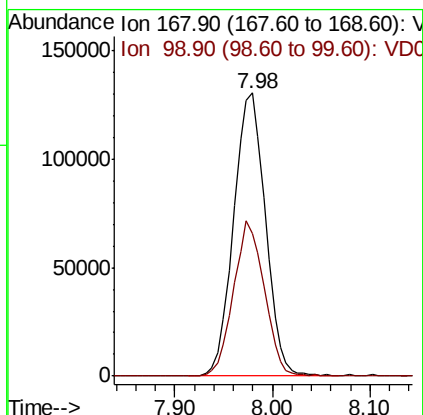
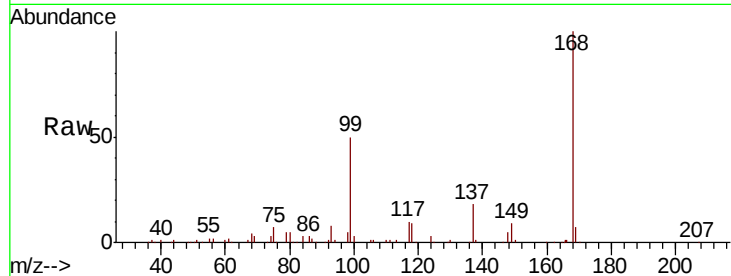




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VD066222.D
Acq: 13 Aug 2020 20:42

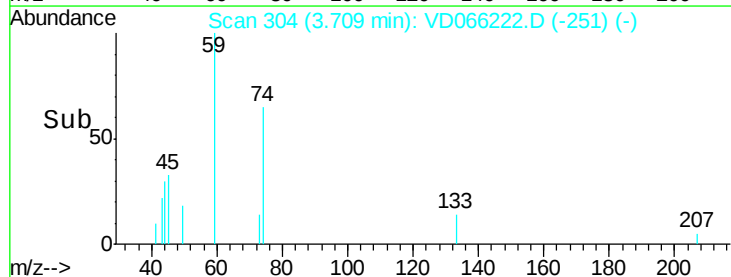
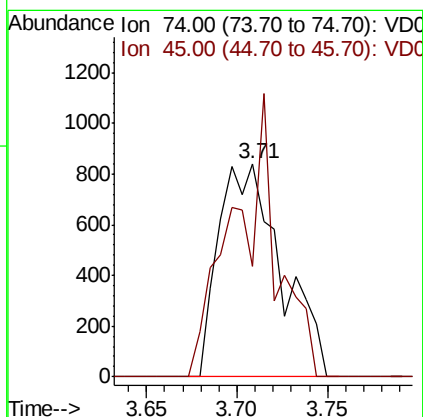
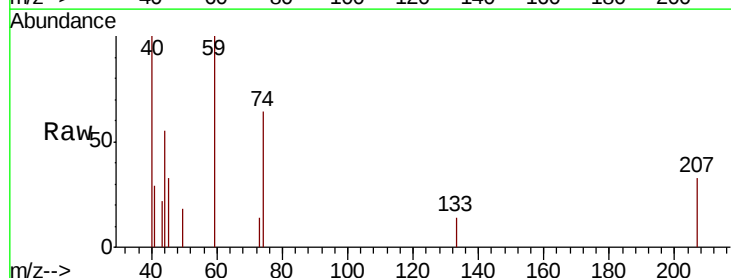
Instrument :
MSVOA_D
ClientSampleId :
RBR-58

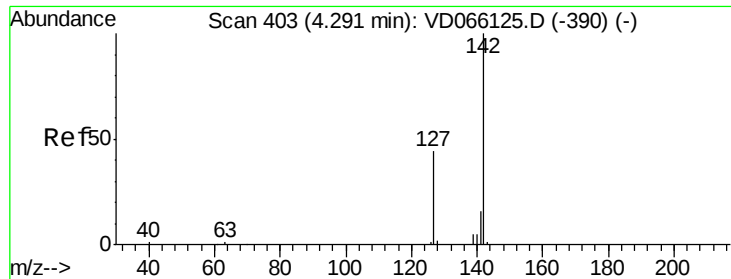
Tot Ion:168 Resp: 295879
Ion Ratio Lower Upper
168 100
99 50.4 42.2 63.4



#8
Diethyl Ether
Concen: 1.524 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD066222.D
Acq: 13 Aug 2020 20:42

Tgt Ion: 74 Resp: 2013
Ion Ratio Lower Upper
74 100
45 92.1 48.4 145.2

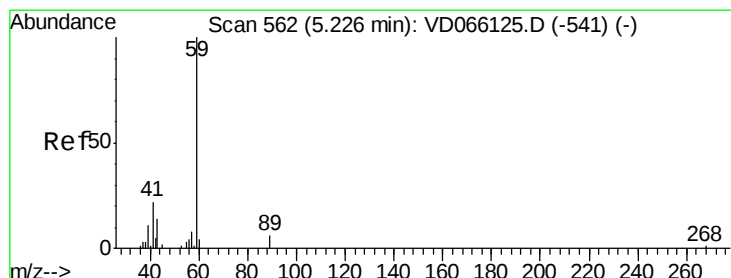
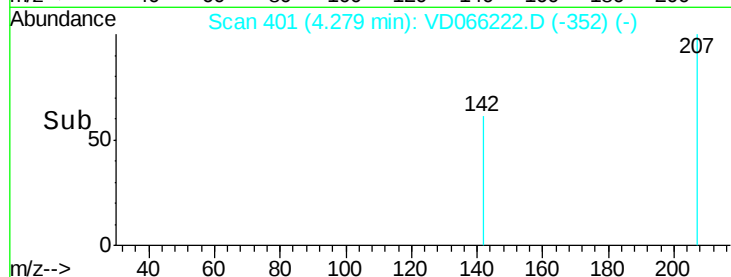
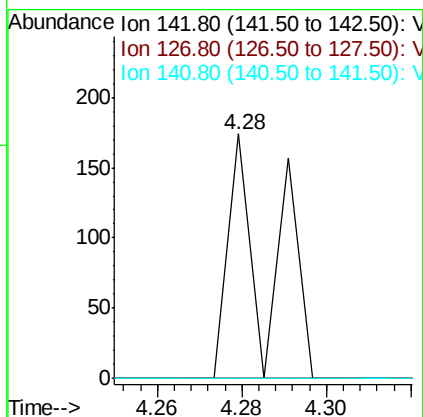
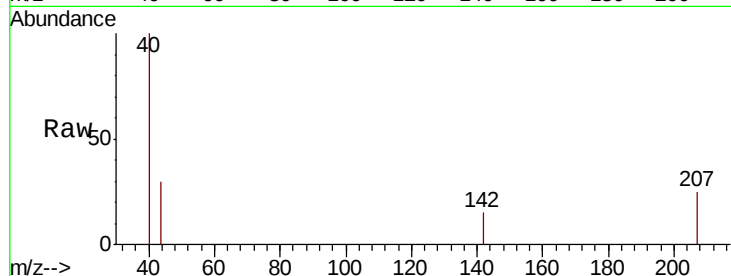




