

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066462.D
 Acq On : 28 Aug 2020 16:18
 Operator : VA/SY
 Sample : L3823-10
 Misc : 7.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP13-0612-01

Quant Time: Aug 29 00:46:17 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	155061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	217100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	202942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	101057	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	92365	60.76	ug/l	0.00
Spiked Amount						
				Recovery	=	121.52%
35) Dibromofluoromethane	7.91	113	69728	51.36	ug/l	0.00
Spiked Amount						
				Recovery	=	102.72%
50) Toluene-d8	10.34	98	257868	51.92	ug/l	0.00
Spiked Amount						
				Recovery	=	103.84%
62) 4-Bromofluorobenzene	12.63	95	87050	49.39	ug/l	0.00
Spiked Amount						
				Recovery	=	98.78%

Target Compounds

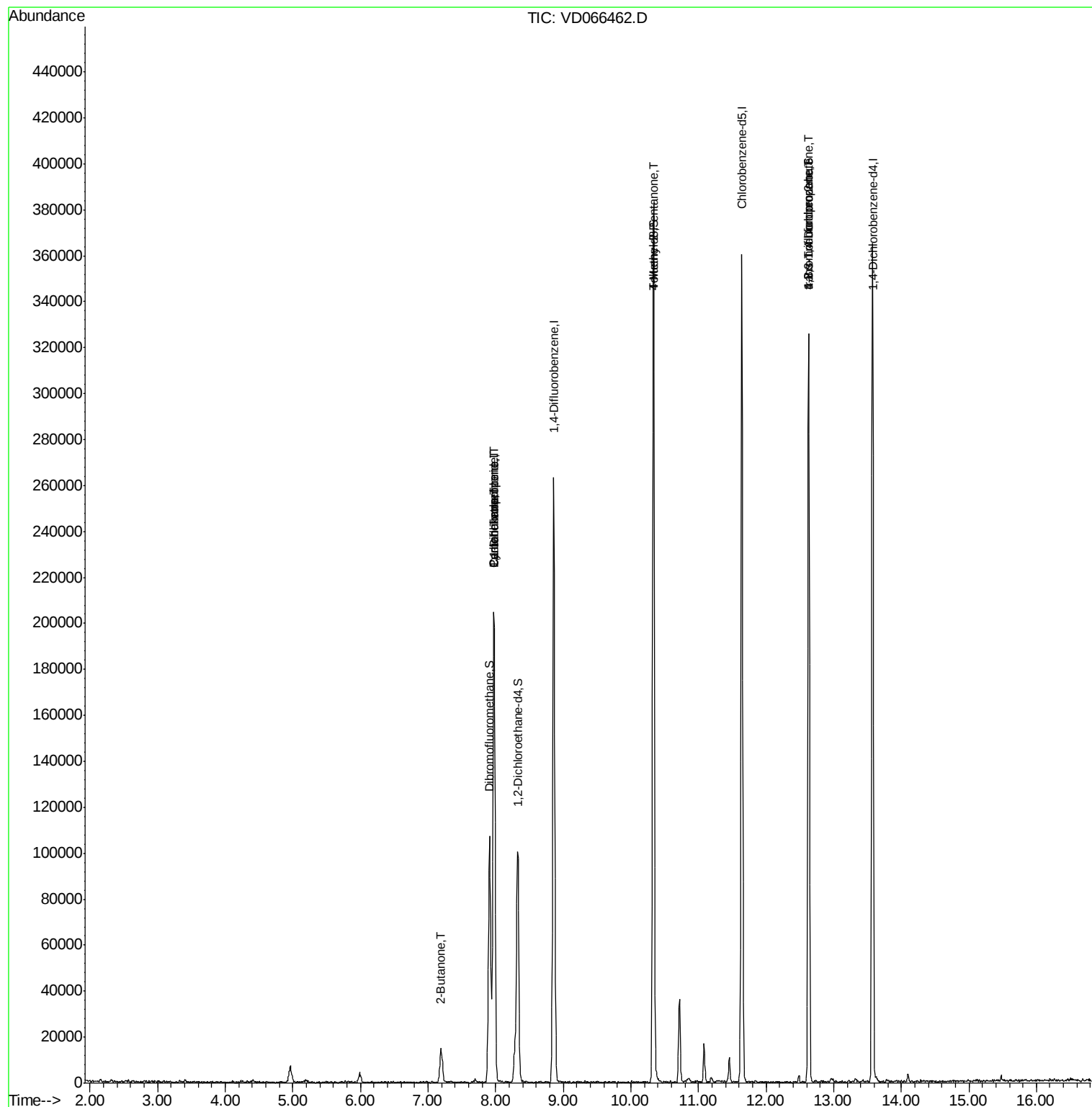
					Qvalue	
11) Tert butyl alcohol	5.22	59	211	Below Cal	#	71
20) Methylene Chloride	4.97	84	5147	Below Cal	#	81
25) 2-Butanone	7.18	43	671	2.157	ug/l #	47
31) Cyclohexane	7.98	56	3556	1.685	ug/l #	28
36) 1,1-Dichloropropene	7.97	75	11287	5.698	ug/l #	51
38) Carbon Tetrachloride	7.97	117	17193	6.662	ug/l #	15
51) 4-Methyl-2-Pentanone	10.33	43	990	1.513	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	52008	73.154	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	52008	155.282	ug/l #	6

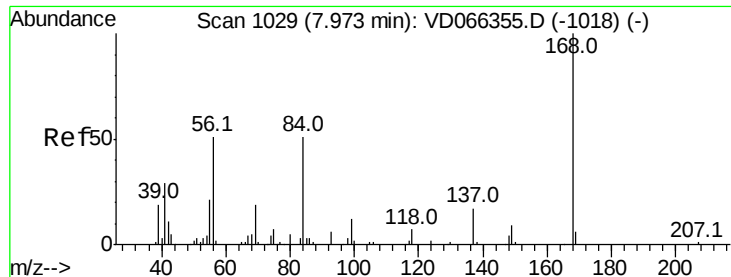
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066462.D

