

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066456.D
 Acq On : 28 Aug 2020 13:32
 Operator : VA/SY
 Sample : L3823-05
 Misc : 6.68G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP05-1218-01RE

Quant Time: Aug 29 00:45:20 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	62381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	91131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	83716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	40957	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	44906	73.43	ug/l	0.00
Spiked Amount			Recovery	=	146.86%	
35) Dibromofluoromethane	7.91	113	30337	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
50) Toluene-d8	10.34	98	102924	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.63	95	36939	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	

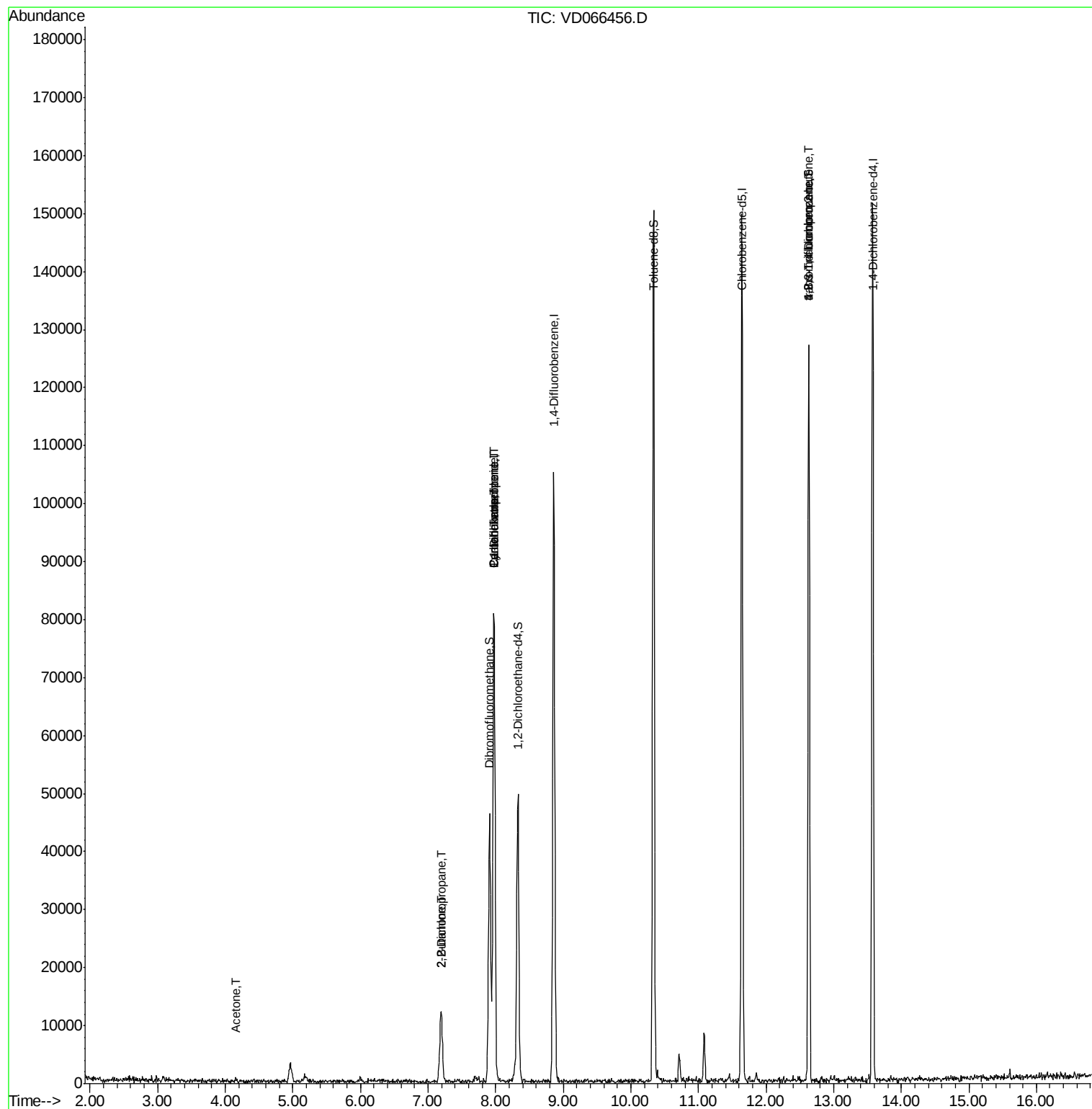
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	410	Below Cal	#	71
16) Acetone	4.16	43	840	7.618	ug/l #	46
20) Methylene Chloride	4.96	84	2484	Below Cal	#	71
25) 2-Butanone	7.19	43	280	2.237	ug/l #	47
26) 2,2-Dichloropropane	7.20	77	1084	1.089	ug/l #	55
31) Cyclohexane	7.97	56	1336	1.573	ug/l #	41
36) 1,1-Dichloropropene	7.97	75	3966	4.770	ug/l #	47
38) Carbon Tetrachloride	7.98	117	6018	5.555	ug/l #	19
76) 1,2,3-Trichloropropane	12.63	75	21618	75.027	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	21618	159.259	ug/l #	6

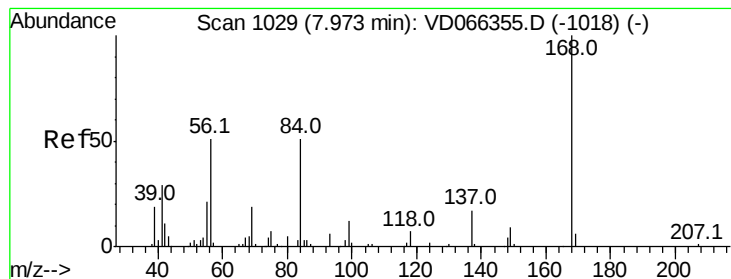
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082820\
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Quant Time: Aug 29 00:45:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
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: VD066456.D

