

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066323.D
 Acq On : 19 Aug 2020 17:19
 Operator : VA/SY
 Sample : 12608
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 12608

Quant Time: Aug 20 07:40:16 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

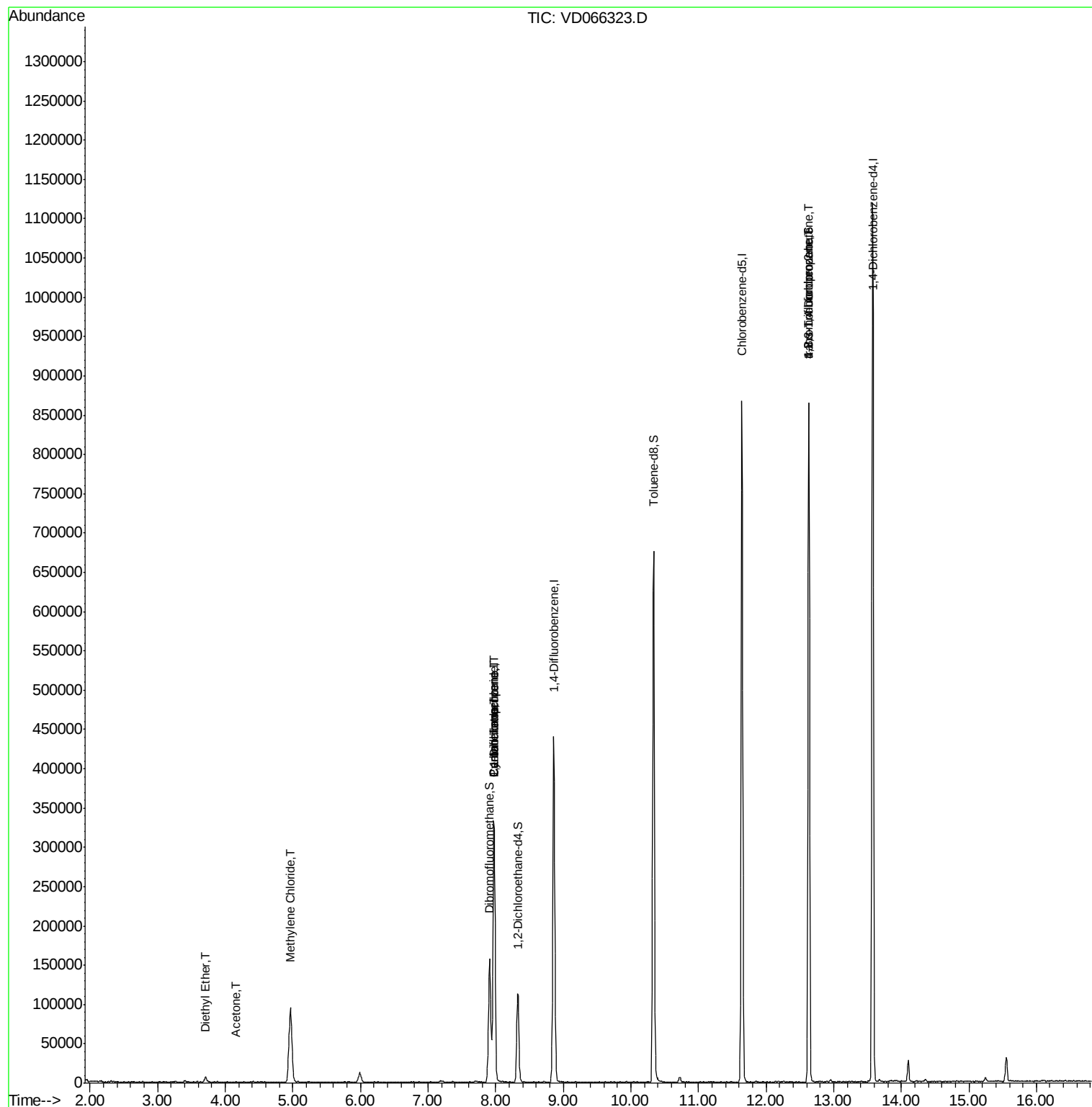
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	254475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	377511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	497687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	307022	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	98187	43.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.50%	
35) Dibromofluoromethane	7.91	113	110894	46.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.74%	
50) Toluene-d8	10.34	98	457323	51.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.63	95	260112	81.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	163.54%	
Target Compounds						
8) Diethyl Ether	3.71	74	3562	3.136	ug/l	92
11) Tert butyl alcohol	5.22	59	217	Below Cal	#	76
16) Acetone	4.16	43	450	1.045	ug/l #	44
20) Methylene Chloride	4.96	84	72868	27.341	ug/l	92
31) Cyclohexane	7.97	56	5582	1.403	ug/l #	38
36) 1,1-Dichloropropene	7.97	75	18017	5.079	ug/l #	53
38) Carbon Tetrachloride	7.97	117	25174	6.364	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	136403	53.275	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	136403	117.768	ug/l #	13

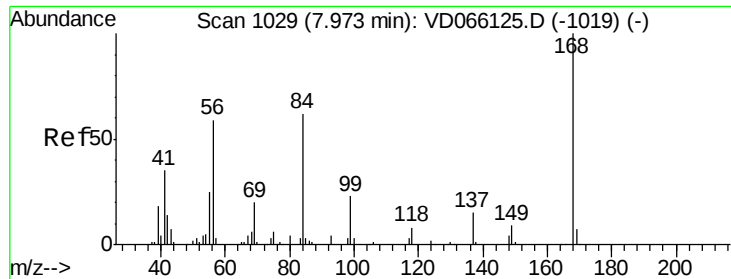
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066323.D

Acq: 19 Aug 2020 17:19

Instrument :

MSVOA_D

ClientSampleId :

