

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
 Data File : VD066142.D
 Acq On : 06 Aug 2020 18:45
 Operator : VA/SY
 Sample : L3586-01
 Misc : 6.40G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 8420

Quant Time: Aug 07 01:30:22 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	308574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	536048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	593736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305338	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	141589	51.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.86%	
35) Dibromofluoromethane	7.91	113	165192	48.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.30%	
50) Toluene-d8	10.34	98	663585	52.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.90%	
62) 4-Bromofluorobenzene	12.64	95	285162	63.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	126.26%	

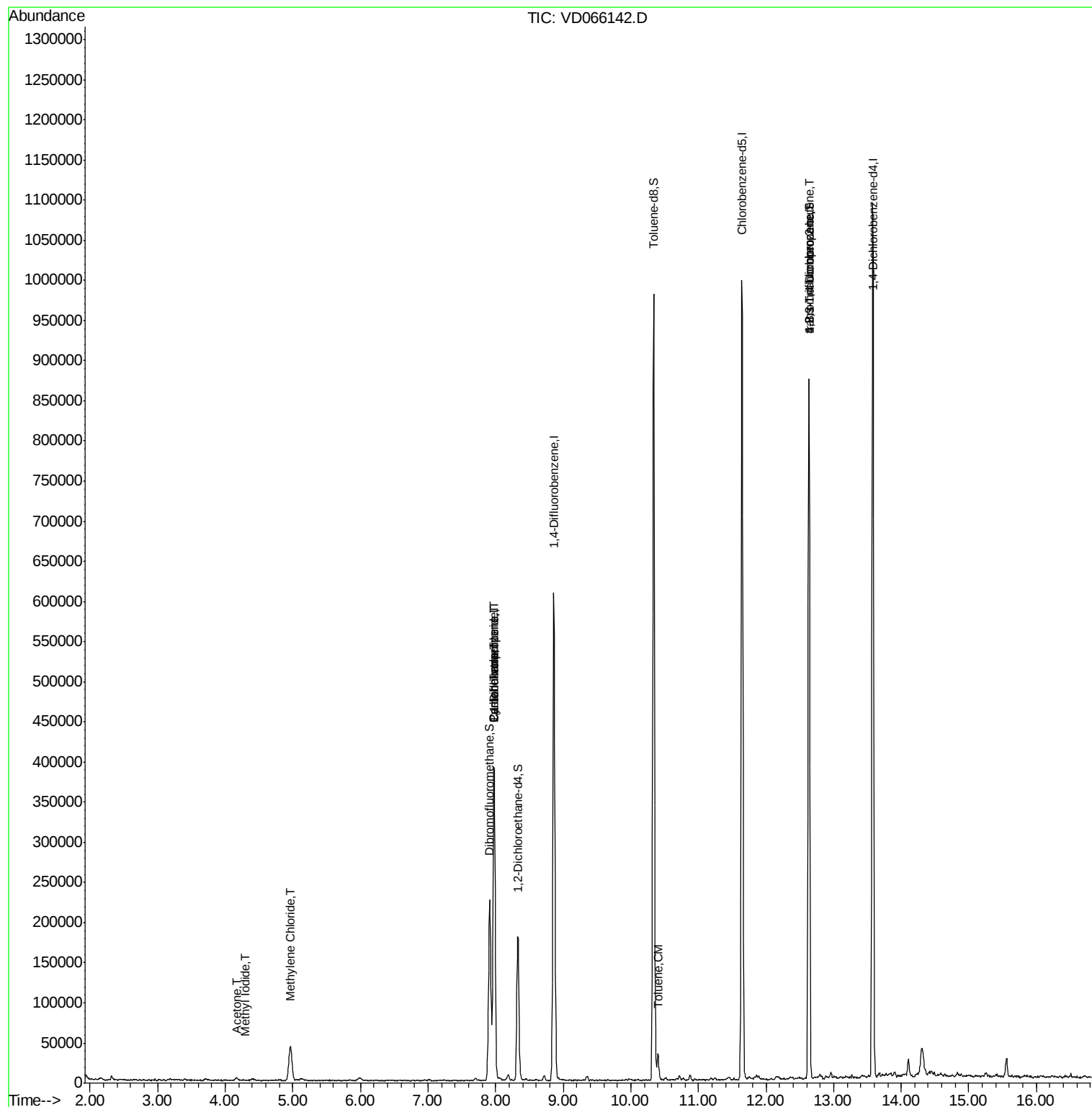
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	81	6.738	ug/l #	39
16) Acetone	4.17	43	6586	12.608	ug/l	96
20) Methylene Chloride	4.97	84	33947	7.336	ug/l	99
31) Cyclohexane	7.98	56	7597	1.575	ug/l #	31
36) 1,1-Dichloropropene	7.97	75	20707	4.111	ug/l #	51
38) Carbon Tetrachloride	7.97	117	28040	4.992	ug/l #	13
52) Toluene	10.40	92	12877	1.400	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	138541	54.409	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	138541	120.274	ug/l #	13

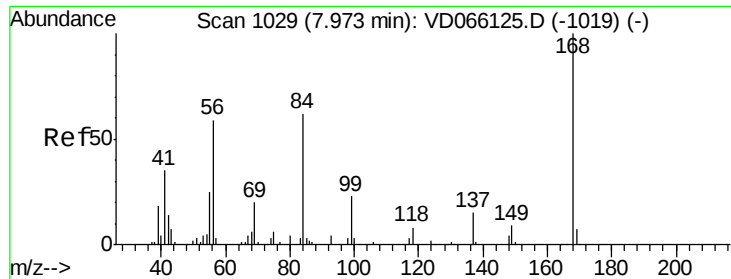
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080620\
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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: VD066142.D

