

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066457.D
 Acq On : 28 Aug 2020 14:00
 Operator : VA/SY
 Sample : L3823-09
 Misc : 7.20G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP12-0002-01

Quant Time: Aug 29 00:45:28 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	186807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	269342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	239051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	120287	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	102867	56.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.34%	
35) Dibromofluoromethane	7.91	113	81949	48.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.32%	
50) Toluene-d8	10.34	98	301619	48.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.63	95	102427	46.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.68%	

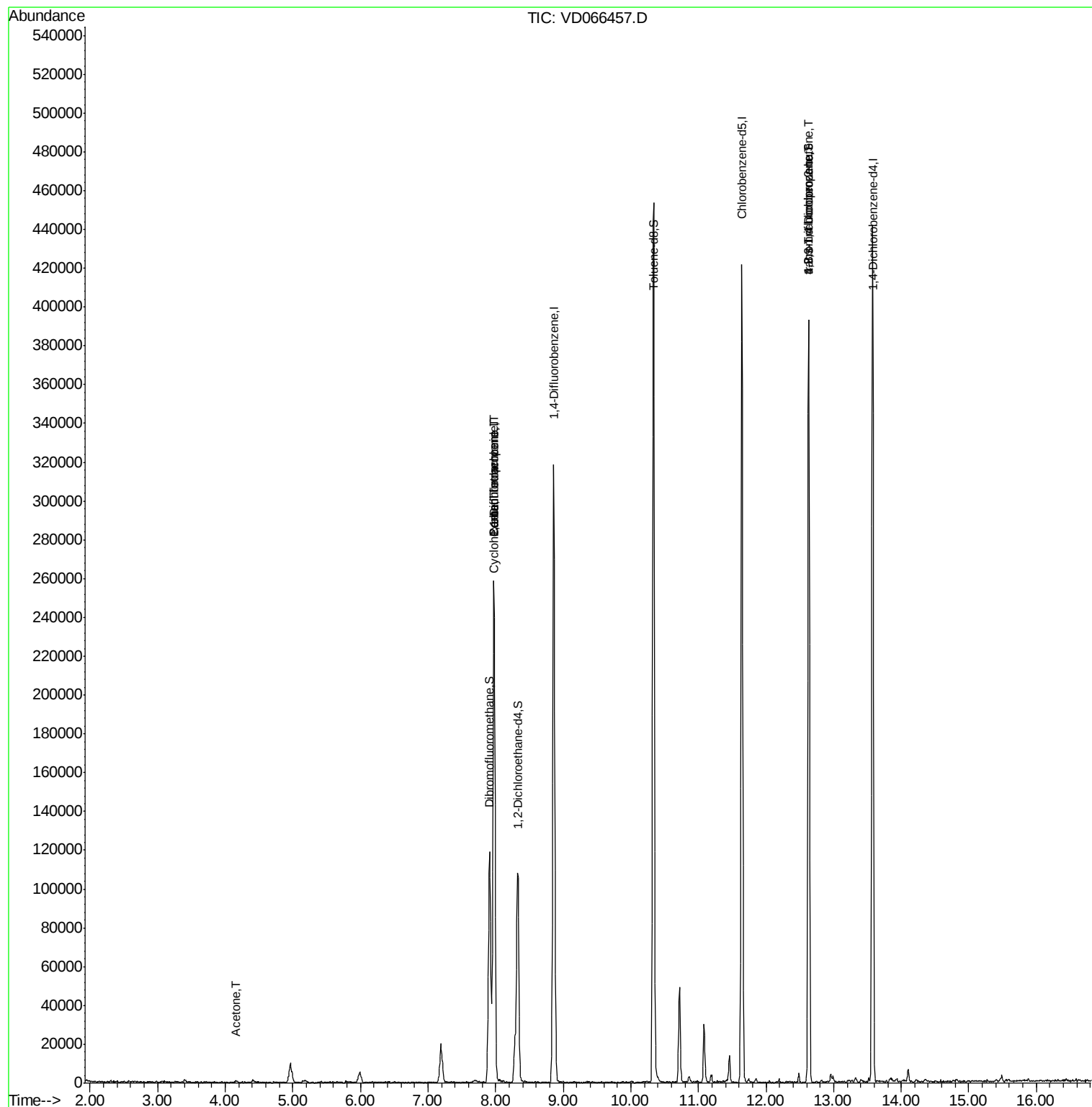
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	781	Below Cal	#	71
16) Acetone	4.15	43	1629	4.934	ug/l	98
20) Methylene Chloride	4.96	84	7054	Below Cal	#	80
31) Cyclohexane	7.98	56	4333	1.704	ug/l #	18
36) 1,1-Dichloropropene	7.97	75	12579	5.118	ug/l #	51
38) Carbon Tetrachloride	7.97	117	20186	6.305	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	61041	72.133	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	61041	153.116	ug/l #	6

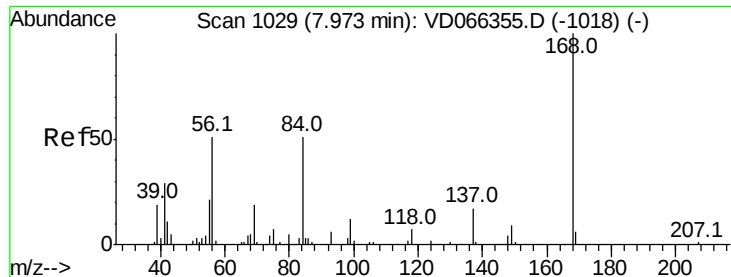
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082820\
Data File : VD066457.D
Acq On : 28 Aug 2020 14:00
Operator : VA/SY
Sample : L3823-09
Misc : 7.20G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP12-0002-01

Quant Time: Aug 29 00:45:28 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: VD066457.D

Acq: 28 Aug 2020 14:00

Instrument :

MSVOA_D

ClientSampleId :