Acq: 28 Aug 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

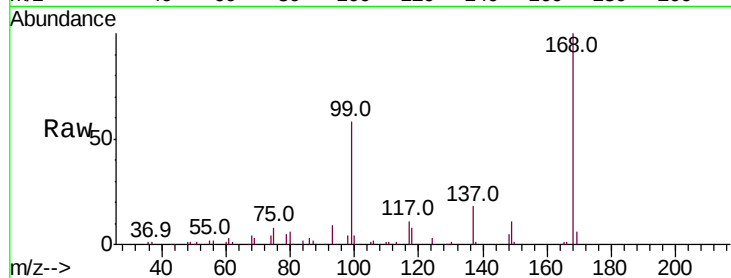
789UMR-TP13-0612-01

Tot Ion:168 Resp: 155061

Ion Ratio Lower Upper

168 100

99 58.4 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

60000

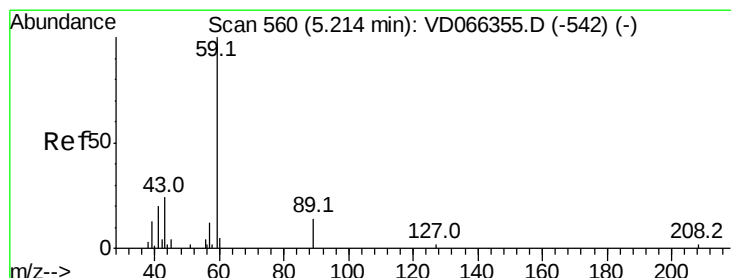
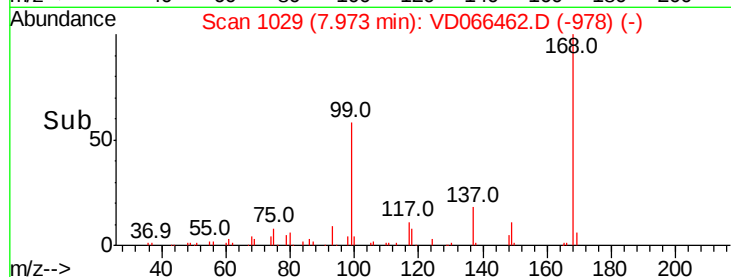
40000

20000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD066462.D

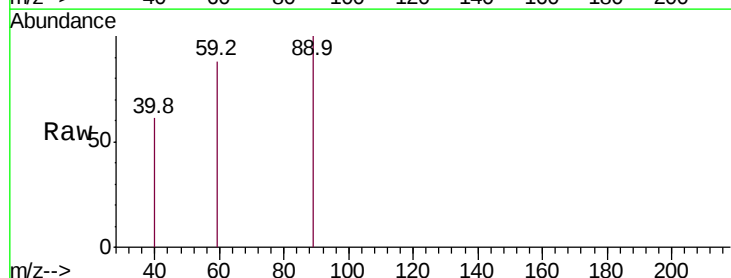
Acq: 28 Aug 2020 16:18

Tgt Ion: 59 Resp: 211

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

400

300

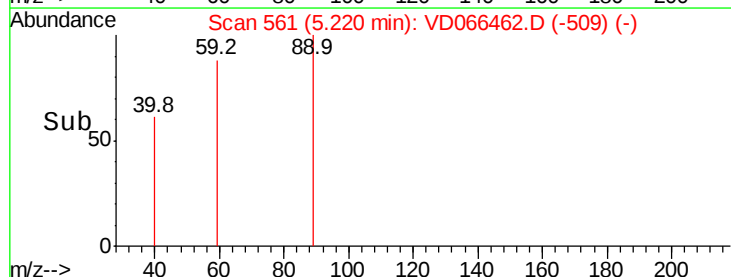
200

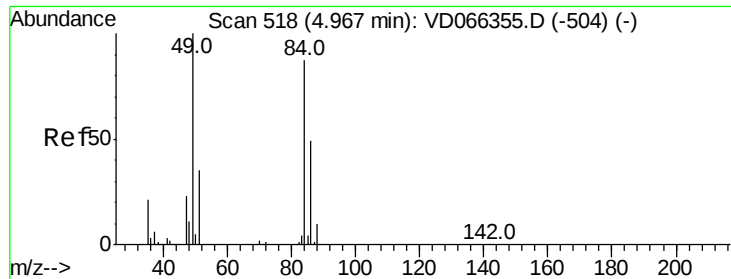
100

0

5.20 5.22 5.24

Time-->

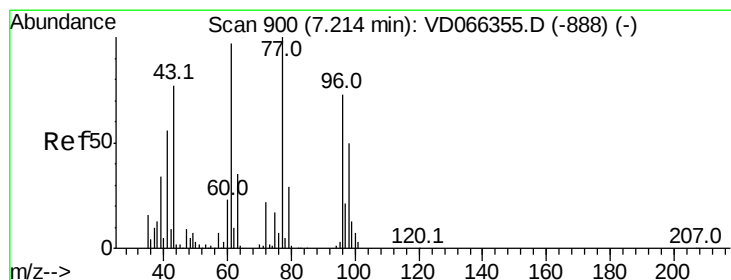
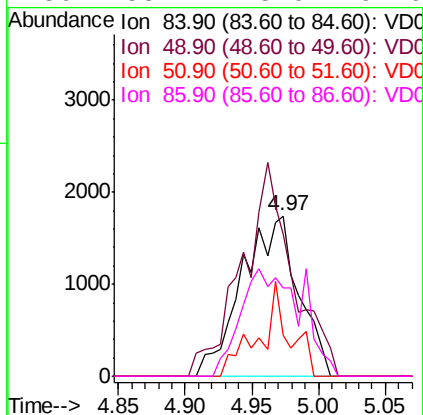
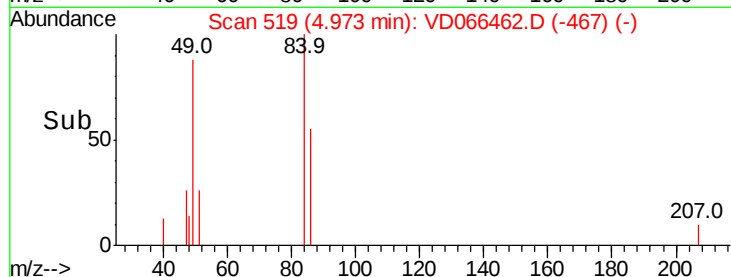
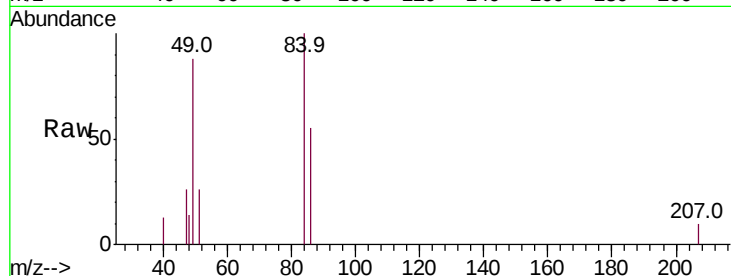




