

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
 Data File : VD066261.D
 Acq On : 17 Aug 2020 16:46
 Operator : VA/SY
 Sample : L3691-05
 Misc : 8.47G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S606-M-SO-1-1.5-081320

Quant Time: Aug 18 07:53:16 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

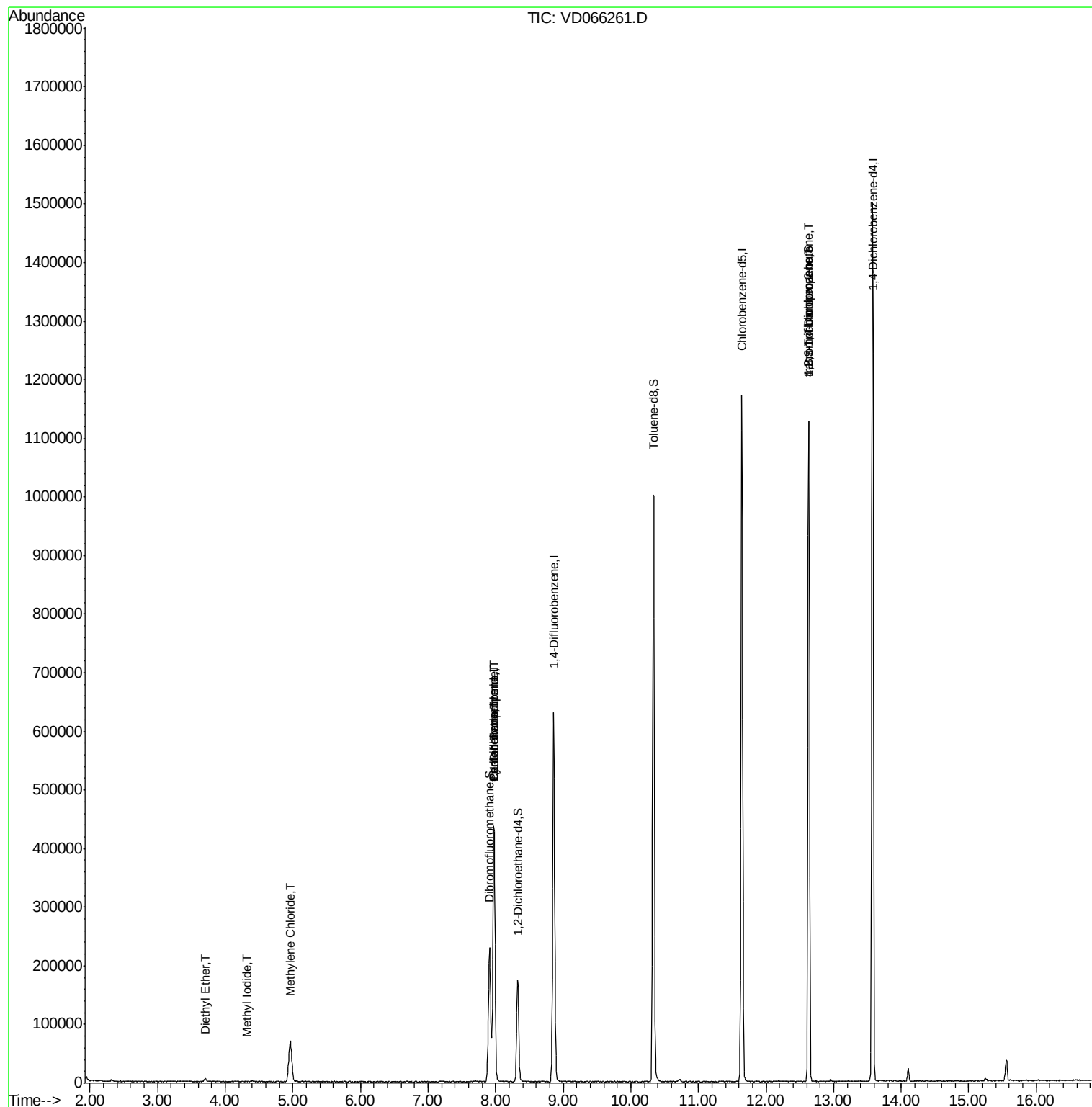
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	348696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	559647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	707804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	418203	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	138922	44.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.32%	
35) Dibromofluoromethane	7.91	113	163169	46.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.04%	
50) Toluene-d8	10.33	98	695370	53.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.30%	
62) 4-Bromofluorobenzene	12.63	95	358580	76.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	152.08%	
Target Compounds						
8) Diethyl Ether	3.70	74	2846	1.829	ug/l #	1
10) Methyl Iodide	4.33	142	59	6.728	ug/l #	39
11) Tert butyl alcohol	5.23	59	353	Below Cal	#	76
20) Methylene Chloride	4.96	84	54571	12.610	ug/l	92
31) Cyclohexane	7.98	56	6969	1.279	ug/l #	15
36) 1,1-Dichloropropene	7.97	75	23098	4.392	ug/l #	51
38) Carbon Tetrachloride	7.97	117	33264	5.672	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	182612	52.362	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	182612	115.748	ug/l #	13

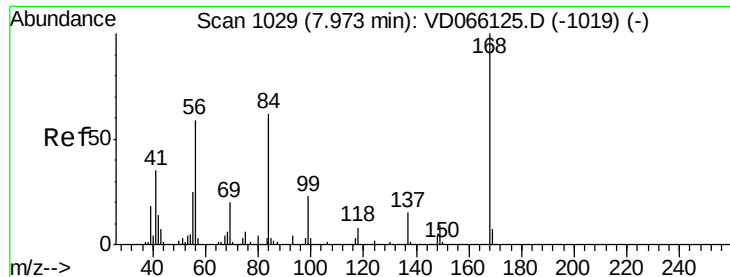
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066261.D

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Instrument :

MSVOA_D

ClientSampleId :