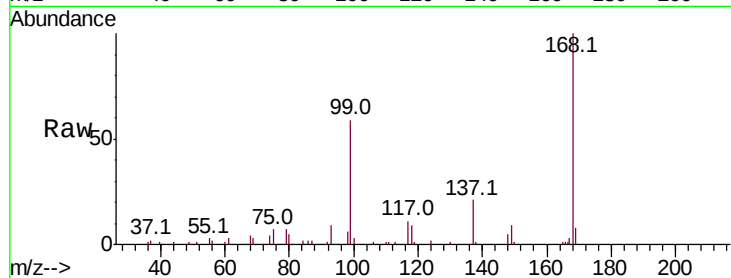
789UMR-TP12-0002-01

Tot Ion:168 Resp: 186807

Ion Ratio Lower Upper

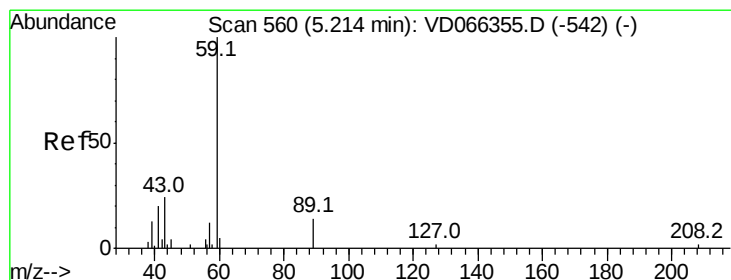
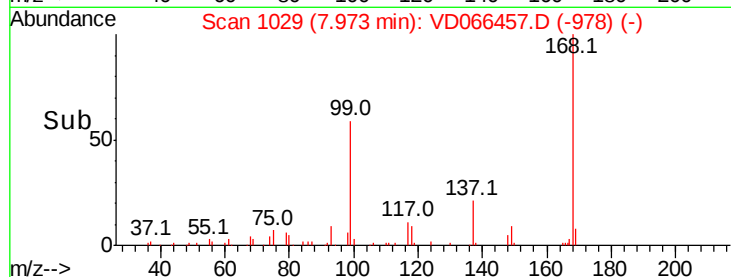
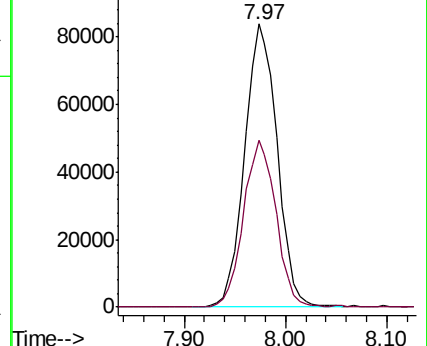
168 100

99 58.8 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: VD066457.D

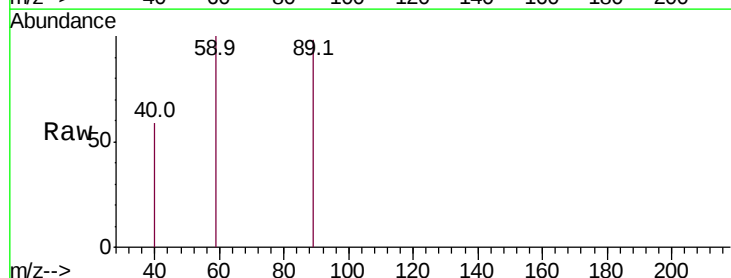
Acq: 28 Aug 2020 14:00

Tgt Ion: 59 Resp: 781

Ion Ratio Lower Upper

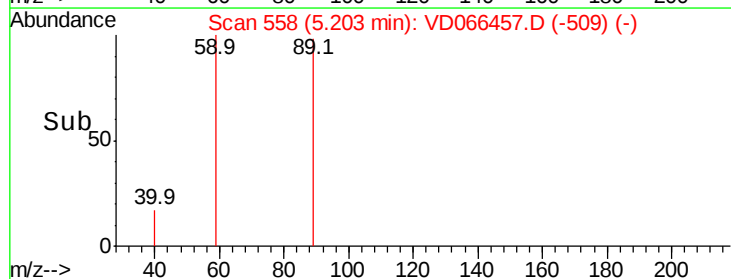
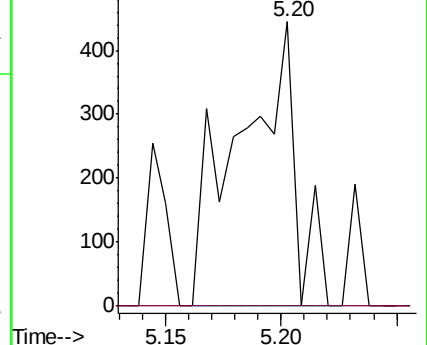
59 100

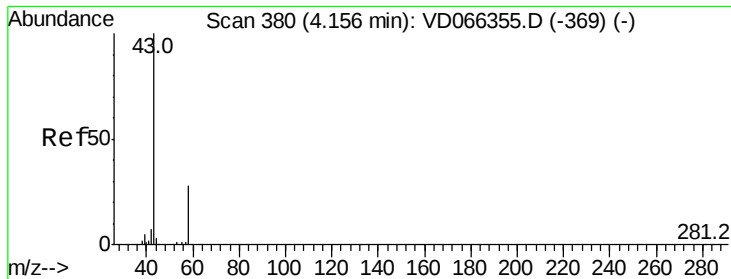
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 4.934 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066457.D

Acq: 28 Aug 2020 14:00

Instrument :

MSVOA_D

ClientSampleId :