#10
Methvl Iodide
Concen: 6.751 ug/l
RT: 4.28 min Scan# 401
Delta R.T. -0.01 min
Lab File: VD066222.D
Acq: 13 Aug 2020 20:42

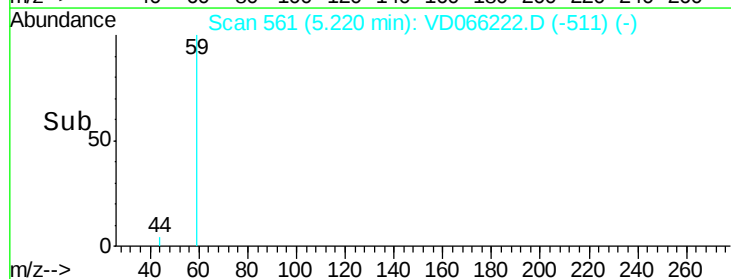
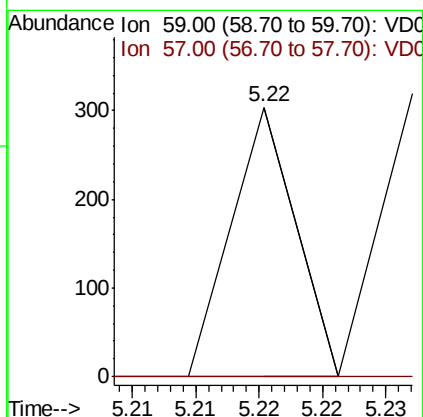
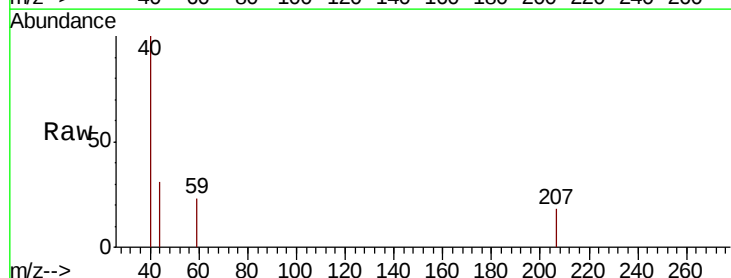
Instrument :
MSVOA_D
ClientSampleId :
RBR-58

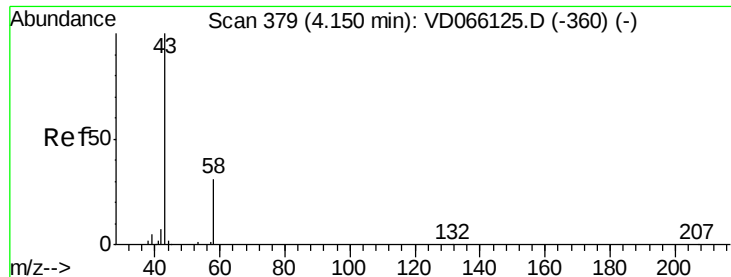
Tot Ion:142 Resp: 117
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.4#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD066222.D
Acq: 13 Aug 2020 20:42

Tgt Ion: 59 Resp: 107
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#





#16

Acetone

Concen: 1.362 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.03 min

Lab File: VD066222.D

Acq: 13 Aug 2020 20:42

Instrument :

MSVOA_D

ClientSampled :