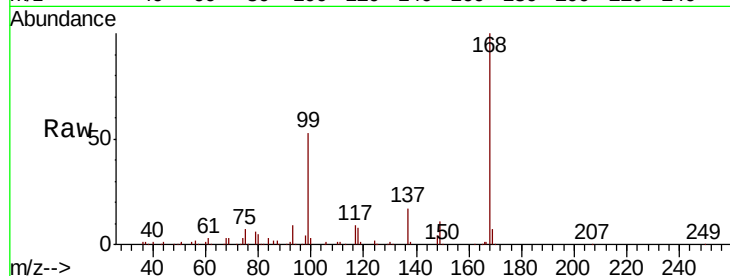
S606-M-SO-1-1.5-081320

Tot Ion:168 Resp: 348696

Ion Ratio Lower Upper

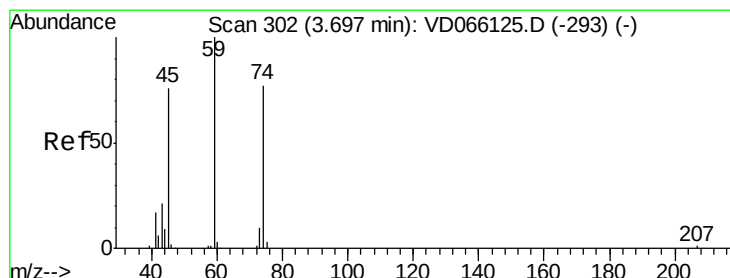
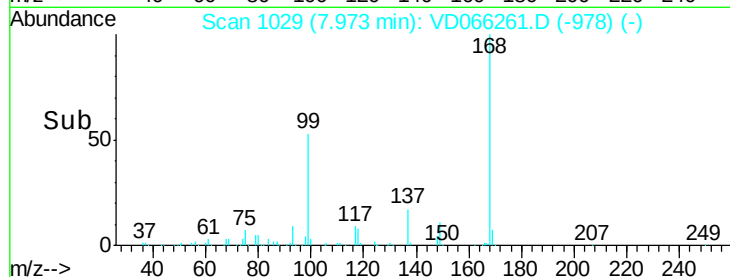
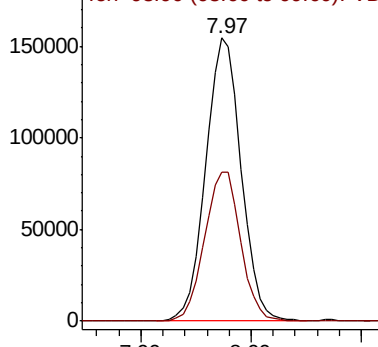
168 100

99 52.7 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 1.829 ug/l

RT: 3.70 min Scan# 302

Delta R.T. 0.00 min

Lab File: VD066261.D

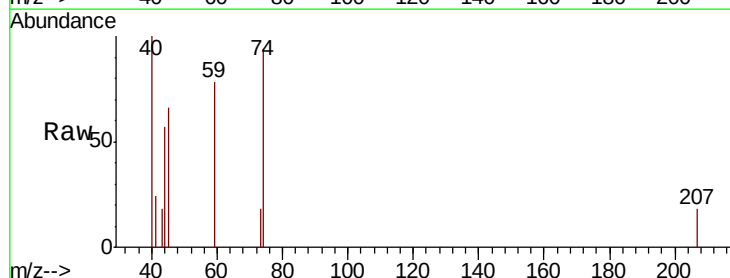
Acq: 17 Aug 2020 16:46

Tgt Ion: 74 Resp: 2846

Ion Ratio Lower Upper

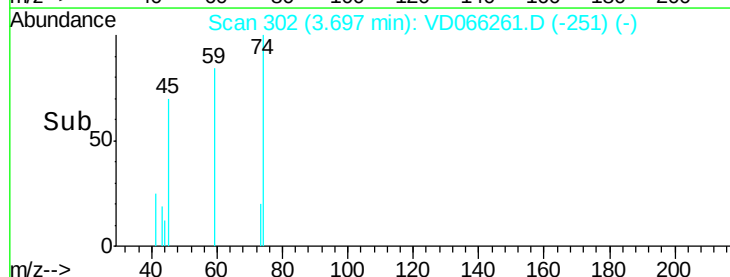
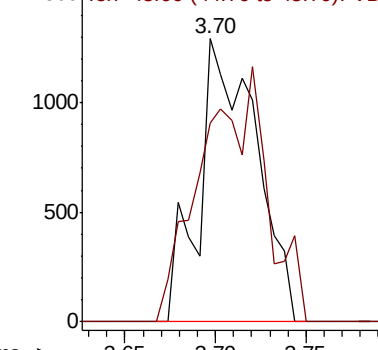
74 100

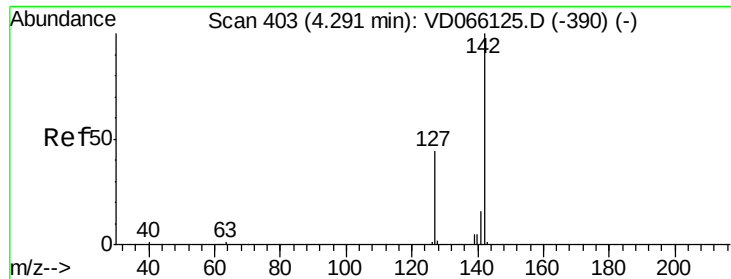
45 0.0 48.4 145.2#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

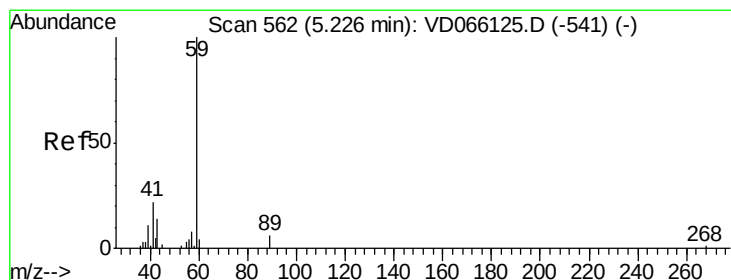
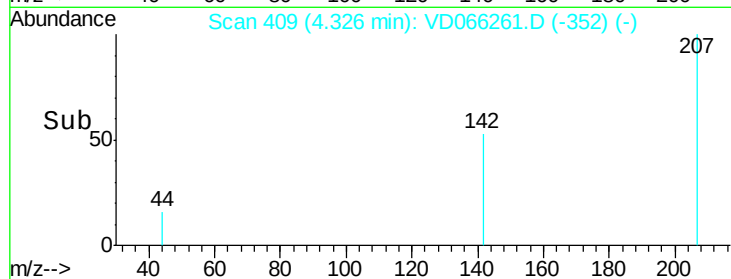
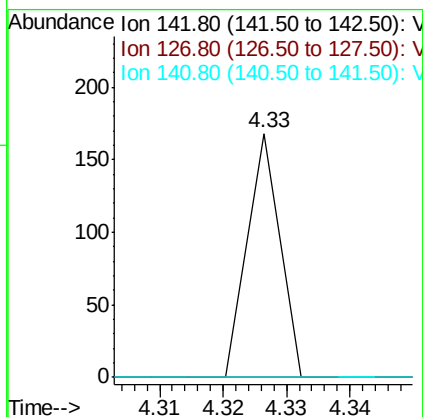
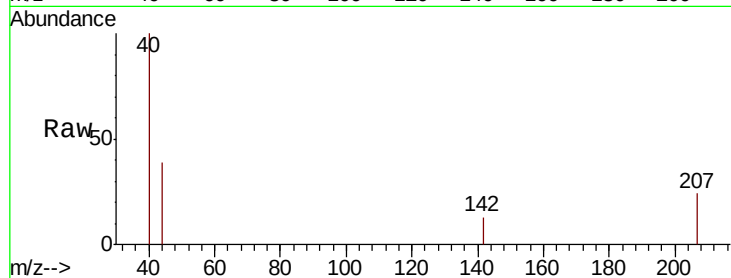