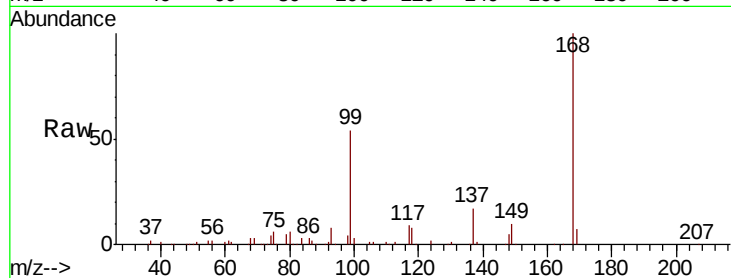
12608

Tot Ion:168 Resp: 254475

Ion Ratio Lower Upper

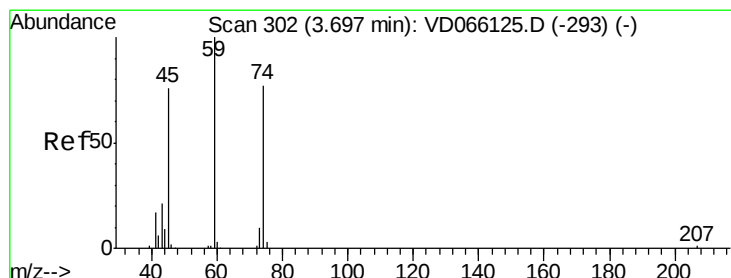
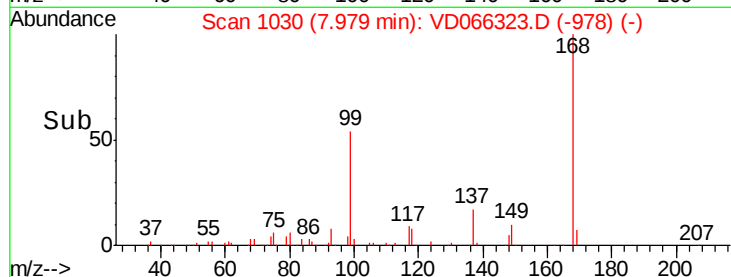
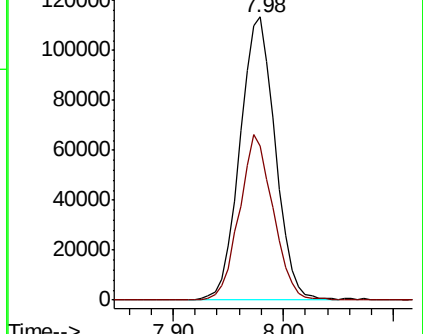
168 100

99 54.3 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: 3.136 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066323.D

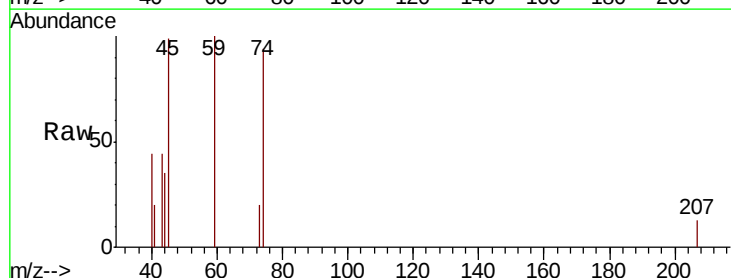
Acq: 19 Aug 2020 17:19

Tgt Ion: 74 Resp: 3562

Ion Ratio Lower Upper

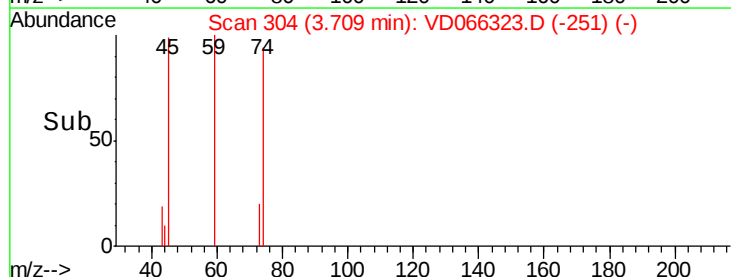
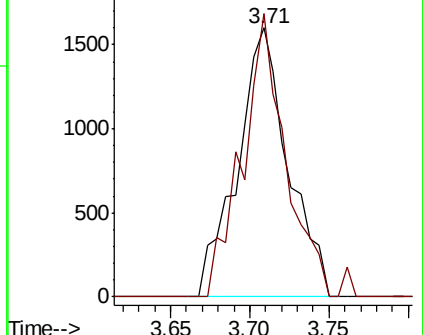
74 100

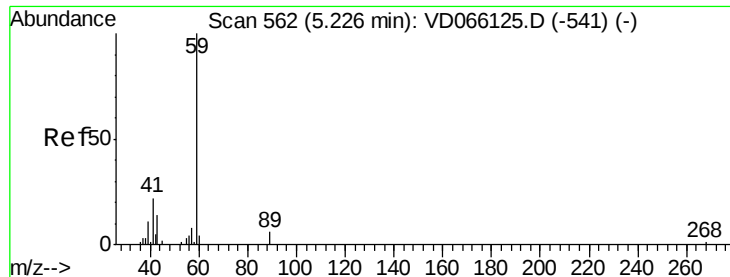
45 89.0 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

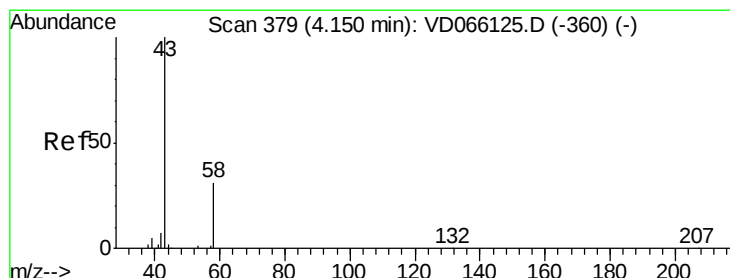
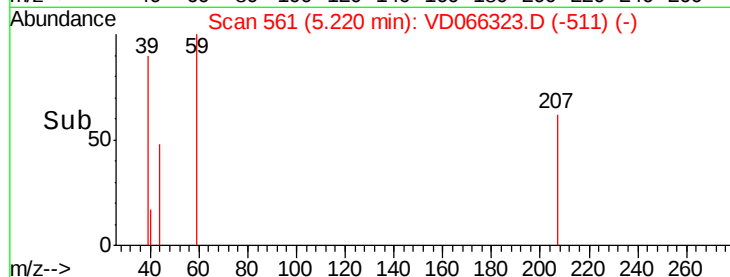
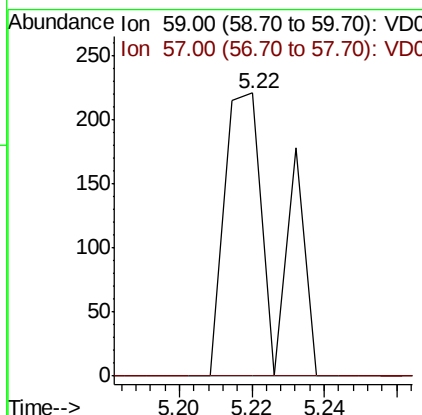
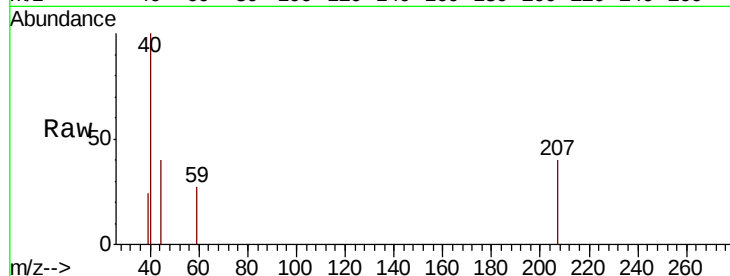