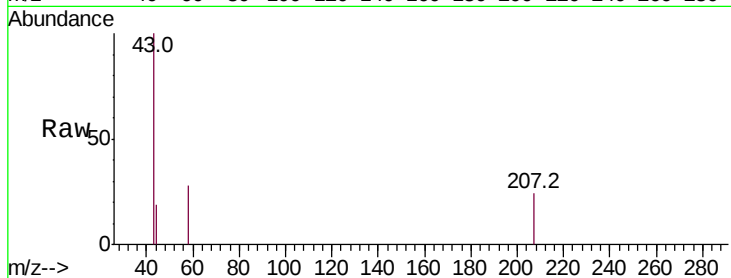
789UMR-TP12-0002-01

Tot Ion: 43 Resp: 1629

Ion Ratio Lower Upper

43 100

58 27.6 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

4.15

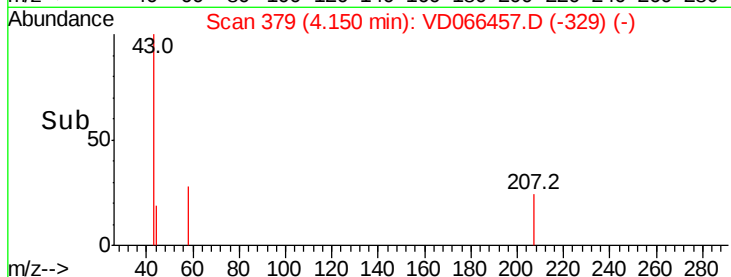
4.15

4.15

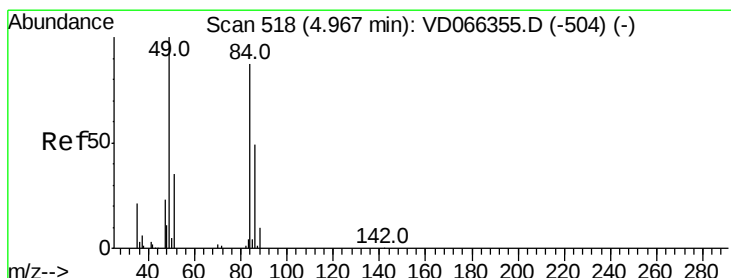
4.15

4.15

4.15



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD066457.D

Acq: 28 Aug 2020 14:00

Tgt Ion: 84 Resp: 7054

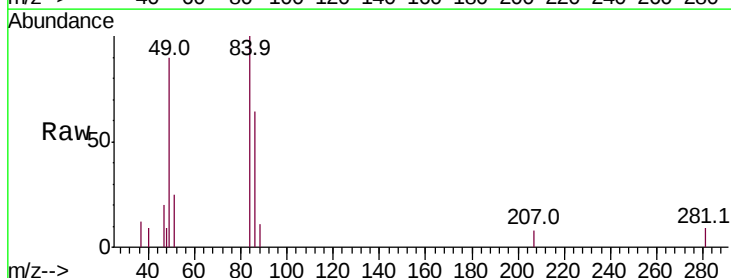
Ion Ratio Lower Upper

84 100

49 89.5 92.5 138.7#

51 25.1 32.5 48.7#

86 63.6 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

4.96

4.96

4.96

4.96

4.96

4.96

4.96

4.96

4.96

4.96

4.96

4.96

4.96

4.96

4.96

4.96

4.96

4.96

4.96

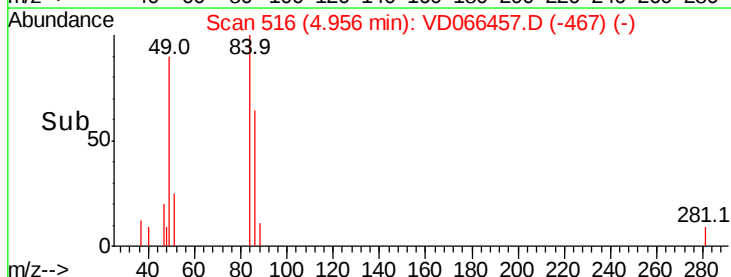
4.96

4.96

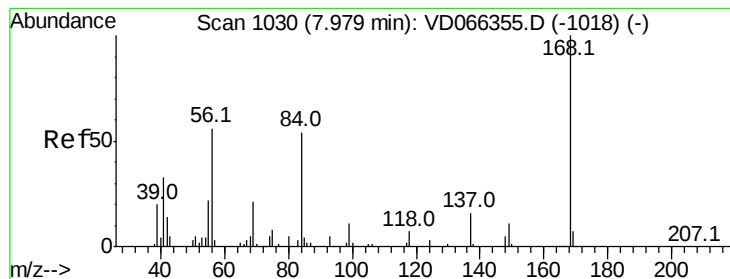
4.96

4.96

4.96



Time-->



#31

Cyclohexane

Concen: 1.704 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066457.D

Acq: 28 Aug 2020 14:00

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP12-0002-01

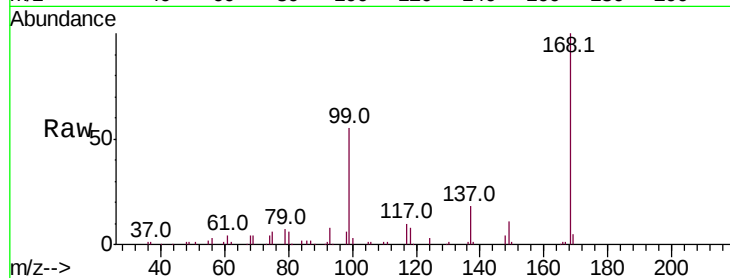
