

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090120\
 Data File : VD066504.D
 Acq On : 01 Sep 2020 18:56
 Operator : VA/SY
 Sample : L3852-04
 Misc : 6.41G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 206

Quant Time: Sep 02 01:07:31 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	7.98	168	184412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	262686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	256563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	136883	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	100365	55.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.02%	
35) Dibromofluoromethane	7.91	113	81484	49.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.22%	
50) Toluene-d8	10.34	98	315169	52.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.88%	
62) 4-Bromofluorobenzene	12.63	95	114503	53.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.38%	

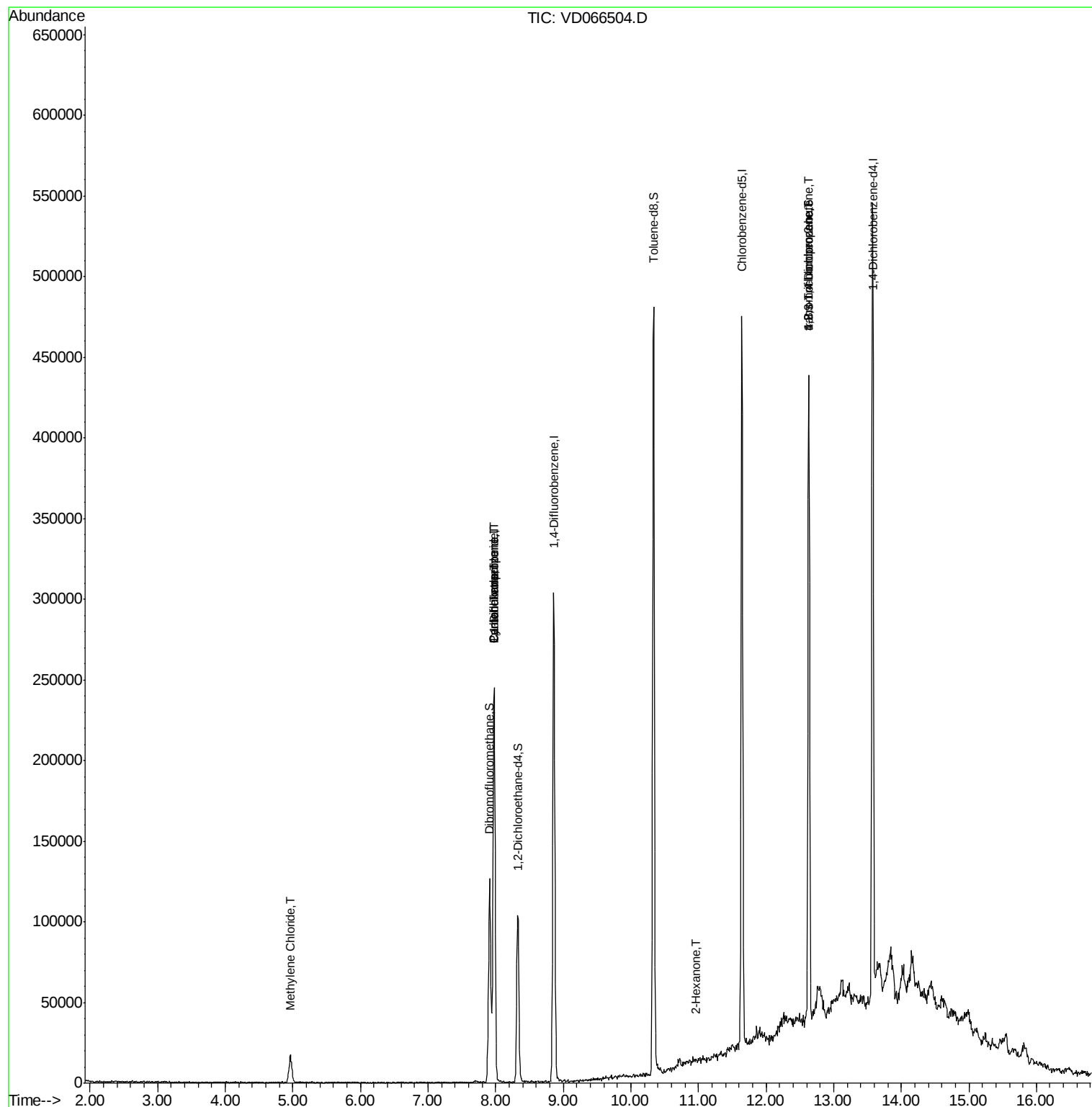
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.40	59	60	Below Cal	#	71
20) Methylene Chloride	4.96	84	12992	1.290	ug/l #	85
31) Cyclohexane	7.98	56	3346	1.333	ug/l #	27
36) 1,1-Dichloropropene	7.97	75	11769	4.910	ug/l #	51
38) Carbon Tetrachloride	7.98	117	19323	6.188	ug/l #	16
59) 2-Hexanone	10.96	43	727	1.302	ug/l #	26
76) 1,2,3-Trichloropropane	12.63	75	70099	72.794	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	70099	154.518	ug/l #	7

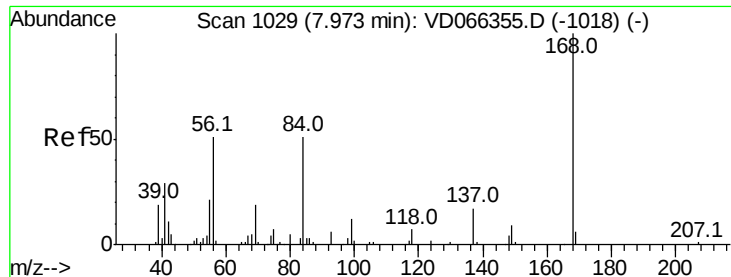
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066504.D