Acq: 06 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

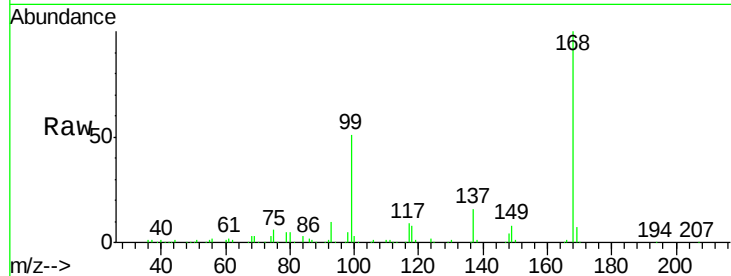
8420

Tot Ion:168 Resp: 308574

Ion Ratio Lower Upper

168 100

99 51.0 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

150000

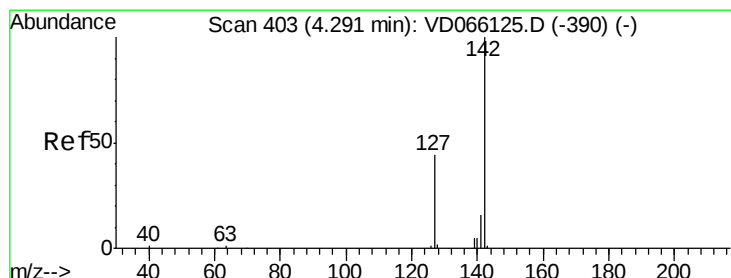
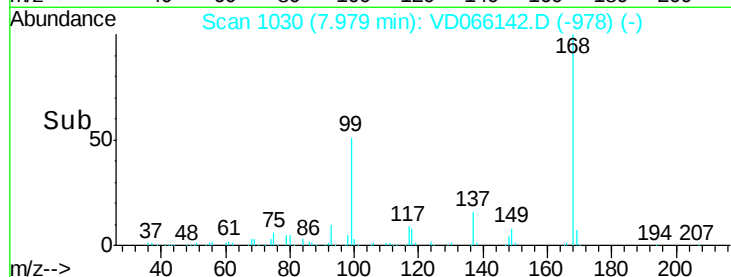
100000

50000

0

7.90 8.00 8.10

Time-->



#10

Methyl Iodide

Concen: 6.738 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.00 min

Lab File: VD066142.D

Acq: 06 Aug 2020 18:45

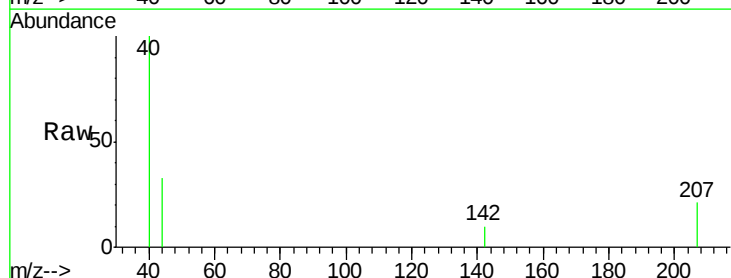
Tgt Ion:142 Resp: 81

Ion Ratio Lower Upper

142 100

127 0.0 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

4.29

300

250

200

150

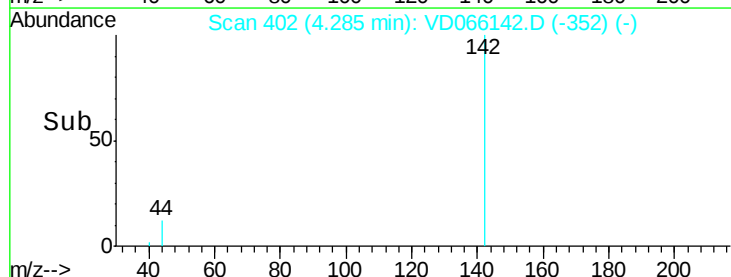
100

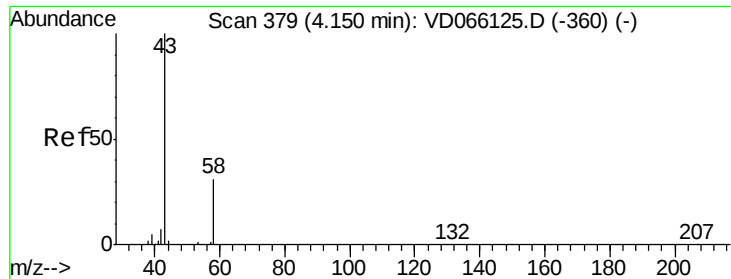
50

0

4.27 4.28 4.29 4.30

Time-->





#16

Acetone

Concen: 12.608 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD066142.D

Acq: 06 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampled :

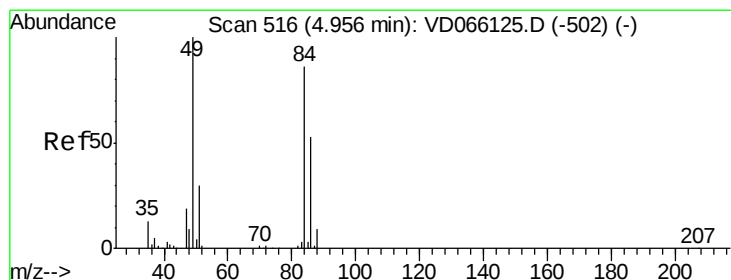
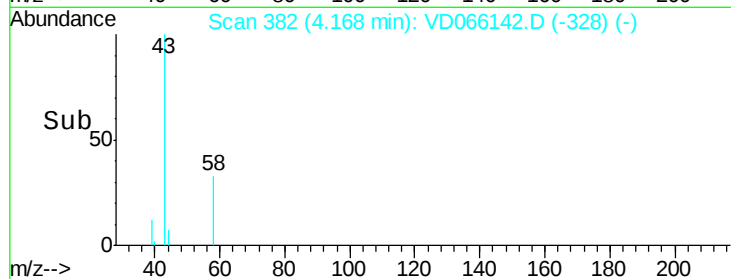
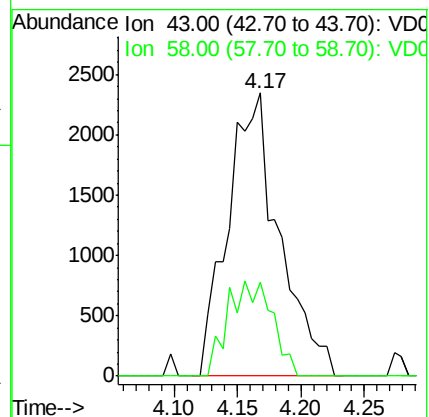
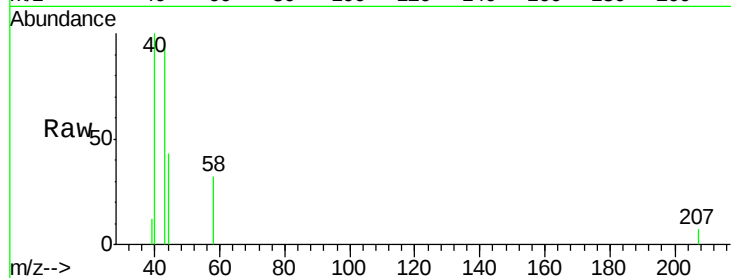
8420

