

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066460.D
 Acq On : 28 Aug 2020 15:22
 Operator : VA/SY
 Sample : L3827-05
 Misc : 5.28G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP07-1218-01

Quant Time: Aug 29 00:45:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	188848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	263133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	240459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	127691	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	102696	55.47	ug/l	0.00
Spiked Amount			Recovery	=	110.94%	
35) Dibromofluoromethane	7.91	113	81340	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	10.34	98	303022	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.63	95	107390	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	

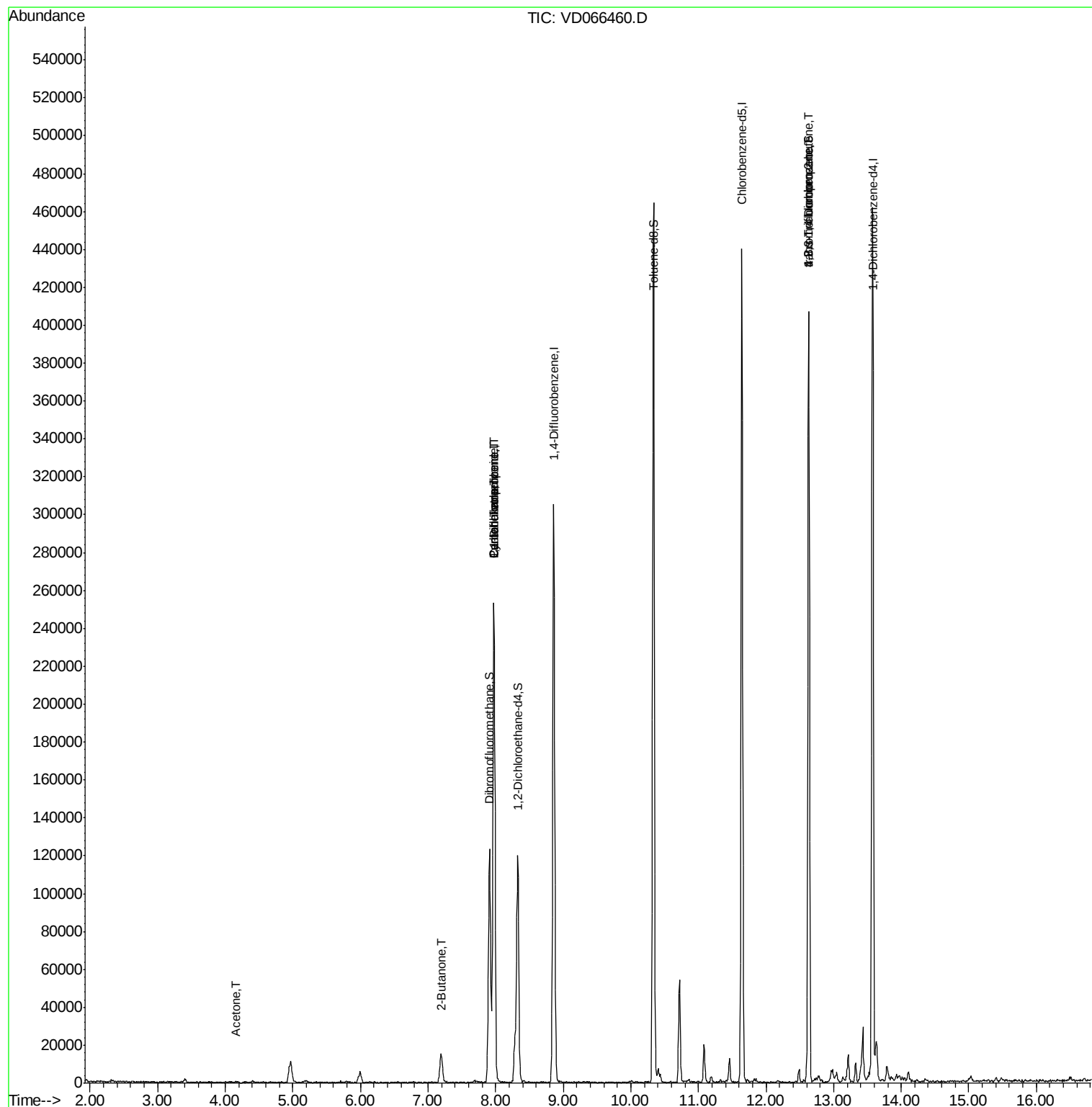
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	249	Below Cal	#	71
16) Acetone	4.16	43	1371	4.107	ug/l #	46
20) Methylene Chloride	4.96	84	9142	Below Cal		92
25) 2-Butanone	7.20	43	913	2.409	ug/l #	47
31) Cyclohexane	7.97	56	4268	1.660	ug/l #	51
36) 1,1-Dichloropropene	7.97	75	13256	5.521	ug/l #	53
38) Carbon Tetrachloride	7.98	117	19618	6.272	ug/l #	14
76) 1,2,3-Trichloropropane	12.63	75	65305	72.697	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	65305	154.313	ug/l #	6

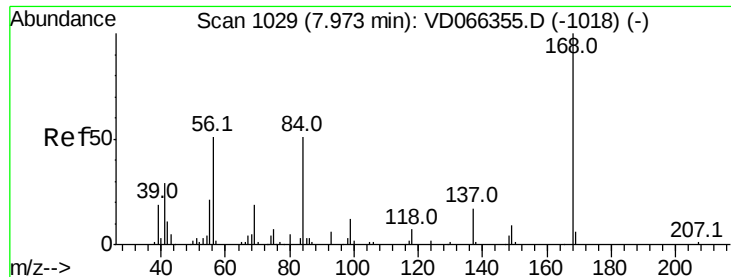
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066460.D