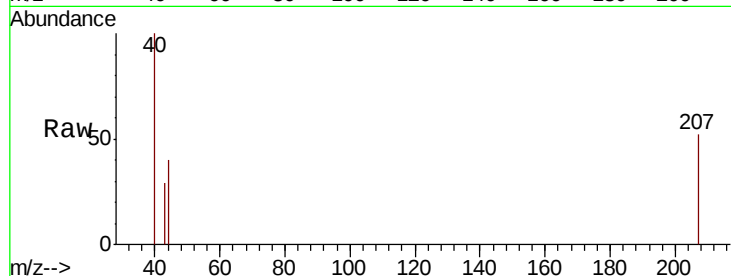
RBR-58

Tot Ion: 43 Resp: 682

Ion Ratio Lower Upper

43 100

58 0.0 24.7 37.1#

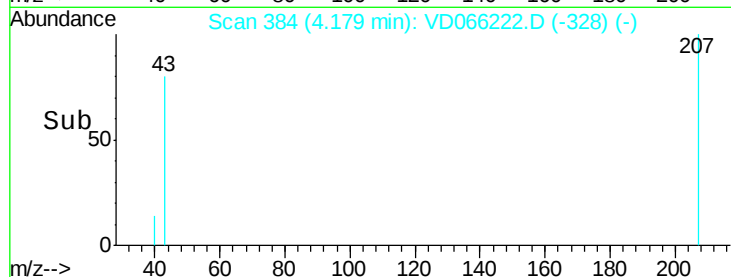


Abundance Ion 43.00 (42.70 to 43.70): VDC

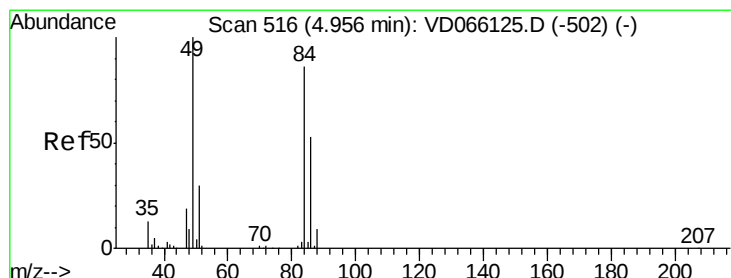
Ion 58.00 (57.70 to 58.70): VDC

4.18

4.10 4.15 4.20



Time-->



#20

Methylene Chloride

Concen: 7.344 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066222.D

Acq: 13 Aug 2020 20:42

Tgt Ion: 84 Resp: 32572

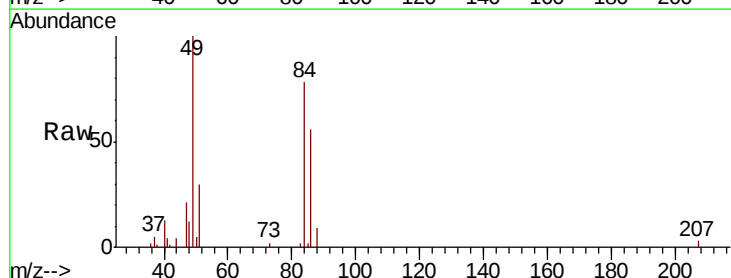
Ion Ratio Lower Upper

84 100

49 128.8 93.5 140.3

51 39.0 28.2 42.4

86 72.1 49.5 74.3



Abundance Ion 83.90 (83.60 to 84.60): VDC

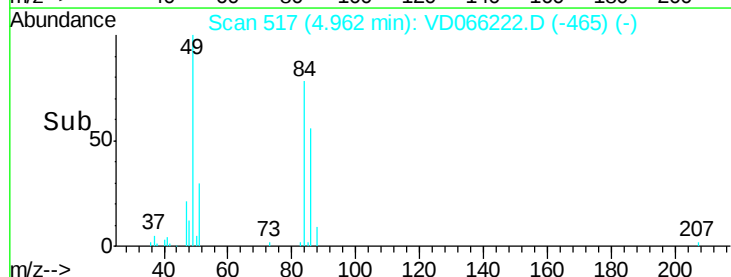
Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

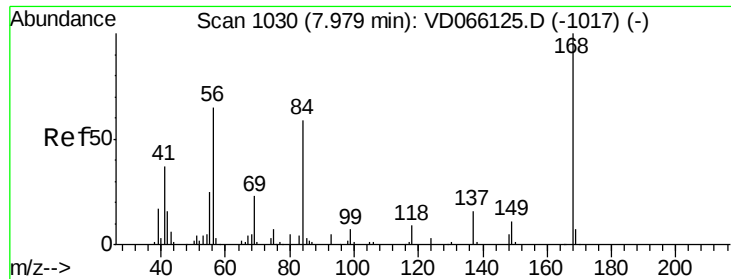
Ion 85.90 (85.60 to 86.60): VDC

4.96

4.90 5.00



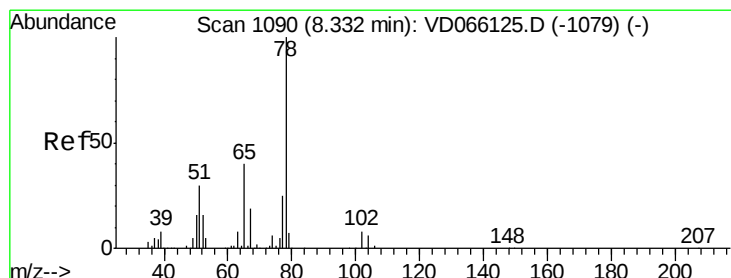
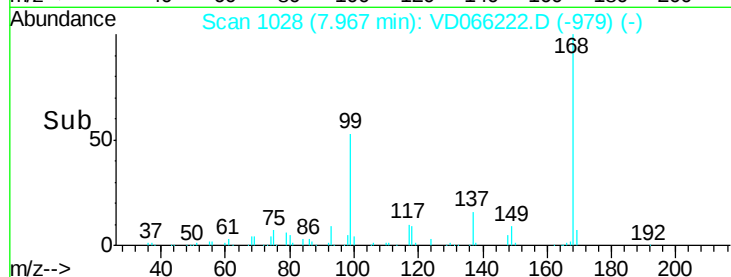
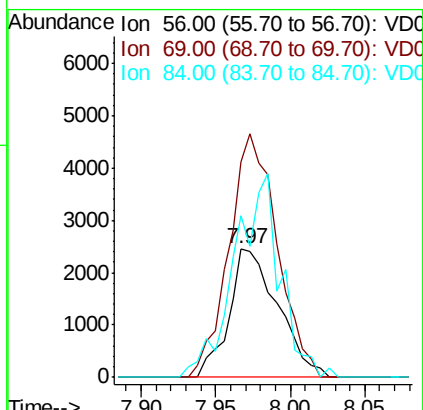
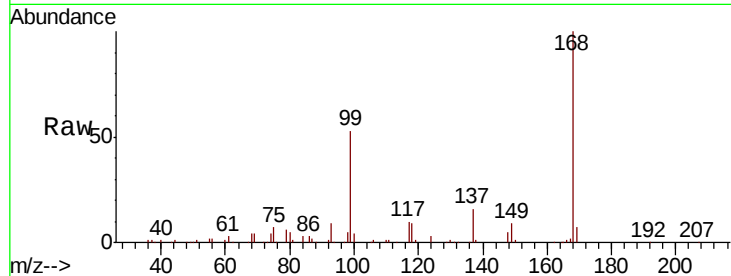
Time-->



#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD066222.D
Acq: 13 Aug 2020 20:42