Tot Ion: 43 Resp: 6586

Ion Ratio Lower Upper

43 100

58 33.0 24.7 37.1



#20

Methylene Chloride

Concen: 7.336 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066142.D

Acq: 06 Aug 2020 18:45

Tgt Ion: 84 Resp: 33947

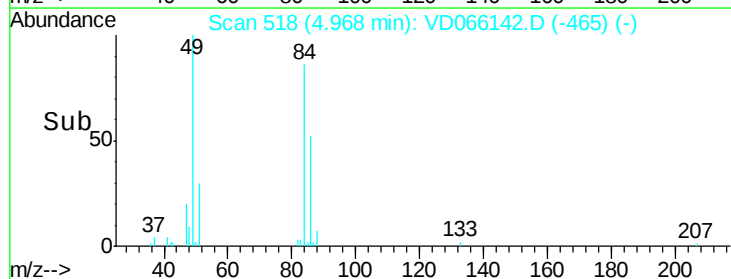
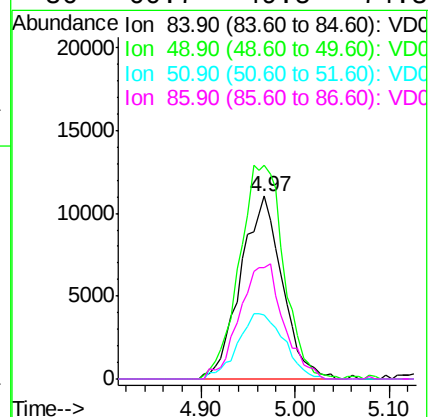
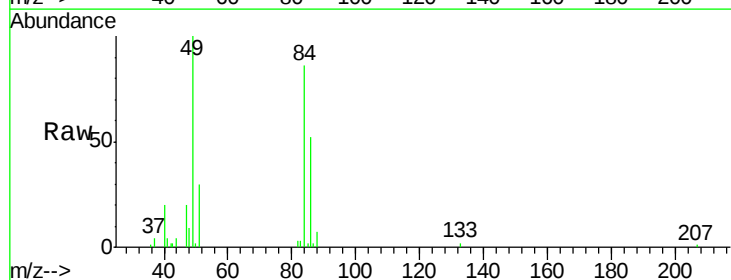
Ion Ratio Lower Upper

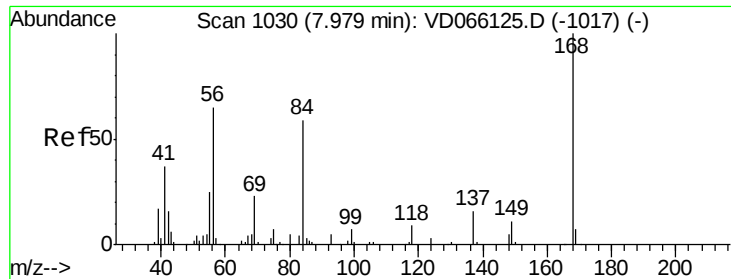
84 100

49 116.6 93.5 140.3

51 34.8 28.2 42.4

86 60.7 49.5 74.3





#31

Cyclohexane

Concen: 1.575 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066142.D

Acq: 06 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

8420

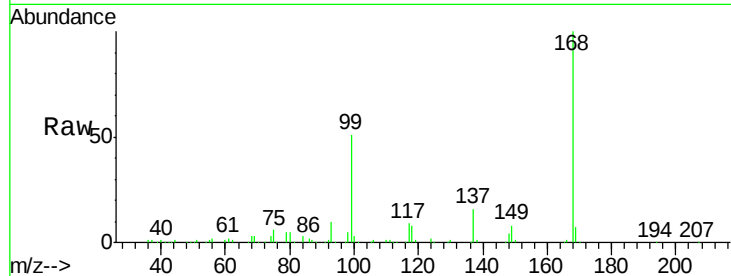
Tot Ion: 56 Resp: 7597

Ion Ratio Lower Upper

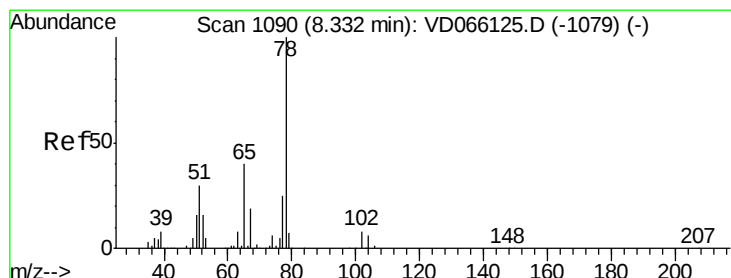
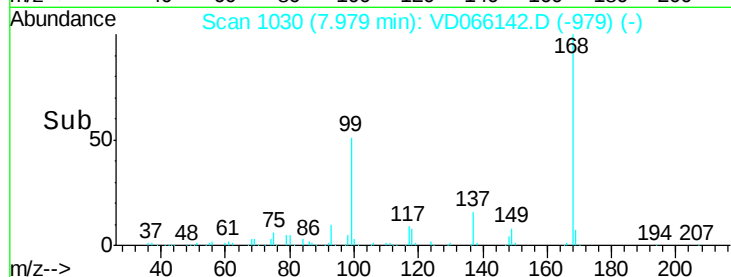
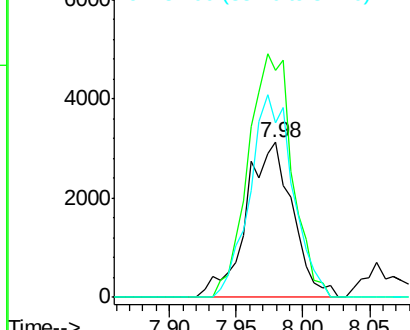
56 100

69 145.9 28.8 43.2#

84 112.2 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: 51.432 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066142.D