Acq: 28 Aug 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

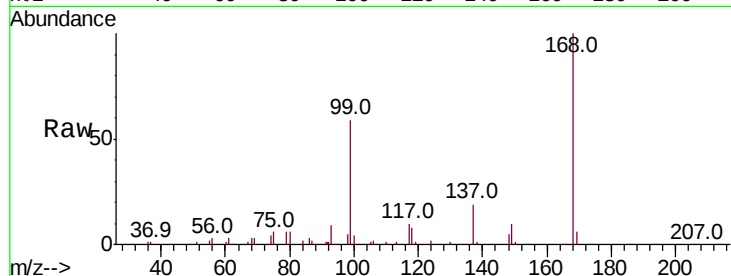
789UMR-TP07-1218-01

Tot Ion:168 Resp: 188848

Ion Ratio Lower Upper

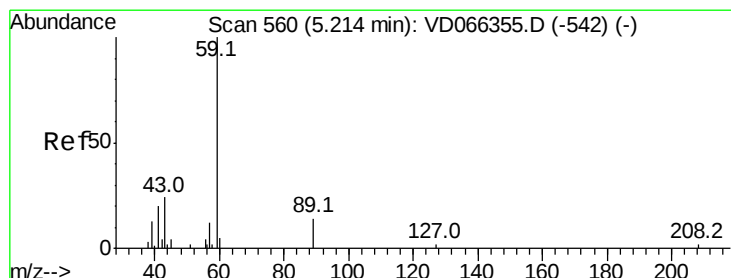
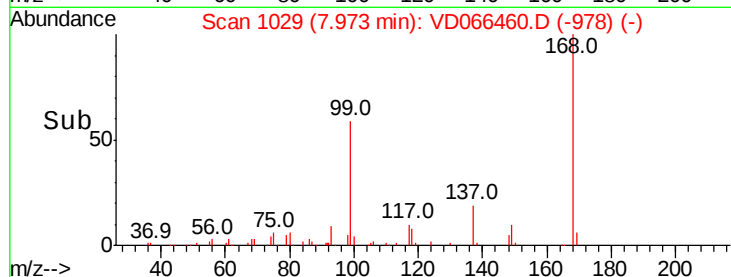
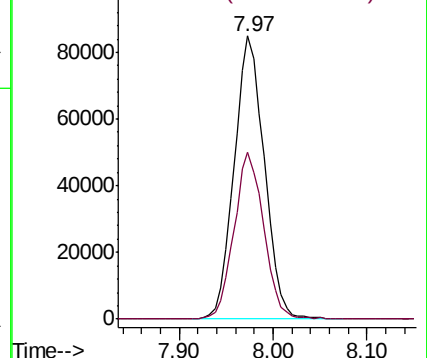
168 100

99 59.1 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD066460.D

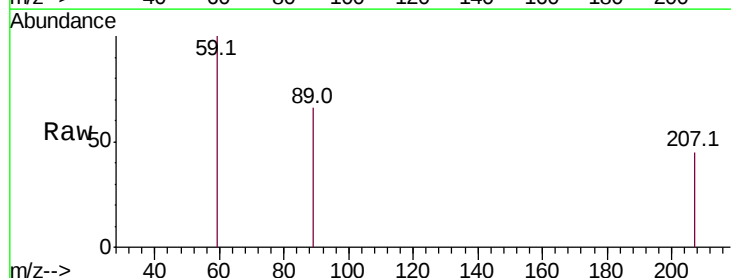
Acq: 28 Aug 2020 15:22

Tgt Ion: 59 Resp: 249

Ion Ratio Lower Upper

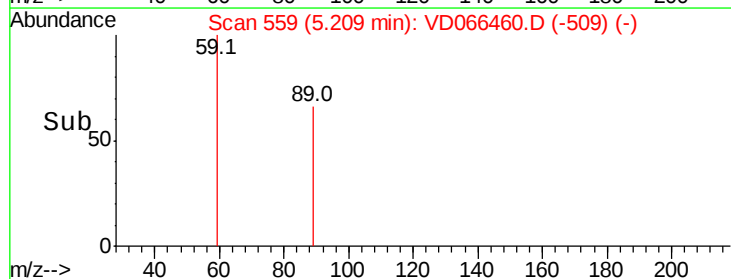
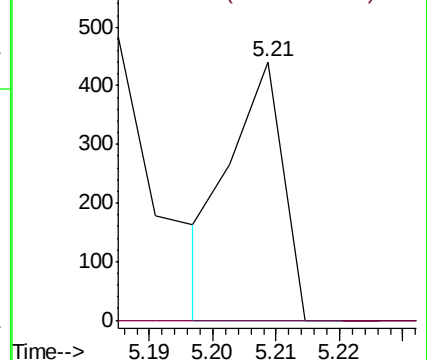
59 100

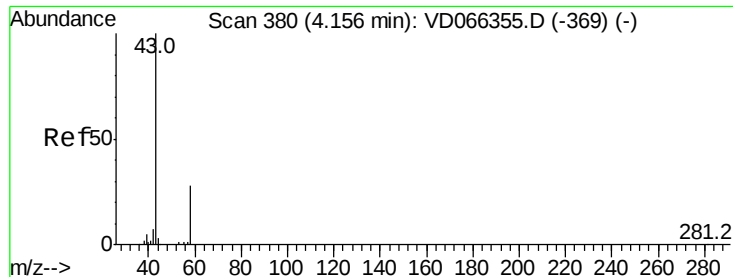
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 4.107 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066460.D

Acq: 28 Aug 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

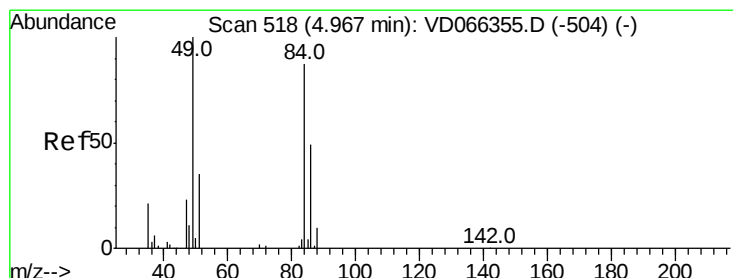
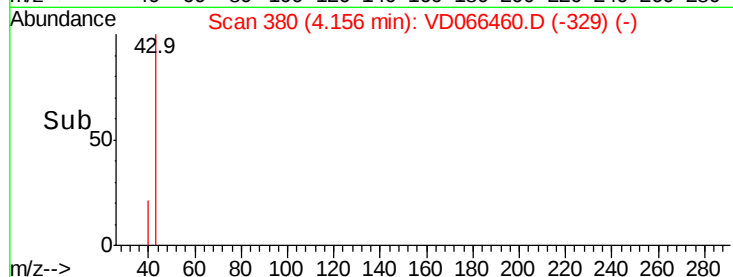
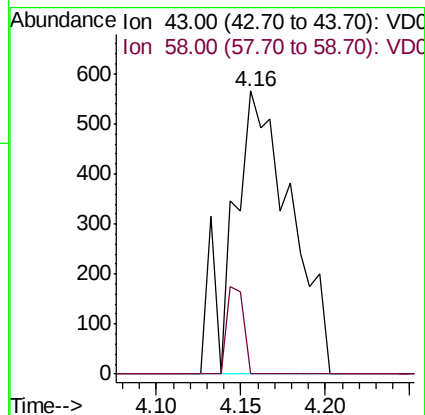
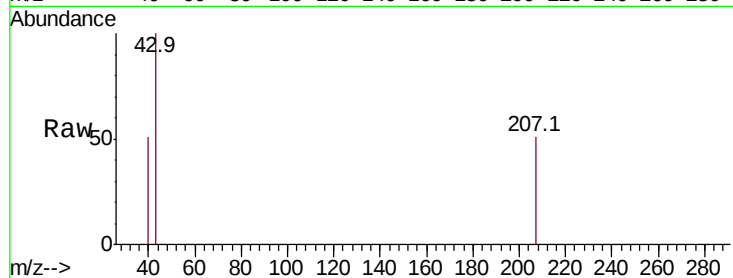
789UMR-TP07-1218-01