Acq: 28 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

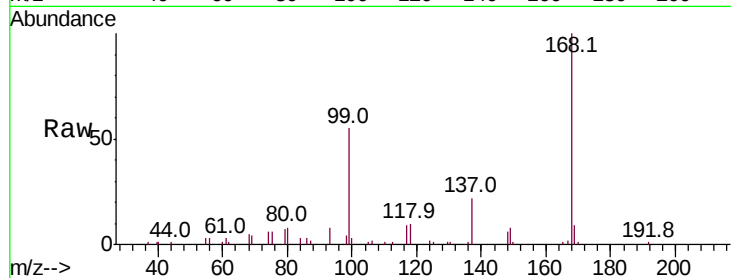
789UMR-TP05-1218-01RE

Tot Ion:168 Resp: 62381

Ion Ratio Lower Upper

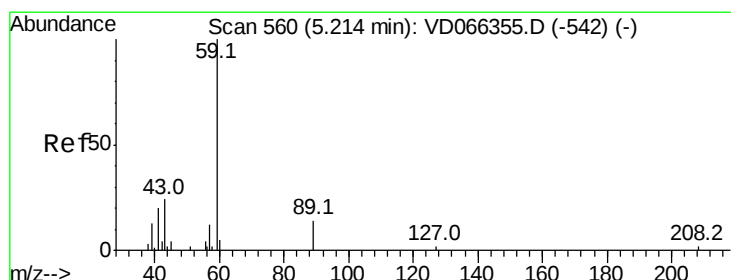
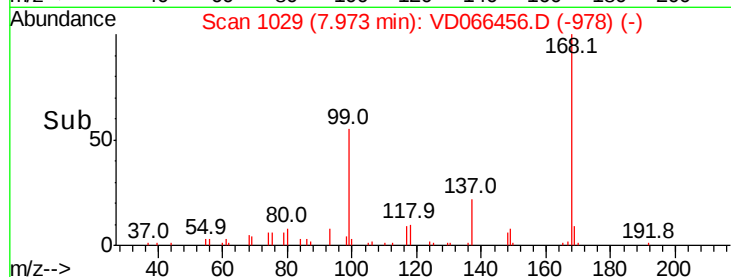
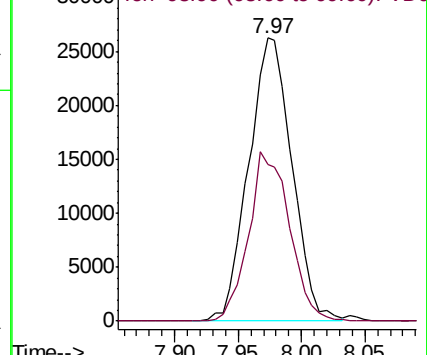
168 100

99 55.5 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: 5.20 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD066456.D

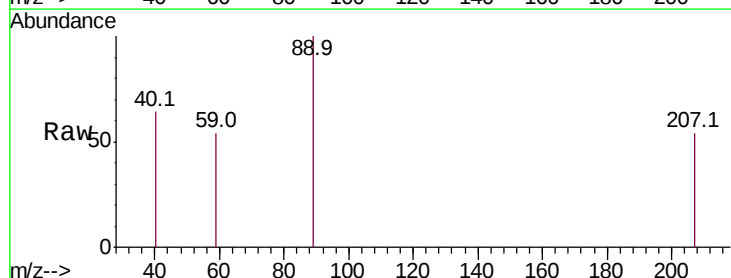
Acq: 28 Aug 2020 13:32

Tgt Ion: 59 Resp: 410

Ion Ratio Lower Upper

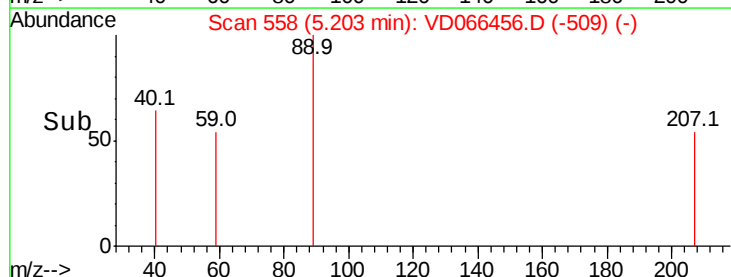
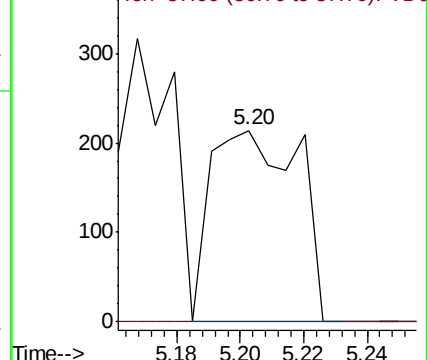
59 100

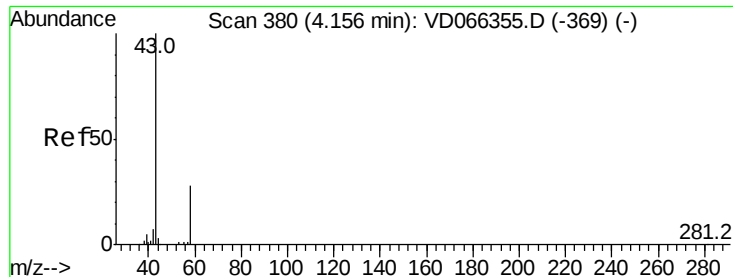
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 7.618 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066456.D

Acq: 28 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

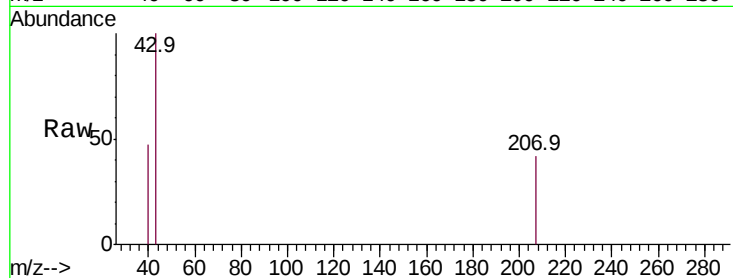
789UMR-TP05-1218-01RE

Tot Ion: 43 Resp: 840

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

400

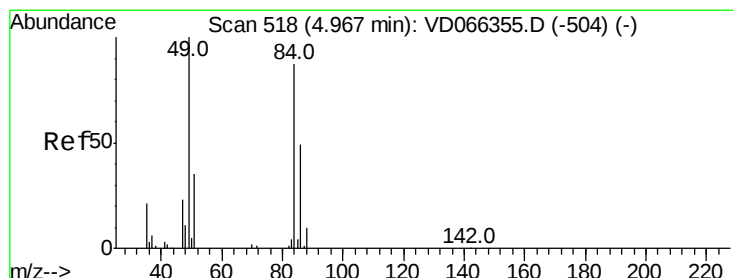
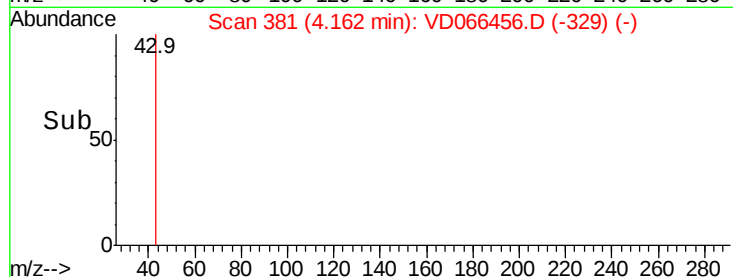
300