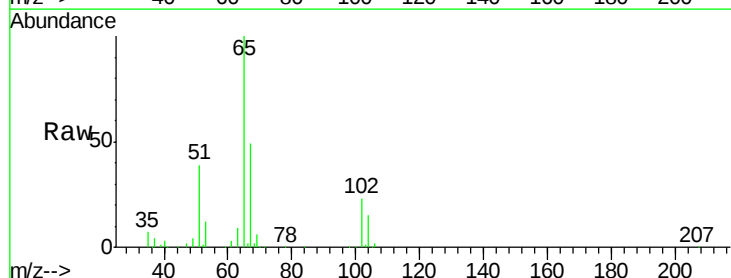
Acq: 06 Aug 2020 18:45

Tgt Ion: 65 Resp: 141589

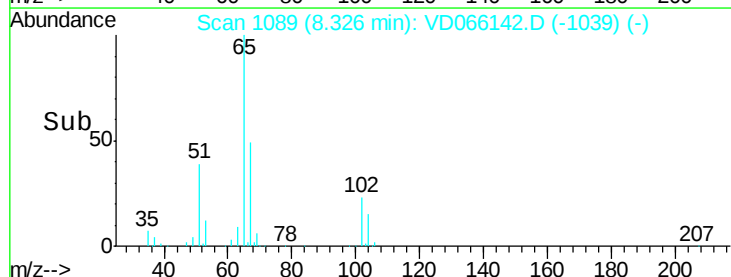
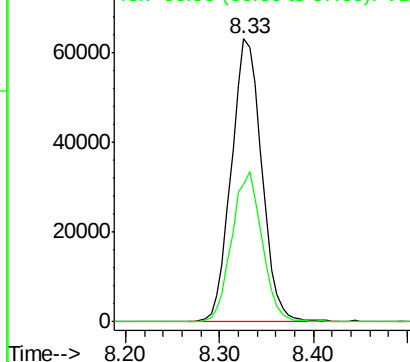
Ion Ratio Lower Upper

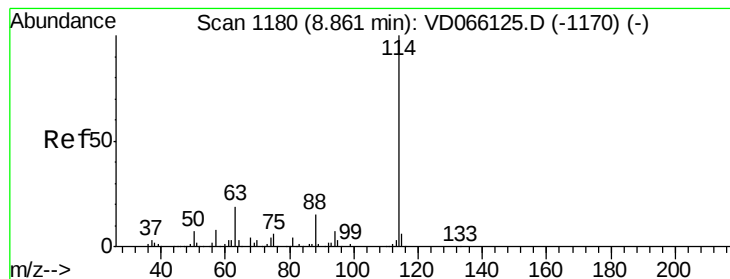
65 100

67 52.6 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: VD066142.D

Acq: 06 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

8420

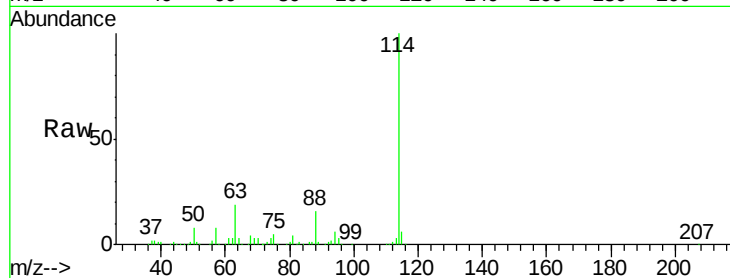
Tot Ion:114 Resp: 536048

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

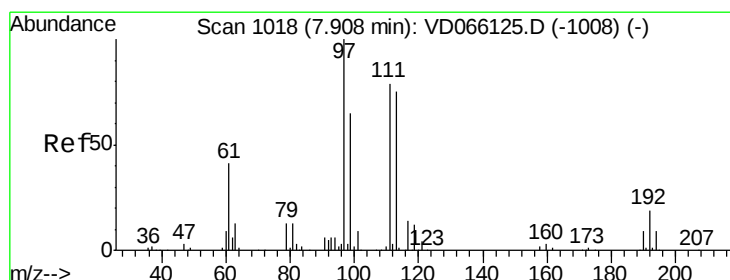
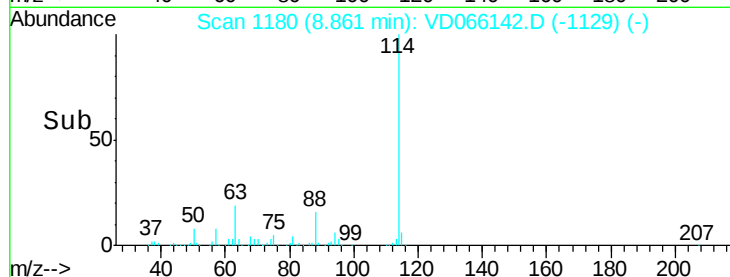
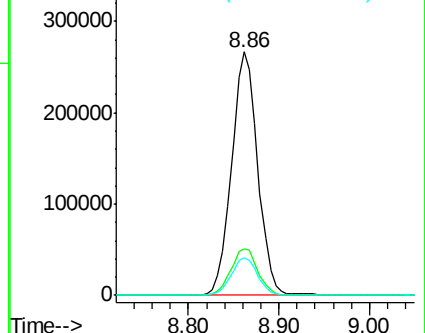
88 15.6 0.0 30.0



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: 48.646 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066142.D