#10
Methyl Iodide
Concen: 6.728 ug/l
RT: 4.33 min Scan# 409
Delta R.T. 0.04 min
Lab File: VD066261.D
Acq: 17 Aug 2020 16:46

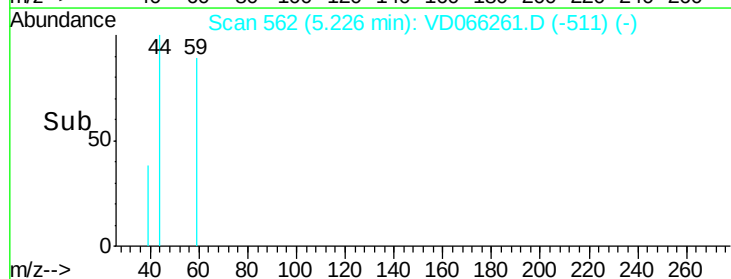
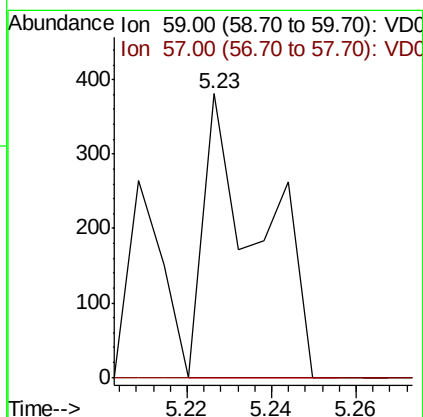
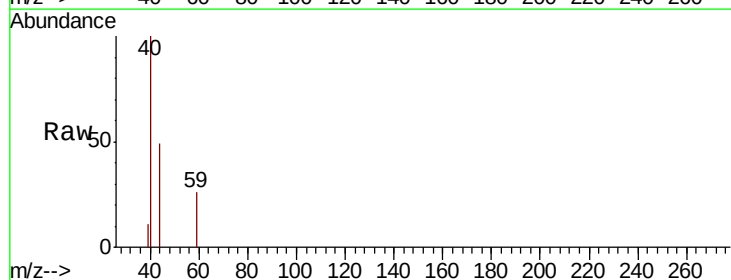
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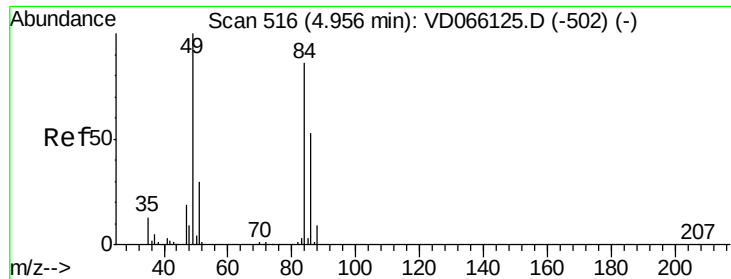
Tot Ion:142 Resp: 59
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.4#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD066261.D
Acq: 17 Aug 2020 16:46

Tgt Ion: 59 Resp: 353
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#

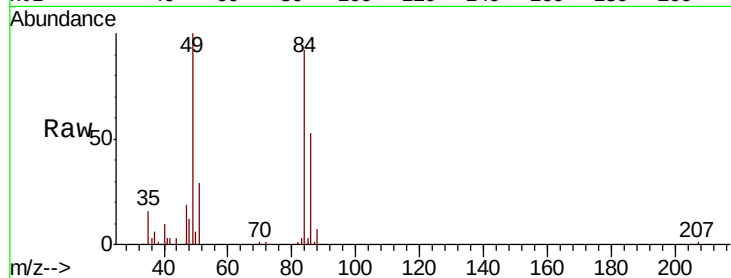




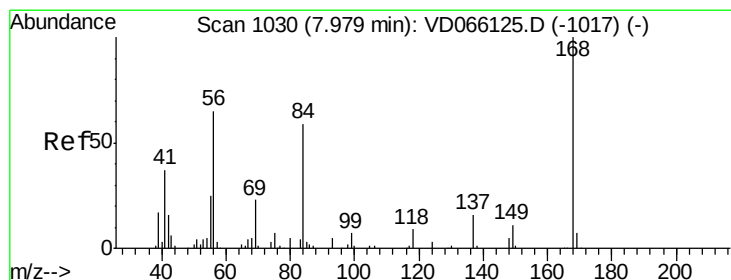
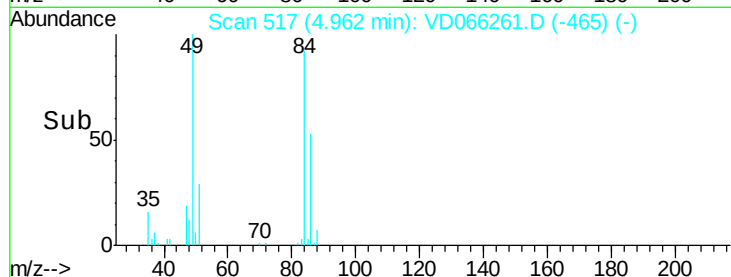
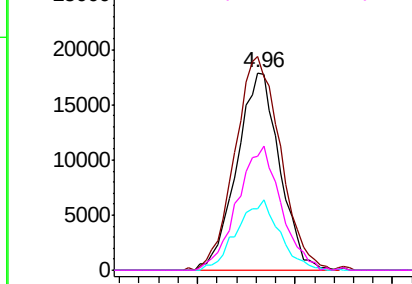
#20
Methvlene Chloride
Concen: 12.610 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066261.D
Acq: 17 Aug 2020 16:46