200

100

0

Time--> 4.10 4.15 4.20



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066456.D

Acq: 28 Aug 2020 13:32

Tgt Ion: 84 Resp: 2484

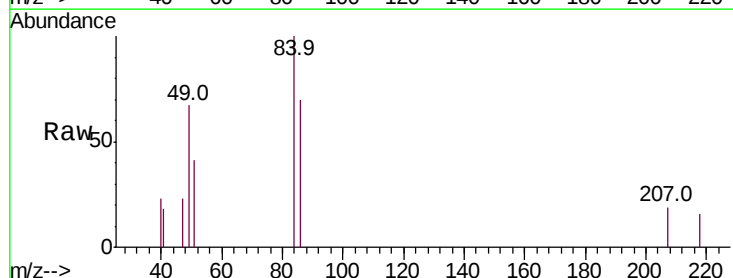
Ion Ratio Lower Upper

84 100

49 66.9 92.5 138.7#

51 41.1 32.5 48.7

86 69.8 45.0 67.6#



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

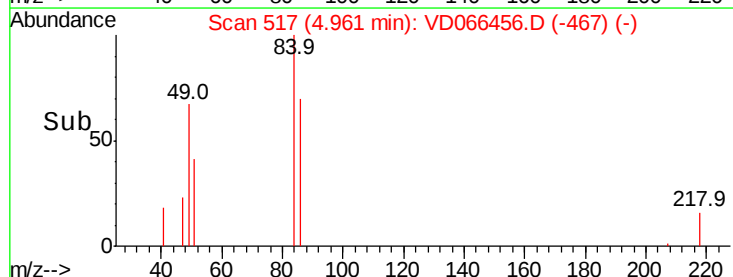
1500

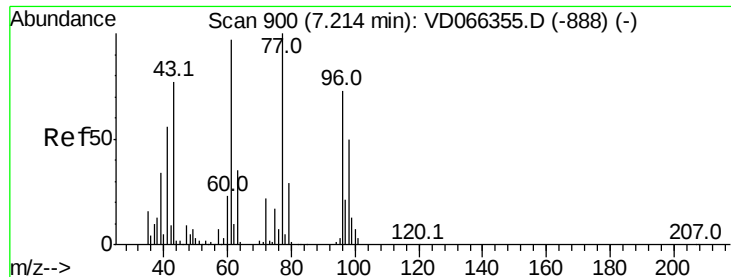
1000

500

0

Time--> 4.90 4.95 5.00





#25

2-Butanone

Concen: 2.237 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066456.D

Acq: 28 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

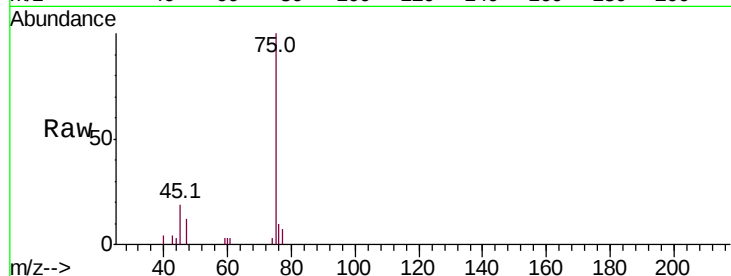
789UMR-TP05-1218-01RE

Tot Ion: 43 Resp: 280

Ion Ratio Lower Upper

43 100

72 0.0 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.19

250

200

150

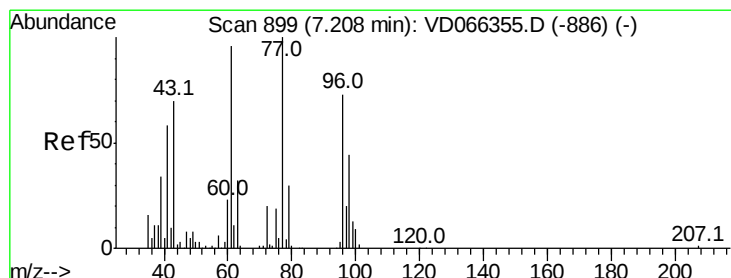
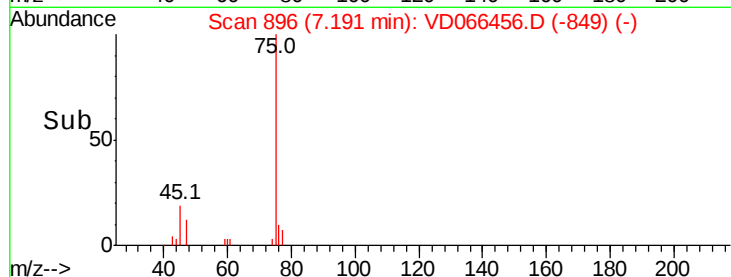
100