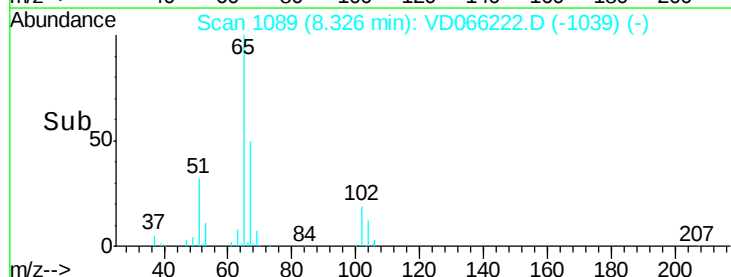
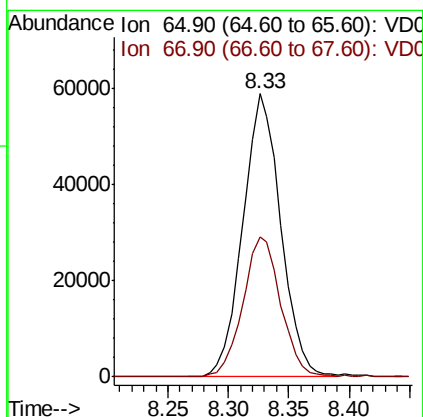
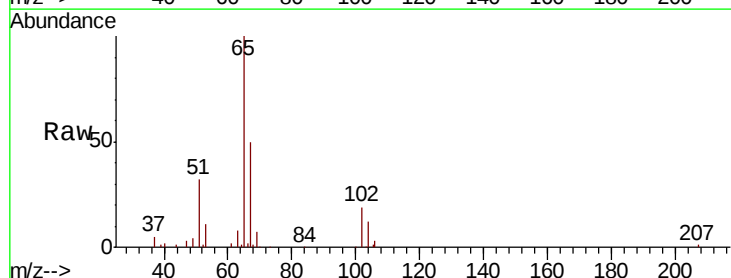
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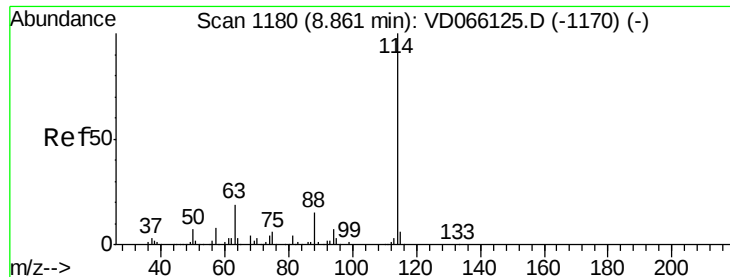
Tot Ion: 56 Resp: 5597
Ion Ratio Lower Upper
56 100
69 168.3 28.8 43.2#
84 125.6 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 48.803 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066222.D
Acq: 13 Aug 2020 20:42

Tgt Ion: 65 Resp: 128826
Ion Ratio Lower Upper
65 100
67 49.4 0.0 104.6

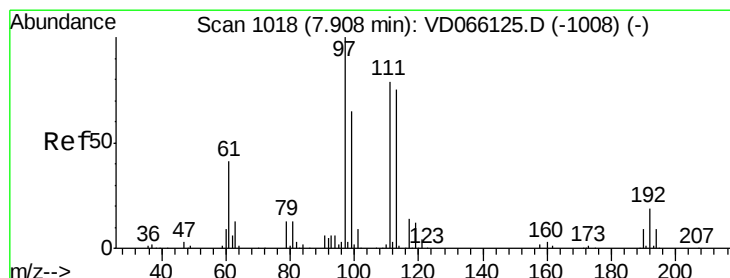
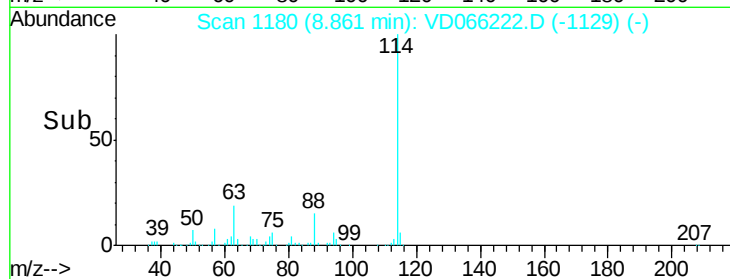
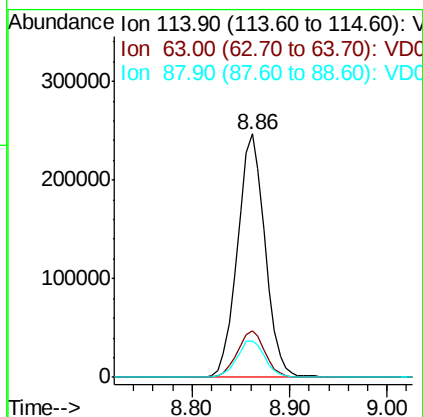
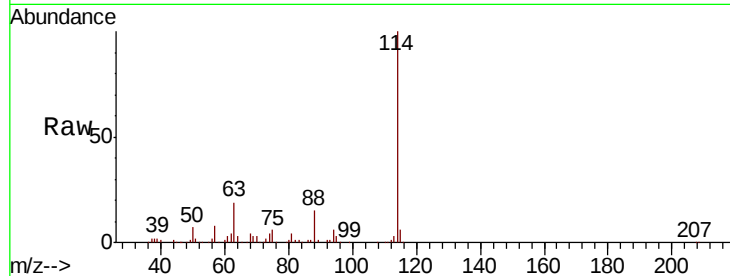




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066222.D
 Acq: 13 Aug 2020 20:42