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD066323.D
Acq: 19 Aug 2020 17:19

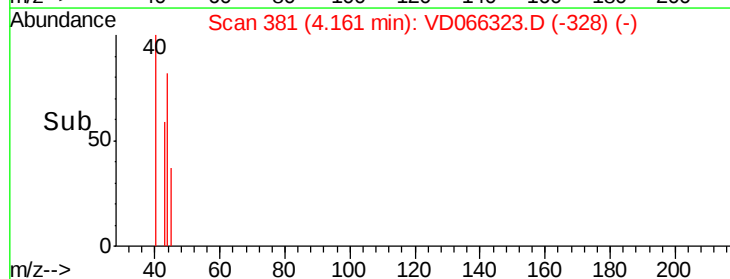
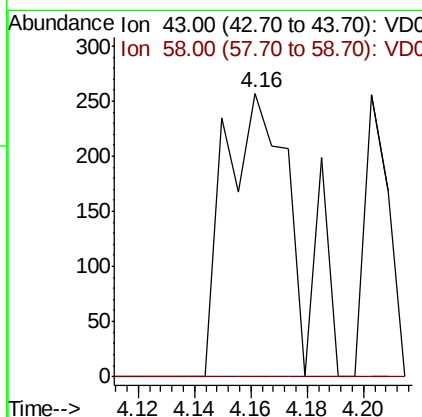
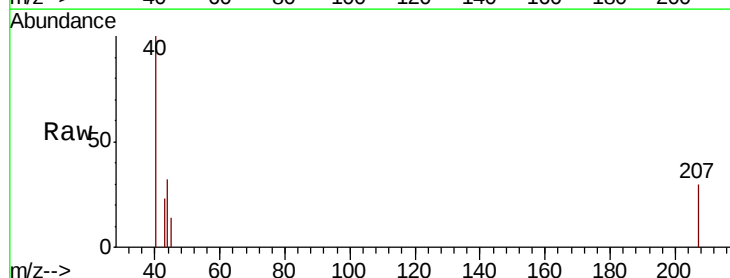
Instrument :
MSVOA_D
ClientSampleId :
12608

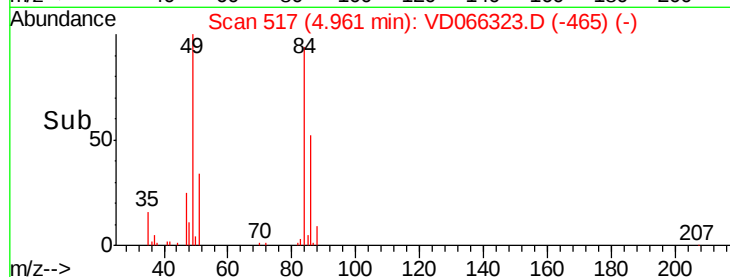
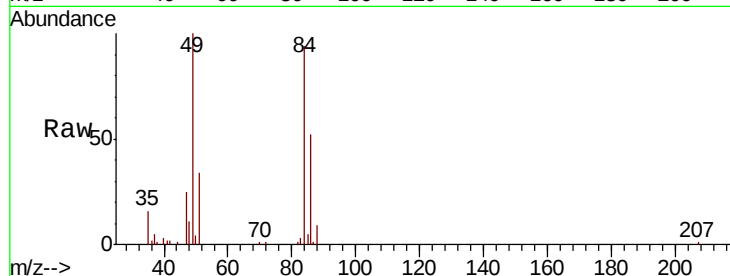
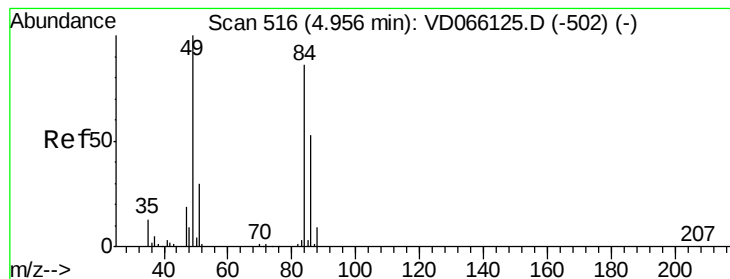
Tot Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



#16
Acetone
Concen: 1.045 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066323.D
Acq: 19 Aug 2020 17:19

Tgt Ion: 43 Resp: 450
Ion Ratio Lower Upper
43 100
58 0.0 24.7 37.1#





#20

Methylene Chloride

Concen: 27.341 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066323.D

Acq: 19 Aug 2020 17:19

Instrument :

MSVOA_D

ClientSampleId :