Acq: 06 Aug 2020 18:45

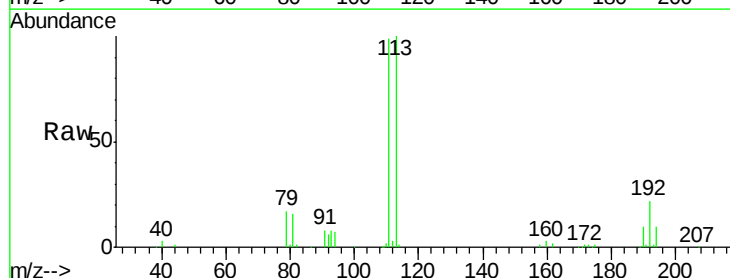
Tgt Ion:113 Resp: 165192

Ion Ratio Lower Upper

113 100

111 104.3 80.7 121.1

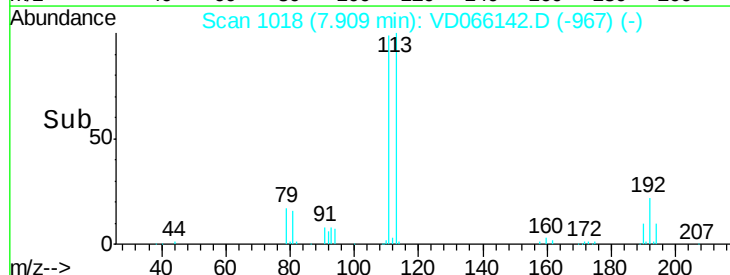
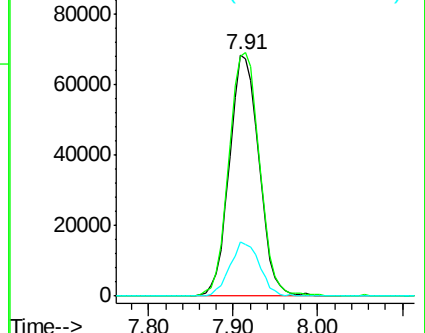
192 22.3 18.4 27.6

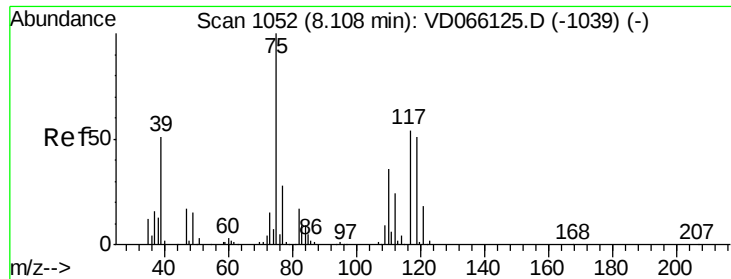


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.111 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066142.D

Acq: 06 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

8420

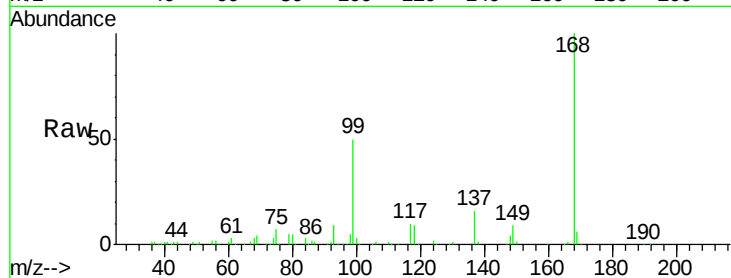
Tot Ion: 75 Resp: 20707

Ion Ratio Lower Upper

75 100

110 10.9 18.8 56.3#

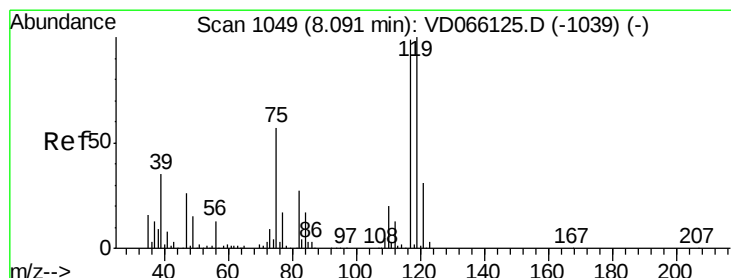
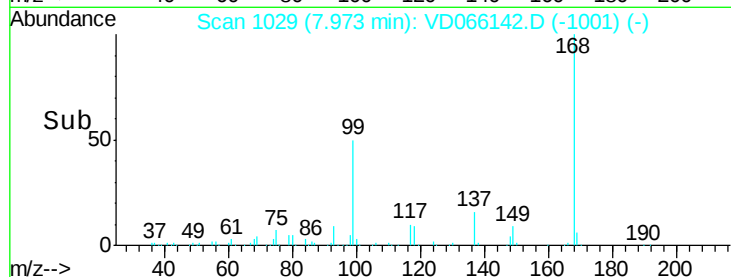
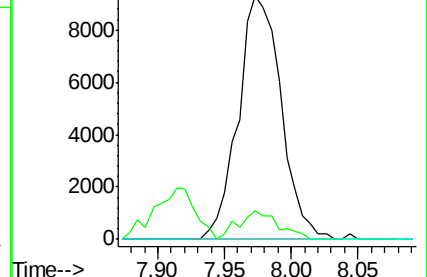
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 4.992 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066142.D

Acq: 06 Aug 2020 18:45

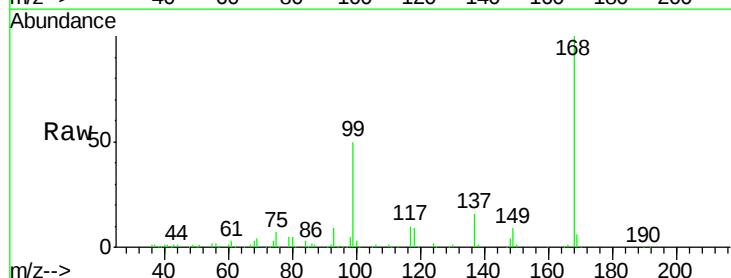
Tgt Ion: 117 Resp: 28040

Ion Ratio Lower Upper

117 100

119 3.8 81.0 121.4#

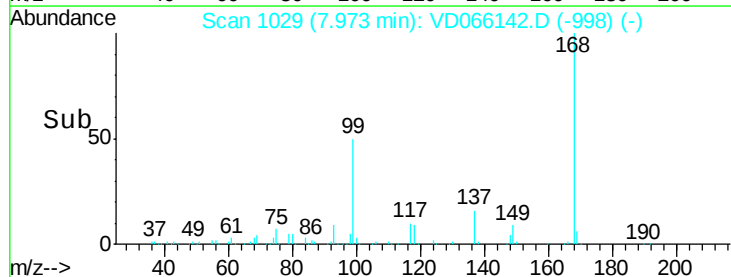
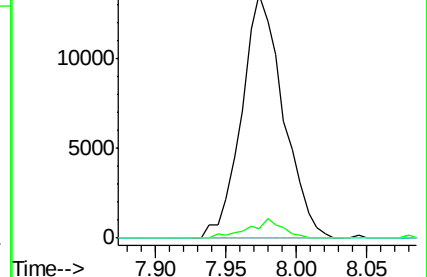
121 0.0 24.8 37.2#