Tot Ion: 43 Resp: 1371

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066460.D

Acq: 28 Aug 2020 15:22

Tgt Ion: 84 Resp: 9142

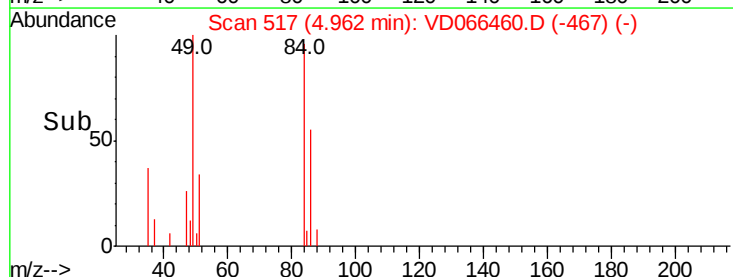
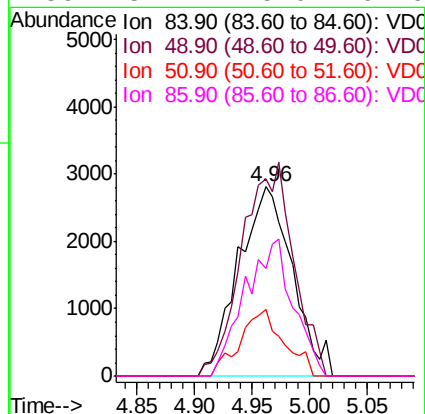
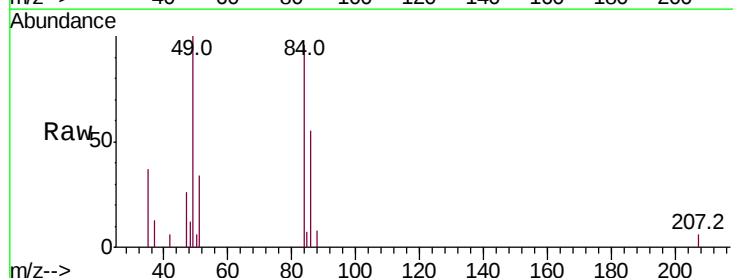
Ion Ratio Lower Upper

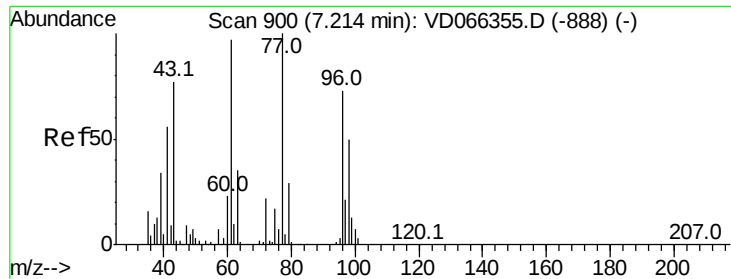
84 100

49 104.4 92.5 138.7

51 35.2 32.5 48.7

86 57.1 45.0 67.6

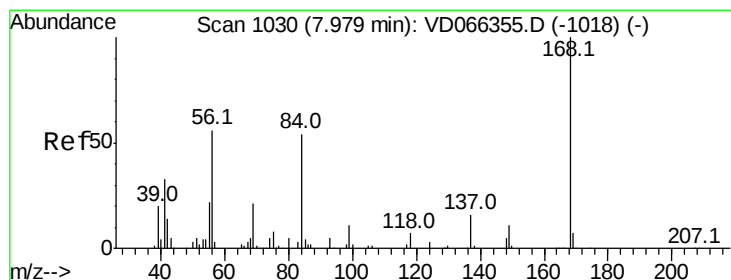
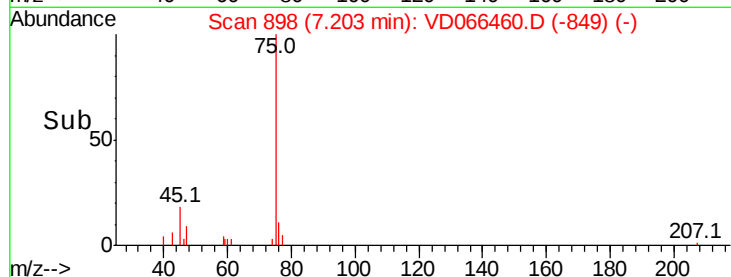
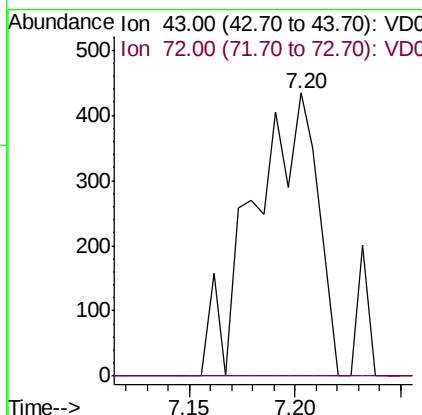
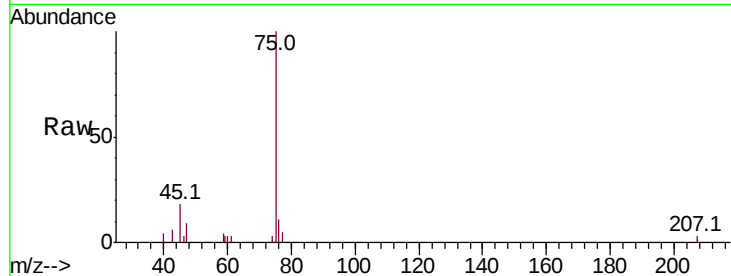