Tot Ion: 56 Resp: 4333

Ion Ratio Lower Upper

56 100

69 161.4 29.6 44.4#

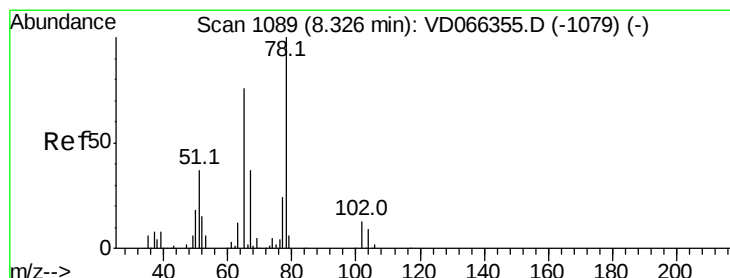
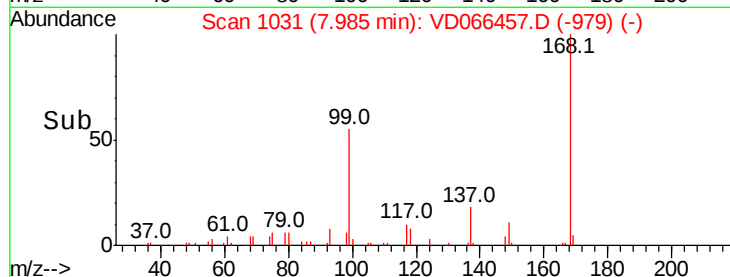
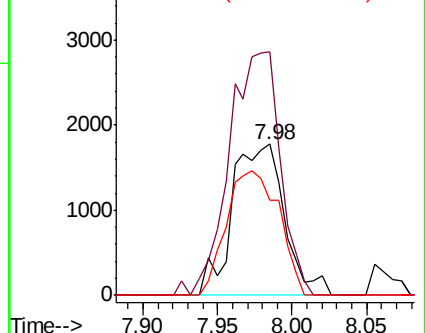
84 63.0 76.6 115.0#



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: 56.167 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VD066457.D

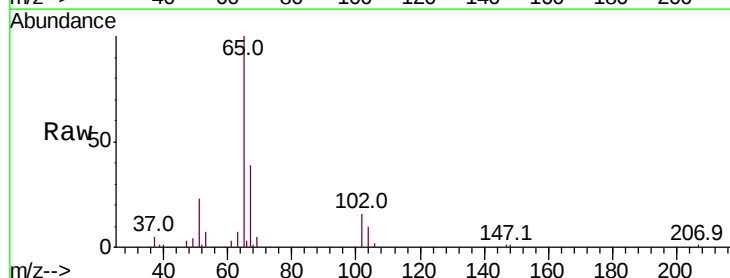
Acq: 28 Aug 2020 14:00

Tgt Ion: 65 Resp: 102867

Ion Ratio Lower Upper

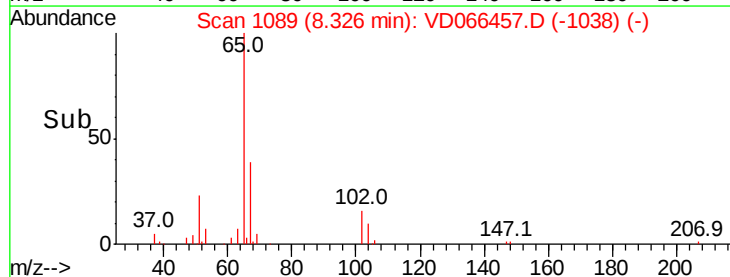
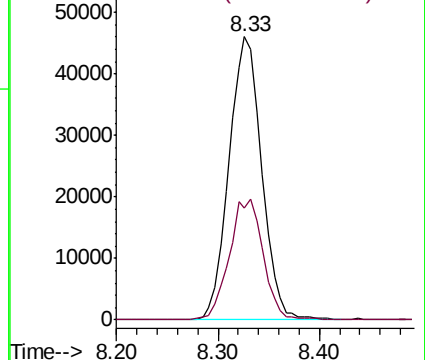
65 100

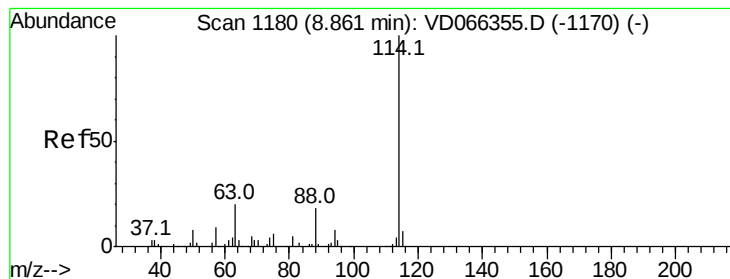
67 44.2 0.0 101.6



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# 1179

Delta R.T. -0.01 min

Lab File: VD066457.D

Acq: 28 Aug 2020 14:00

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP12-0002-01

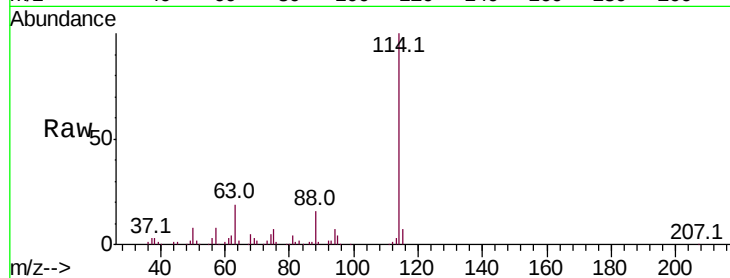
Tot Ion:114 Resp: 269342

Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.8

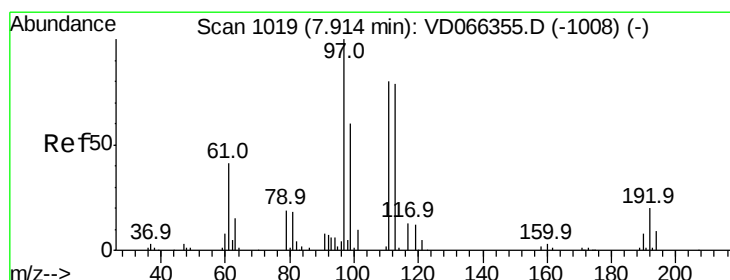
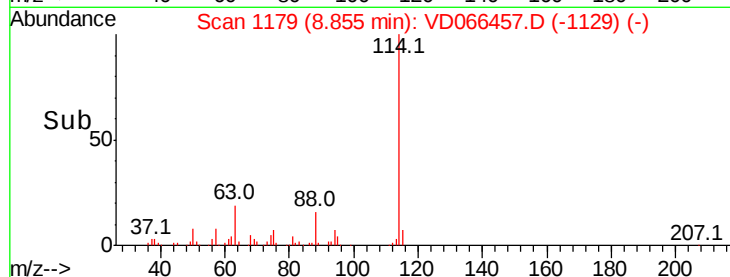
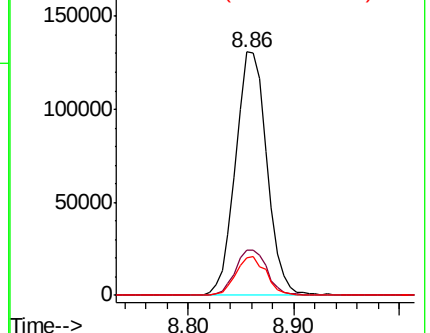
88 15.7 0.0 35.4