Acq: 01 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

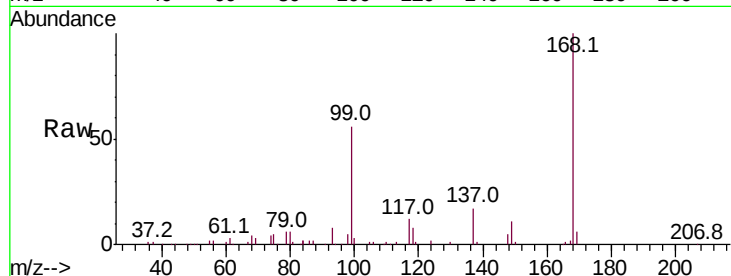
206

Tot Ion:168 Resp: 184412

Ion Ratio Lower Upper

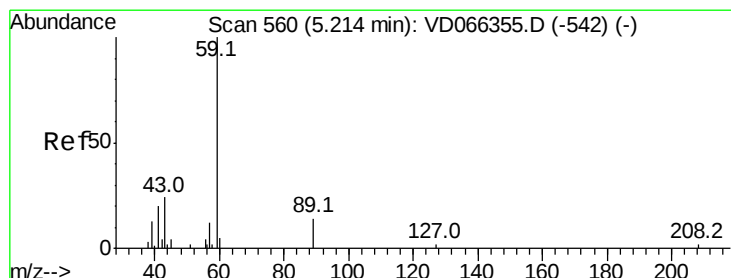
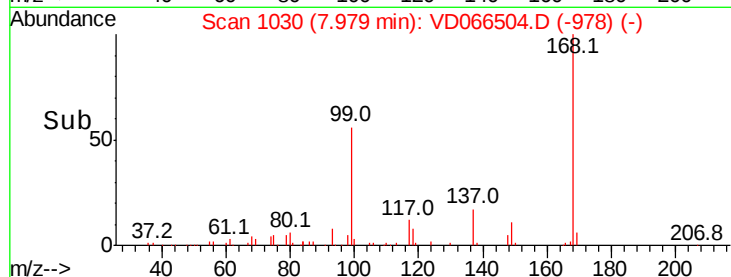
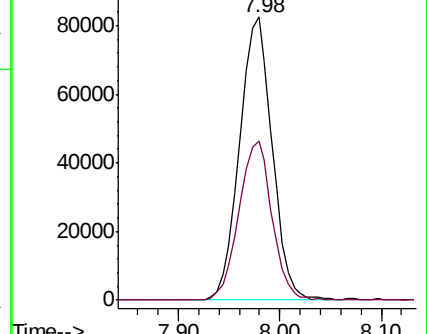
168 100

99 56.4 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: 5.40 min Scan# 591

Delta R.T. 0.18 min

Lab File: VD066504.D

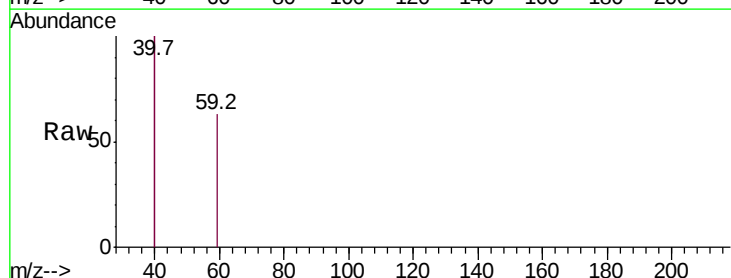
Acq: 01 Sep 2020 18:56

Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

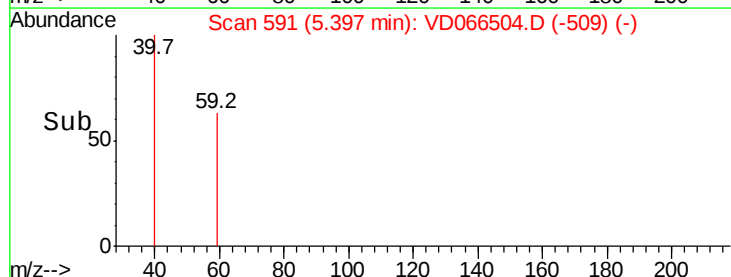
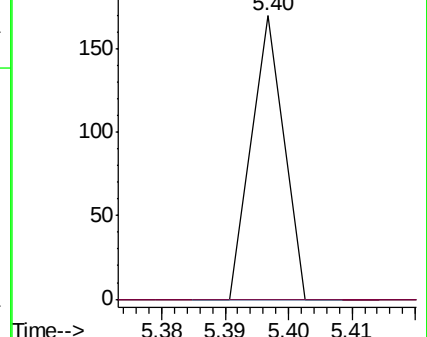
59 100

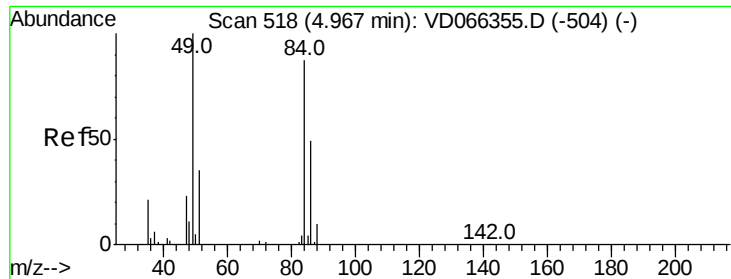
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