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066462.D
Acq: 28 Aug 2020 16:18

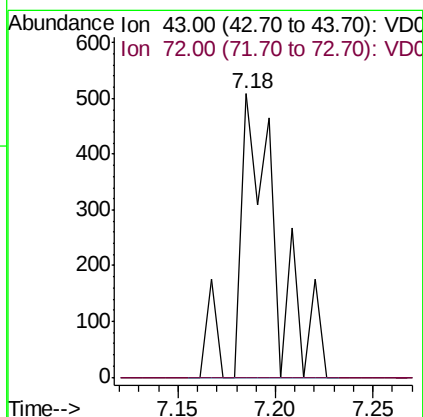
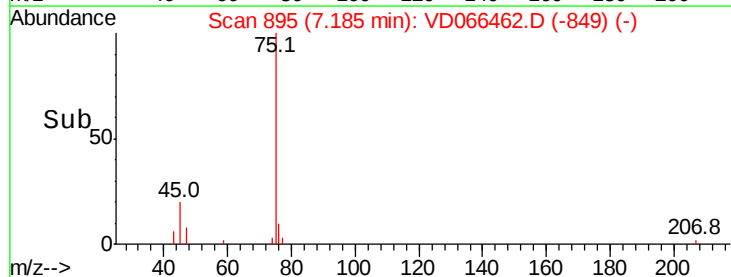
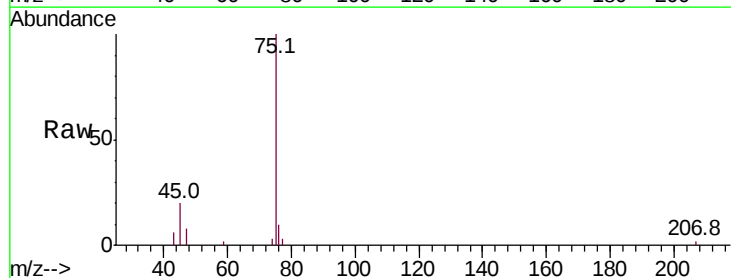
Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP13-0612-01

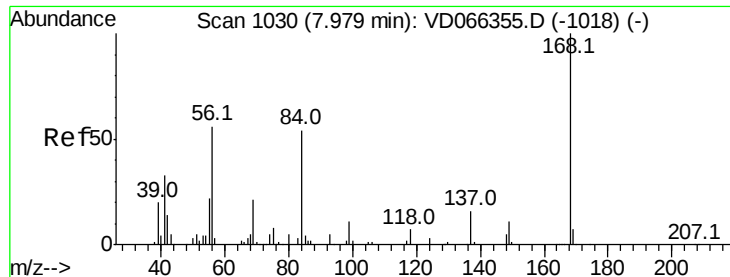
Tot Ion: 84 Resp: 5147
Ion Ratio Lower Upper
84 100
49 88.1 92.5 138.7#
51 25.9 32.5 48.7#
86 55.2 45.0 67.6



#25
2-Butanone
Concen: 2.157 ug/l
RT: 7.18 min Scan# 895
Delta R.T. -0.03 min
Lab File: VD066462.D
Acq: 28 Aug 2020 16:18

Tgt Ion: 43 Resp: 671
Ion Ratio Lower Upper
43 100
72 0.0 22.5 33.7#

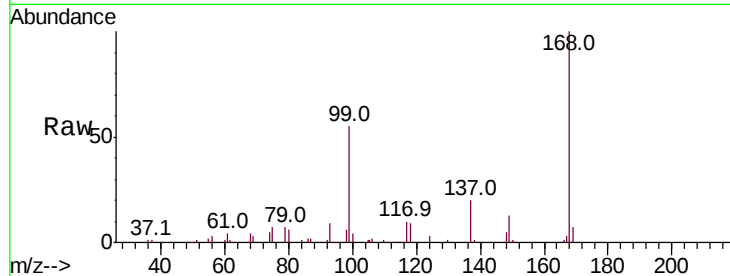




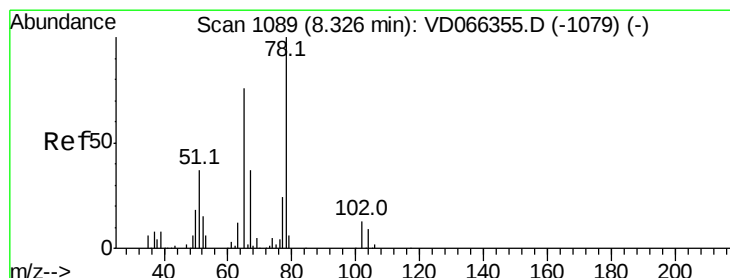
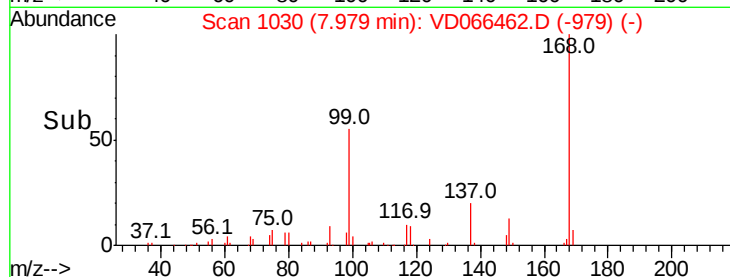
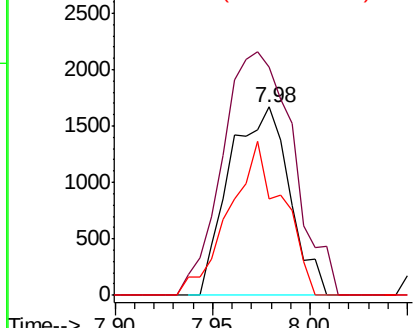
#31
Cyclohexane
Concen: 1.685 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066462.D
Acq: 28 Aug 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP13-0612-01