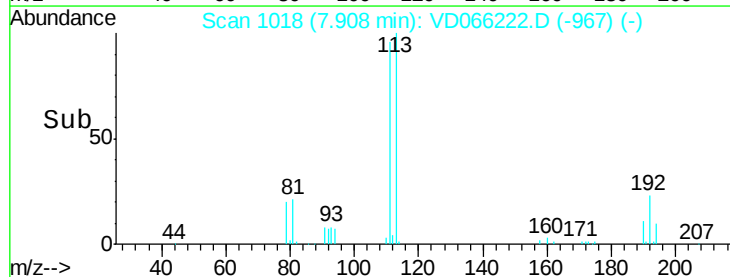
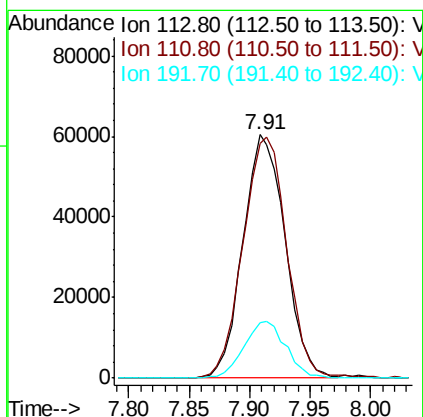
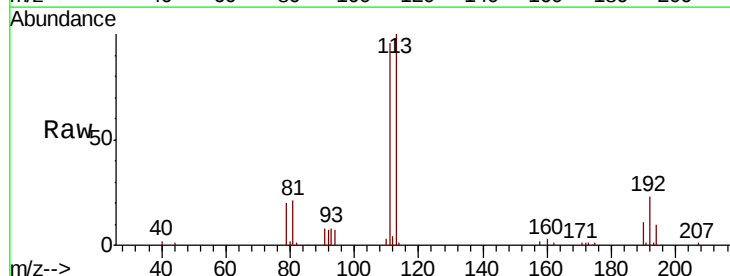
Instrument :
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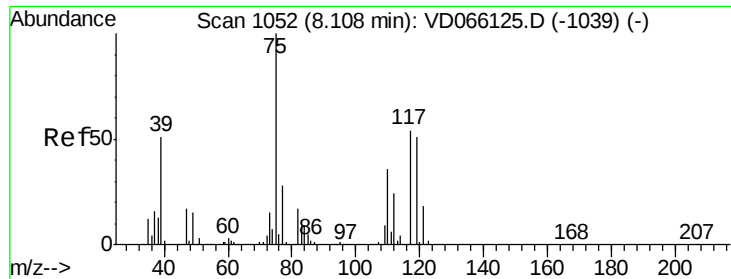
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.6
88	15.0	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 47.932 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066222.D
 Acq: 13 Aug 2020 20:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.7	121.1
192	23.2	18.4	27.6

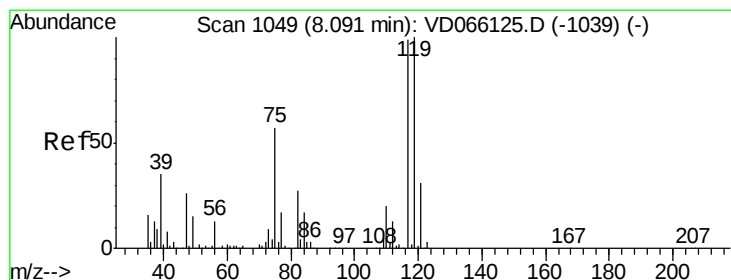
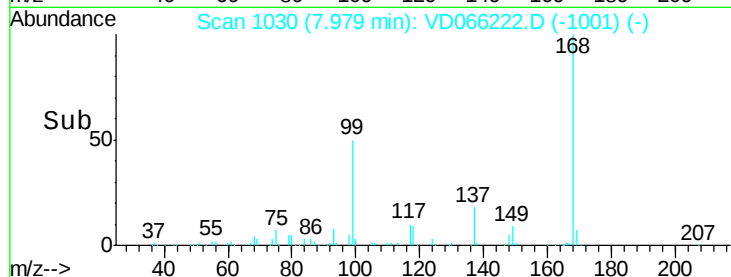
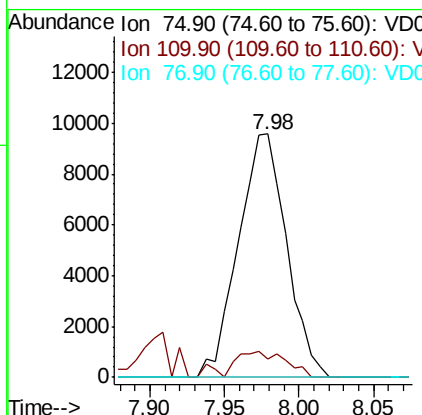
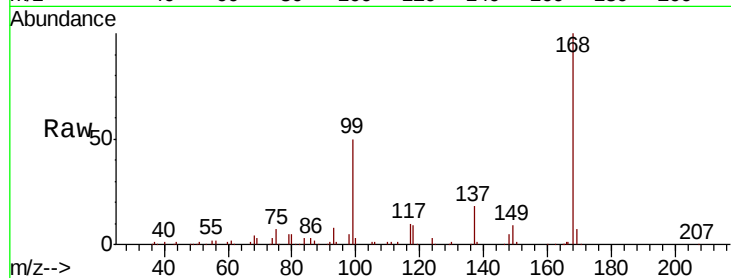




#36
 1,1-Dichloropropene
 Concen: 4.696 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066222.D
 Acq: 13 Aug 2020 20:42

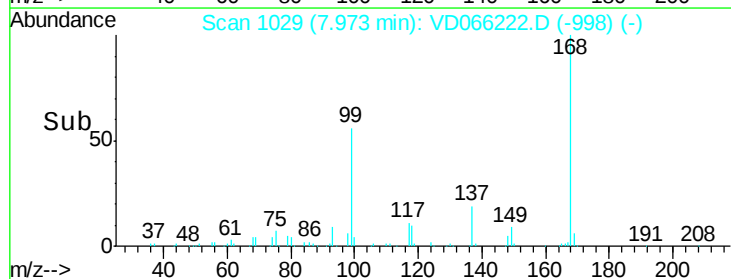
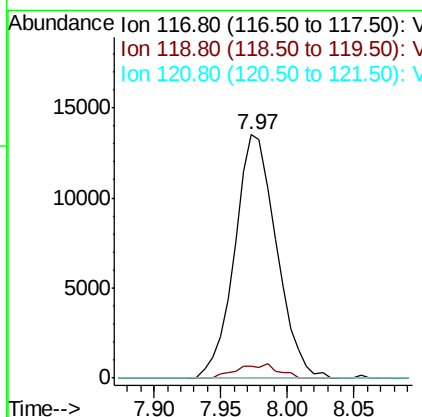
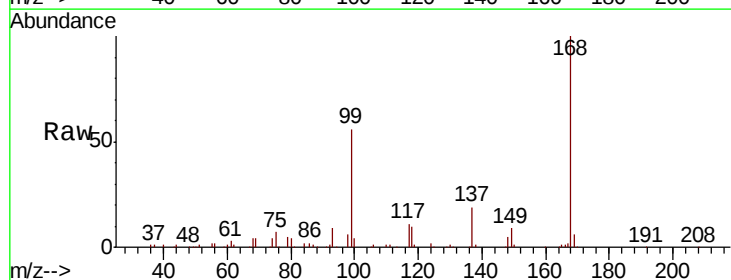
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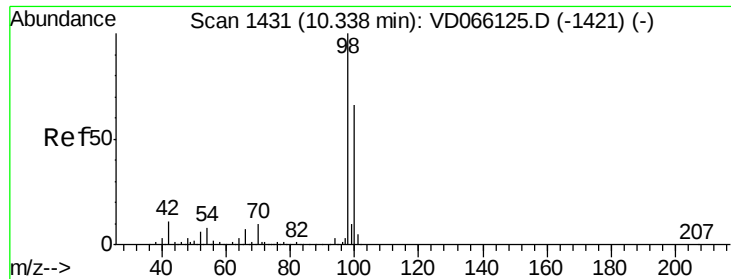
Tot Ion: 75 Resp: 21428
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.8 56.3#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 5.752 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066222.D
 Acq: 13 Aug 2020 20:42