12608

Tot Ion: 84 Resp: 72868

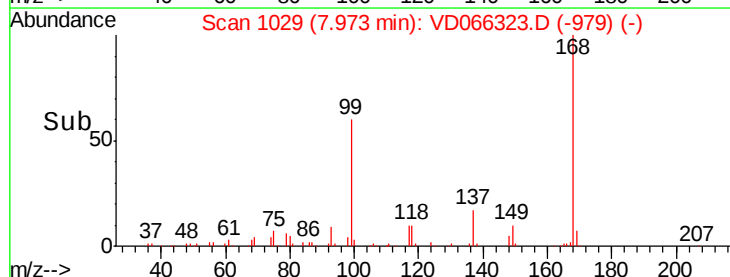
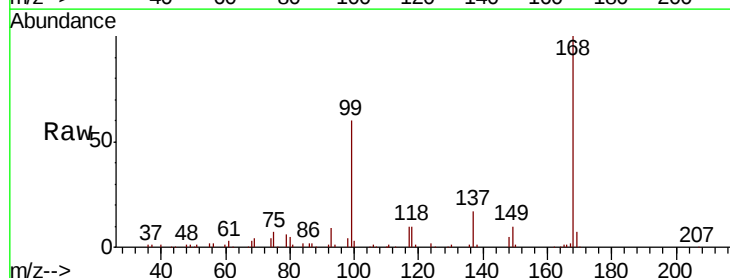
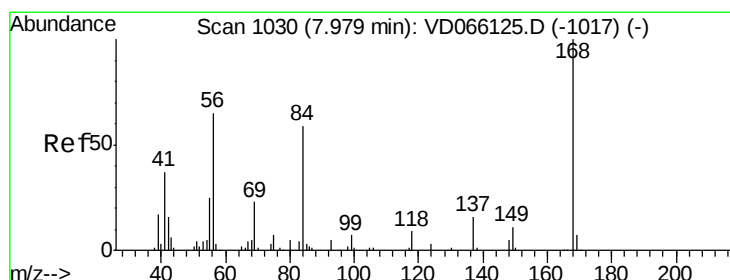
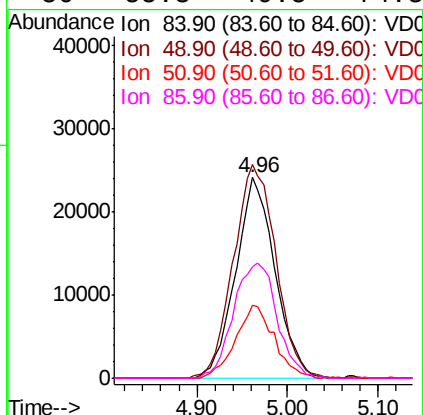
Ion Ratio Lower Upper

84 100

49 106.5 93.5 140.3

51 36.2 28.2 42.4

86 55.3 49.5 74.3



#31

Cyclohexane

Concen: 1.403 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066323.D

Acq: 19 Aug 2020 17:19

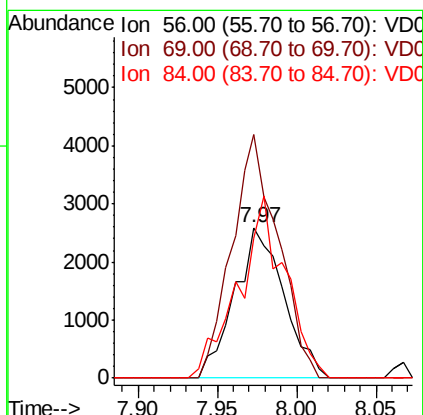
Tgt Ion: 56 Resp: 5582

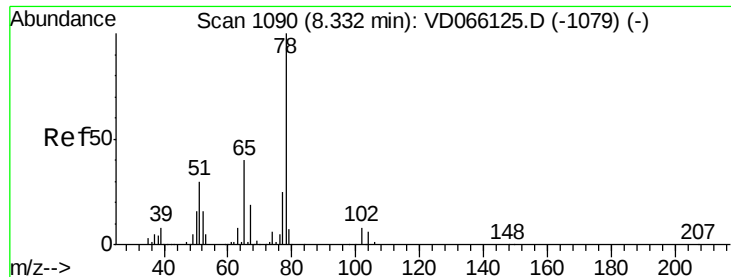
Ion Ratio Lower Upper

56 100

69 162.0 28.8 43.2#

84 93.4 73.0 109.6





#33

1,2-Dichloroethane-d4

Concen: 43.248 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066323.D

Acq: 19 Aug 2020 17:19

Instrument :

MSVOA_D

ClientSampleId :

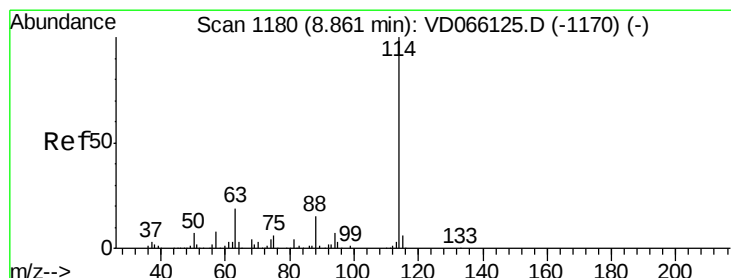
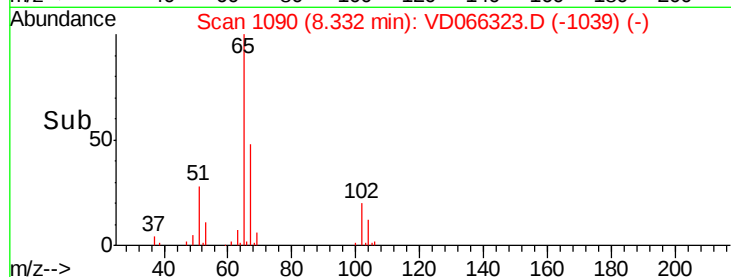
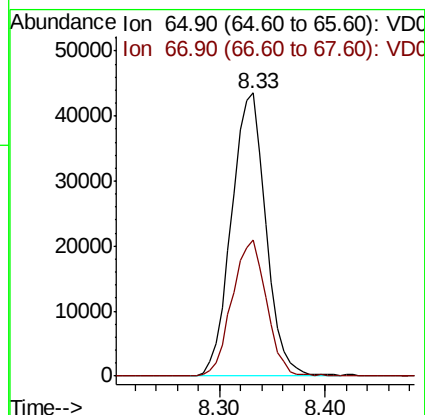
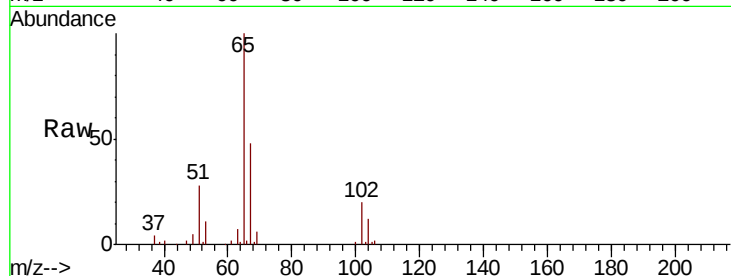
12608