#25
2-Butanone
Concen: 2.409 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066460.D
Acq: 28 Aug 2020 15:22

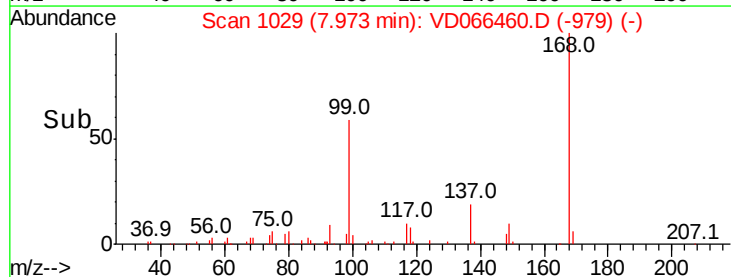
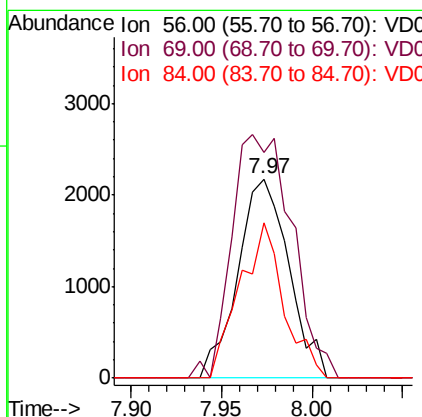
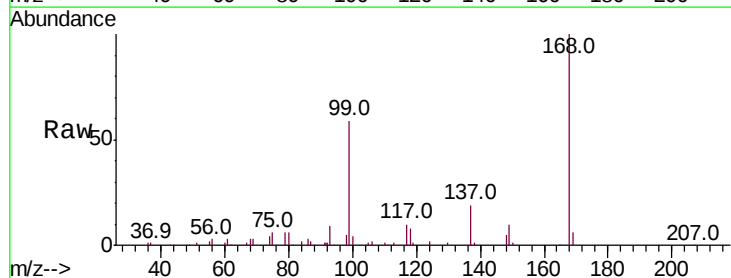
Instrument :
MSVOA_D
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789UMR-TP07-1218-01

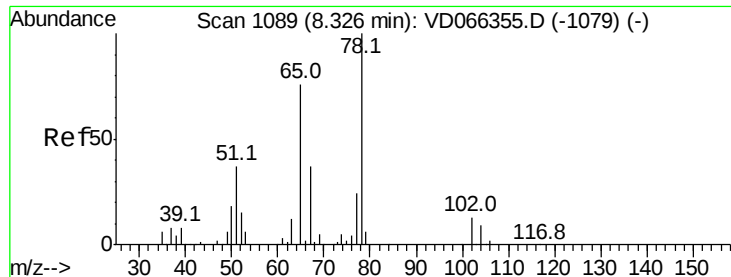
Tot Ion: 43 Resp: 913
Ion Ratio Lower Upper
43 100
72 0.0 22.5 33.7#



#31
Cyclohexane
Concen: 1.660 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066460.D
Acq: 28 Aug 2020 15:22

Tgt Ion: 56 Resp: 4268
Ion Ratio Lower Upper
56 100
69 113.1 29.6 44.4#
84 78.2 76.6 115.0

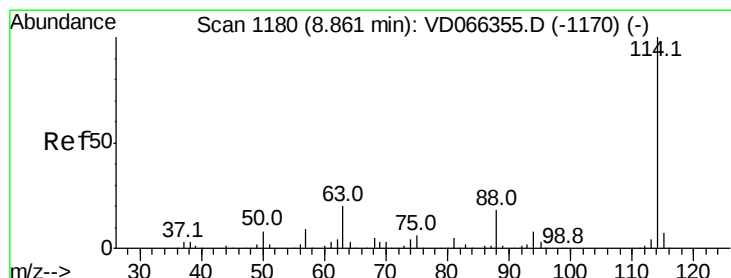
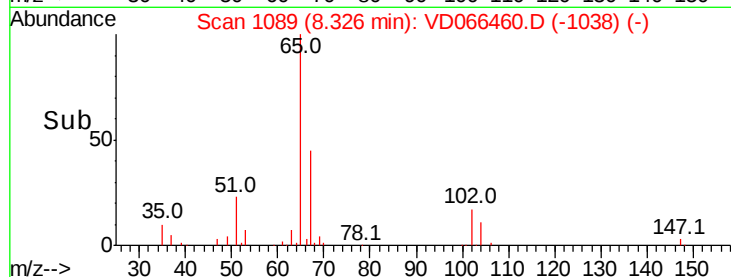
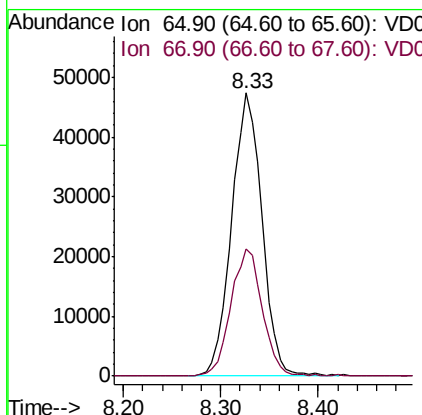
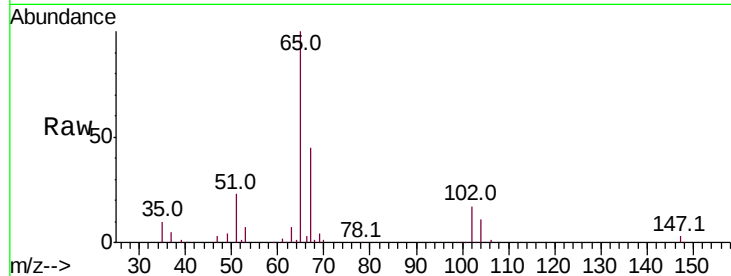