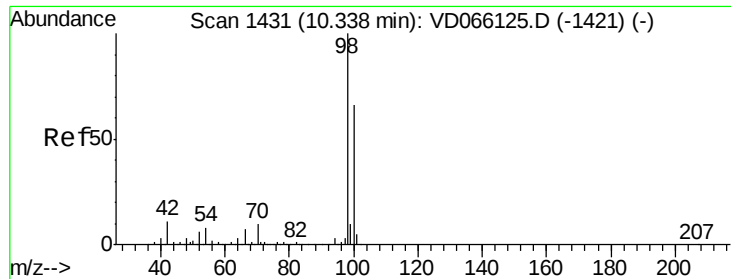


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

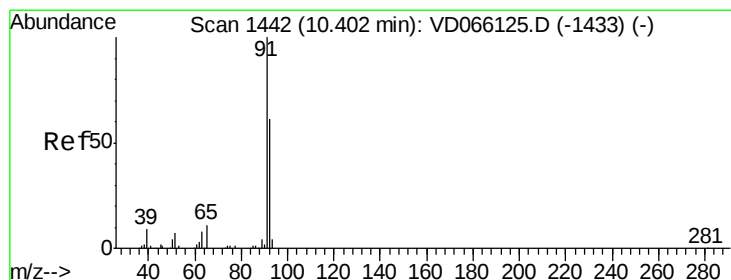
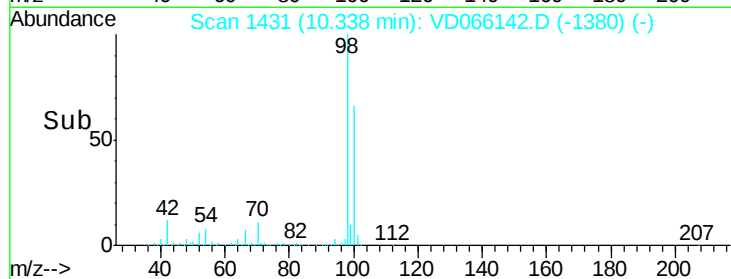
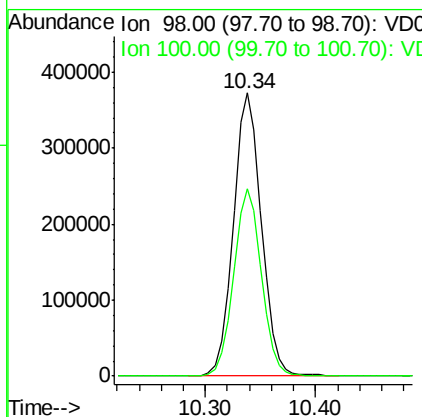
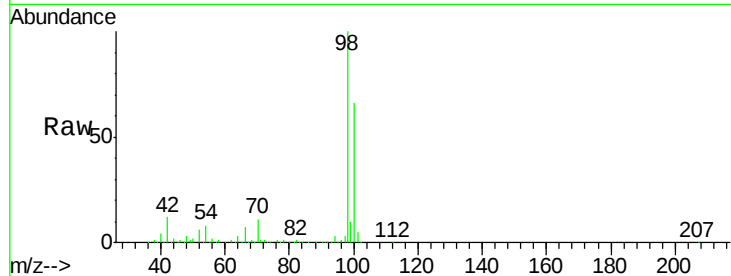




#50
Toluene-d8
Concen: 52.954 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066142.D
Acq: 06 Aug 2020 18:45

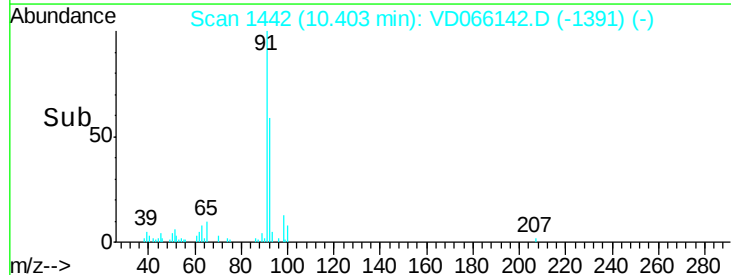
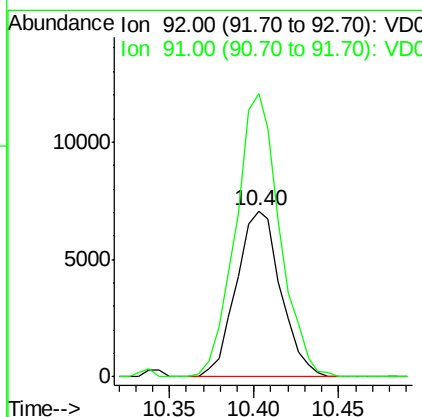
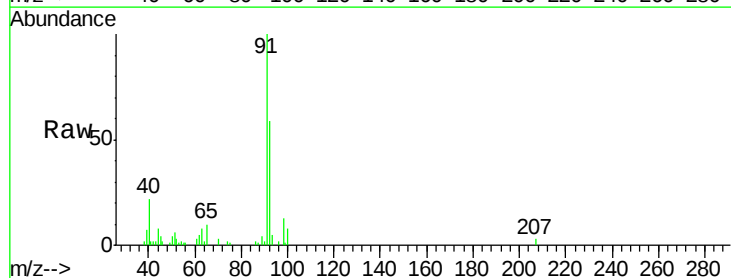
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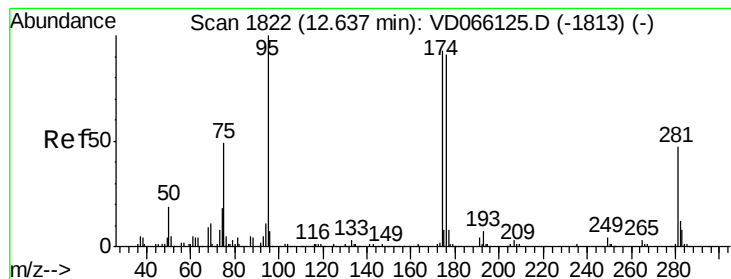
Tot Ion: 98 Resp: 663585
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#52
Toluene
Concen: 1.400 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD066142.D
Acq: 06 Aug 2020 18:45