Tot Ion: 56 Resp: 3556
Ion Ratio Lower Upper
56 100
69 121.1 29.6 44.4#
84 51.5 76.6 115.0#

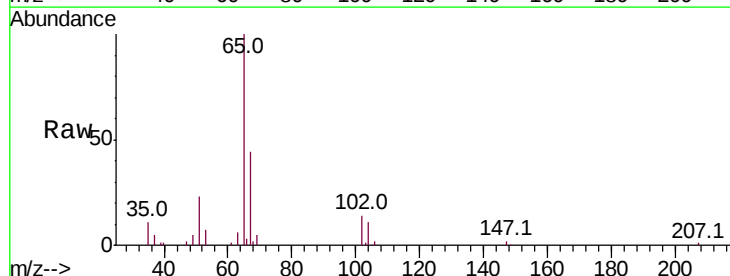


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

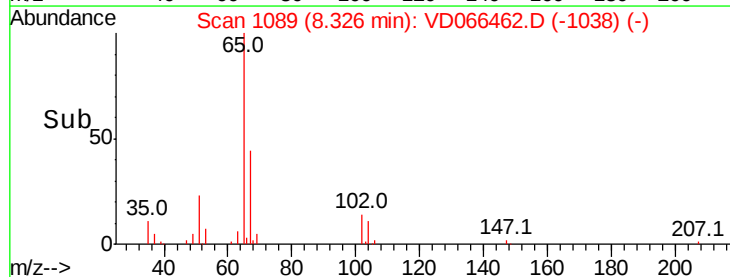
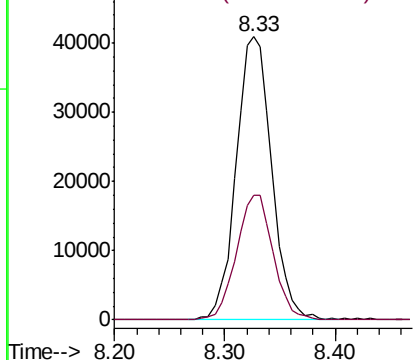


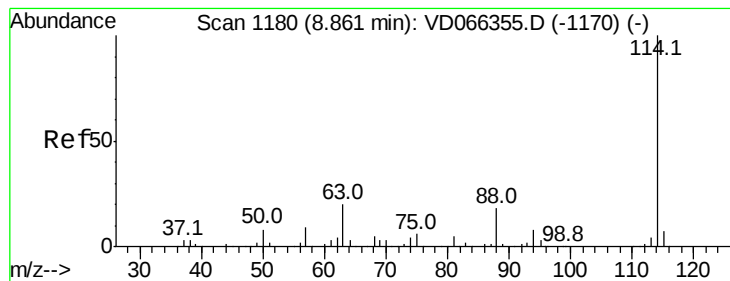
#33
1,2-Dichloroethane-d4
Concen: 60.758 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066462.D
Acq: 28 Aug 2020 16:18

Tgt Ion: 65 Resp: 92365
Ion Ratio Lower Upper
65 100
67 45.4 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# 1180

Delta R.T. -0.00 min

Lab File: VD066462.D

Acq: 28 Aug 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP13-0612-01

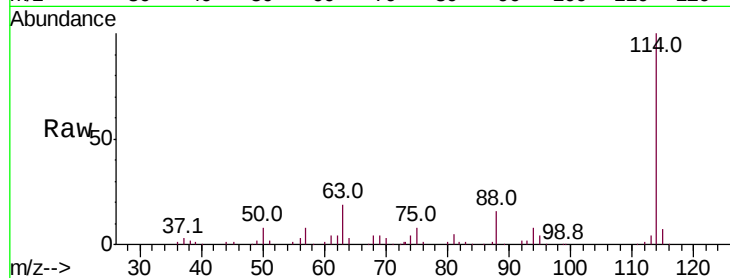
Tot Ion:114 Resp: 217100

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.8

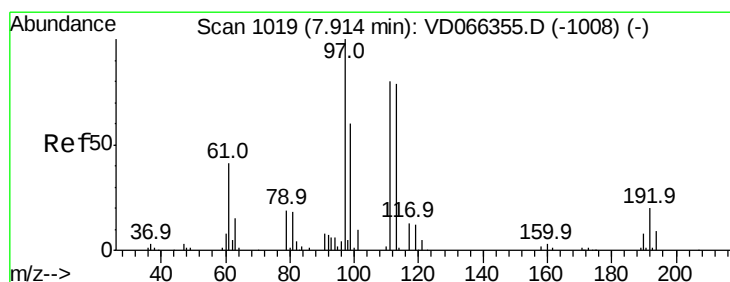
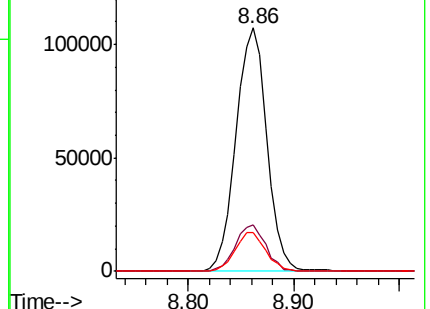
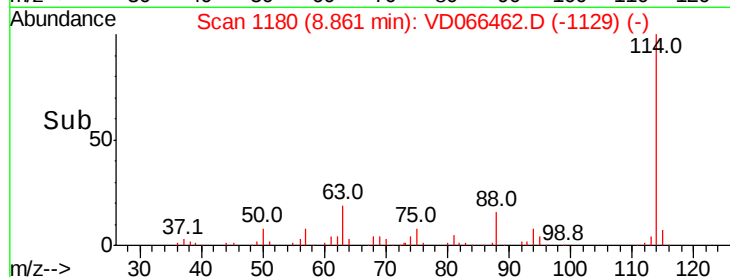
88 15.9 0.0 35.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 51.363 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066462.D