Instrument :
MSVOA_D
ClientSampleId :
S606-M-SO-1-1.5-081320

Tot Ion:	84	Resp:	54571
Ion	Ratio	Lower	Upper
84	100		
49	107.0	93.5	140.3
51	31.1	28.2	42.4
86	57.6	49.5	74.3

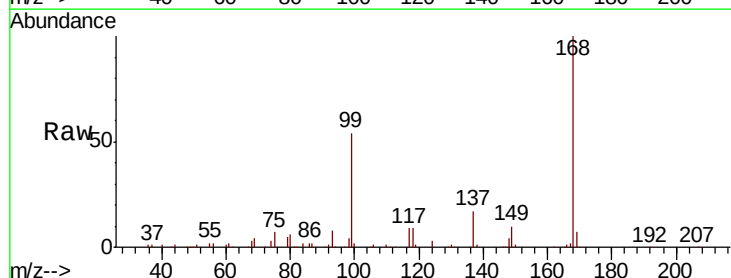


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

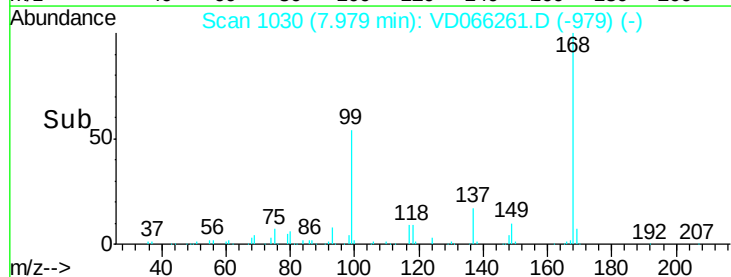
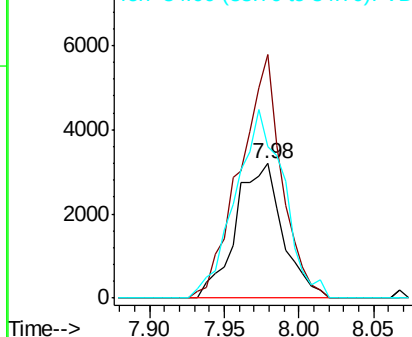


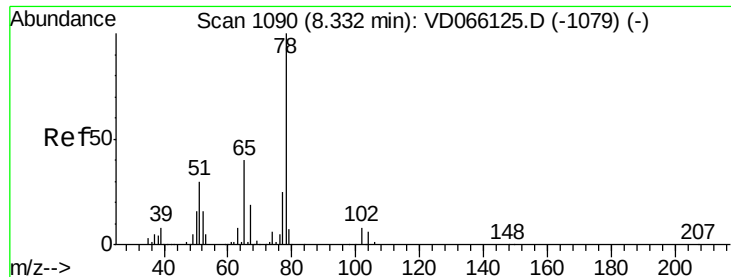
#31
Cyclohexane
Concen: 1.279 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066261.D
Acq: 17 Aug 2020 16:46

Tgt Ion:	56	Resp:	6969
Ion	Ratio	Lower	Upper
56	100		
69	180.7	28.8	43.2#
84	112.4	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

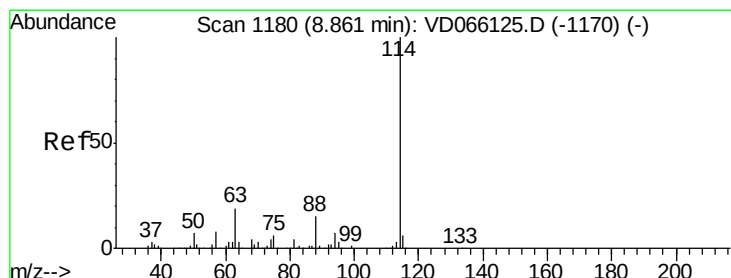
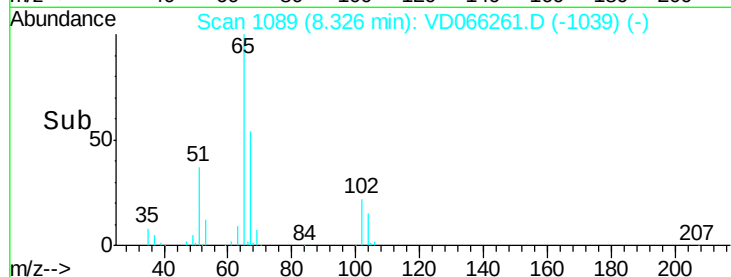
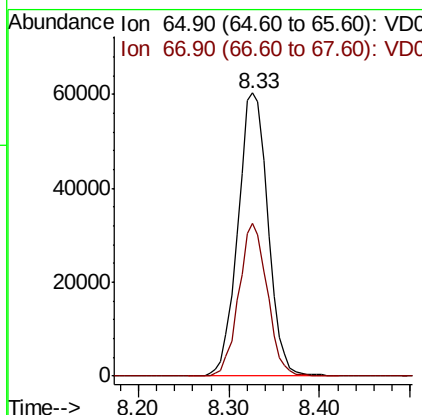
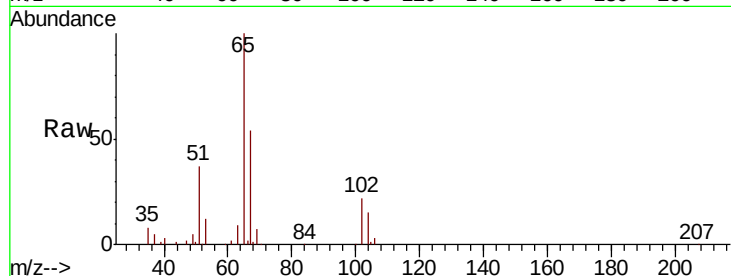




#33
 1,2-Dichloroethane-d4
 Concen: 44.657 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066261.D
 Acq: 17 Aug 2020 16:46