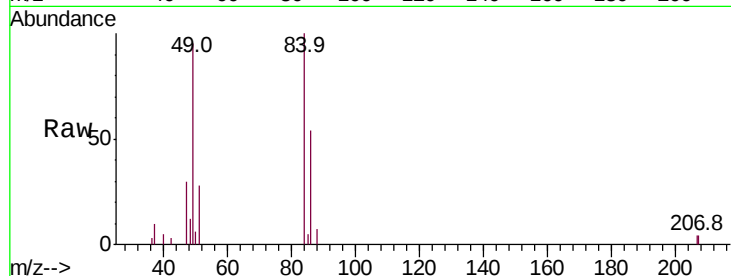




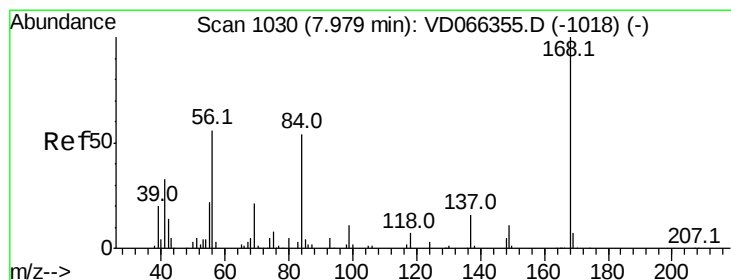
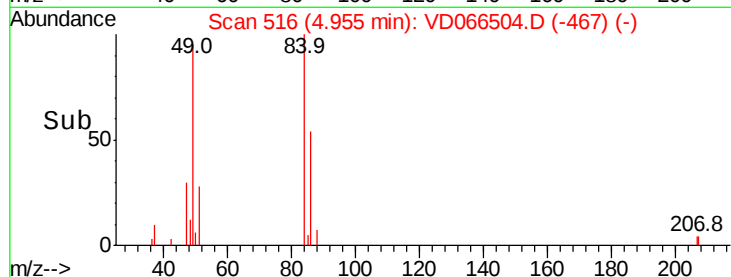
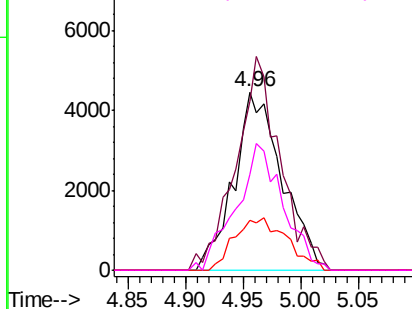
#20
Methvlene Chloride
Concen: 1.290 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066504.D
Acq: 01 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampled :
206

Tot Ion: 84 Resp: 12992
Ion Ratio Lower Upper
84 100
49 94.9 92.5 138.7
51 28.3 32.5 48.7#
86 54.2 45.0 67.6

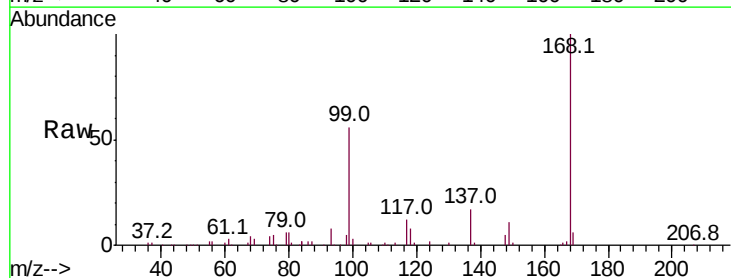


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

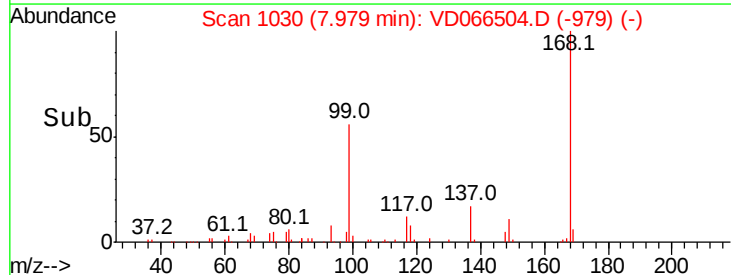
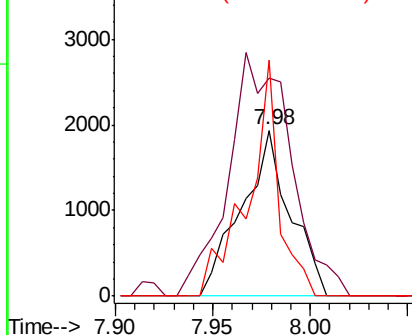


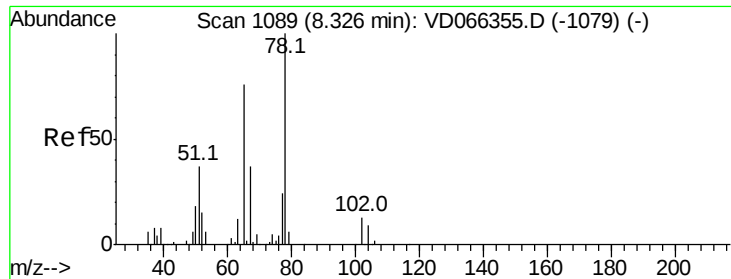
#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066504.D
Acq: 01 Sep 2020 18:56

Tgt Ion: 56 Resp: 3346
Ion Ratio Lower Upper
56 100
69 119.3 29.6 44.4#
84 142.3 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

