

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066533.D
 Acq On : 02 Sep 2020 20:00
 Operator : VA/SY
 Sample : L3876-04
 Misc : 1.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1447

Quant Time: Sep 03 03:44:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 15:08:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	134415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	184088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	166765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	82700	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	77395	53.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.08%	
35) Dibromofluoromethane	7.91	113	56467	51.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.00%	
50) Toluene-d8	10.34	98	210576	50.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.63	95	67846	45.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.56%	

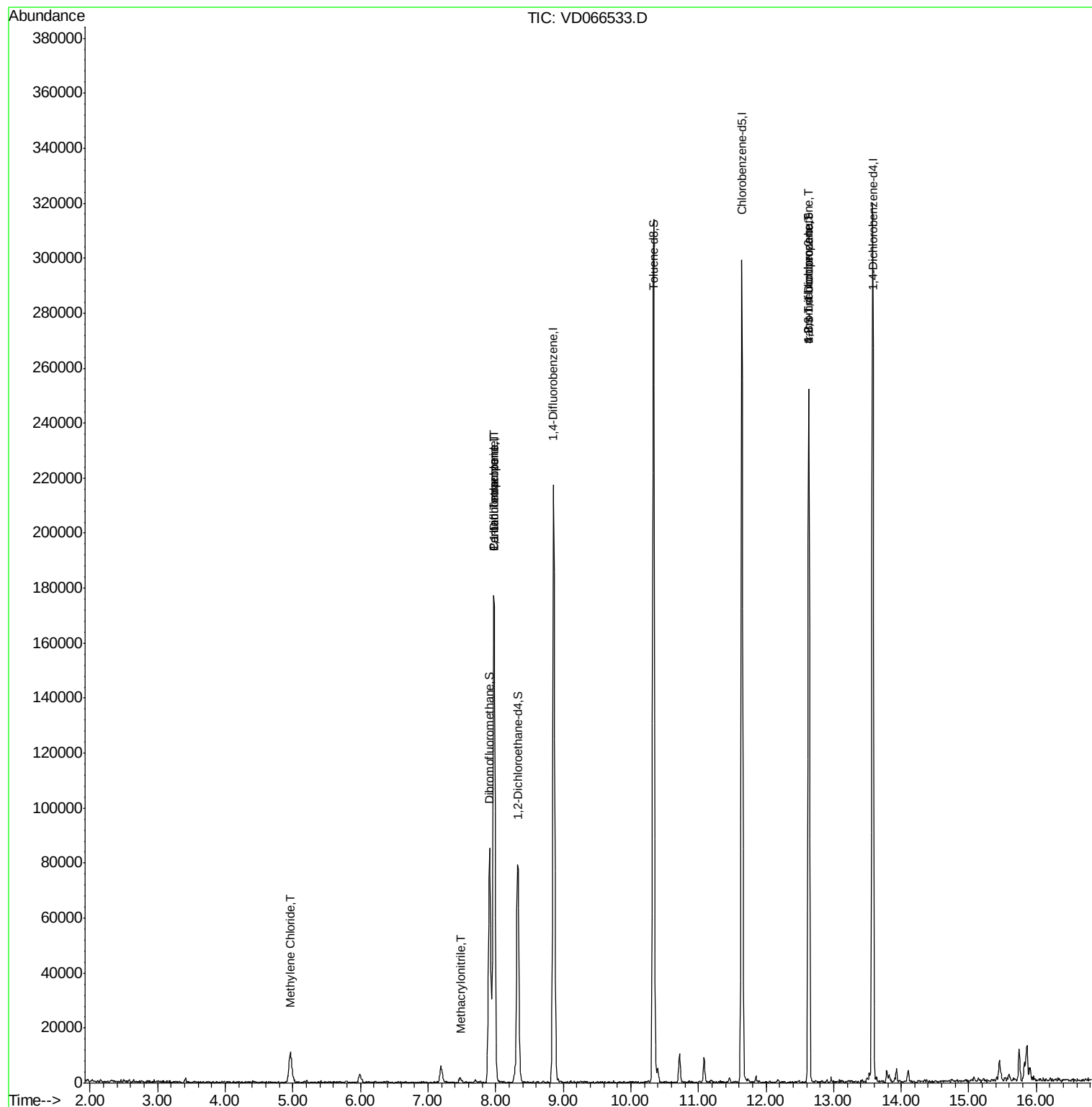
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	421	Below Cal	#	76
20) Methylene Chloride	4.96	84	8364	3.794	ug/l #	82
31) Cyclohexane	7.97	56	3227	Below Cal	#	46
36) 1,1-Dichloropropene	7.97	75	9006	5.581	ug/l #	53
38) Carbon Tetrachloride	7.97	117	12397	5.043	ug/l #	19
41) Methacrylonitrile	7.48	41	1301	5.162	ug/l #	7
76) 1,2,3-Trichloropropane	12.63	75	41519	79.808	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	41519	177.725	ug/l #	1