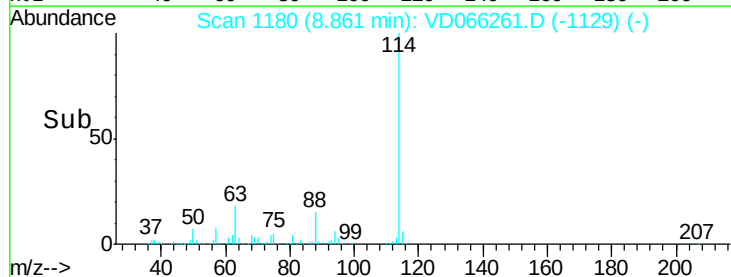
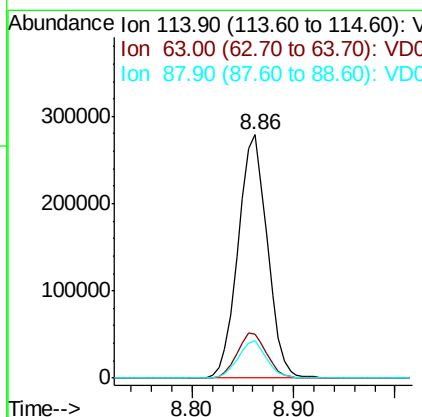
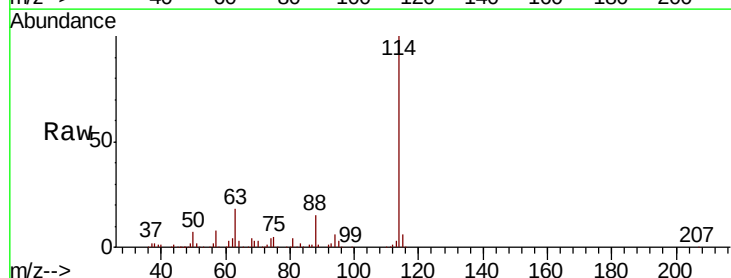
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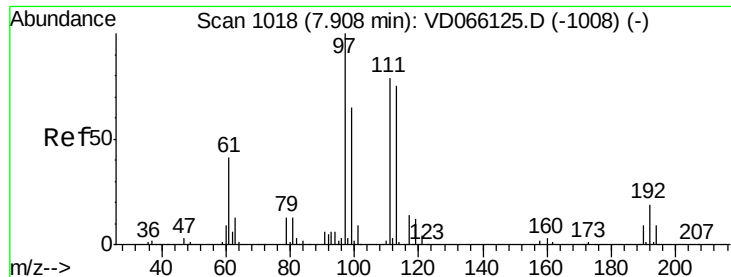
Tot Ion: 65 Resp: 138922
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066261.D
 Acq: 17 Aug 2020 16:46

Tgt Ion: 114 Resp: 559647
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 38.6
 88 15.2 0.0 30.0

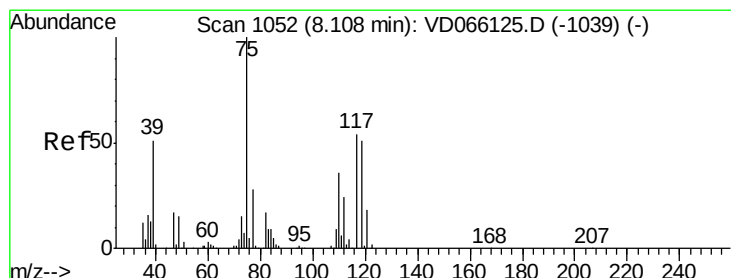
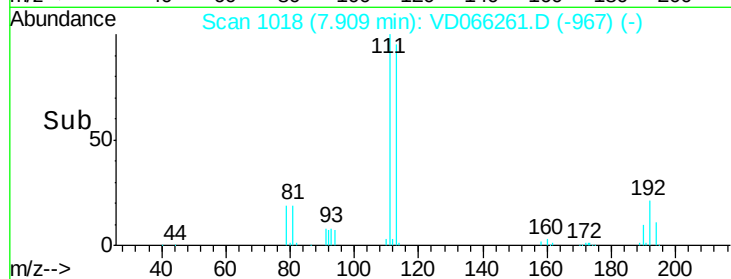
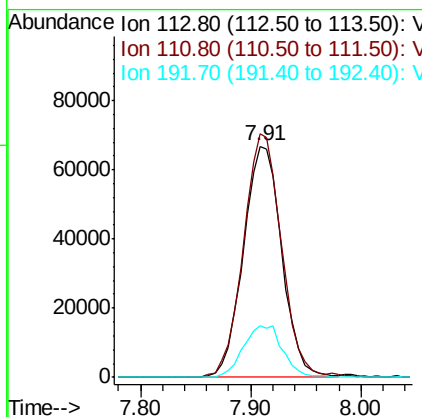
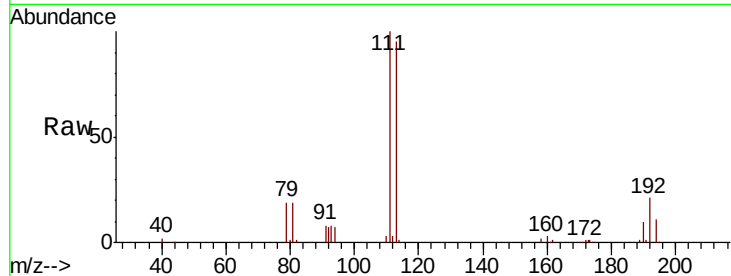




#35
 Dibromofluoromethane
 Concen: 46.024 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066261.D
 Acq: 17 Aug 2020 16:46