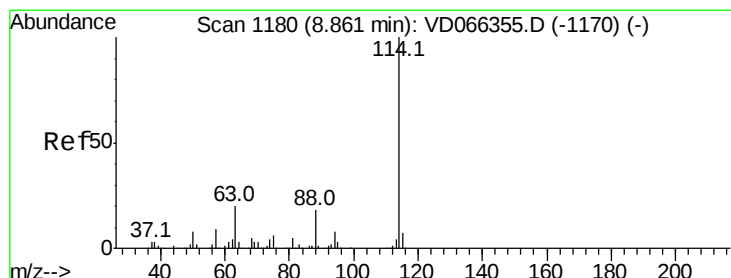
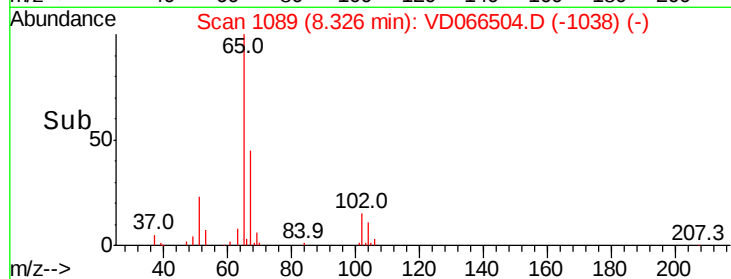
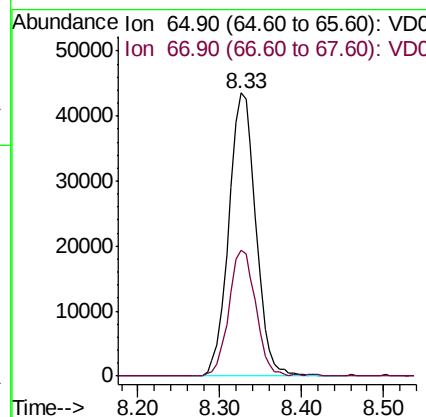
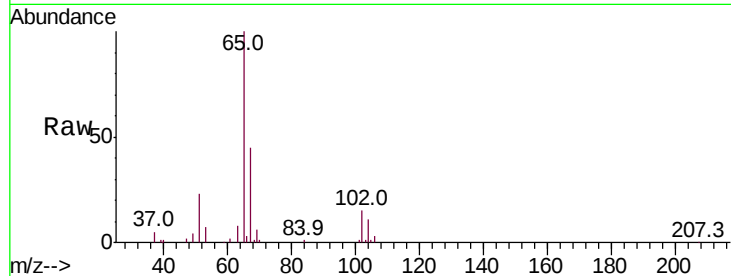




#33
 1,2-Dichloroethane-d4
 Concen: 55.513 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066504.D
 Acq: 01 Sep 2020 18:56

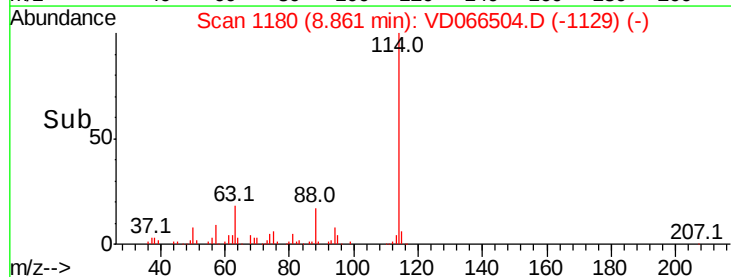
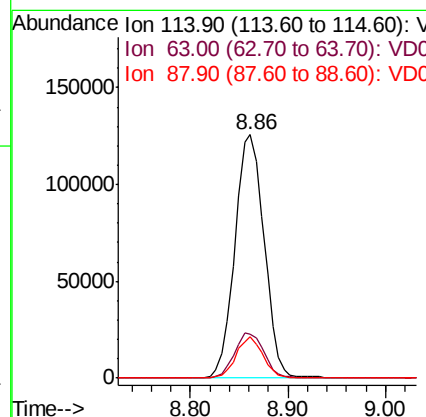
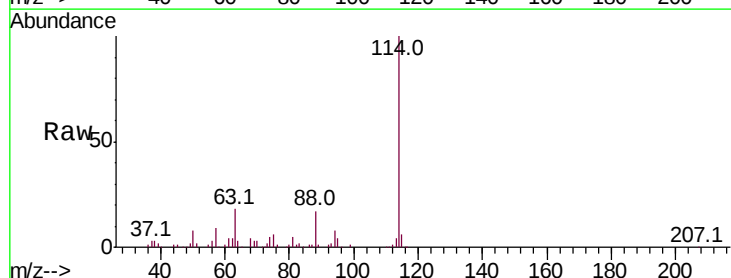
Instrument :
 MSVOA_D
 ClientSampleId :
 206

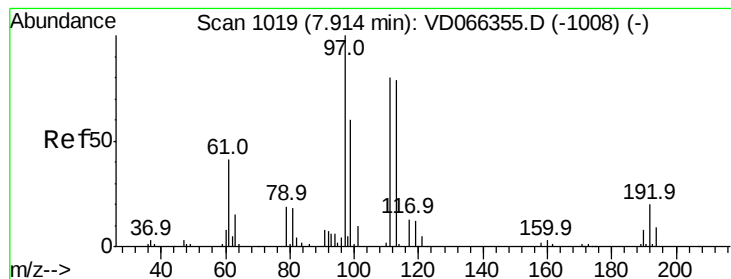
Tot Ion: 65 Resp: 100365
 Ion Ratio Lower Upper
 65 100
 67 43.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066504.D
 Acq: 01 Sep 2020 18:56

Tgt Ion: 114 Resp: 262686
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 40.8
 88 17.0 0.0 35.4