Acq: 28 Aug 2020 16:18

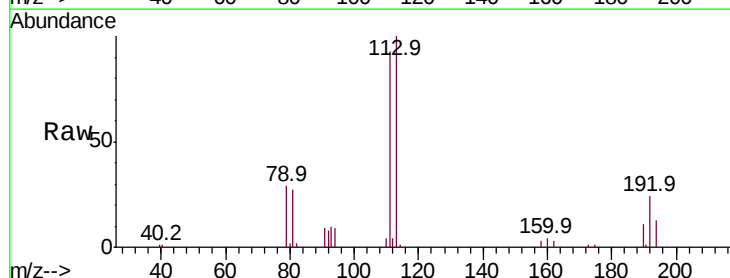
Tgt Ion:113 Resp: 69728

Ion Ratio Lower Upper

113 100

111 103.2 80.3 120.5

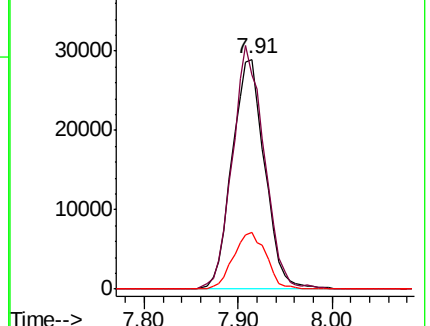
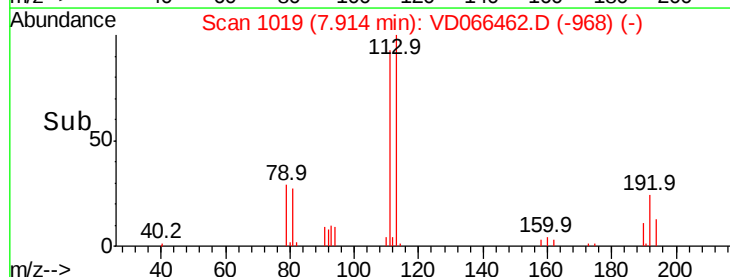
192 24.4 19.0 28.6

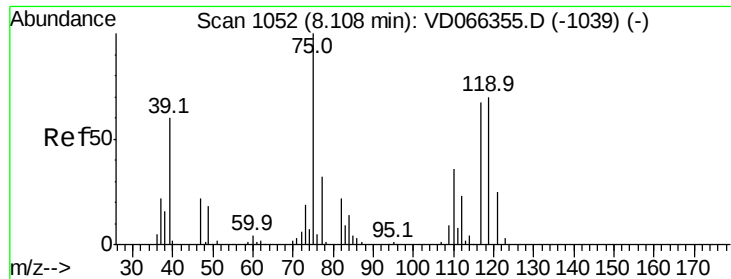


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.698 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066462.D

Acq: 28 Aug 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP13-0612-01

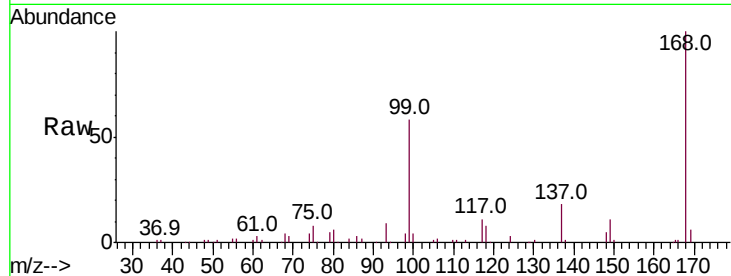
Tot Ion: 75 Resp: 11287

Ion Ratio Lower Upper

75 100

110 12.4 18.7 56.1#

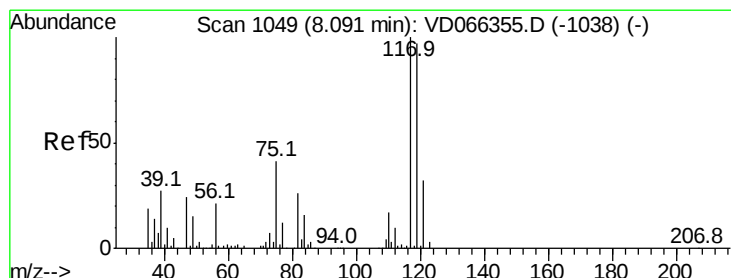
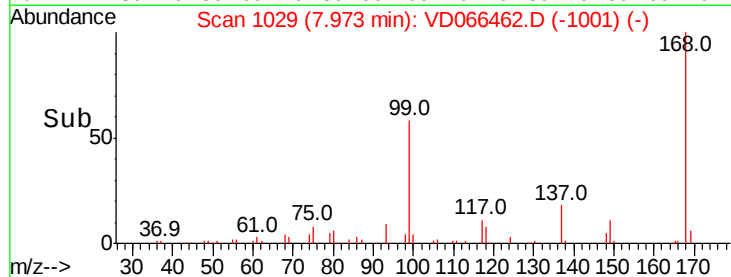
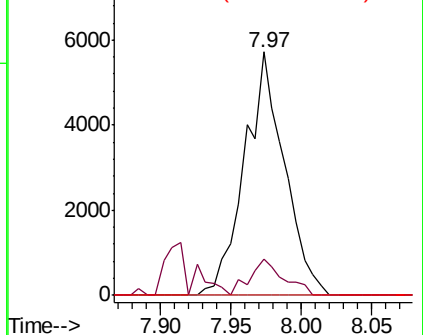
77 0.0 25.2 37.8#



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: 6.662 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066462.D