50

0

7.16 7.18 7.20 7.22

Time-->



#26

2,2-Dichloropropane

Concen: 1.089 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066456.D

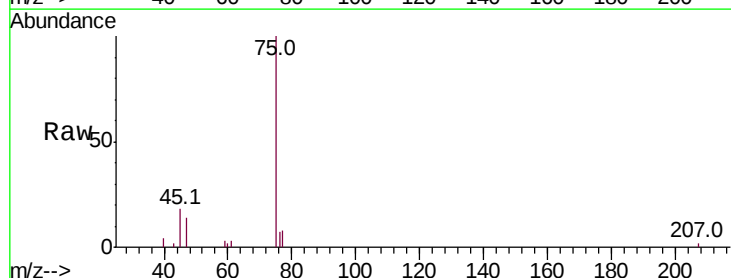
Acq: 28 Aug 2020 13:32

Tgt Ion: 77 Resp: 1084

Ion Ratio Lower Upper

77 100

97 0.0 10.7 31.9#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.20

600

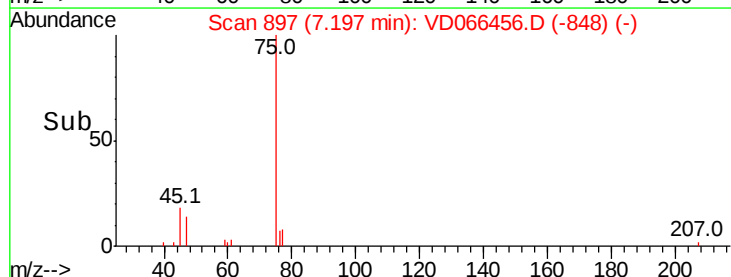
400

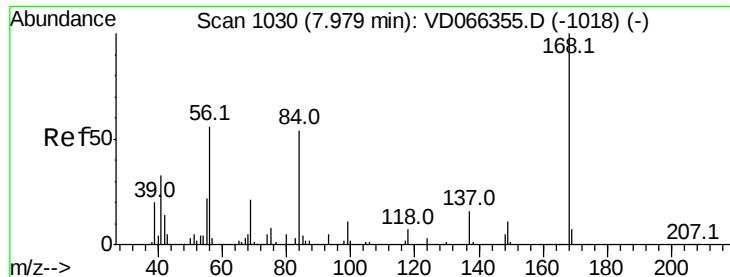
200

0

7.15 7.20 7.25

Time-->

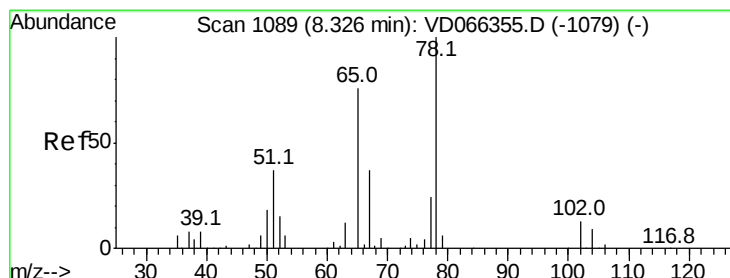
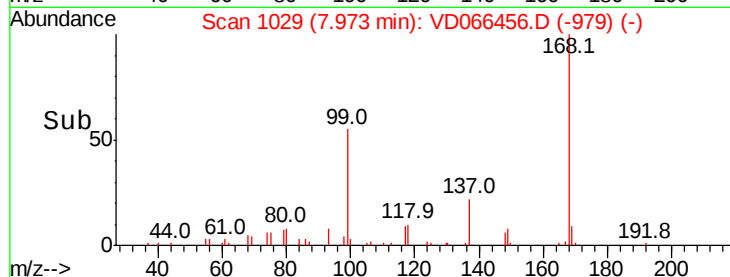
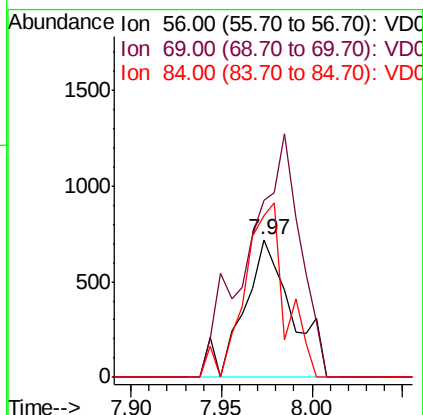
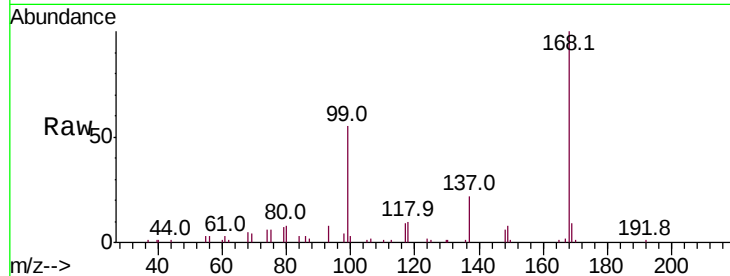




#31
Cyclohexane
Concen: 1.573 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066456.D
Acq: 28 Aug 2020 13:32

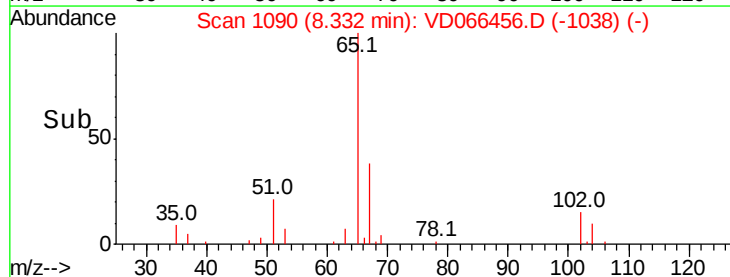
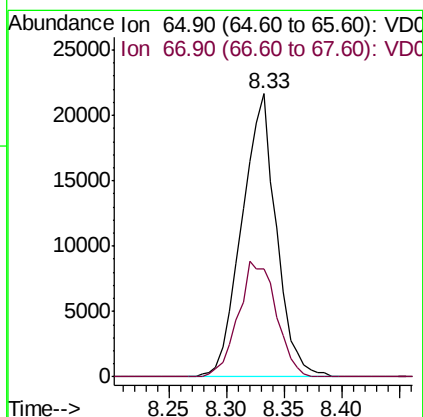
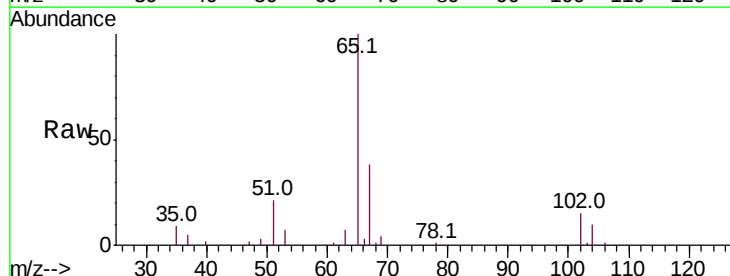
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789UMR-TP05-1218-01RE

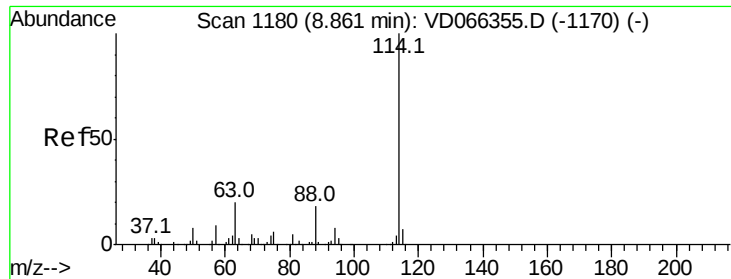
Tot Ion: 56 Resp: 1336
Ion Ratio Lower Upper
56 100
69 127.9 29.6 44.4#
84 117.5 76.6 115.0#