#33
 1,2-Dichloroethane-d4
 Concen: 55.468 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066460.D
 Acq: 28 Aug 2020 15:22

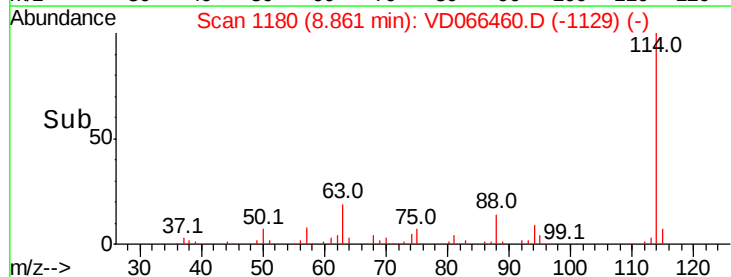
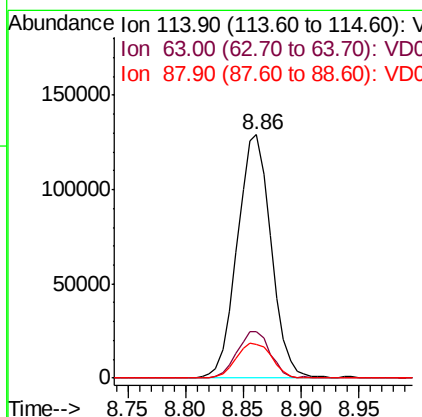
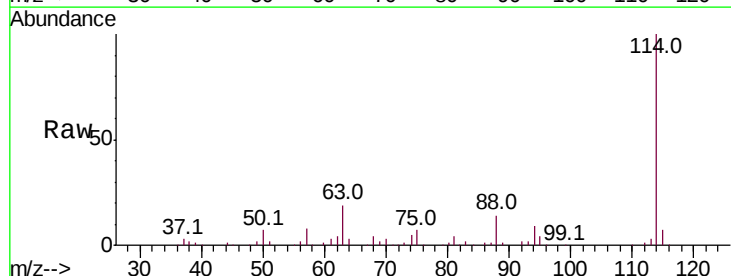
Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP07-1218-01

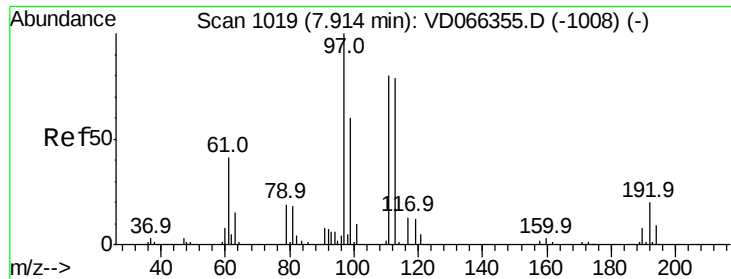
Tot Ion: 65 Resp: 102696
 Ion Ratio Lower Upper
 65 100
 67 46.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066460.D
 Acq: 28 Aug 2020 15:22

Tgt Ion: 114 Resp: 263133
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.8
 88 13.7 0.0 35.4

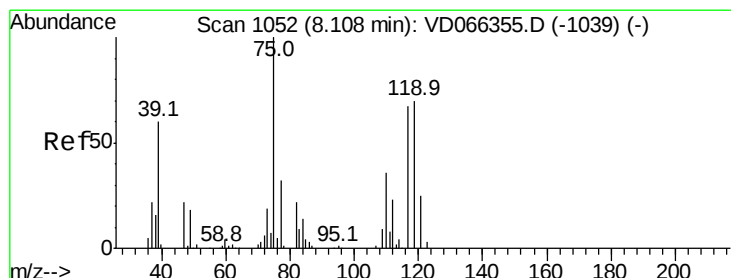
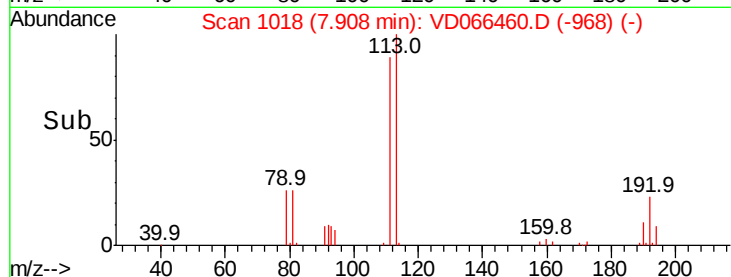
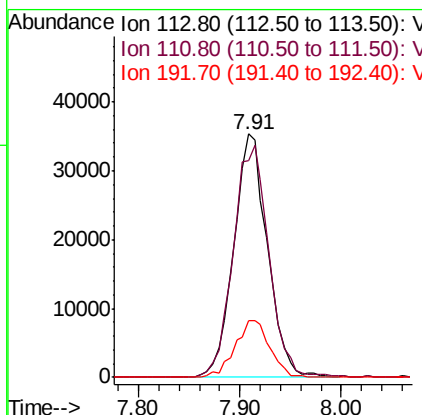
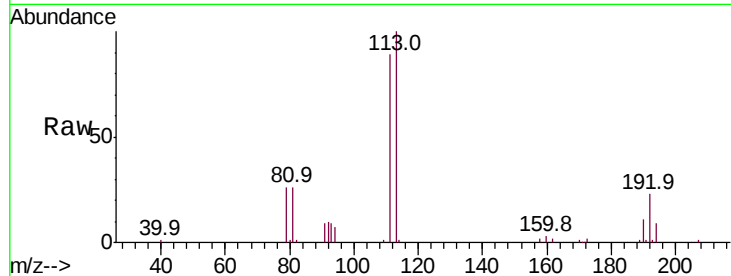




#35
 Dibromofluoromethane
 Concen: 49.435 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066460.D
 Acq: 28 Aug 2020 15:22