Acq: 28 Aug 2020 16:18

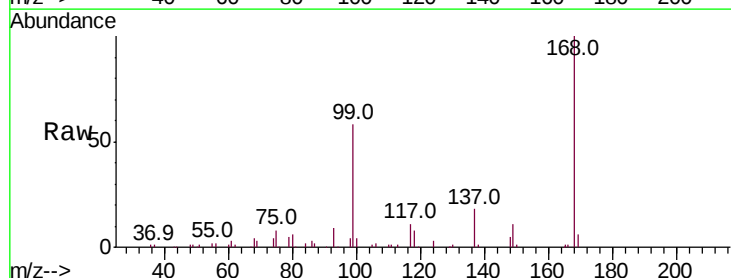
Tgt Ion: 117 Resp: 17193

Ion Ratio Lower Upper

117 100

119 4.3 77.2 115.8#

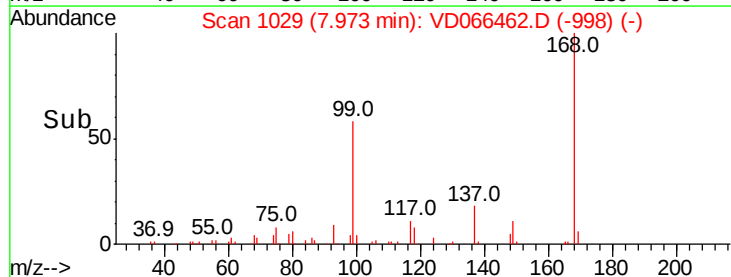
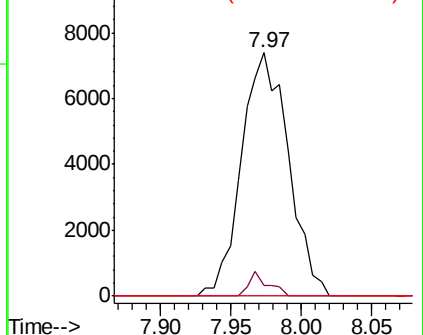
121 0.0 25.8 38.8#

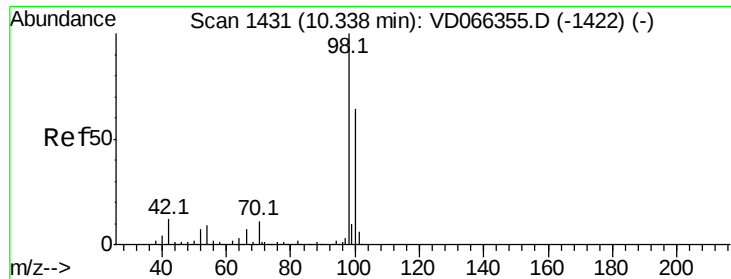


Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 118.80 (118.50 to 119.50): VDC

Ion 120.80 (120.50 to 121.50): VDC

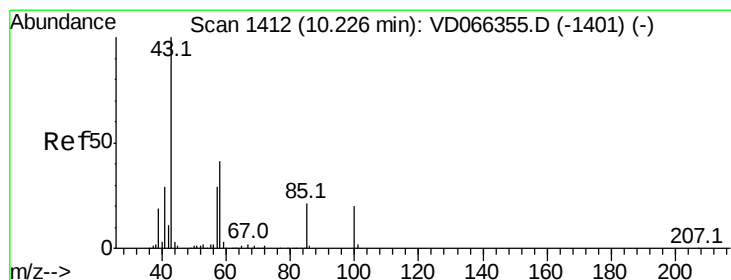
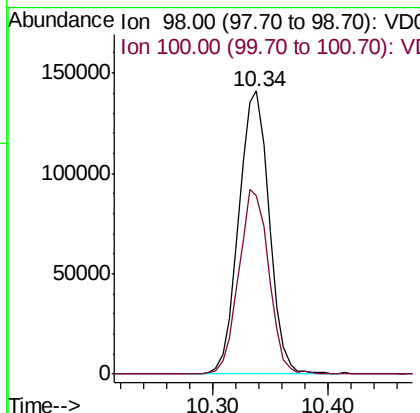
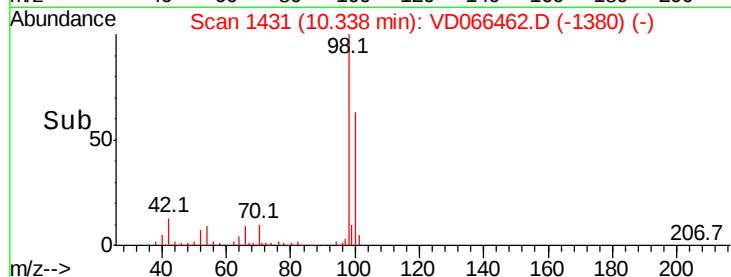
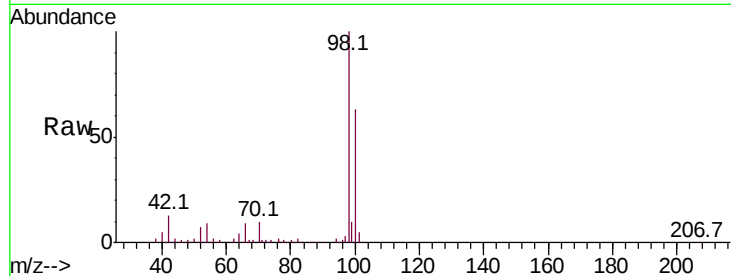




#50
Toluene-d8
Concen: 51.915 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066462.D
Acq: 28 Aug 2020 16:18

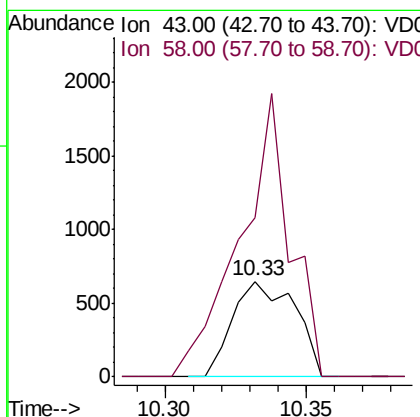
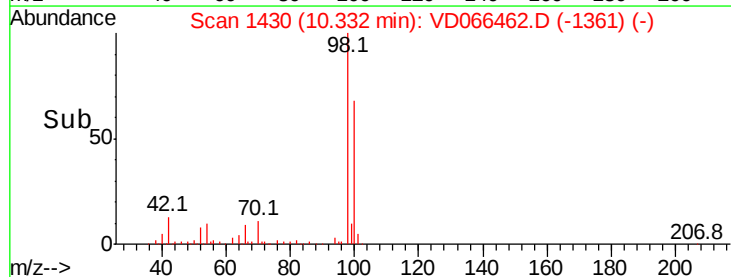
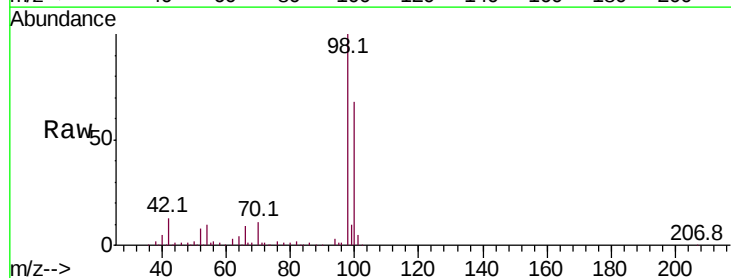
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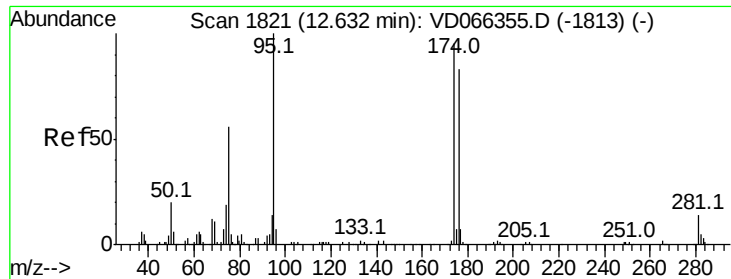
Tot Ion: 98 Resp: 257868
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.513 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. 0.11 min
Lab File: VD066462.D
Acq: 28 Aug 2020 16:18