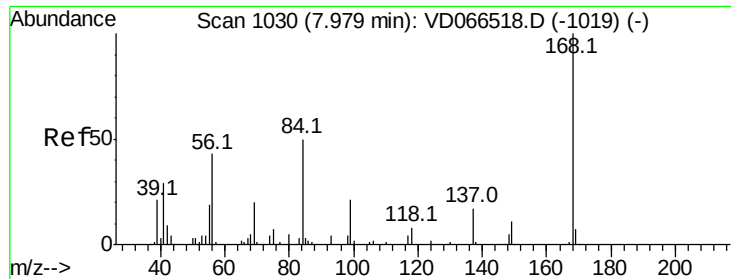
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066533.D

Acq: 02 Sep 2020 20:00

Instrument :

MSVOA_D

ClientSampleId :

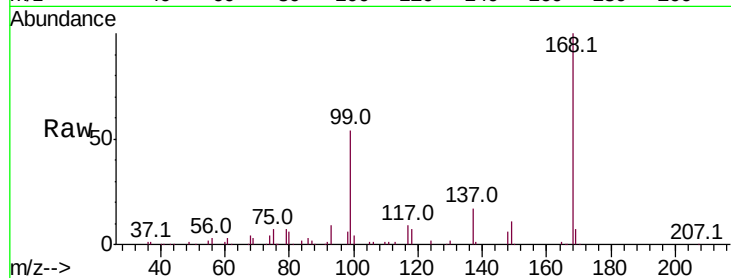
1447

Tot Ion:168 Resp: 134415

Ion Ratio Lower Upper

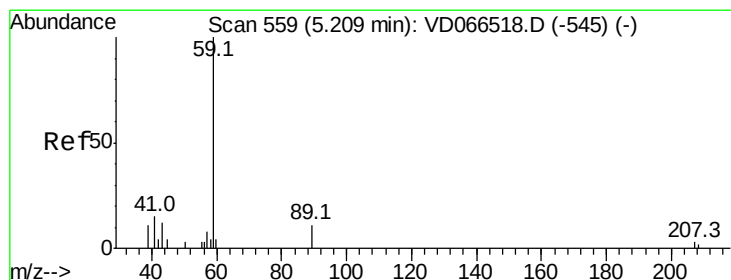
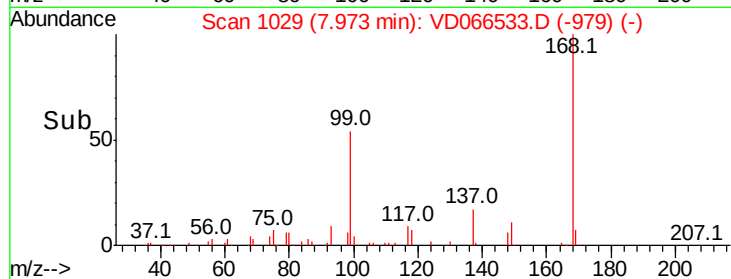
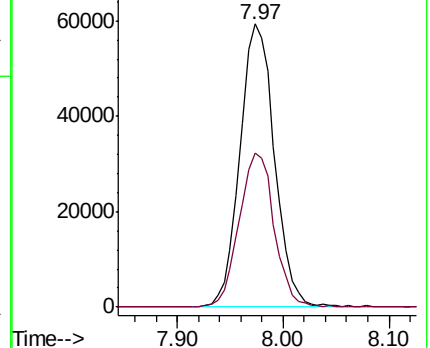
168 100