#33
1,2-Dichloroethane-d4
Concen: 73.426 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VD066456.D
Acq: 28 Aug 2020 13:32

Tgt Ion: 65 Resp: 44906
Ion Ratio Lower Upper
65 100
67 44.8 0.0 101.6

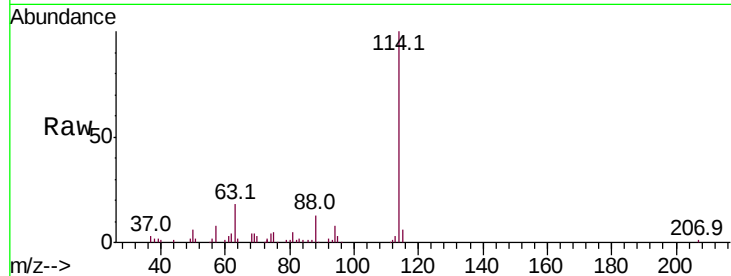




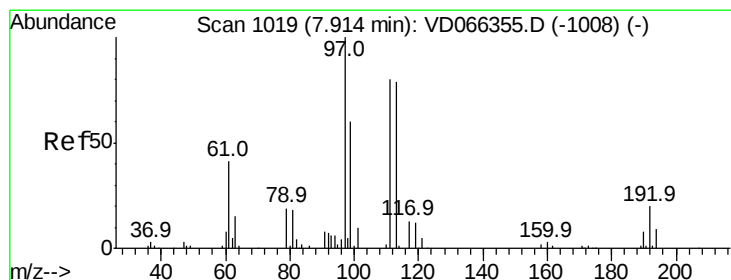
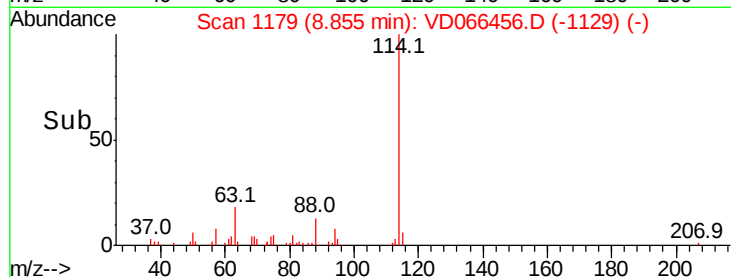
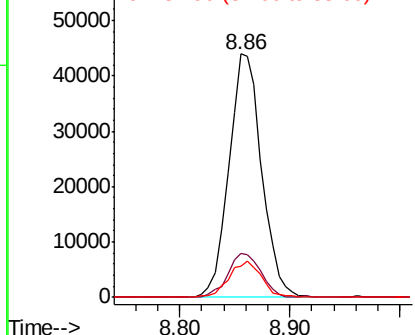
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066456.D
 Acq: 28 Aug 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP05-1218-01RE

Tot Ion:114	Resp:	91131
Ion	Ratio	Lower Upper
114	100	
63	18.1	0.0 40.8
88	13.0	0.0 35.4

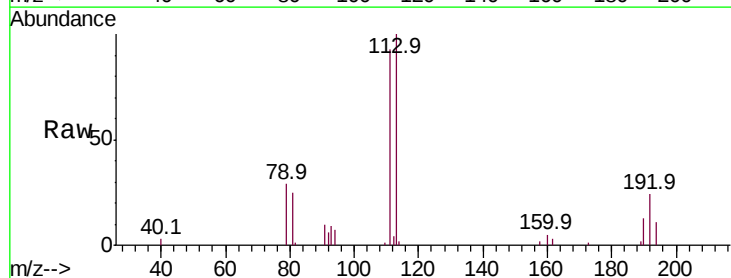


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

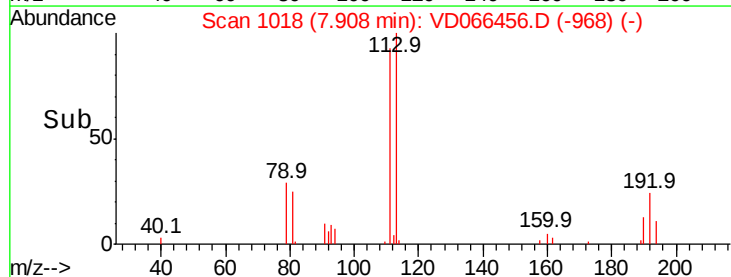
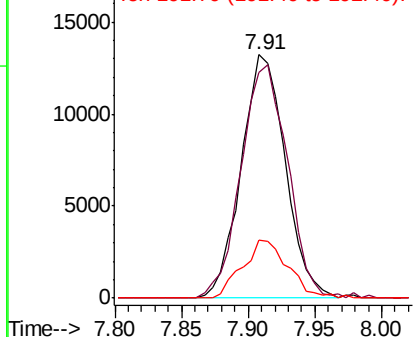


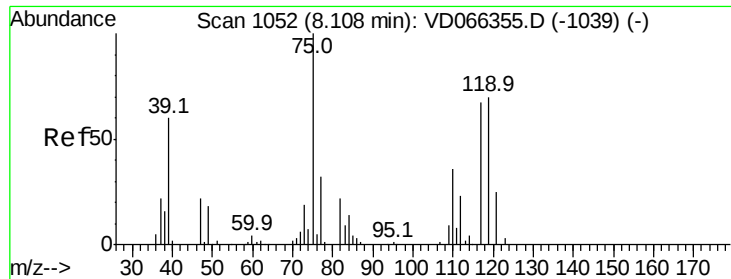
#35
 Dibromofluoromethane
 Concen: 53.237 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066456.D
 Acq: 28 Aug 2020 13:32

Tgt Ion:113	Resp:	30337
Ion	Ratio	Lower Upper
113	100	
111	100.9	80.3 120.5
192	24.7	19.0 28.6



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: 4.770 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.14 min