#35

Dibromofluoromethane

Concen: 49.607 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066504.D

Acq: 01 Sep 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
206

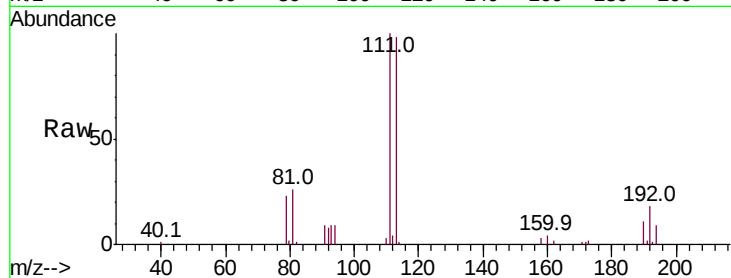
Tot Ion:113 Resp: 81484

Ion Ratio Lower Upper

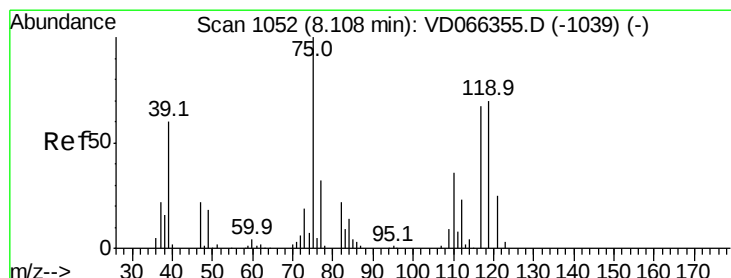
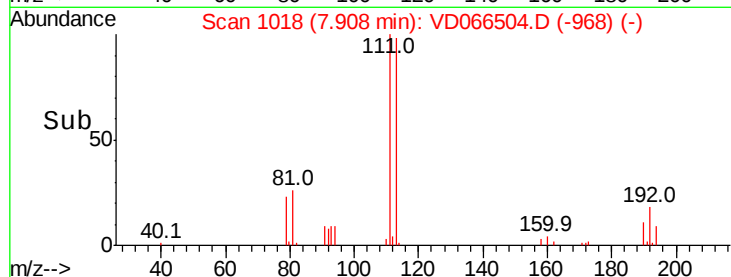
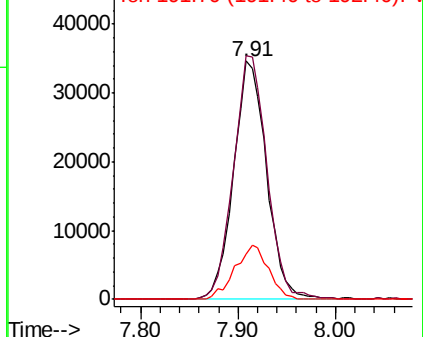
113 100

111 103.6 80.3 120.5

192 23.0 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: 4.910 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066504.D

Acq: 01 Sep 2020 18:56

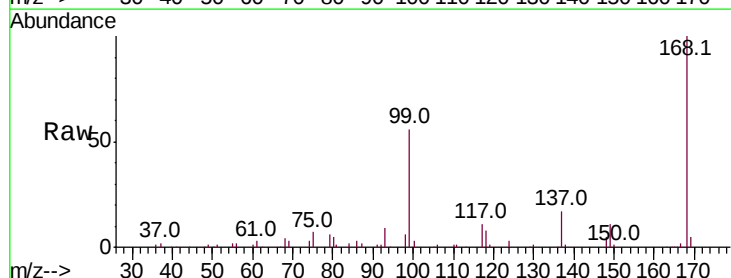
Tgt Ion: 75 Resp: 11769

Ion Ratio Lower Upper

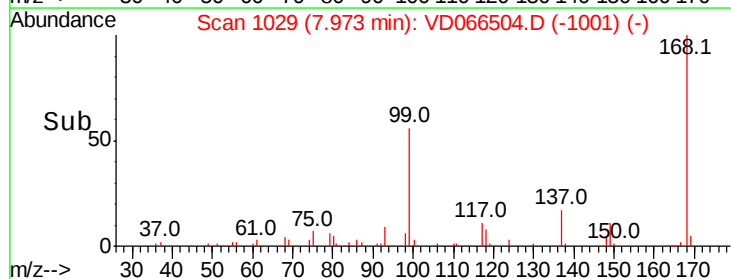
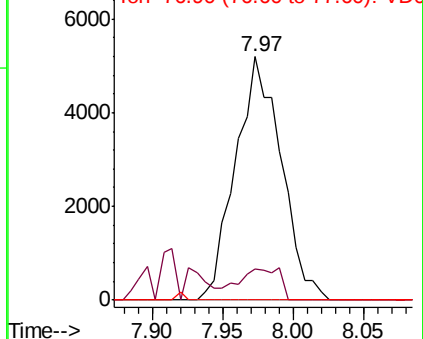
75 100

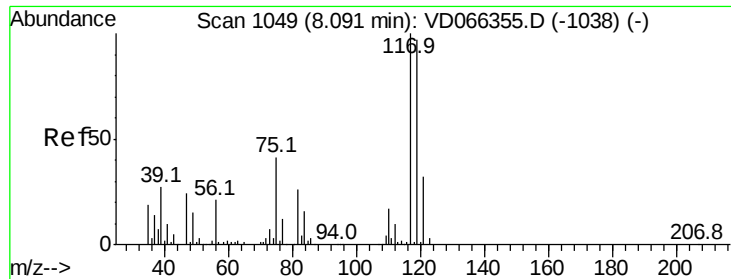
110 11.6 18.7 56.1#

77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.188 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066504.D

Acq: 01 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

206

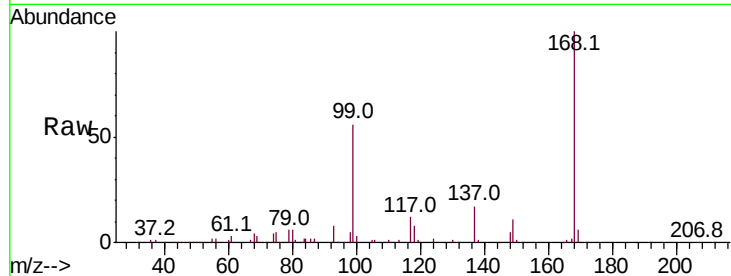
Tot Ion:117 Resp: 19323

Ion Ratio Lower Upper

117 100

119 5.7 77.2 115.8#

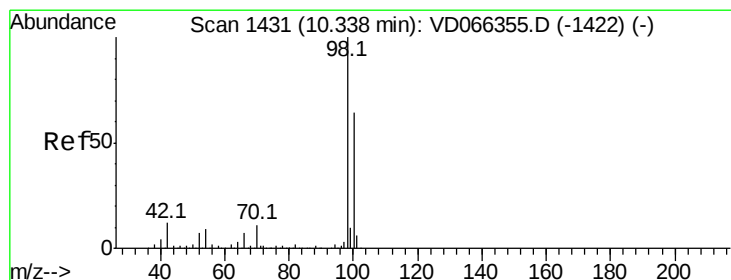
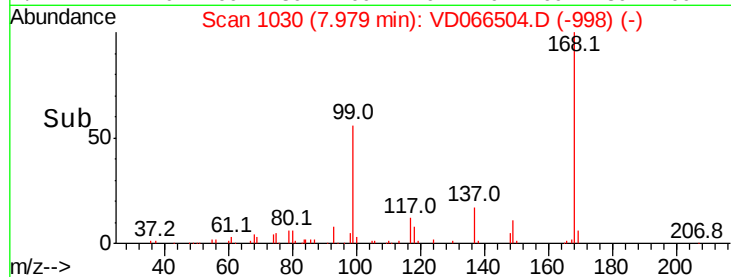
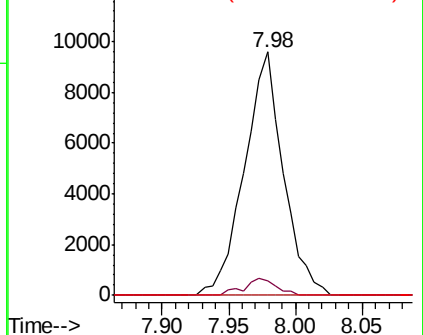
121 0.0 25.8 38.8#