Tgt Ion: 92 Resp: 12877
Ion Ratio Lower Upper
92 100
91 169.9 135.2 202.8





#62

4-Bromofluorobenzene

Concen: 63.130 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066142.D

Acq: 06 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

8420

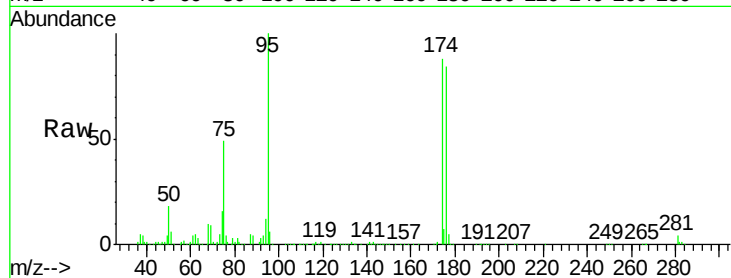
Tot Ion: 95 Resp: 285162

Ion Ratio Lower Upper

95 100

174 88.7 0.0 180.8

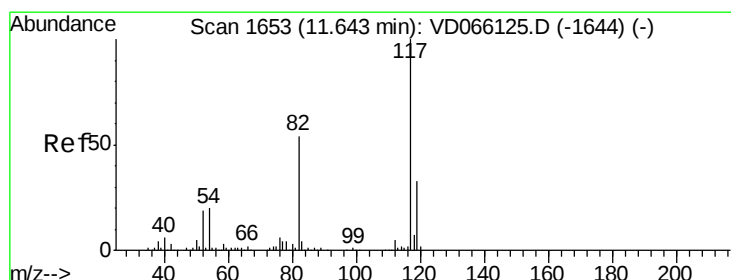
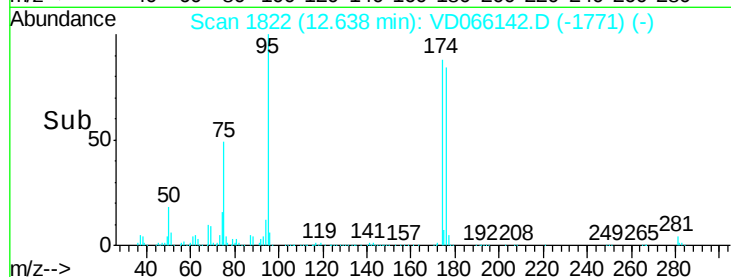
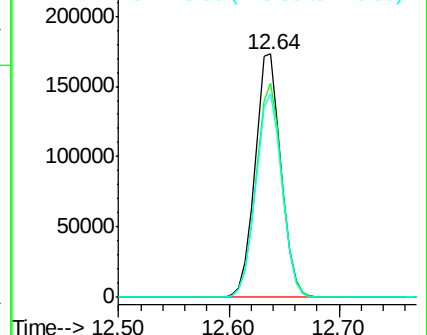
176 84.5 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VD066142.D (-1771) (-)

Ion 173.80 (173.50 to 174.50): VD066142.D (-1771) (-)

Ion 175.80 (175.50 to 176.50): VD066142.D (-1771) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066142.D

Acq: 06 Aug 2020 18:45

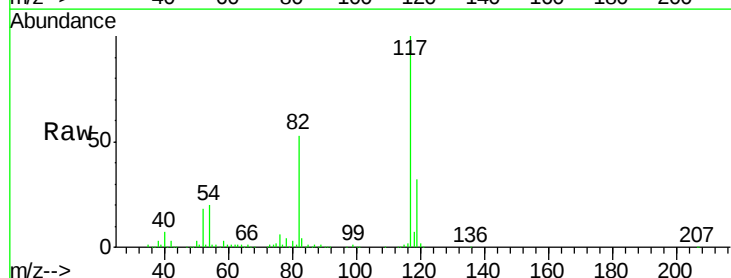
Tgt Ion: 117 Resp: 593736

Ion Ratio Lower Upper

117 100

82 53.4 43.0 64.4

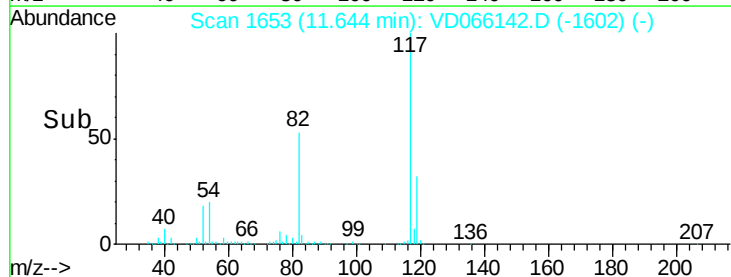
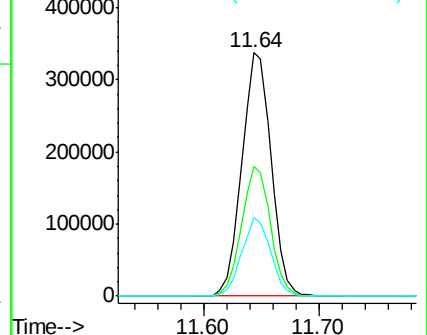
119 32.2 26.1 39.1

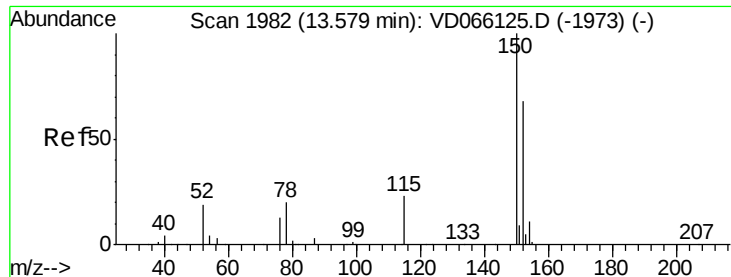


Abundance Ion 116.90 (116.60 to 117.60): VD066142.D (-1602) (-)

Ion 82.00 (81.70 to 82.70): VD066142.D (-1602) (-)

Ion 118.90 (118.60 to 119.60): VD066142.D (-1602) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066142.D