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: 48.657 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066457.D

Acq: 28 Aug 2020 14:00

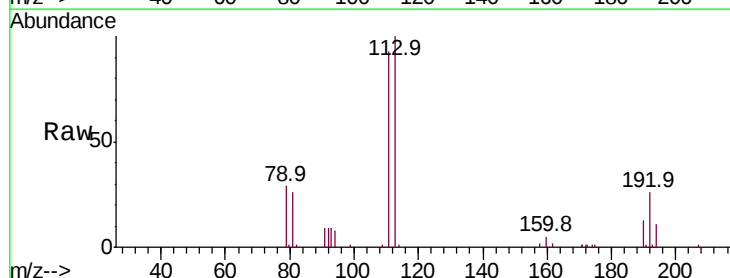
Tgt Ion:113 Resp: 81949

Ion Ratio Lower Upper

113 100

111 100.8 80.3 120.5

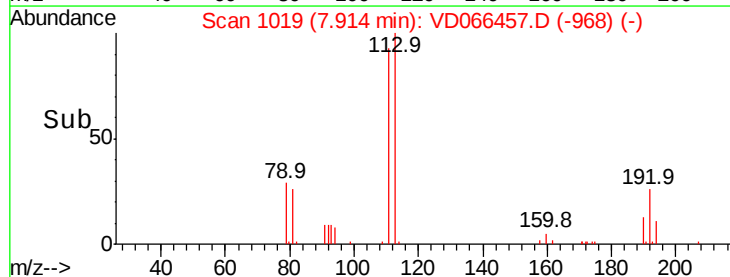
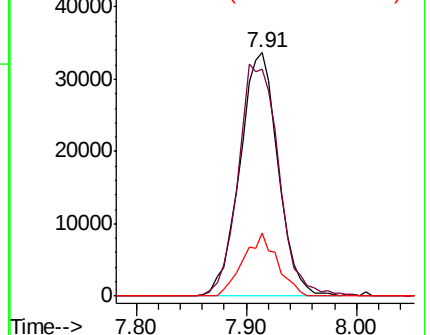
192 23.1 19.0 28.6

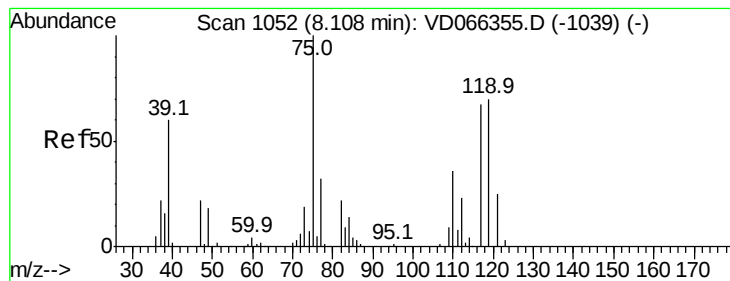


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.118 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066457.D

Acq: 28 Aug 2020 14:00

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP12-0002-01

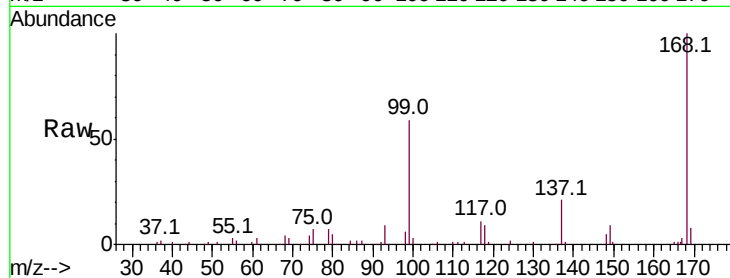
Tot Ion: 75 Resp: 12579

Ion Ratio Lower Upper

75 100

110 11.6 18.7 56.1#

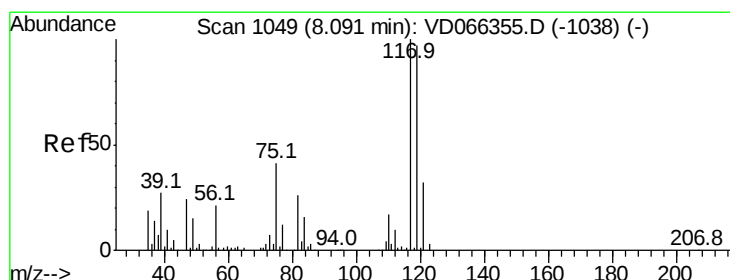
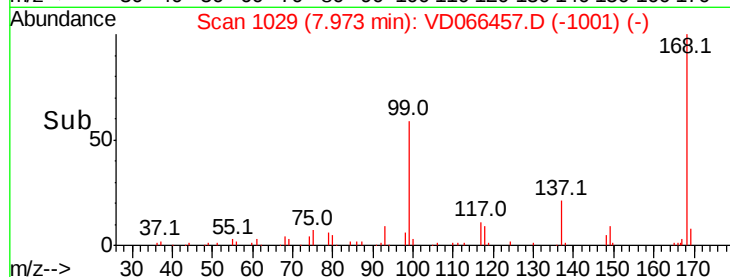
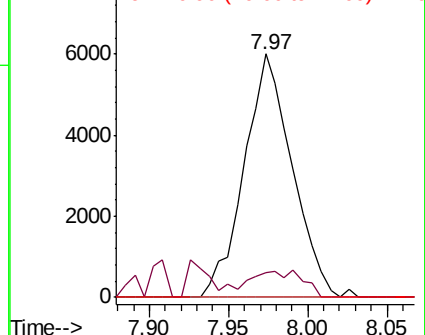
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#38