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: 52.440 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066504.D

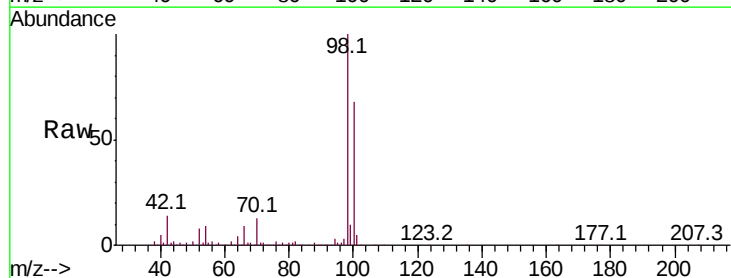
Acq: 01 Sep 2020 18:56

Tgt Ion: 98 Resp: 315169

Ion Ratio Lower Upper

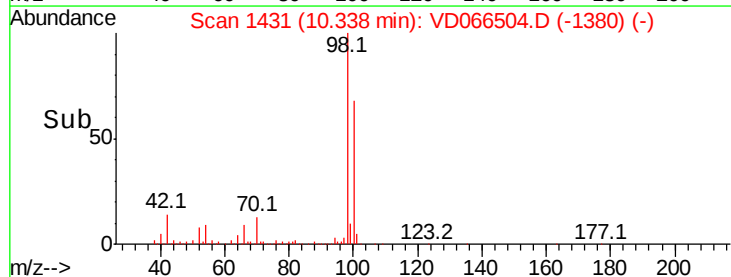
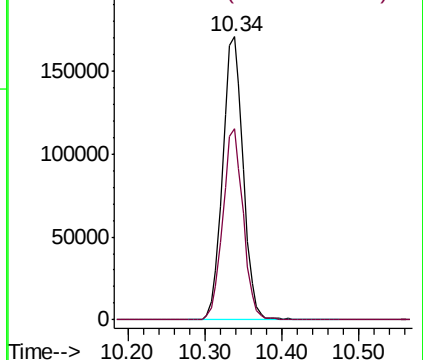
98 100

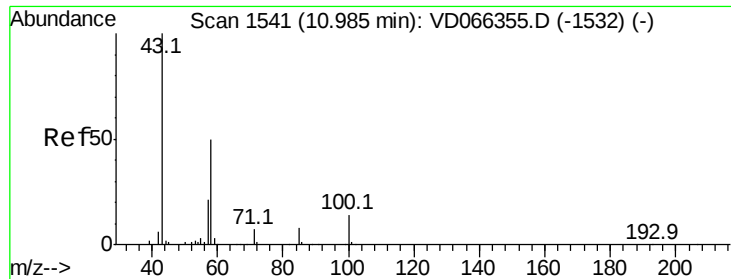
100 67.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#59

2-Hexanone

Concen: 1.302 ug/l

RT: 10.96 min Scan# 1537

Delta R.T. -0.02 min

Lab File: VD066504.D

Acq: 01 Sep 2020 18:56

Instrument :

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ClientSampleId :

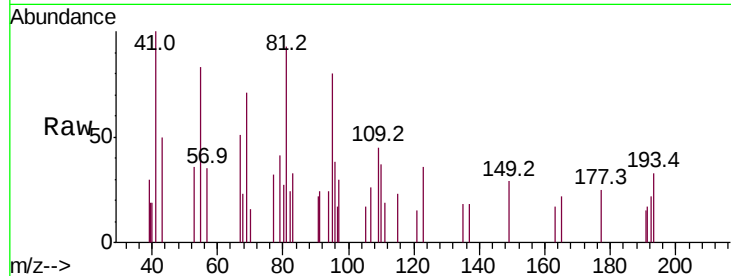
206

Tot Ion: 43 Resp: 727

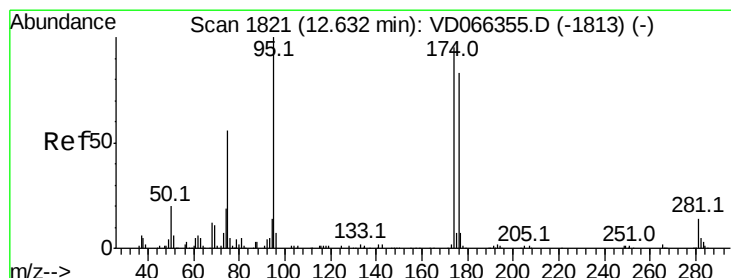
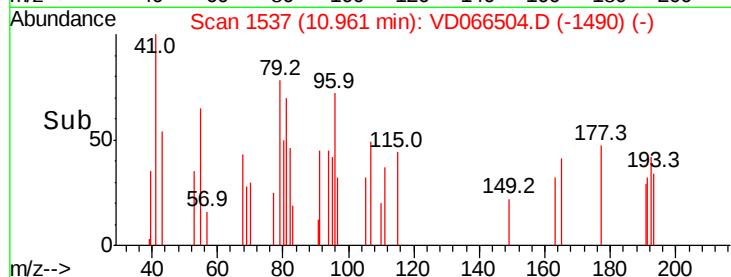
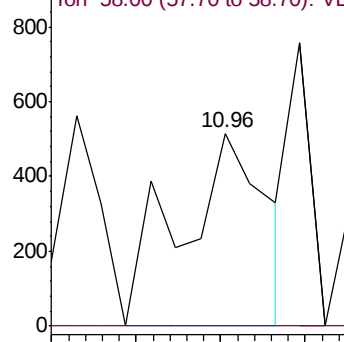
Ion Ratio Lower Upper