Acq: 06 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

8420

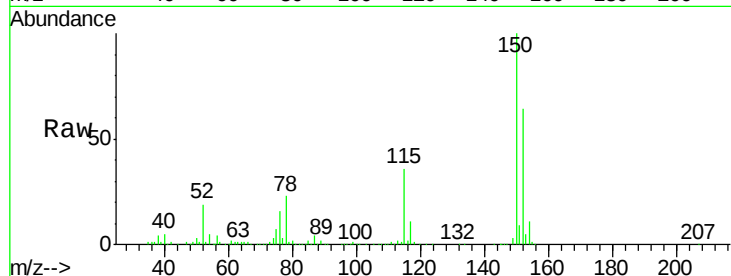
Tot Ion:152 Resp: 305338

Ion Ratio Lower Upper

152 100

115 56.5 28.0 83.9

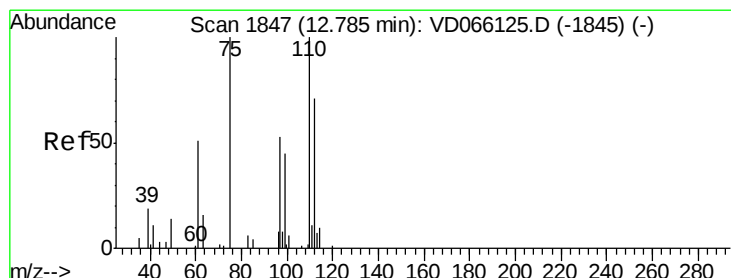
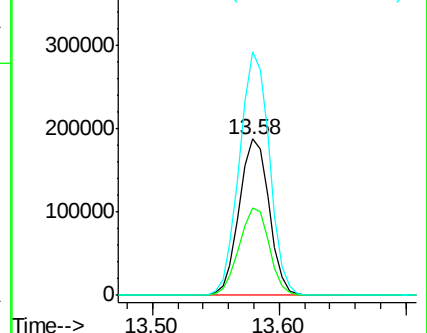
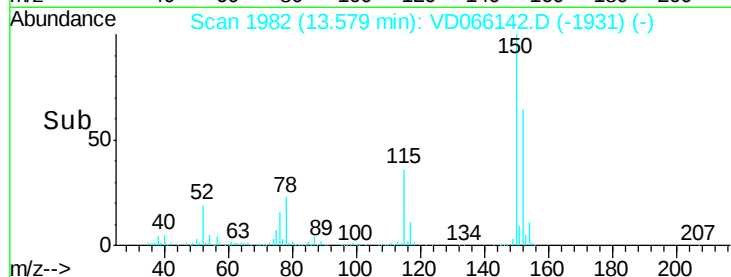
150 156.3 0.0 346.4



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: 54.409 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066142.D

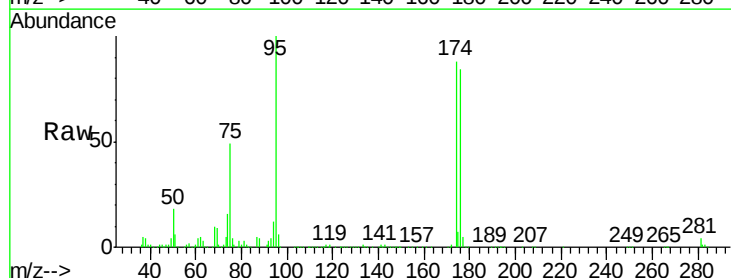
Acq: 06 Aug 2020 18:45

Tgt Ion: 75 Resp: 138541

Ion Ratio Lower Upper

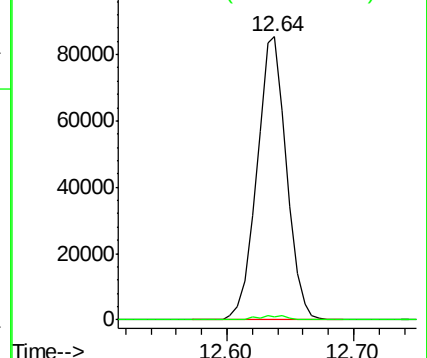
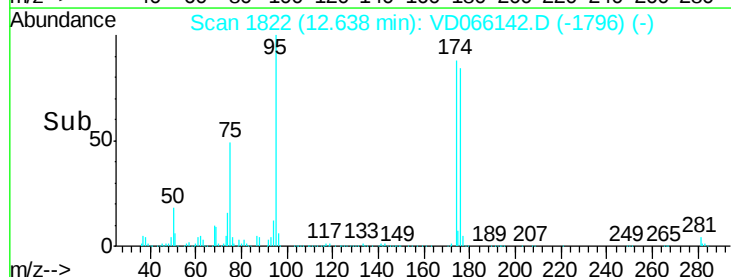
75 100

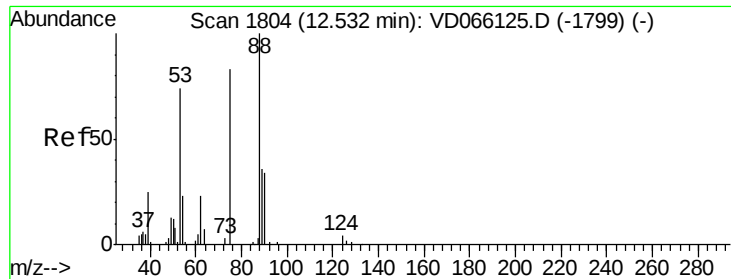
77 1.5 0.0 0.0#



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: 120.274 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066142.D

Acq: 06 Aug 2020 18:45

Instrument :

MSVOA_D

ClientSampleId :

8420

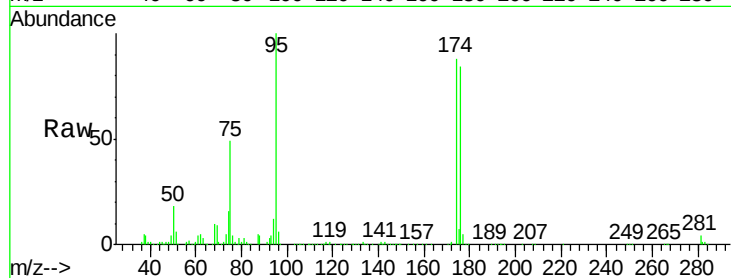
Tot Ion: 75 Resp: 138541

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