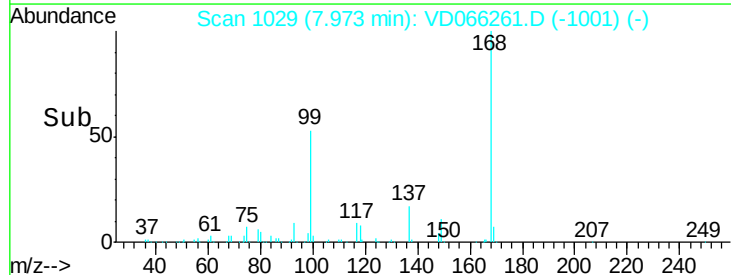
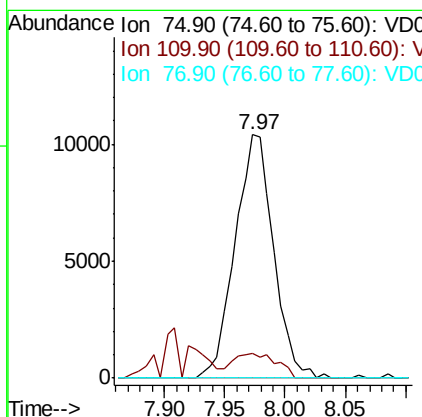
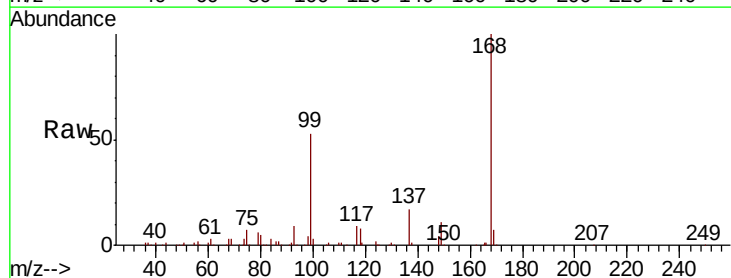
Instrument :
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 ClientSampleId :
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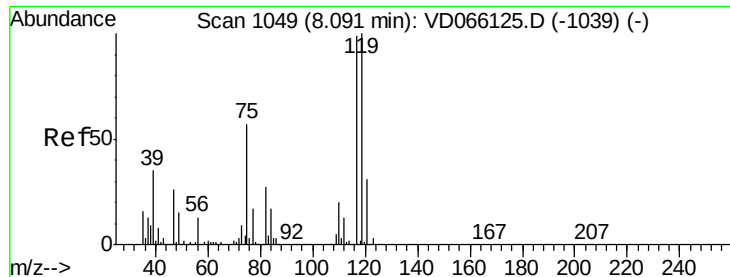
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.1	80.7	121.1
192	22.9	18.4	27.6



#36
 1,1-Dichloropropene
 Concen: 4.392 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066261.D
 Acq: 17 Aug 2020 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	18.8	56.3#
77	0.0	24.2	36.2#





#38

Carbon Tetrachloride

Concen: 5.672 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066261.D

Acq: 17 Aug 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

S606-M-SO-1-1.5-081320

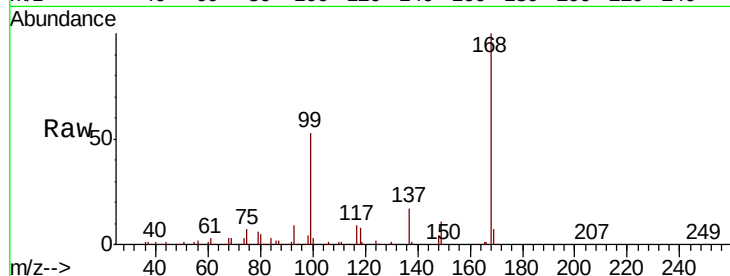
Tot Ion:117 Resp: 33264

Ion Ratio Lower Upper

117 100

119 7.6 81.0 121.4#

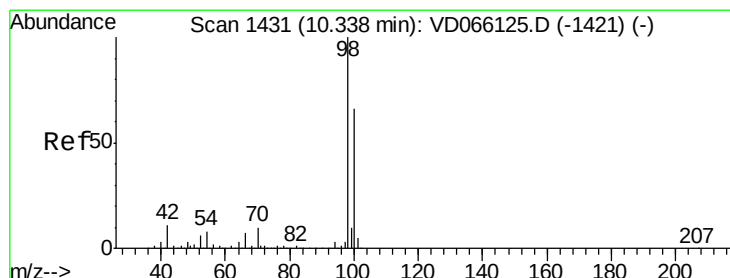
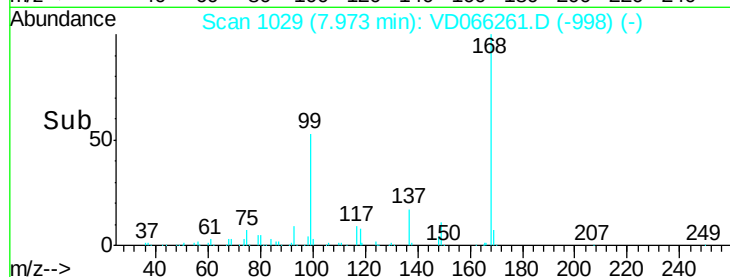
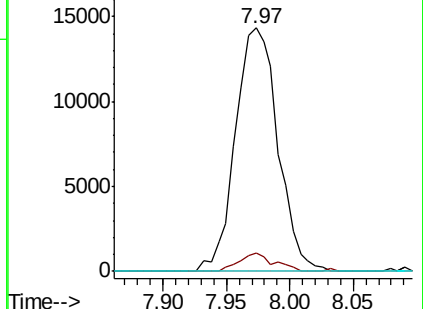
121 0.0 24.8 37.2#



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



#50

Toluene-d8

Concen: 53.150 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066261.D

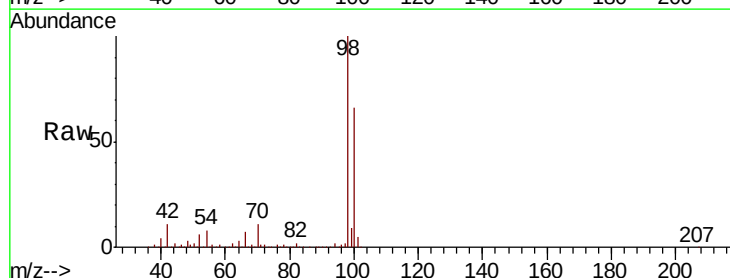
Acq: 17 Aug 2020 16:46

Tgt Ion: 98 Resp: 695370

Ion Ratio Lower Upper

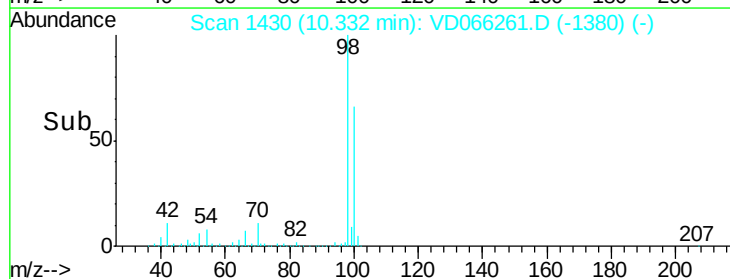
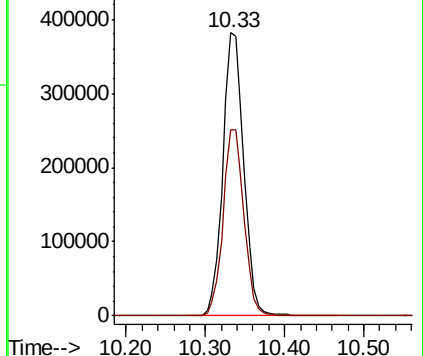
98 100