Carbon Tetrachloride

Concen: 6.305 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066457.D

Acq: 28 Aug 2020 14:00

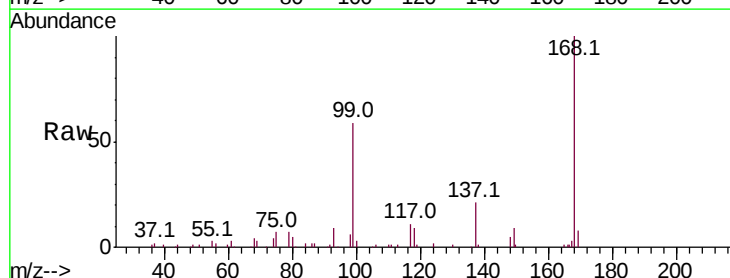
Tgt Ion: 117 Resp: 20186

Ion Ratio Lower Upper

117 100

119 7.1 77.2 115.8#

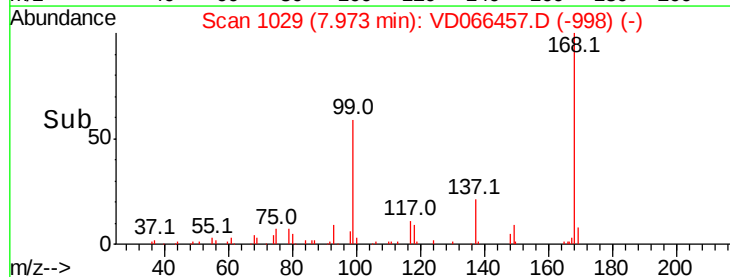
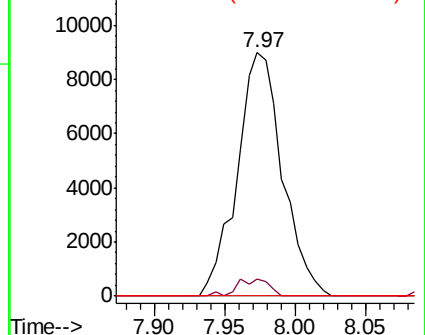
121 0.0 25.8 38.8#

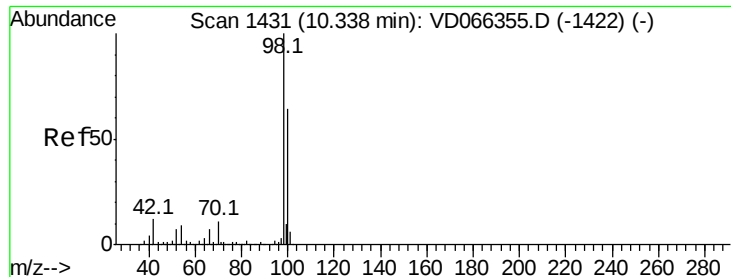


Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 118.80 (118.50 to 119.50): VDC

Ion 120.80 (120.50 to 121.50): VDC

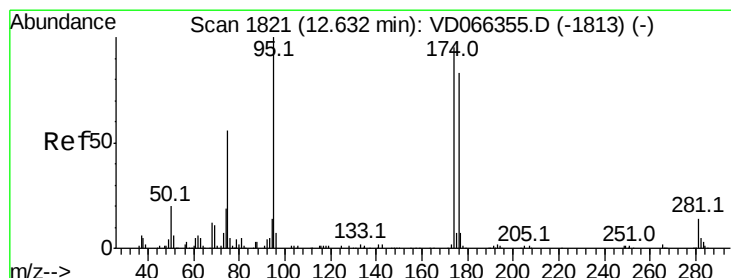
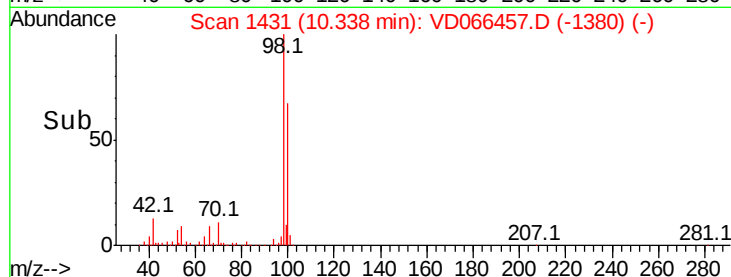
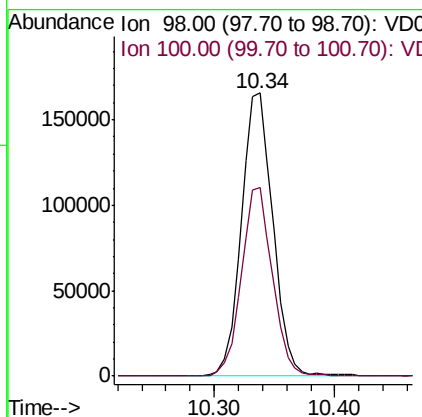
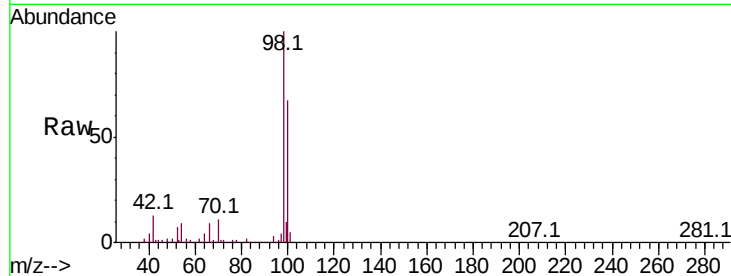