99 54.3 45.1 67.7



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: 5.19 min Scan# 555

Delta R.T. -0.02 min

Lab File: VD066533.D

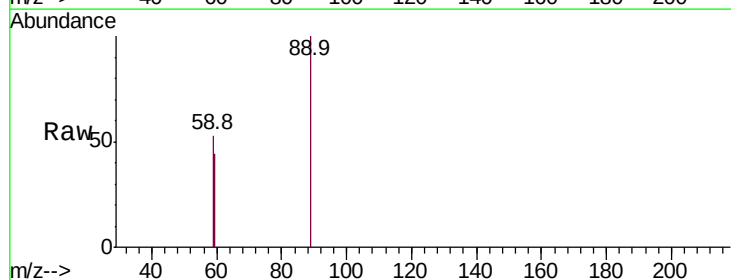
Acq: 02 Sep 2020 20:00

Tgt Ion: 59 Resp: 421

Ion Ratio Lower Upper

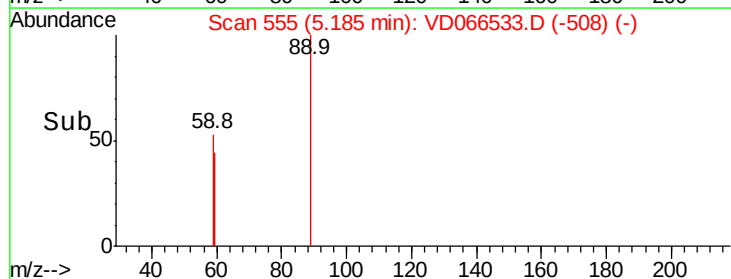
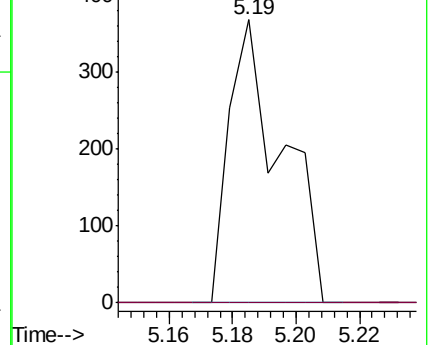
59 100

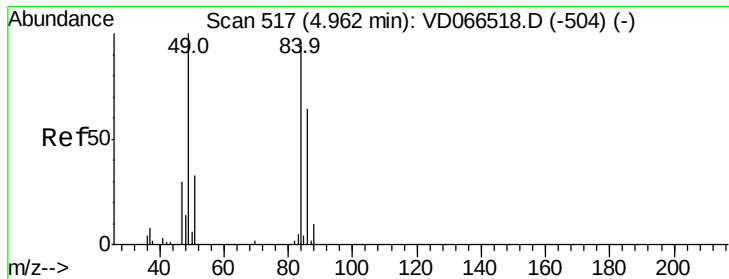
57 0.0 6.8 10.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#20

Methylene Chloride

Concen: 3.794 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD066533.D

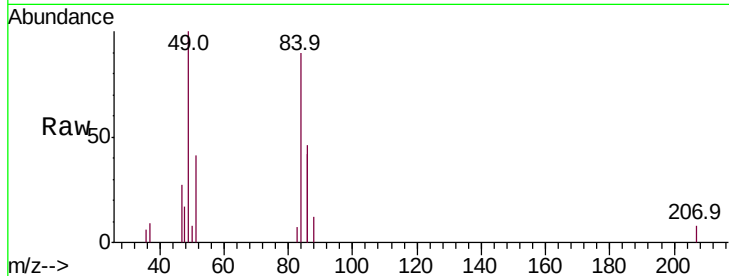
Acq: 02 Sep 2020 20:00

Instrument :

MSVOA_D

ClientSampleId :