Lab File: VD066456.D

Acq: 28 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP05-1218-01RE

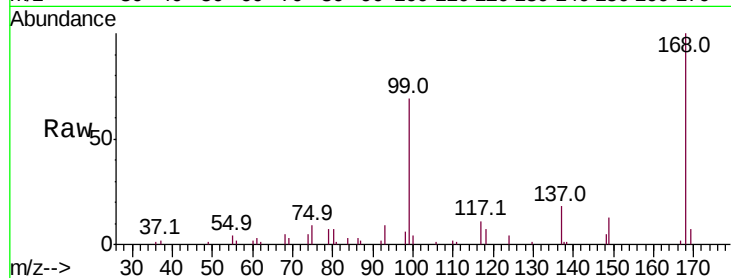
Tot Ion: 75 Resp: 3966

Ion Ratio Lower Upper

75 100

110 7.1 18.7 56.1#

77 0.0 25.2 37.8#

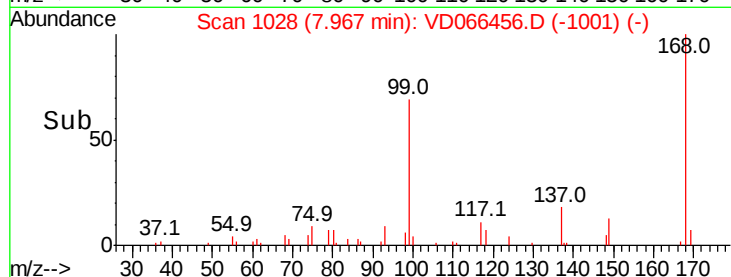


Abundance Ion 74.90 (74.60 to 75.60): V

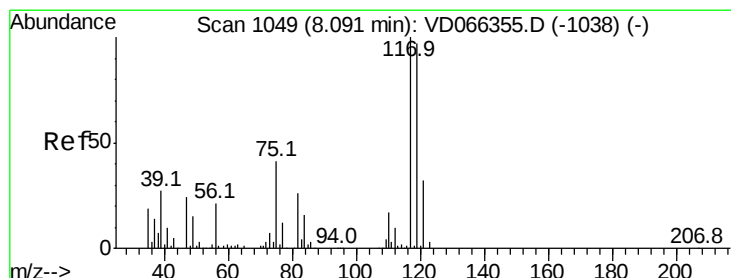
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 5.555 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066456.D

Acq: 28 Aug 2020 13:32

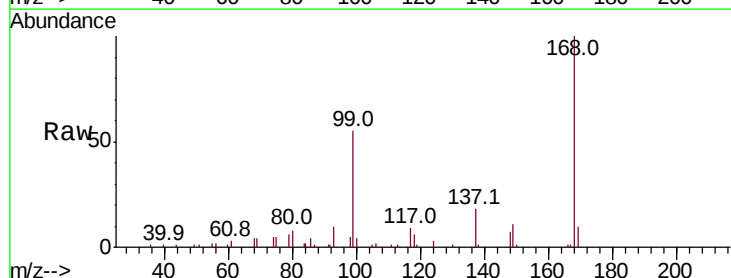
Tgt Ion: 117 Resp: 6018

Ion Ratio Lower Upper

117 100

119 10.1 77.2 115.8#

121 0.0 25.8 38.8#

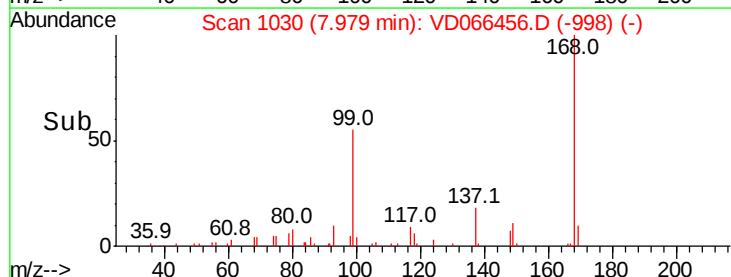


Abundance Ion 116.80 (116.50 to 117.50): V

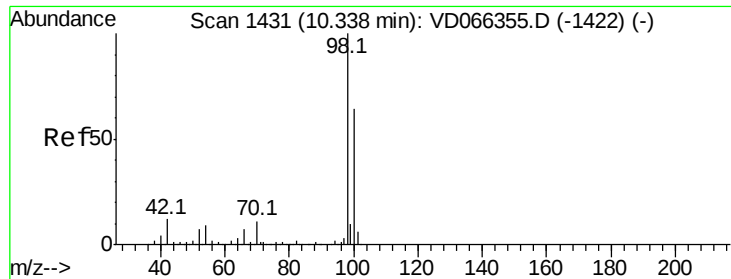
Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

Time-->



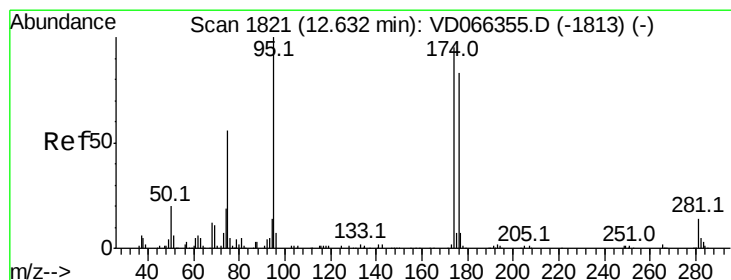
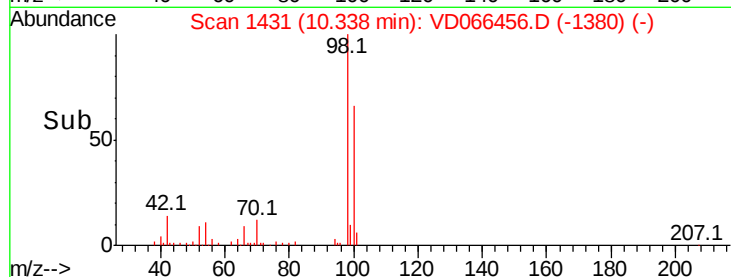
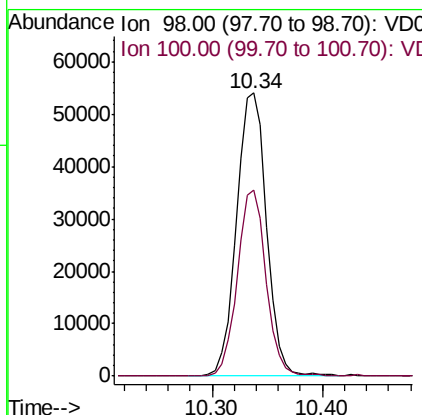
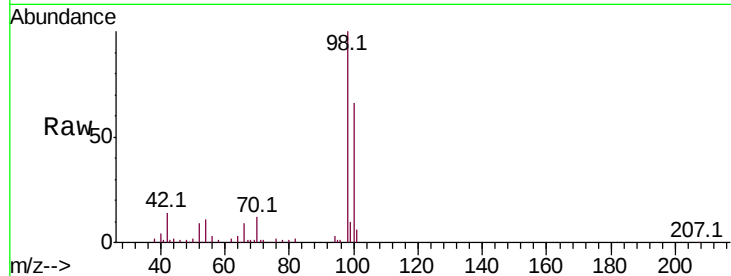
Time-->