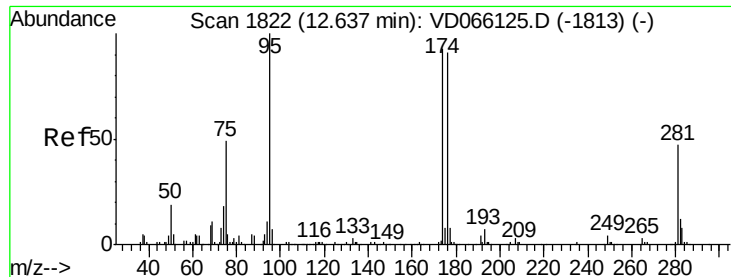
100 65.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 76.036 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066261.D

Acq: 17 Aug 2020 16:46

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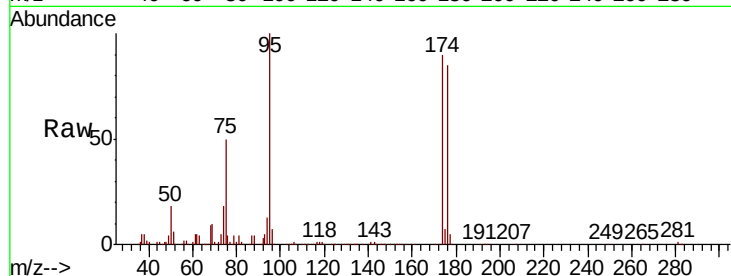
Tot Ion: 95 Resp: 358580

Ion Ratio Lower Upper

95 100

174 91.6 0.0 180.8

176 88.3 0.0 181.2



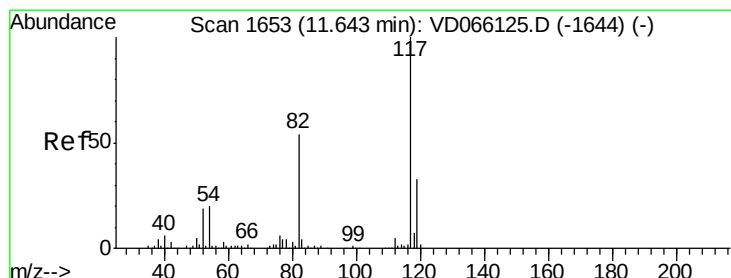
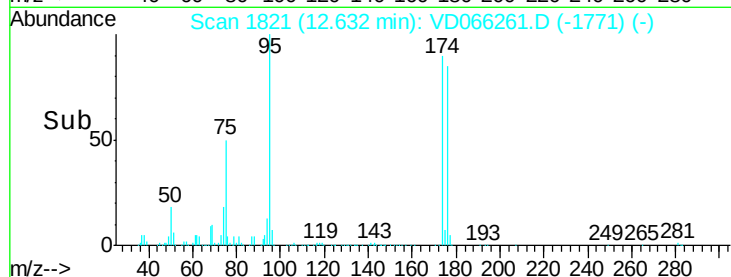
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066261.D

Acq: 17 Aug 2020 16:46

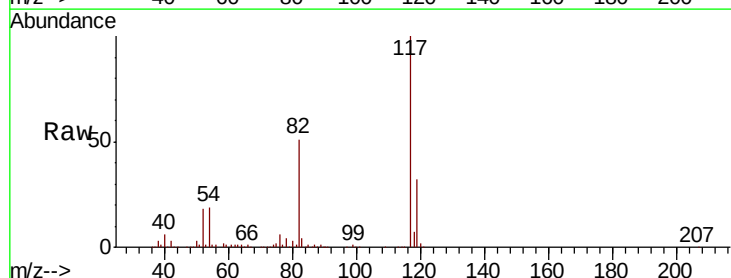
Tgt Ion: 117 Resp: 707804

Ion Ratio Lower Upper

117 100

82 50.8 43.0 64.4

119 31.6 26.1 39.1



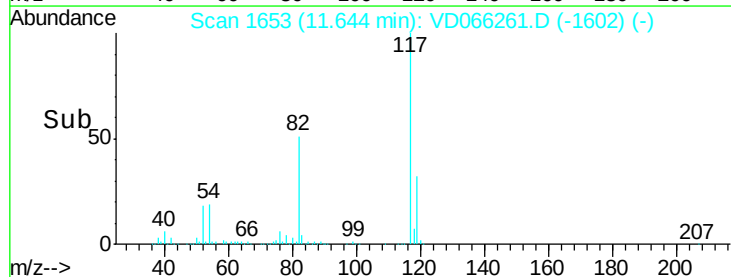
Abundance Ion 116.90 (116.60 to 117.60): V

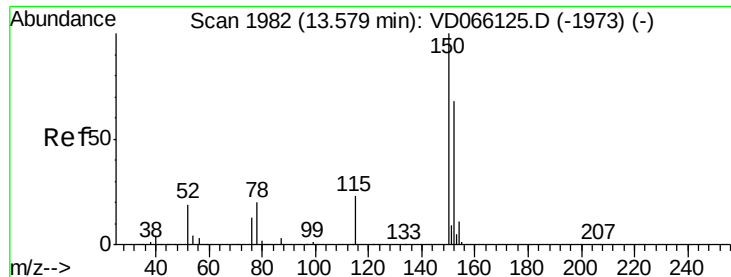
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.64