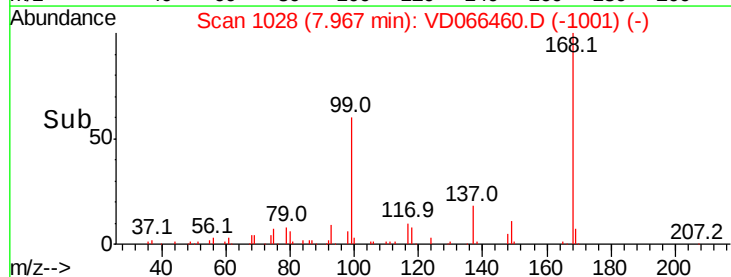
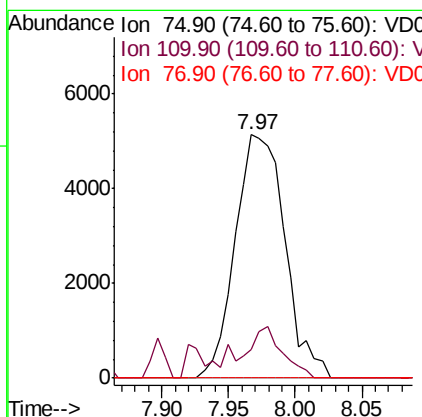
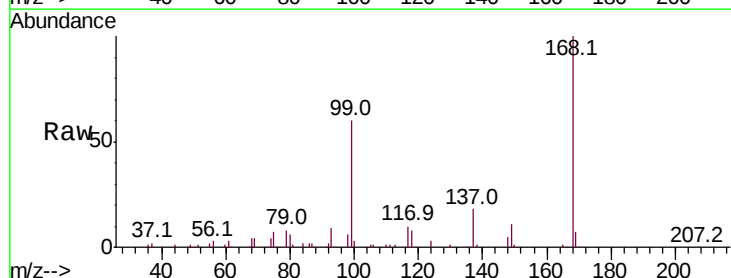
Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP07-1218-01

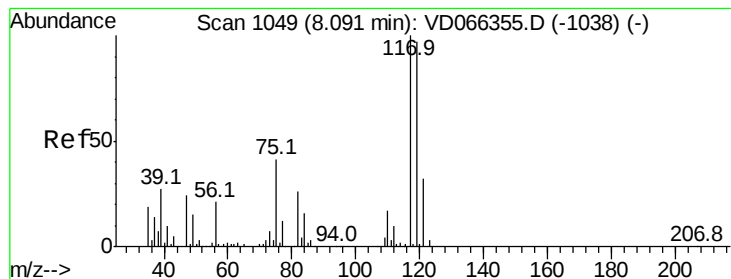
Tot Ion:113 Resp: 81340
 Ion Ratio Lower Upper
 113 100
 111 101.2 80.3 120.5
 192 24.0 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 5.521 ug/l
 RT: 7.97 min Scan# 1028
 Delta R.T. -0.14 min
 Lab File: VD066460.D
 Acq: 28 Aug 2020 15:22

Tgt Ion: 75 Resp: 13256
 Ion Ratio Lower Upper
 75 100
 110 13.8 18.7 56.1#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 6.272 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066460.D

Acq: 28 Aug 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP07-1218-01

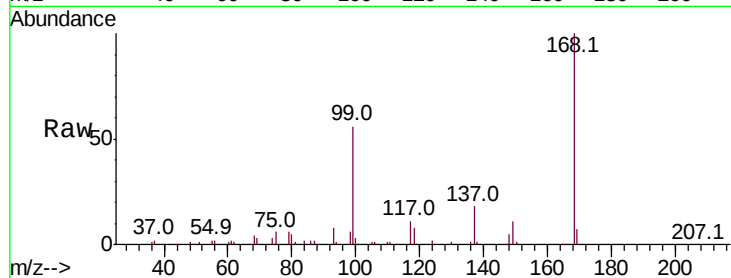
Tot Ion:117 Resp: 19618

Ion Ratio Lower Upper

117 100

119 3.5 77.2 115.8#

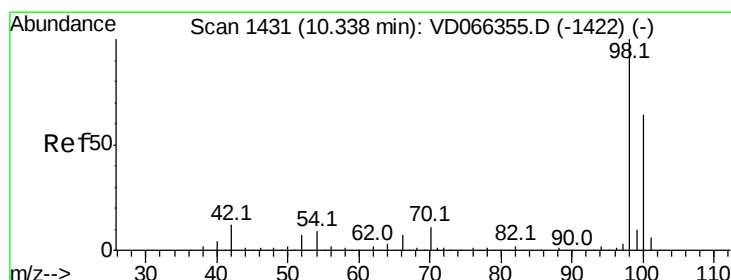
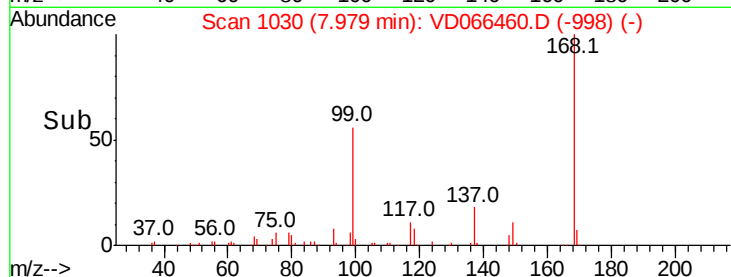
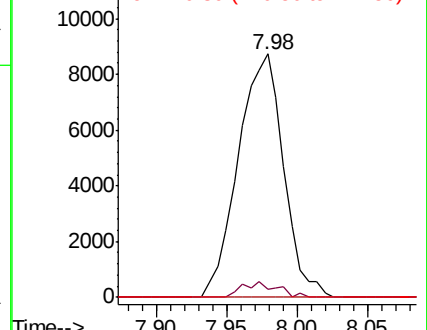
121 0.0 25.8 38.8#



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: 50.334 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066460.D