Tot Ion: 65 Resp: 98187

Ion Ratio Lower Upper

65 100

67 48.1 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: VD066323.D

Acq: 19 Aug 2020 17:19

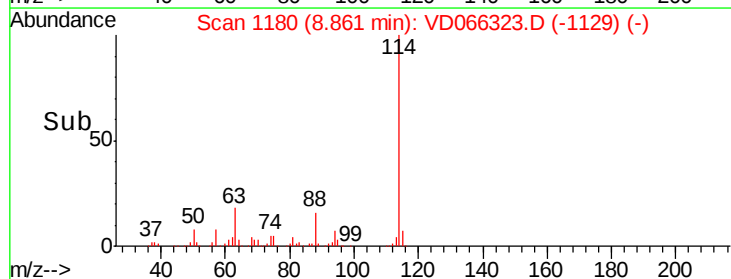
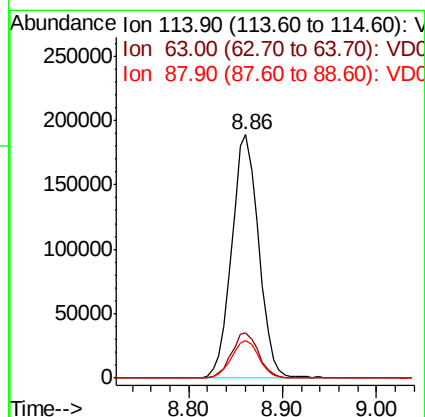
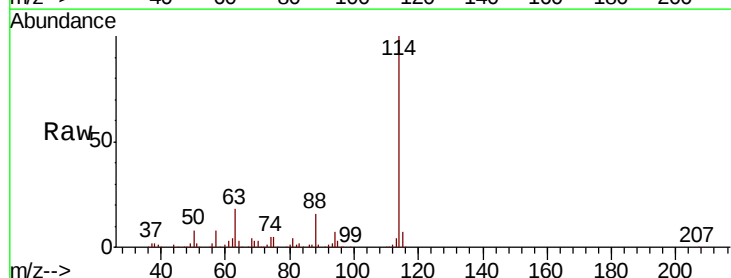
Tgt Ion: 114 Resp: 377511

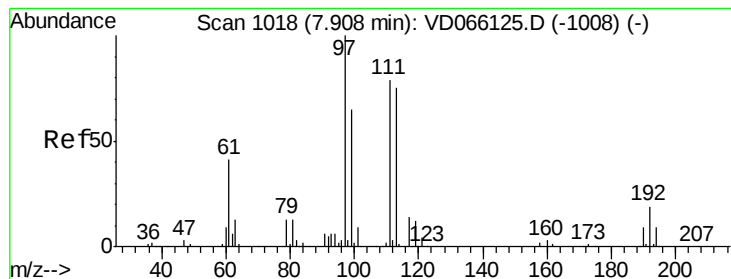
Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.6

88 15.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 46.370 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066323.D

Acq: 19 Aug 2020 17:19

Instrument :

MSVOA_D

ClientSampleId :

12608

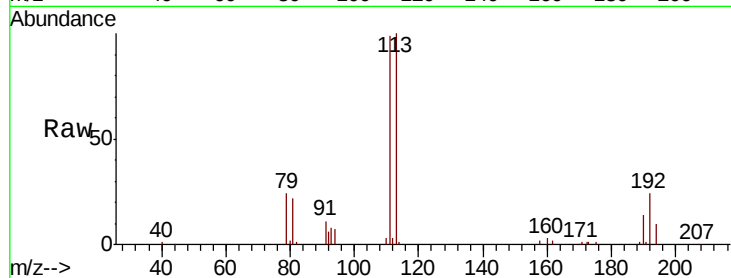
Tot Ion:113 Resp: 110894

Ion Ratio Lower Upper

113 100

111 102.7 80.7 121.1

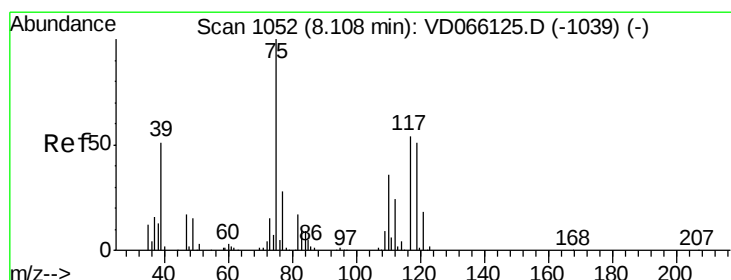
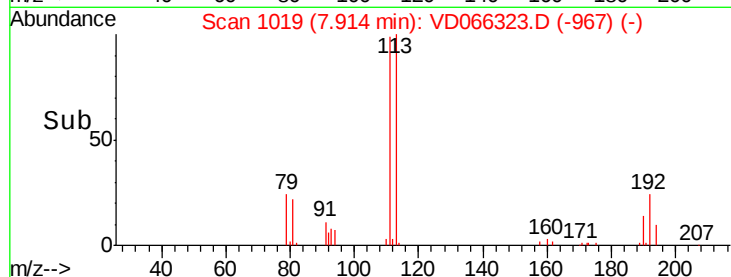
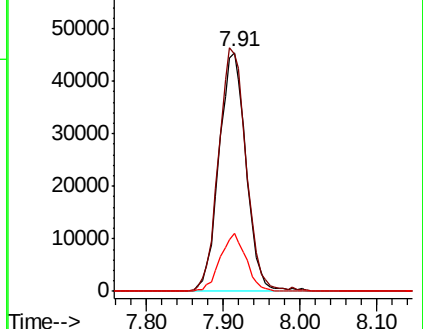
192 23.0 18.4 27.6



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: 5.079 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066323.D