43 100

58 0.0 26.3 78.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#62

4-Bromofluorobenzene

Concen: 53.691 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066504.D

Acq: 01 Sep 2020 18:56

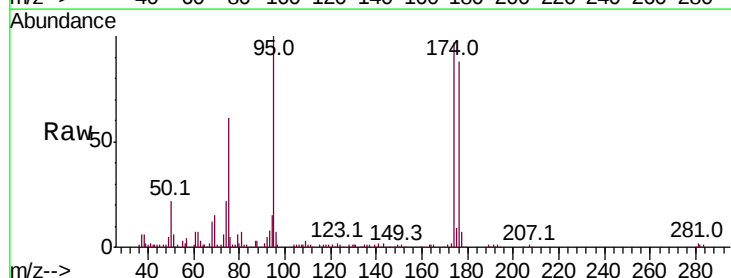
Tgt Ion: 95 Resp: 114503

Ion Ratio Lower Upper

95 100

174 97.4 0.0 183.4

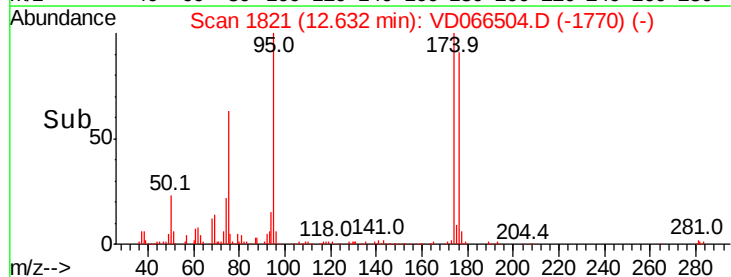
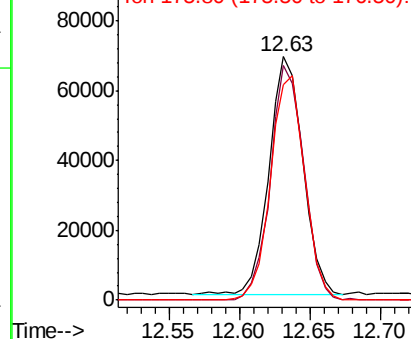
176 95.0 0.0 173.8

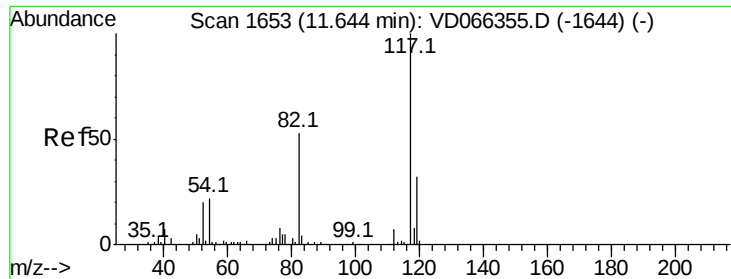


Abundance Ion 94.90 (94.60 to 95.60): VDC

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: VD066504.D

Acq: 01 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

206

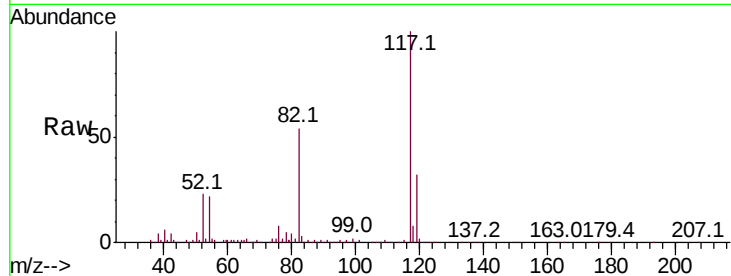
Tot Ion:117 Resp: 256563

Ion Ratio Lower Upper

117 100

82 53.9 42.8 64.2

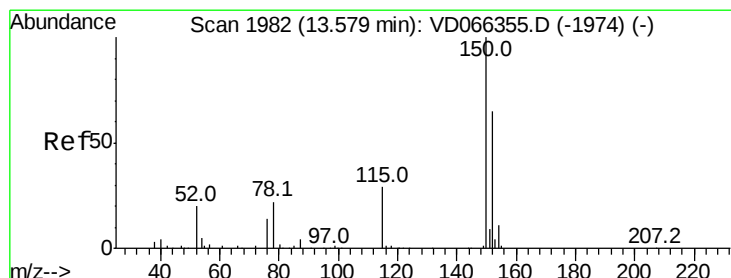
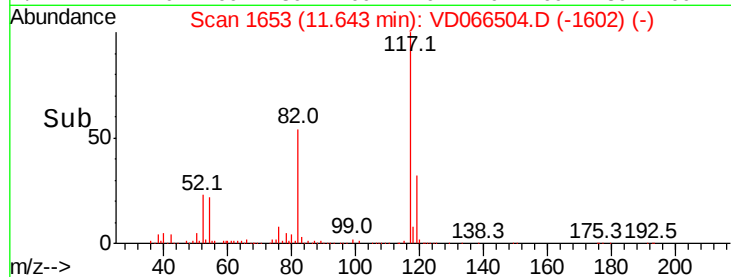
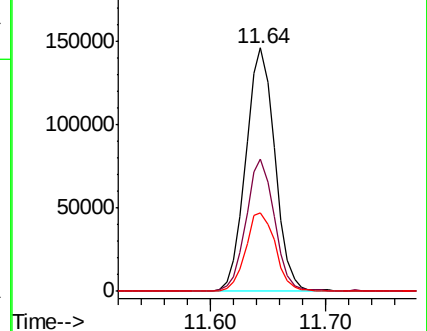
119 32.2 25.8 38.8