Tgt Ion: 117 Resp: 29268
 Ion Ratio Lower Upper
 117 100
 119 5.1 81.0 121.4#
 121 0.0 24.8 37.2#

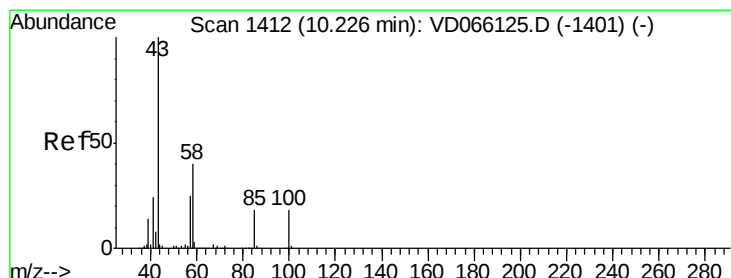
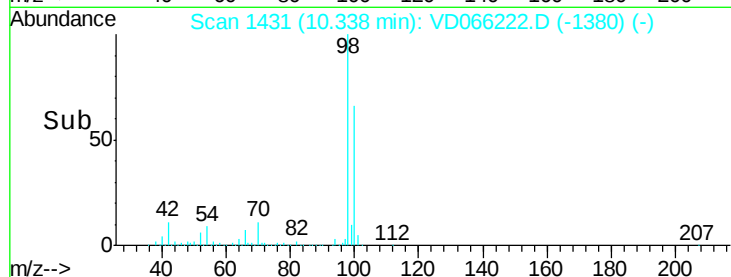
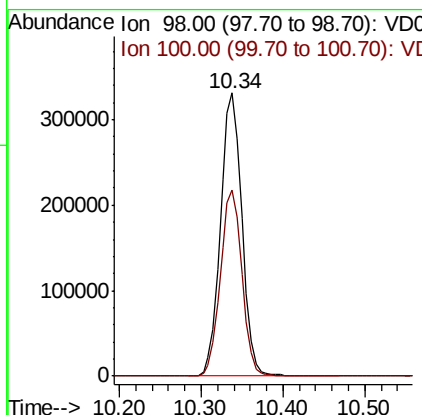
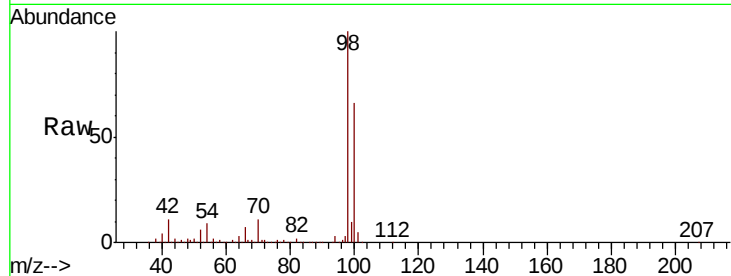




#50
Toluene-d8
Concen: 53.189 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066222.D
Acq: 13 Aug 2020 20:42

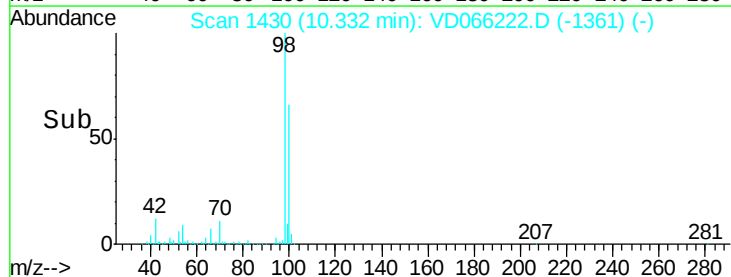
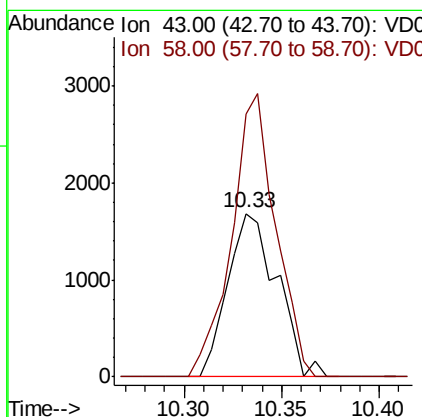
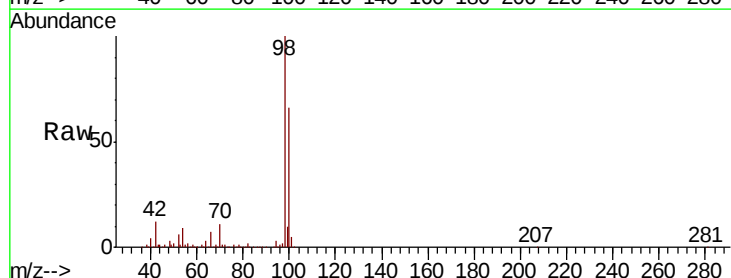
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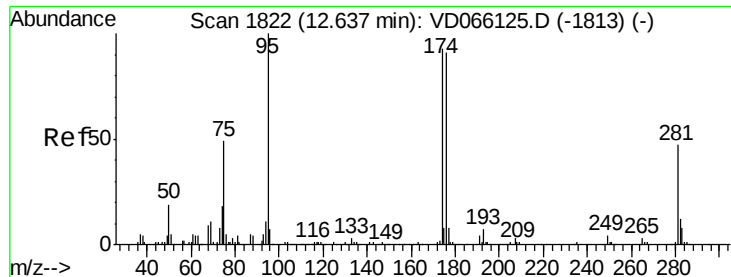
Tot Ion: 98 Resp: 603791
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.610 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. 0.11 min
Lab File: VD066222.D
Acq: 13 Aug 2020 20:42