Acq: 19 Aug 2020 17:19

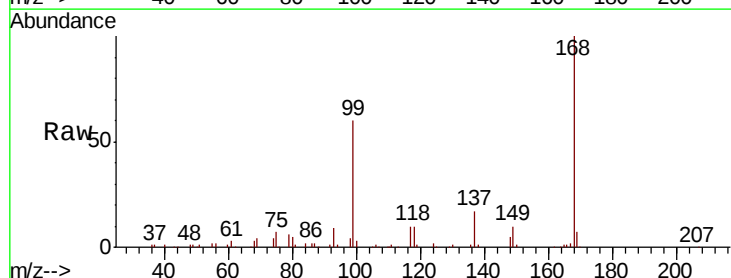
Tgt Ion: 75 Resp: 18017

Ion Ratio Lower Upper

75 100

110 13.5 18.8 56.3#

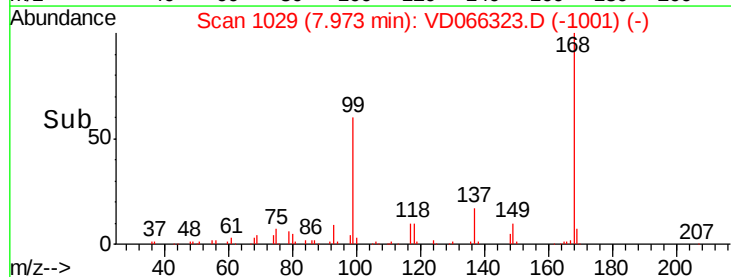
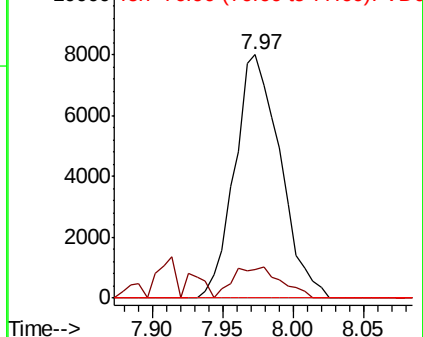
77 0.0 24.2 36.2#

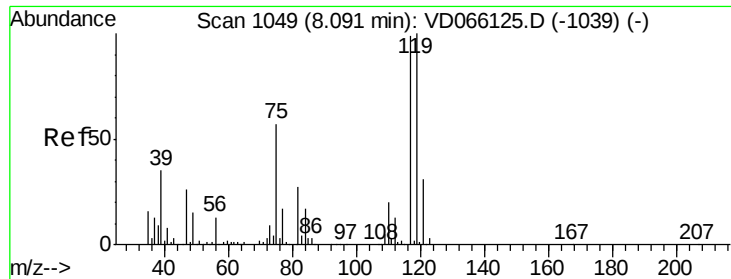


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.364 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066323.D

Acq: 19 Aug 2020 17:19

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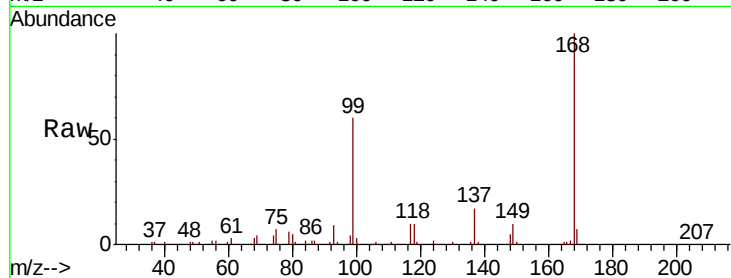
Tot Ion:117 Resp: 25174

Ion Ratio Lower Upper

117 100

119 7.8 81.0 121.4#

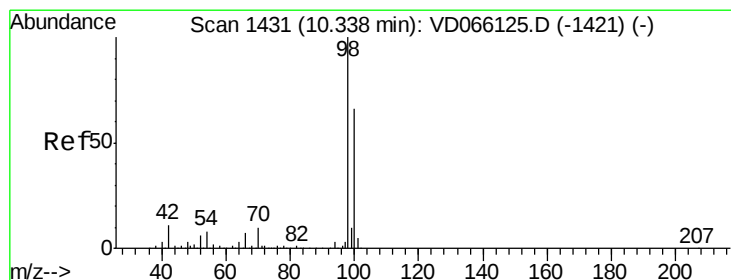
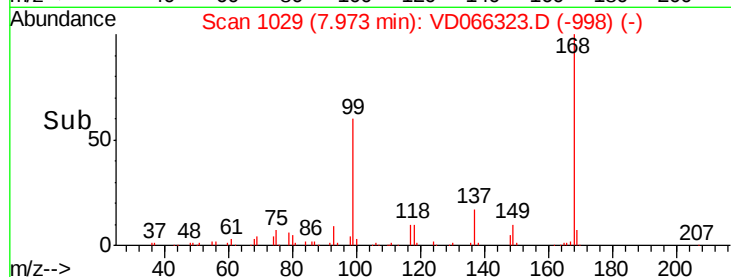
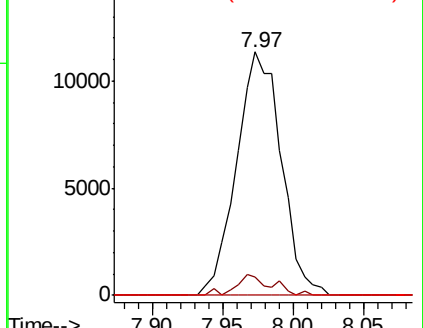
121 0.0 24.8 37.2#



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: 51.820 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066323.D

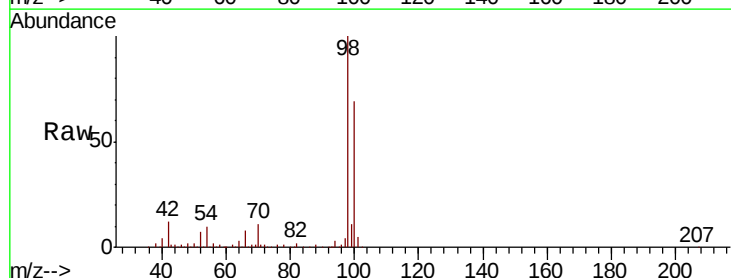
Acq: 19 Aug 2020 17:19

Tgt Ion: 98 Resp: 457323

Ion Ratio Lower Upper

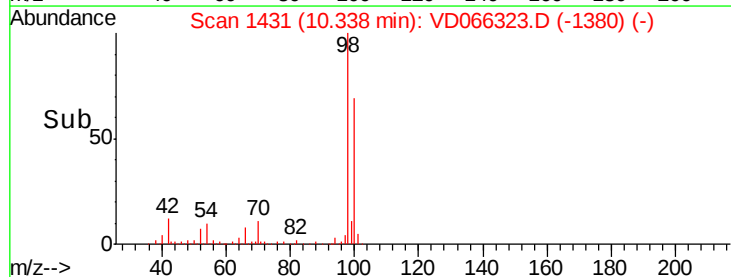
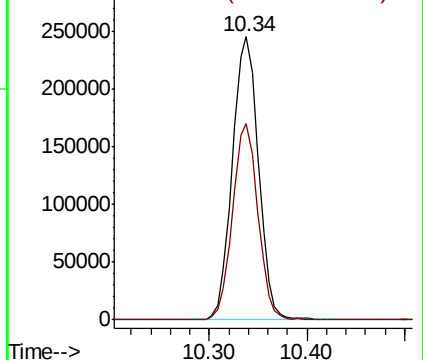
98 100