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066261.D

Acq: 17 Aug 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

S606-M-SO-1-1.5-081320

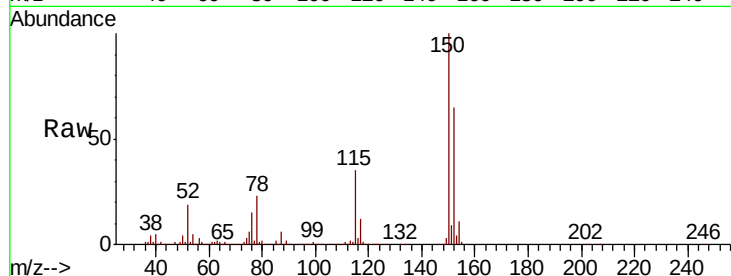
Tot Ion:152 Resp: 418203

Ion Ratio Lower Upper

152 100

115 56.6 28.0 83.9

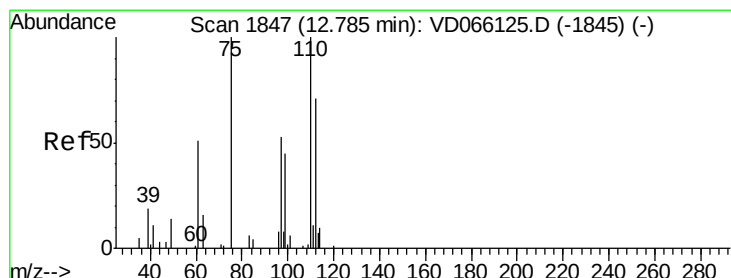
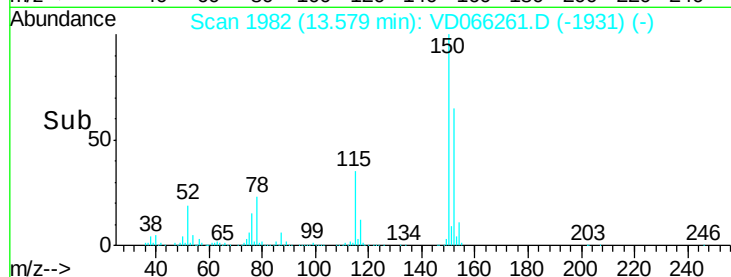
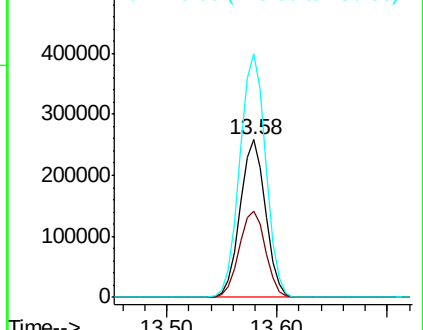
150 157.8 0.0 346.4



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: 52.362 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066261.D

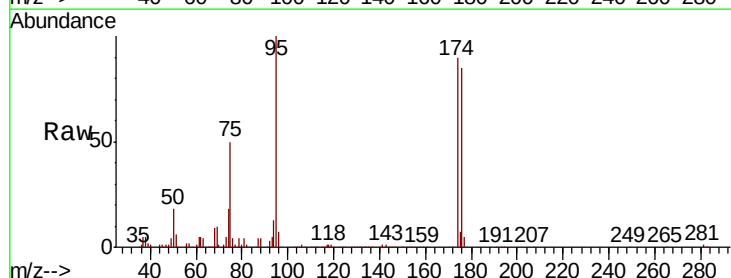
Acq: 17 Aug 2020 16:46

Tgt Ion: 75 Resp: 182612

Ion Ratio Lower Upper

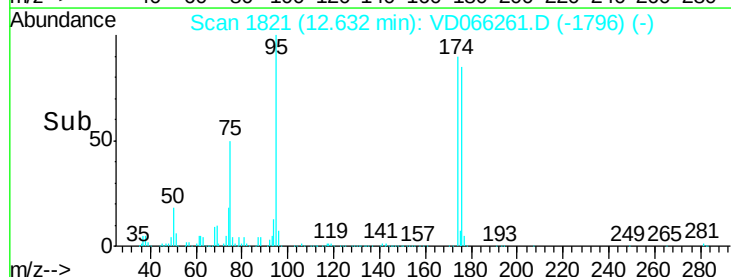
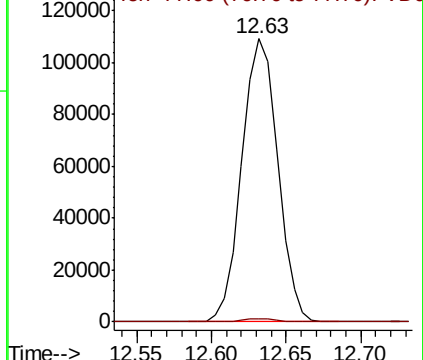
75 100

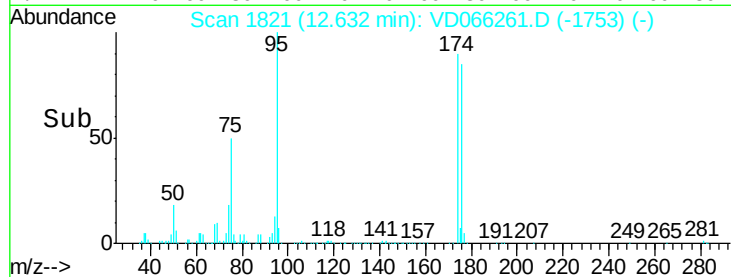
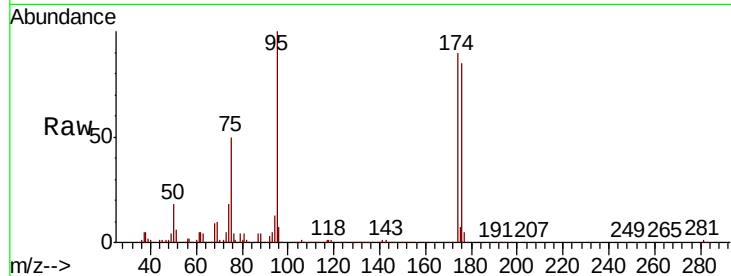
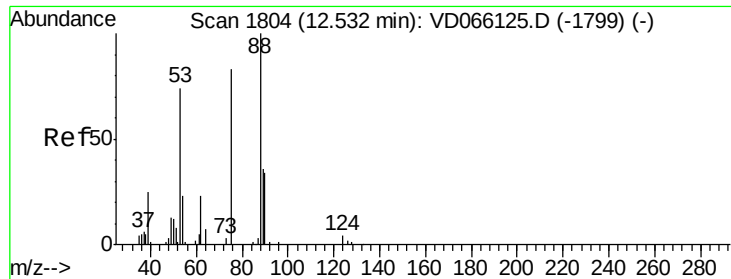
77 1.1 0.0 0.0#



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: 115.748 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066261.D

Acq: 17 Aug 2020 16:46

Instrument :

MSVOA_D

ClientSampleId :

S606-M-SO-1-1.5-081320

Tot Ion: 75 Resp: 182612

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.1 36.6 55.0#