Tgt Ion: 43 Resp: 2945
Ion Ratio Lower Upper
43 100
58 155.1 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 68.893 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066222.D

Acq: 13 Aug 2020 20:42

Instrument :

MSVOA_D

ClientSampleId :

RBR-58

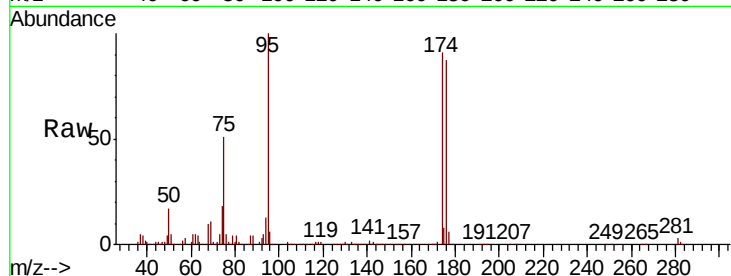
Tot Ion: 95 Resp: 281903

Ion Ratio Lower Upper

95 100

174 92.4 0.0 180.8

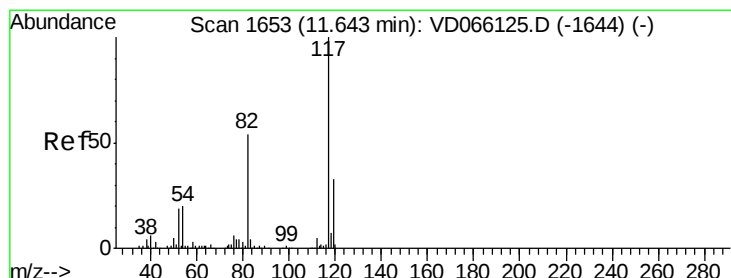
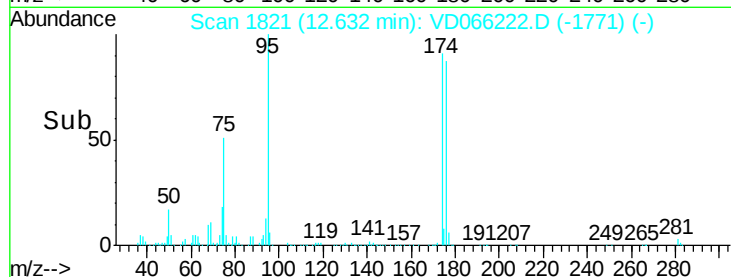
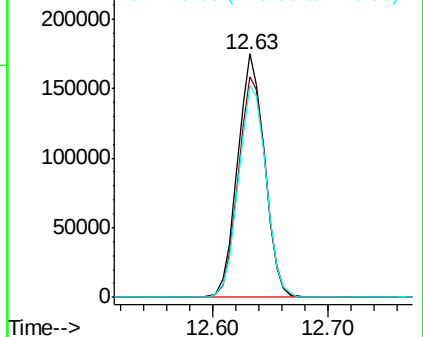
176 89.5 0.0 181.2



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: VD066222.D

Acq: 13 Aug 2020 20:42

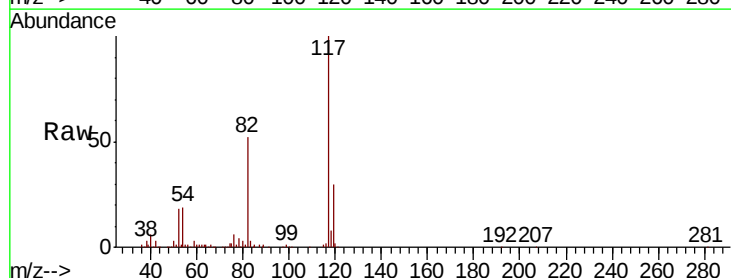
Tgt Ion: 117 Resp: 590278

Ion Ratio Lower Upper

117 100

82 51.7 43.0 64.4

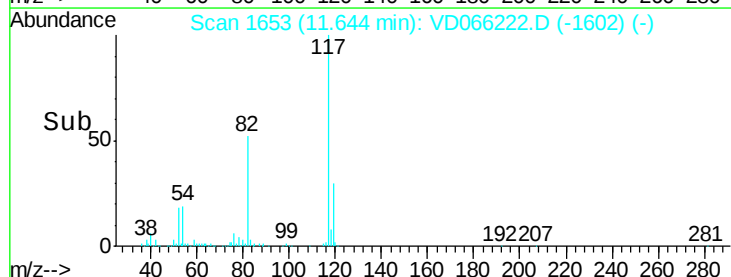
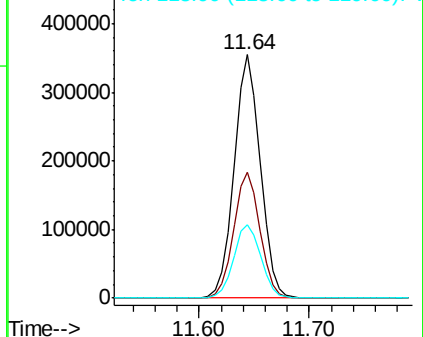
119 30.0 26.1 39.1