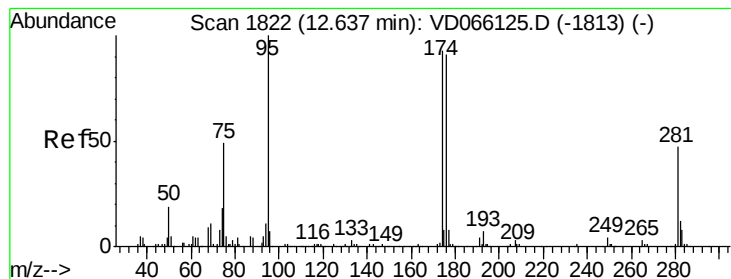
100 67.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 81.767 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066323.D

Acq: 19 Aug 2020 17:19

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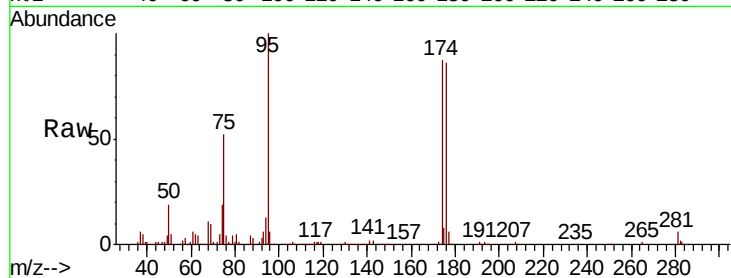
Tot Ion: 95 Resp: 260112

Ion Ratio Lower Upper

95 100

174 91.7 0.0 180.8

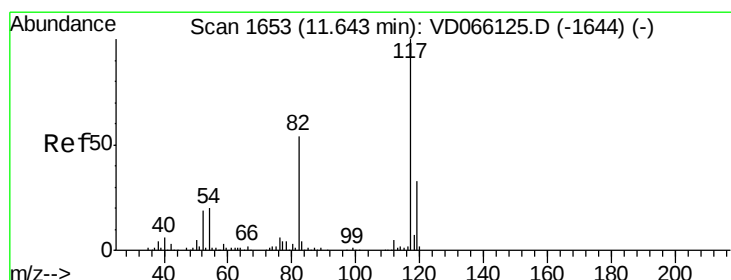
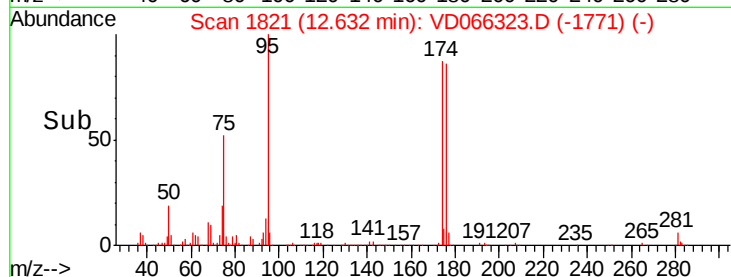
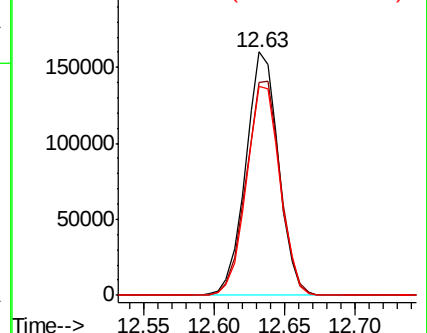
176 88.2 0.0 181.2



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: VD066323.D

Acq: 19 Aug 2020 17:19

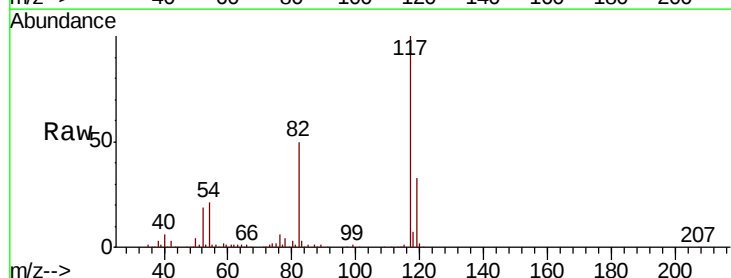
Tgt Ion: 117 Resp: 497687

Ion Ratio Lower Upper

117 100

82 50.3 43.0 64.4

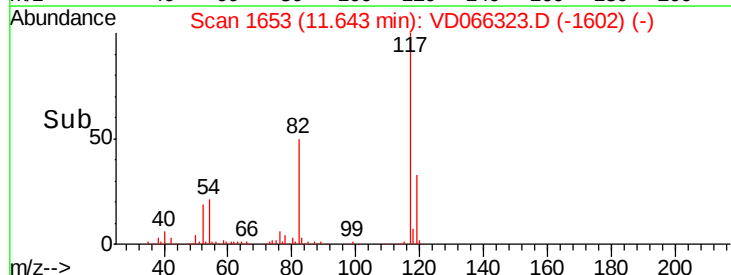
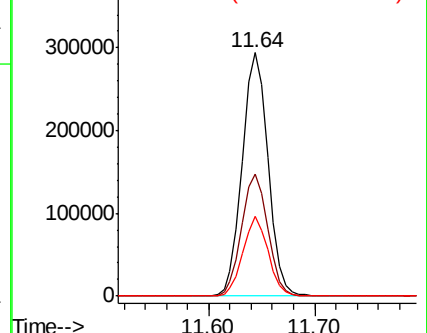
119 32.9 26.1 39.1