#50
Toluene-d8
Concen: 48.946 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066457.D
Acq: 28 Aug 2020 14:00

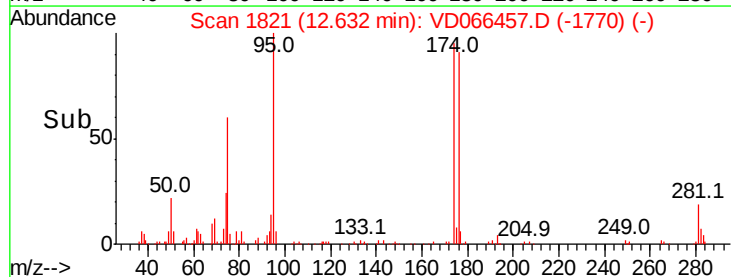
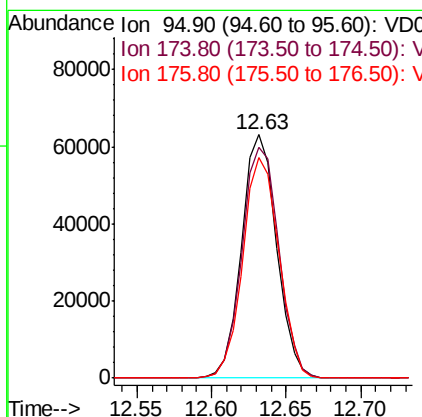
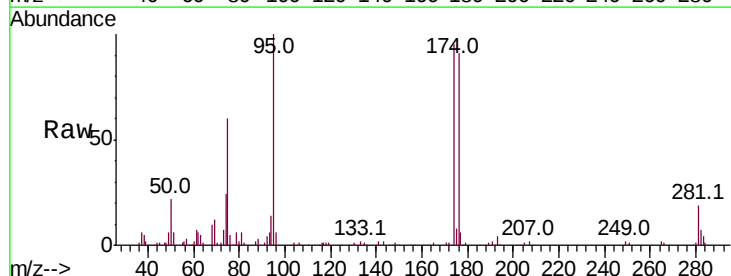
Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP12-0002-01

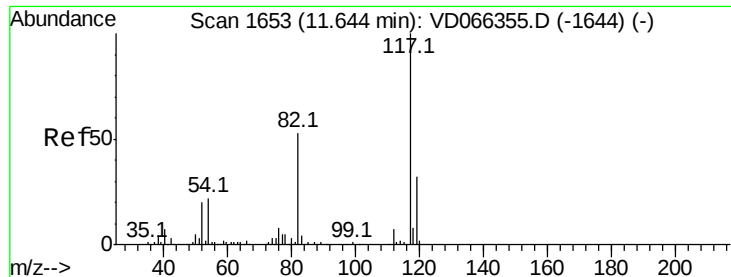
Tot Ion: 98 Resp: 301619
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 46.842 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066457.D
Acq: 28 Aug 2020 14:00

Tgt Ion: 95 Resp: 102427
Ion Ratio Lower Upper
95 100
174 99.7 0.0 183.4
176 93.7 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: VD066457.D

Acq: 28 Aug 2020 14:00

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP12-0002-01

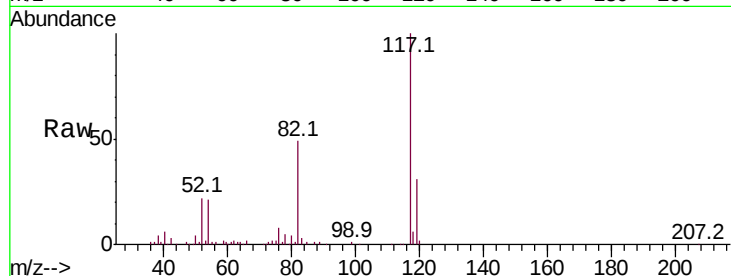
Tot Ion:117 Resp: 239051

Ion Ratio Lower Upper

117 100

82 49.4 42.8 64.2

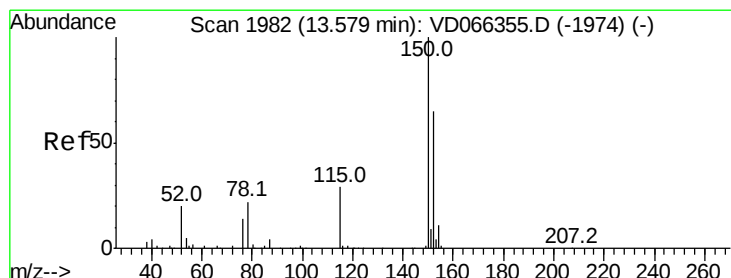
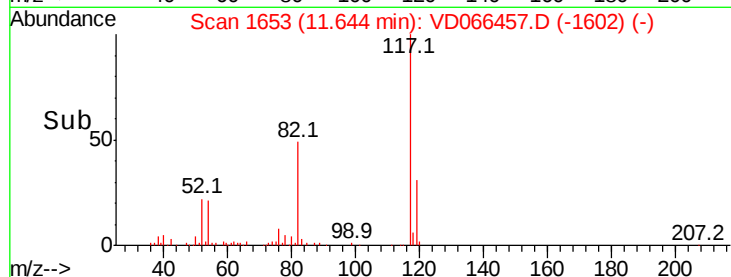
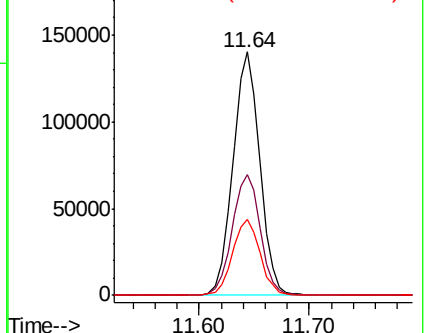
119 31.4 25.8 38.8