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: VD066504.D

Acq: 01 Sep 2020 18:56

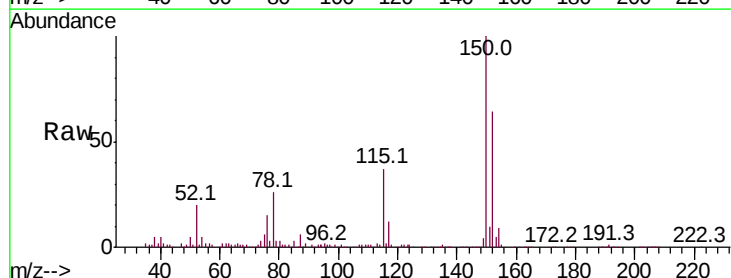
Tgt Ion:152 Resp: 136883

Ion Ratio Lower Upper

152 100

115 57.0 28.3 85.0

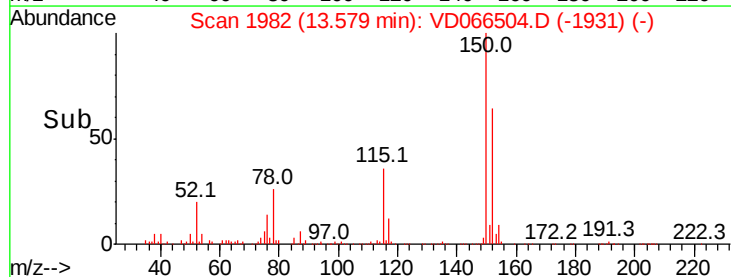
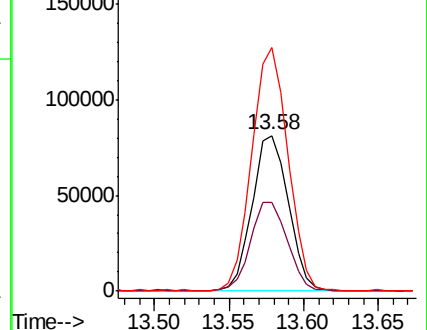
150 154.8 0.0 343.2

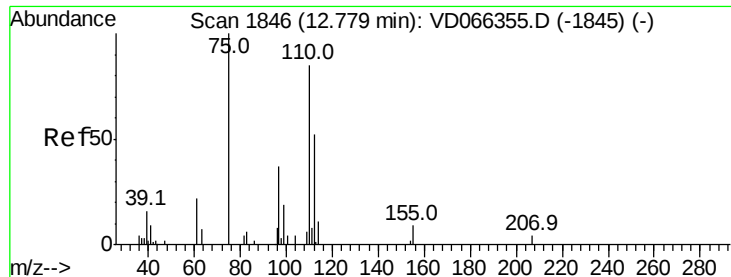


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 72.794 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066504.D

Acq: 01 Sep 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

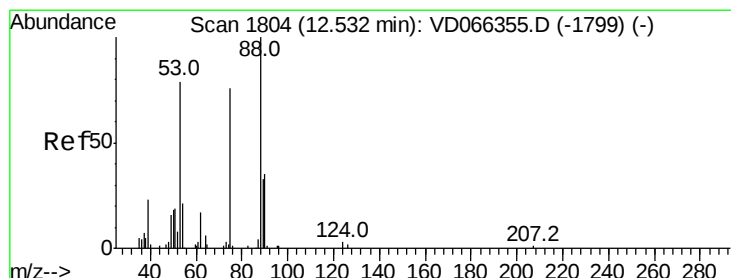
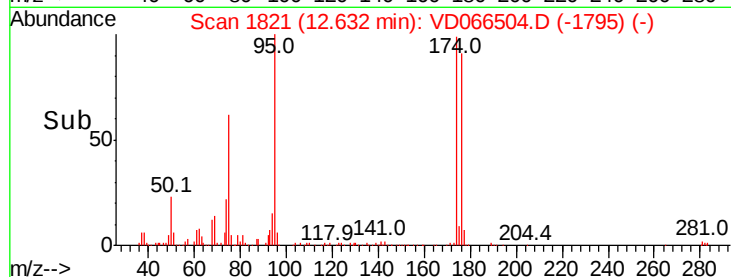
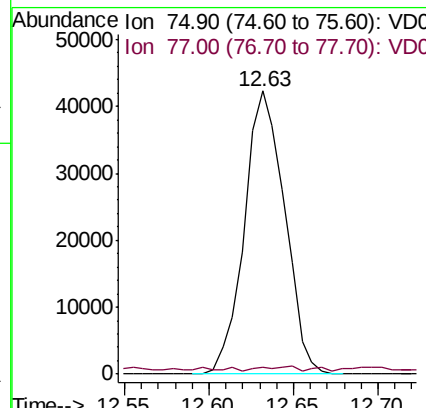
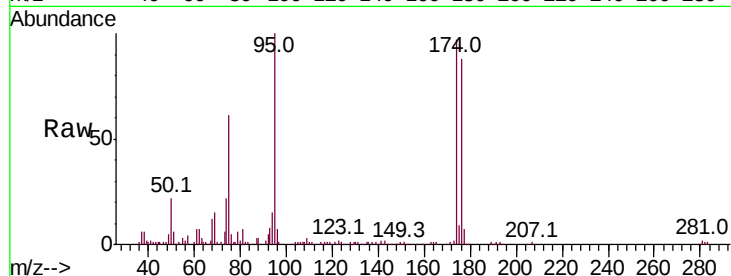
206

Tot Ion: 75 Resp: 70099

Ion Ratio Lower Upper

75 100

77 1.2 182.9 548.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 154.518 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066504.D

Acq: 01 Sep 2020 18:56

Tgt Ion: 75 Resp: 70099

Ion Ratio Lower Upper

75 100

53 1.0 87.4 131.2#

89 0.0 39.4 59.0#