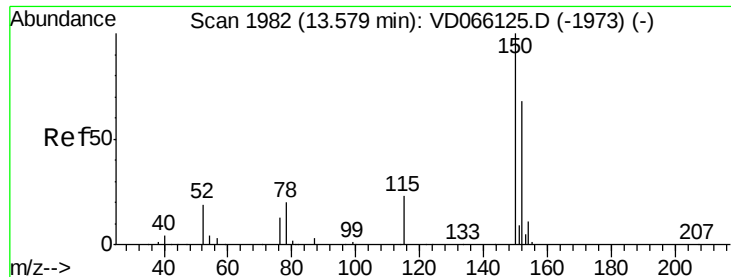


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066323.D

Acq: 19 Aug 2020 17:19

Instrument :

MSVOA_D

ClientSampleId :

12608

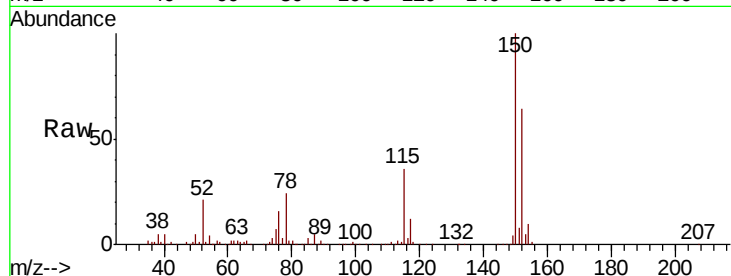
Tot Ion:152 Resp: 307022

Ion Ratio Lower Upper

152 100

115 56.8 28.0 83.9

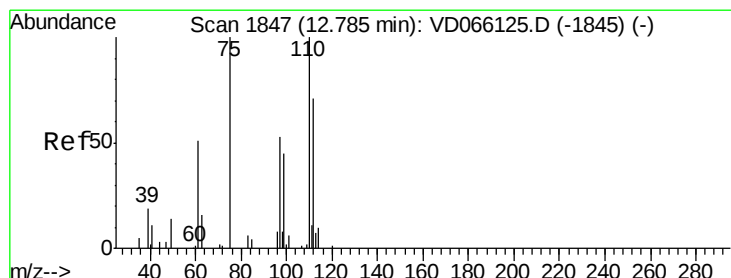
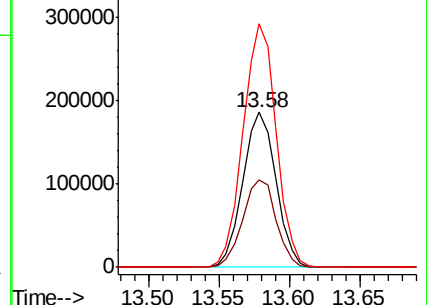
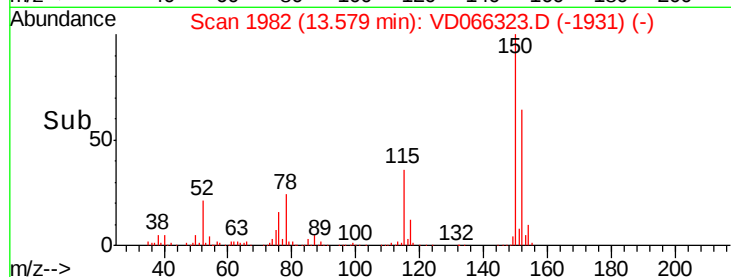
150 155.9 0.0 346.4



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: 53.275 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066323.D

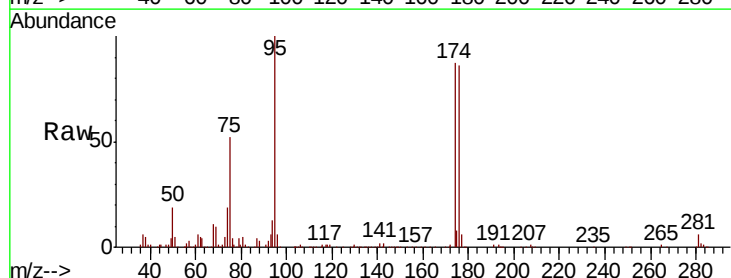
Acq: 19 Aug 2020 17:19

Tgt Ion: 75 Resp: 136403

Ion Ratio Lower Upper

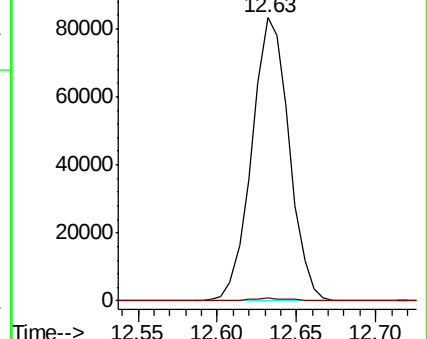
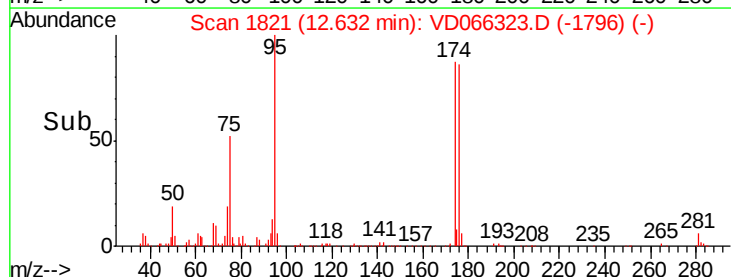
75 100

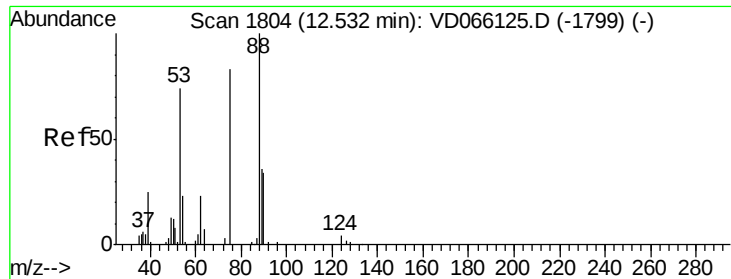
77 1.0 0.0 0.0#



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: 117.768 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066323.D

Acq: 19 Aug 2020 17:19

Instrument :

MSVOA_D

ClientSampleId :

12608

Tot Ion: 75 Resp: 136403

Ion Ratio Lower Upper

75 100

53 0.1 73.4 110.2#

89 0.0 36.6 55.0#