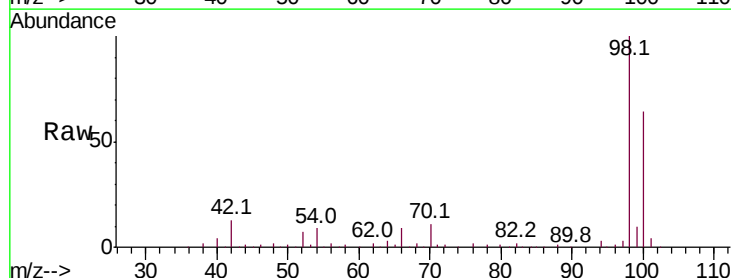
Acq: 28 Aug 2020 15:22

Tgt Ion: 98 Resp: 303022

Ion Ratio Lower Upper

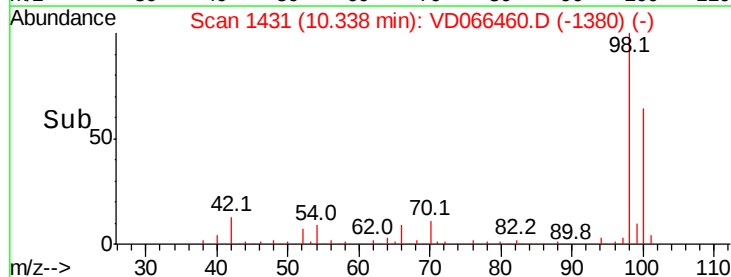
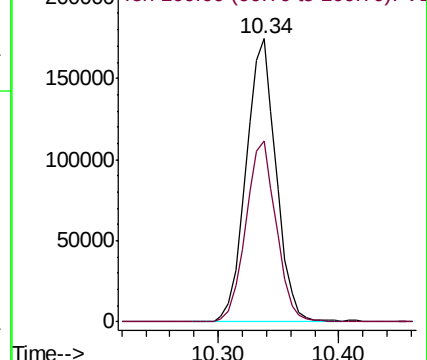
98 100

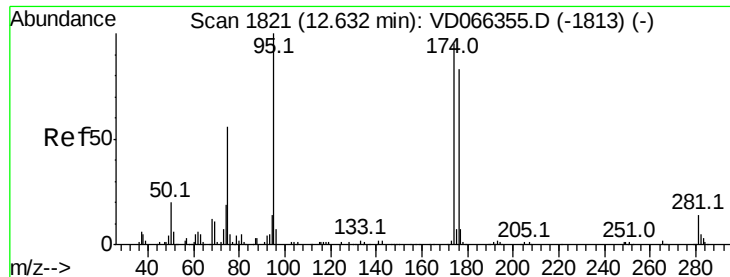
100 64.7 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 50.270 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066460.D

Acq: 28 Aug 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP07-1218-01

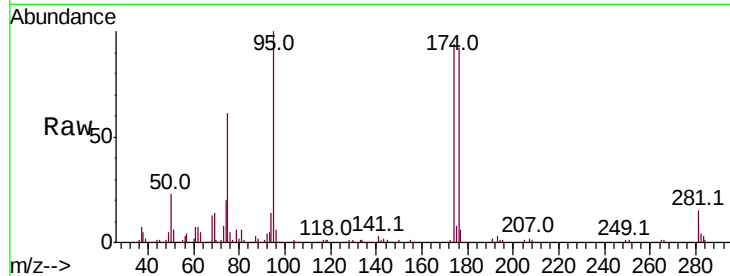
Tot Ion: 95 Resp: 107390

Ion Ratio Lower Upper

95 100

174 96.2 0.0 183.4

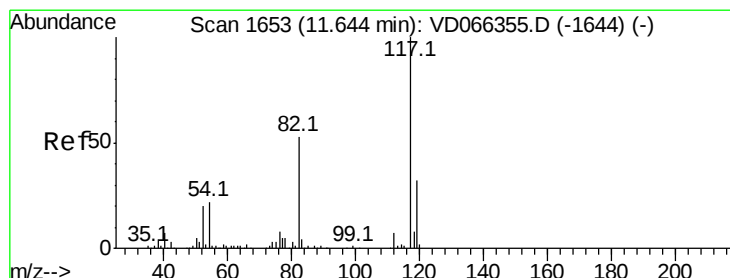
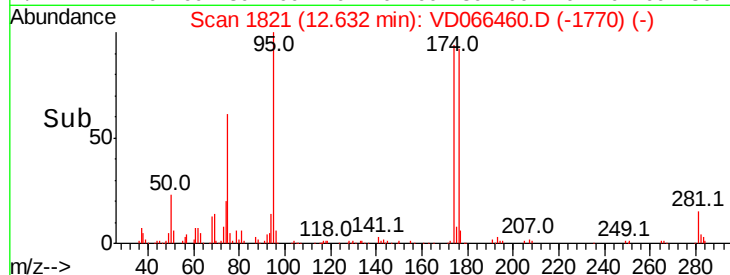
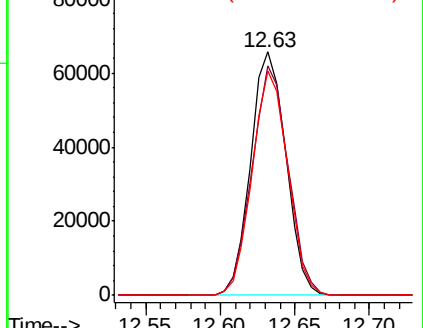
176 93.0 0.0 173.8



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: VD066460.D

Acq: 28 Aug 2020 15:22

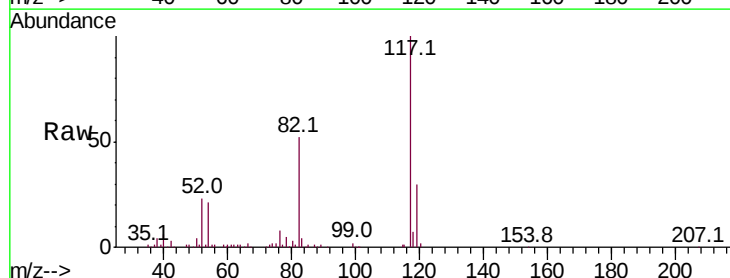
Tgt Ion: 117 Resp: 240459

Ion Ratio Lower Upper

117 100

82 52.1 42.8 64.2

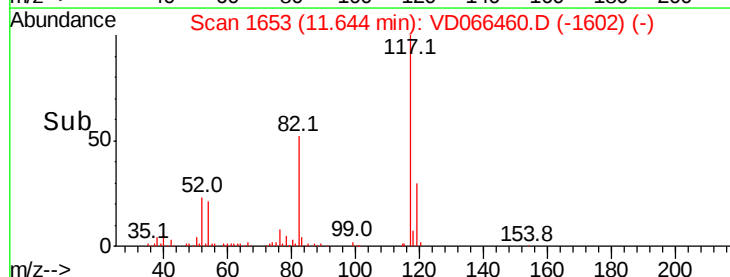
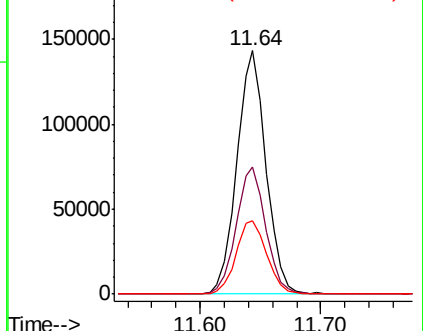
119 30.1 25.8 38.8