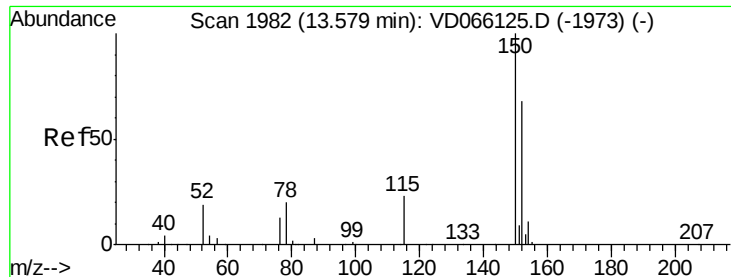


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066222.D

Acq: 13 Aug 2020 20:42

Instrument :

MSVOA_D

ClientSampleId :

RBR-58

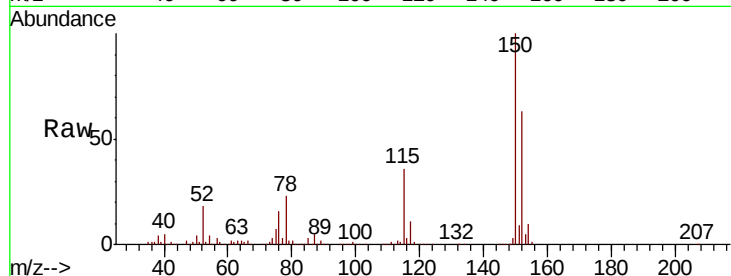
Tot Ion:152 Resp: 327503

Ion Ratio Lower Upper

152 100

115 56.8 28.0 83.9

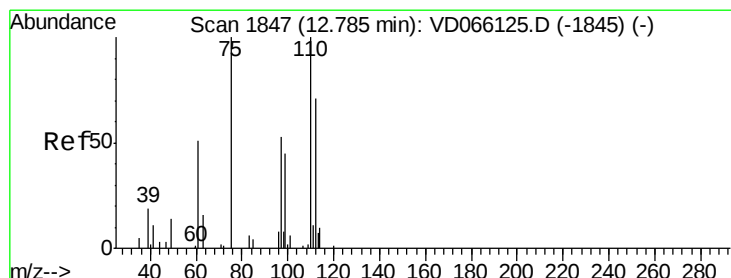
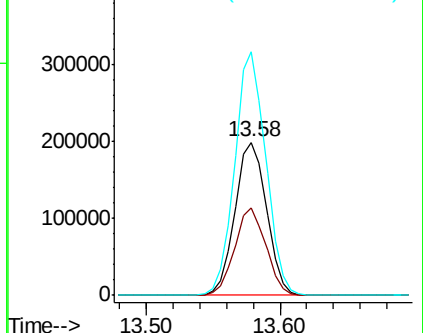
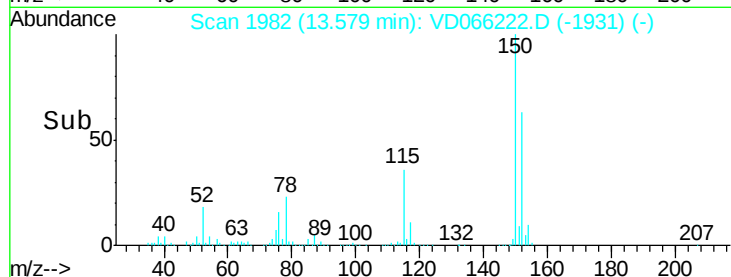
150 156.1 0.0 346.4



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: 53.698 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066222.D

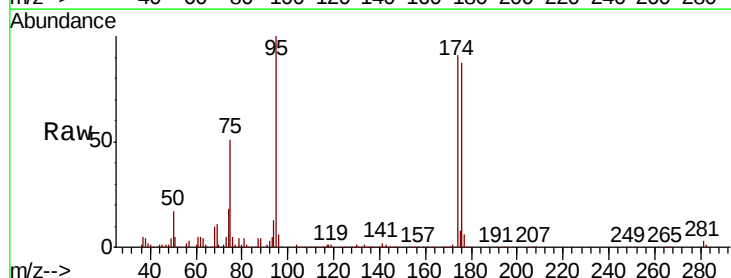
Acq: 13 Aug 2020 20:42

Tgt Ion: 75 Resp: 146656

Ion Ratio Lower Upper

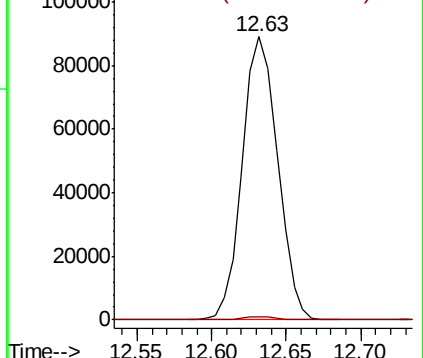
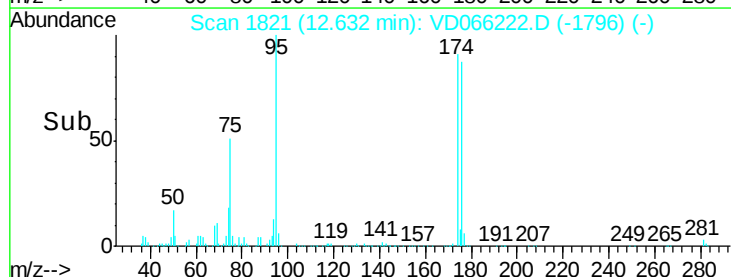
75 100

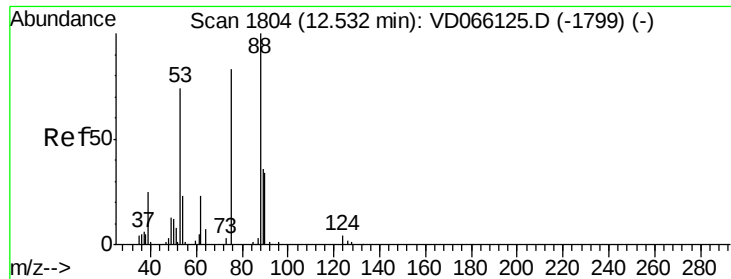
77 1.0 0.0 0.0#



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: 118.702 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066222.D

Acq: 13 Aug 2020 20:42

Instrument :

MSVOA_D

ClientSampleId :

RBR-58

Tot Ion: 75 Resp: 146656

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.1 36.6 55.0#