Tgt Ion: 43 Resp: 990
Ion Ratio Lower Upper
43 100
58 239.0 31.4 47.2#

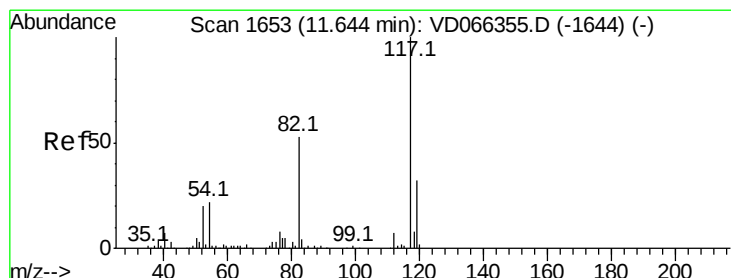
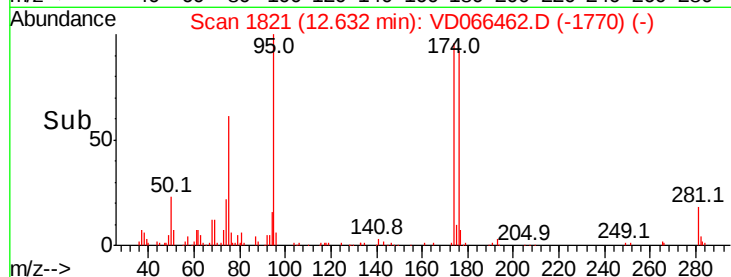
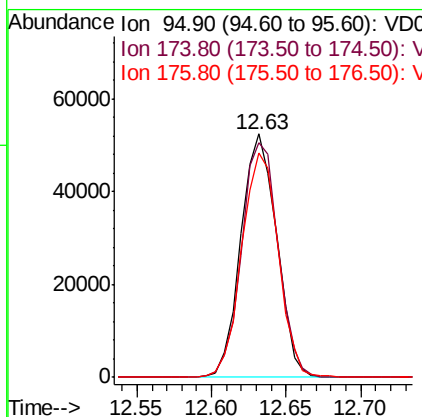
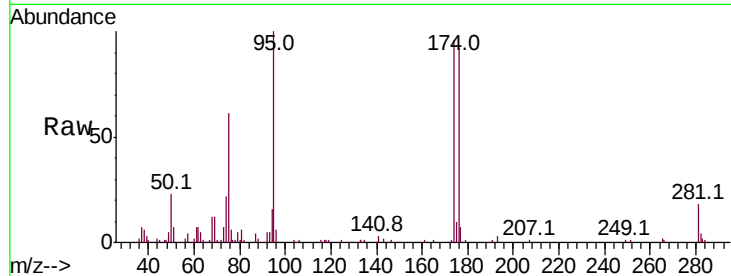




#62
4-Bromofluorobenzene
Concen: 49.389 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066462.D
Acq: 28 Aug 2020 16:18

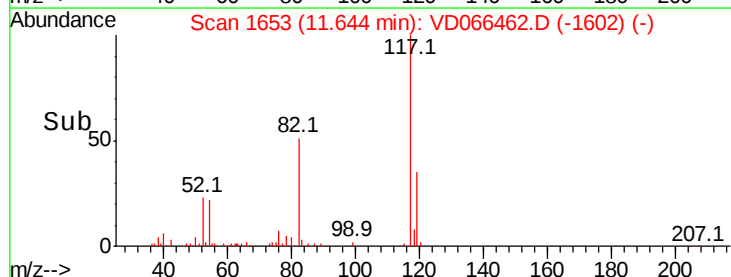
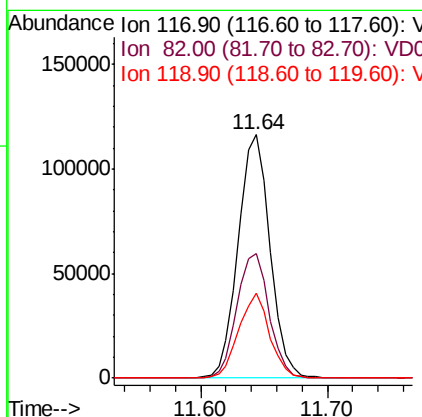
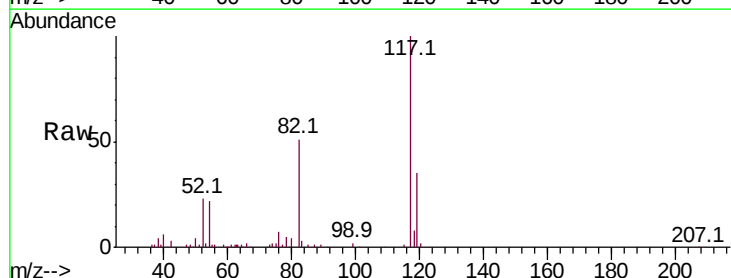
Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP13-0612-01