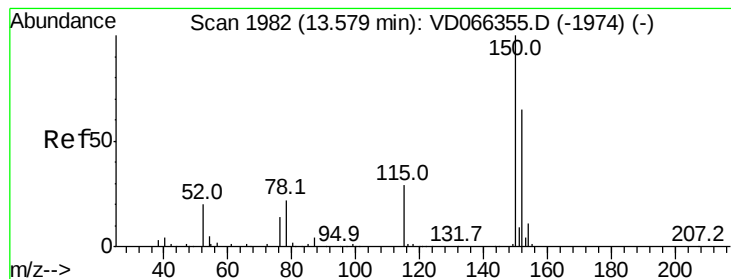


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066460.D

Acq: 28 Aug 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP07-1218-01

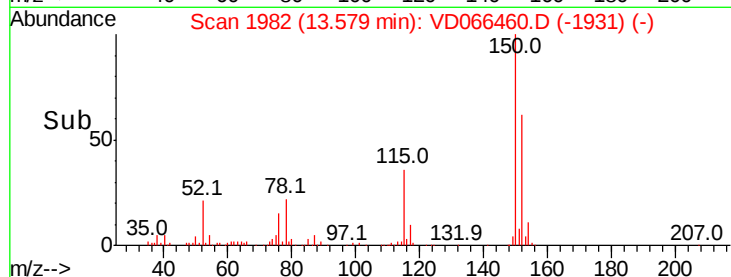
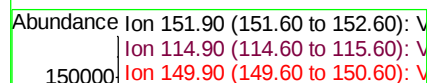
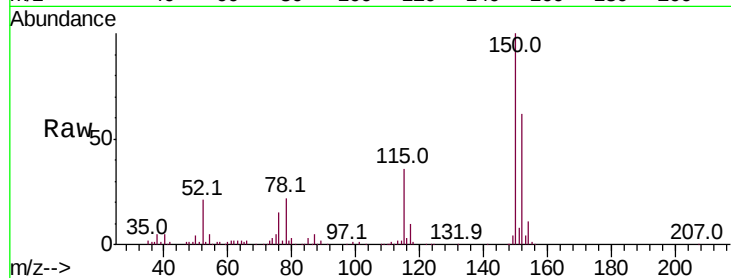
Tot Ion:152 Resp: 127691

Ion Ratio Lower Upper

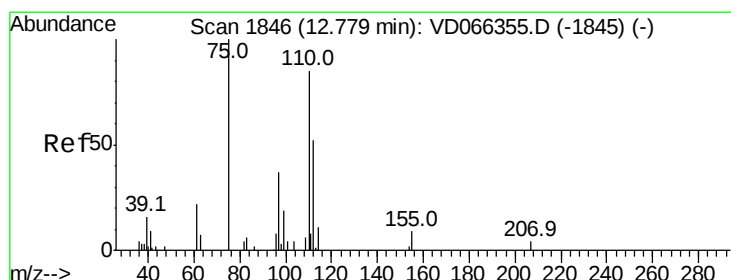
152 100

115 57.7 28.3 85.0

150 156.6 0.0 343.2



Time-->



#76

1,2,3-Trichloropropane

Concen: 72.697 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066460.D

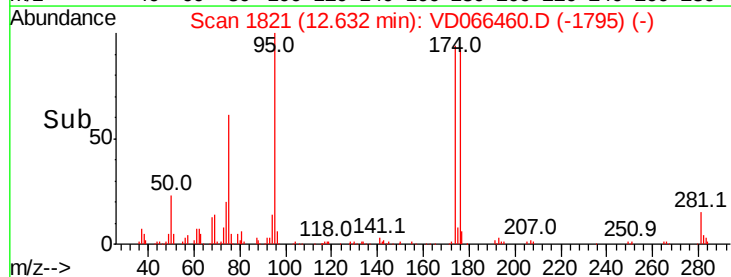
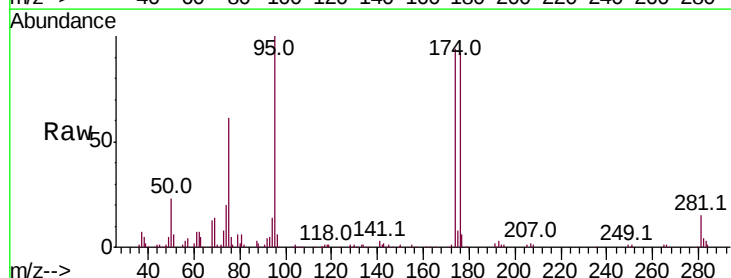
Acq: 28 Aug 2020 15:22

Tgt Ion: 75 Resp: 65305

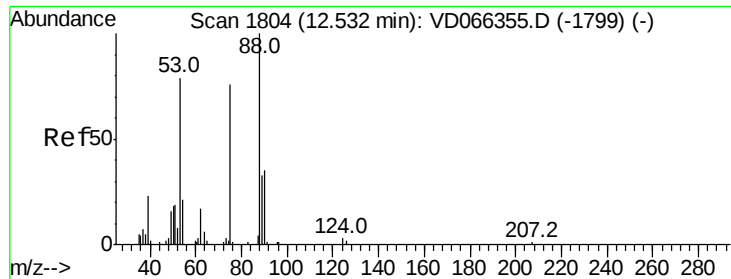
Ion Ratio Lower Upper

75 100

77 0.9 182.9 548.9#



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 154.313 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066460.D

Acq: 28 Aug 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP07-1218-01

Tot Ion: 75 Resp: 65305

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.1 39.4 59.0#