#50
Toluene-d8
Concen: 49.364 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066456.D
Acq: 28 Aug 2020 13:32

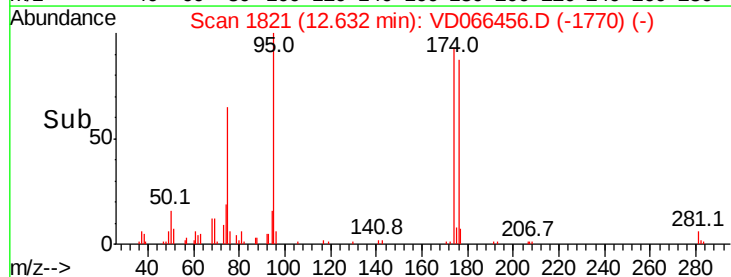
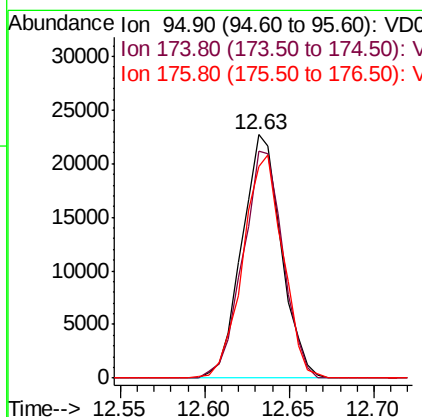
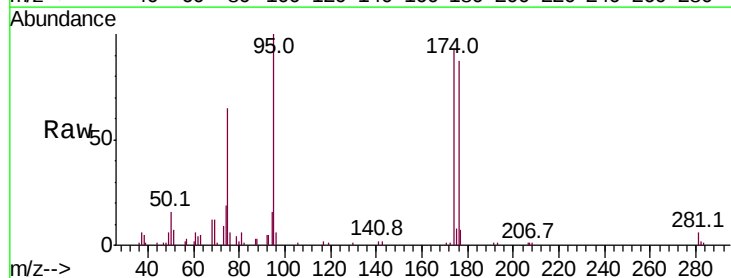
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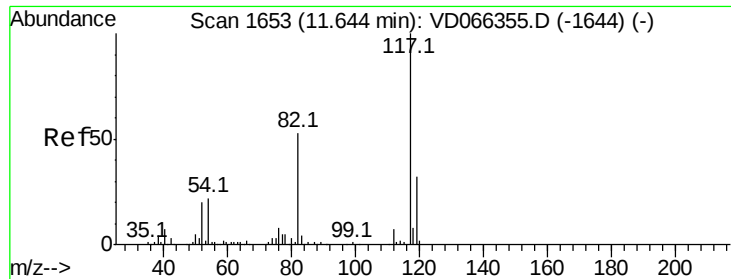
Tot Ion: 98 Resp: 102924
Ion Ratio Lower Upper
98 100
100 63.0 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 49.928 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066456.D
Acq: 28 Aug 2020 13:32

Tgt Ion: 95 Resp: 36939
Ion Ratio Lower Upper
95 100
174 94.4 0.0 183.4
176 92.9 0.0 173.8

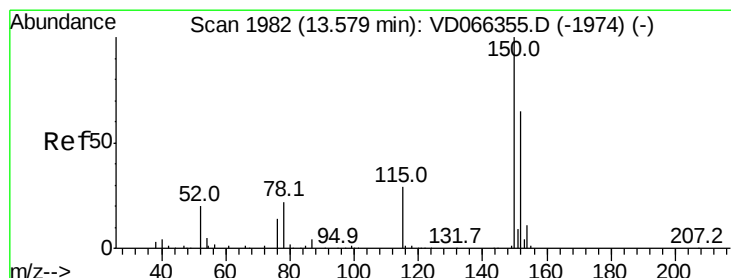
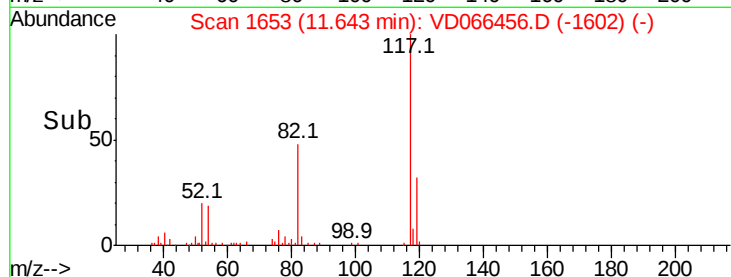
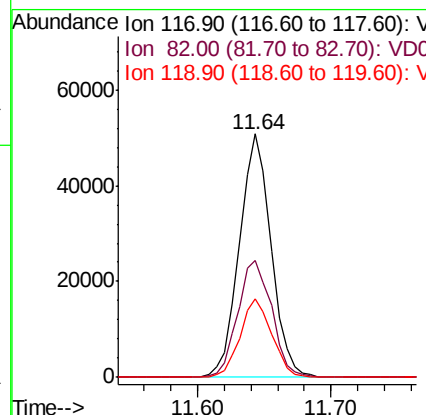
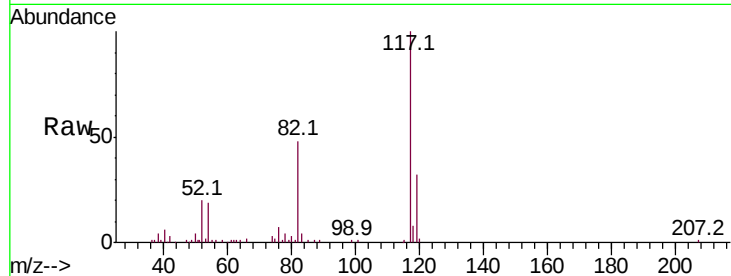




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066456.D
Acq: 28 Aug 2020 13:32