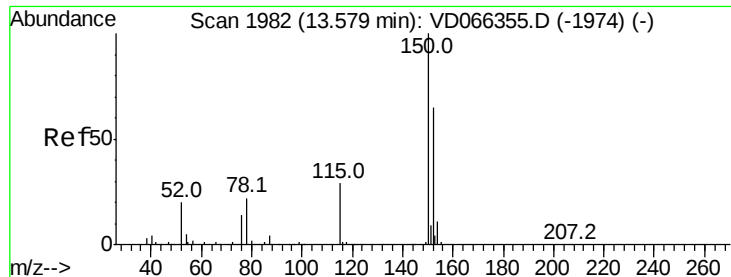
Tot Ion: 95 Resp: 87050
Ion Ratio Lower Upper
95 100
174 98.5 0.0 183.4
176 94.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066462.D
Acq: 28 Aug 2020 16:18

Tgt Ion: 117 Resp: 202942
Ion Ratio Lower Upper
117 100
82 51.4 42.8 64.2
119 34.8 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066462.D

Acq: 28 Aug 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP13-0612-01

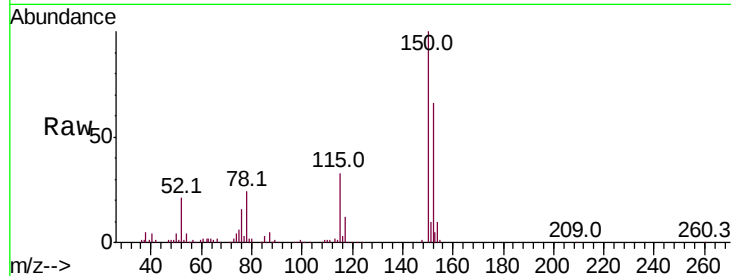
Tot Ion:152 Resp: 101057

Ion Ratio Lower Upper

152 100

115 54.8 28.3 85.0

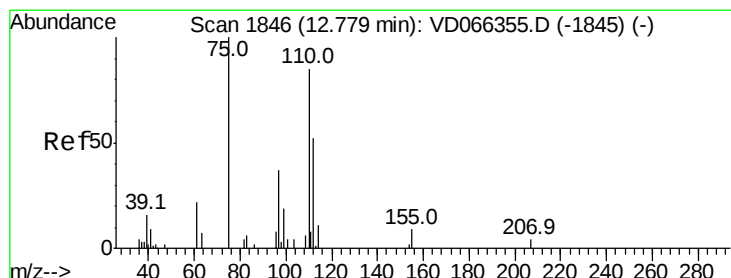
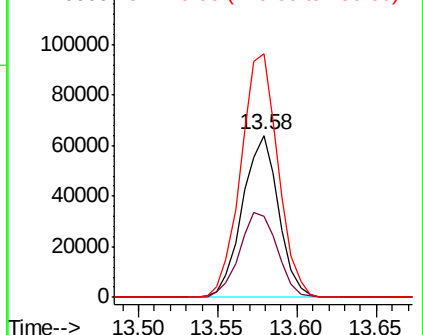
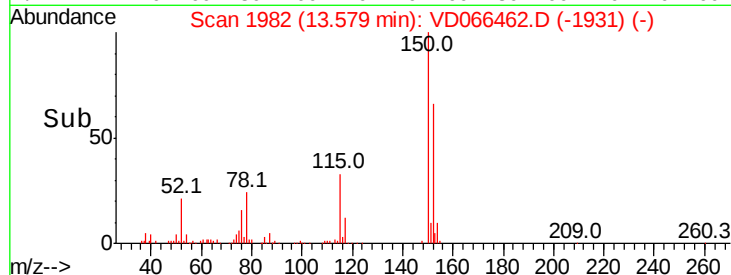
150 155.1 0.0 343.2



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: 73.154 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066462.D

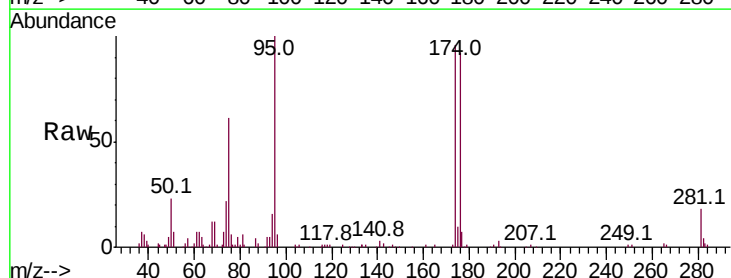
Acq: 28 Aug 2020 16:18

Tgt Ion: 75 Resp: 52008

Ion Ratio Lower Upper

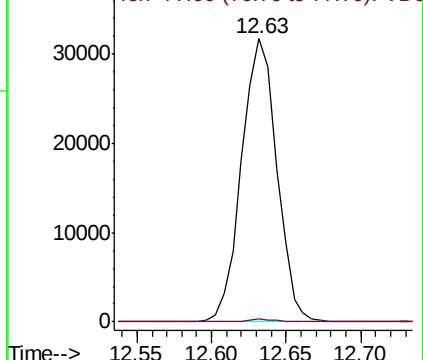
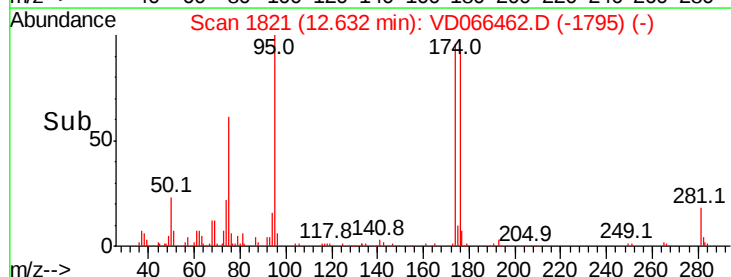
75 100

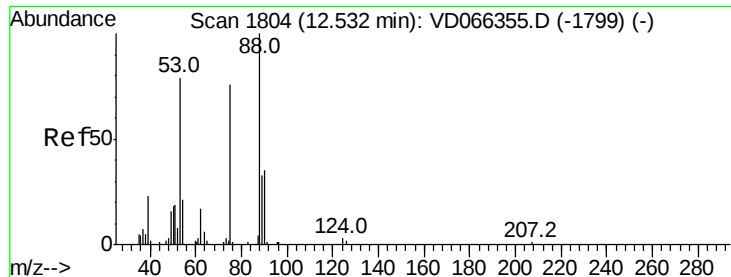
77 0.7 182.9 548.9#



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: 155.282 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066462.D

Acq: 28 Aug 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP13-0612-01

Tot Ion: 75 Resp: 52008

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.0 39.4 59.0#