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: VD066457.D

Acq: 28 Aug 2020 14:00

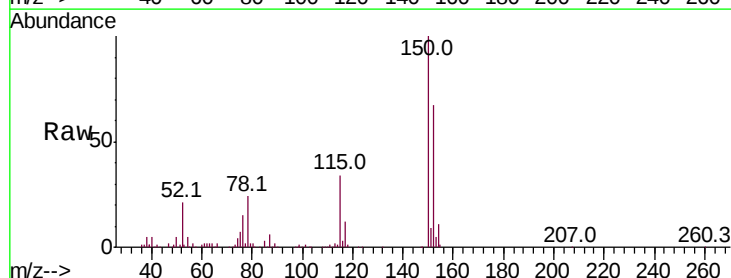
Tgt Ion:152 Resp: 120287

Ion Ratio Lower Upper

152 100

115 55.4 28.3 85.0

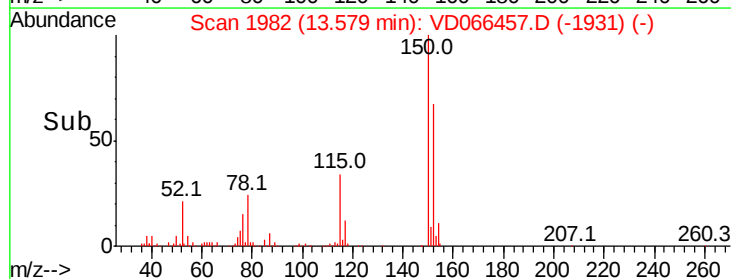
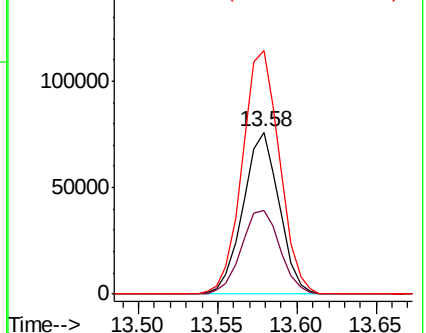
150 155.4 0.0 343.2

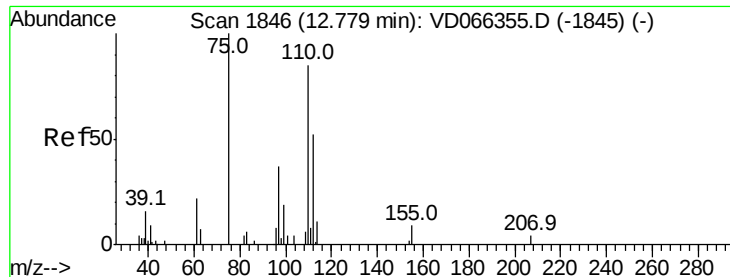


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

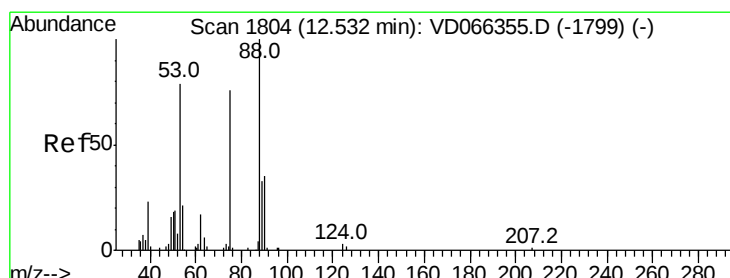
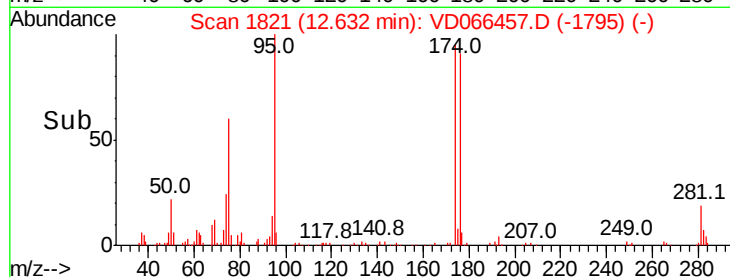
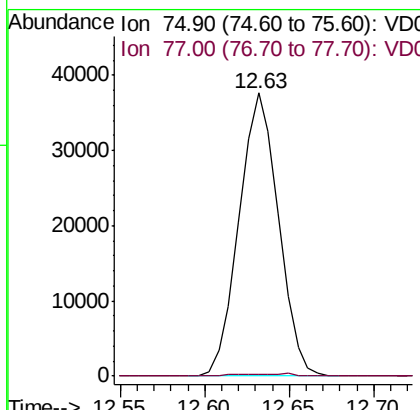
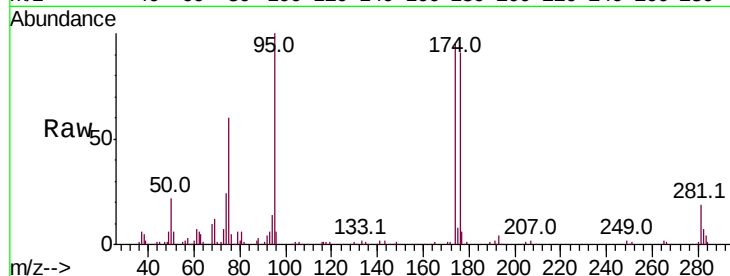




#76
 1,2,3-Trichloropropane
 Concen: 72.133 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066457.D
 Acq: 28 Aug 2020 14:00

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP12-0002-01

Tot Ion: 75 Resp: 61041
 Ion Ratio Lower Upper
 75 100
 77 1.2 182.9 548.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 153.116 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066457.D
 Acq: 28 Aug 2020 14:00

Tgt Ion: 75 Resp: 61041
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.4 131.2#
 89 0.0 39.4 59.0#