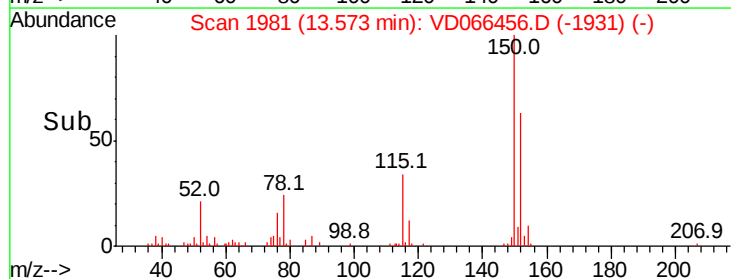
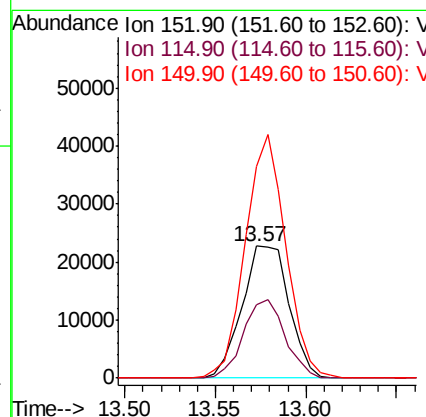
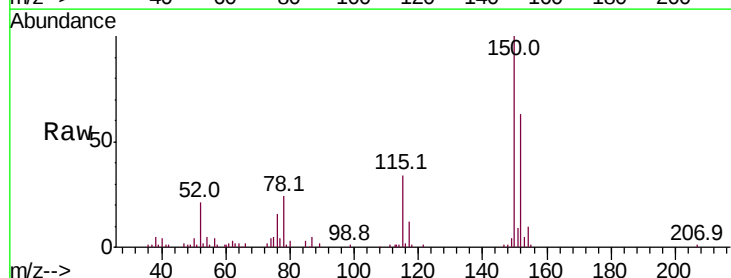
Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP05-1218-01RE

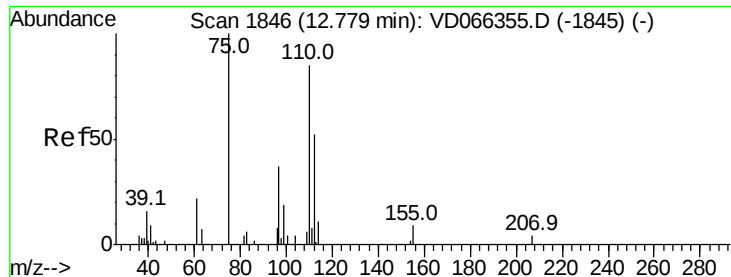
Tot Ion:117 Resp: 83716
Ion Ratio Lower Upper
117 100
82 47.9 42.8 64.2
119 32.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.01 min
Lab File: VD066456.D
Acq: 28 Aug 2020 13:32

Tgt Ion:152 Resp: 40957
Ion Ratio Lower Upper
152 100
115 53.1 28.3 85.0
150 159.0 0.0 343.2





#76

1,2,3-Trichloropropane

Concen: 75.027 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066456.D

Acq: 28 Aug 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

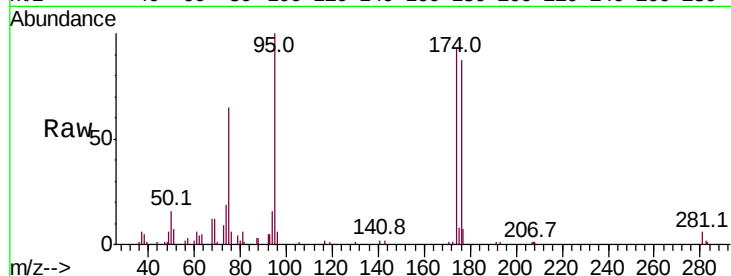
789UMR-TP05-1218-01RE

Tot Ion: 75 Resp: 21618

Ion Ratio Lower Upper

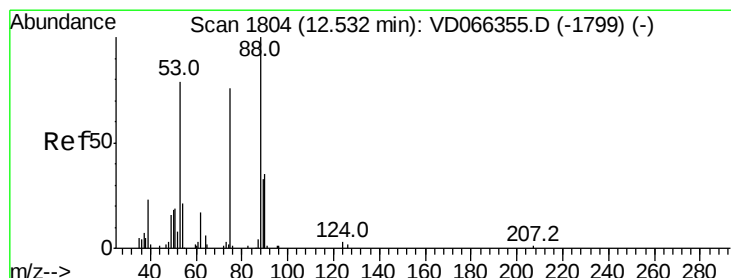
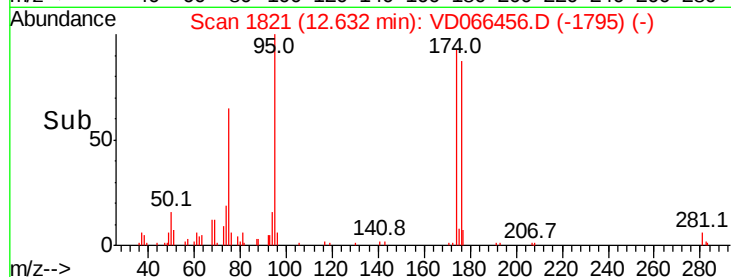
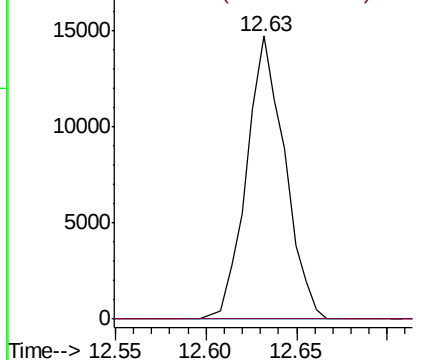
75 100

77 0.0 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 159.259 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066456.D

Acq: 28 Aug 2020 13:32

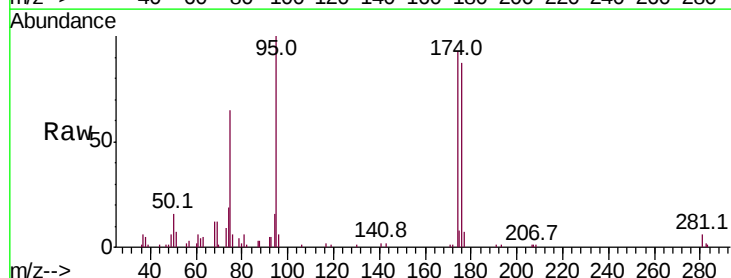
Tgt Ion: 75 Resp: 21618

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.0 39.4 59.0#



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