1447



Tot Ion: 84 Resp: 8364

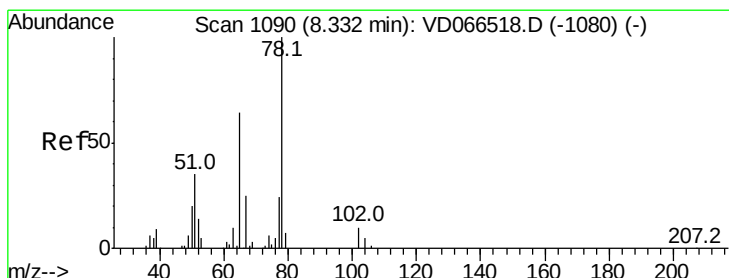
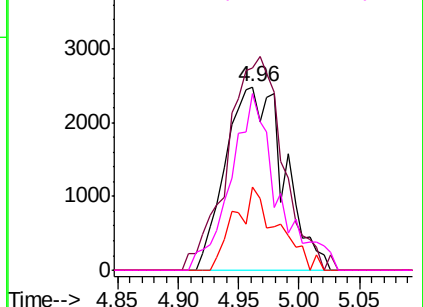
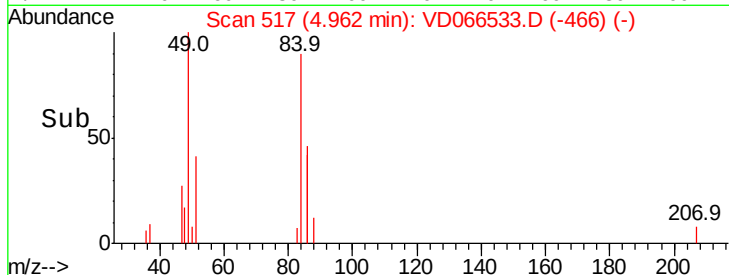
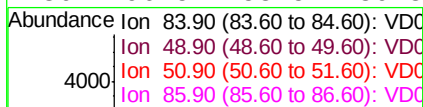
Ion Ratio Lower Upper

84 100

49 110.6 83.5 125.3

51 45.4 27.8 41.8#

86 96.5 53.5 80.3#



#33

1,2-Dichloroethane-d4

Concen: 53.539 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066533.D

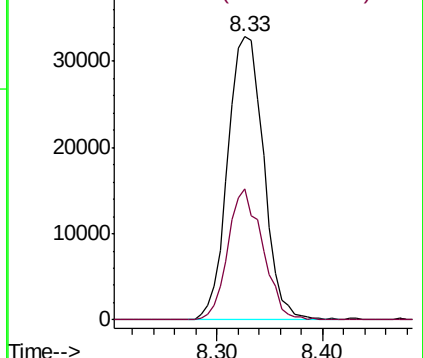
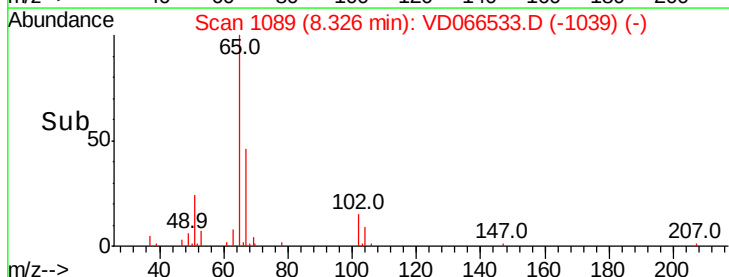
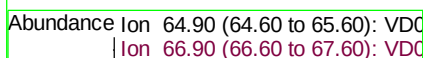
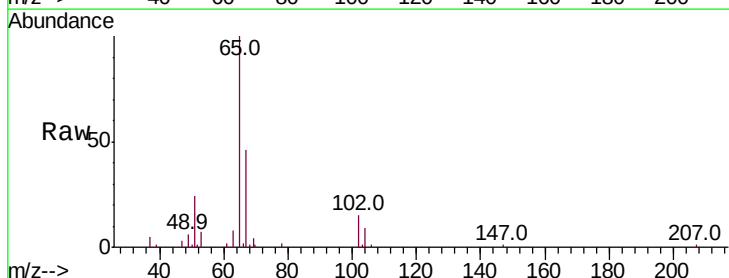
Acq: 02 Sep 2020 20:00

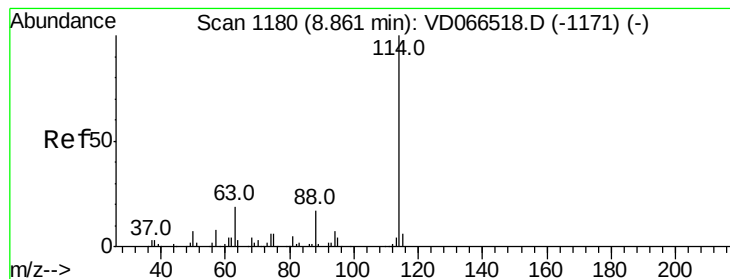
Tgt Ion: 65 Resp: 77395

Ion Ratio Lower Upper

65 100

67 44.7 0.0 88.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VD066533.D

Acq: 02 Sep 2020 20:00

Instrument :

MSVOA_D

ClientSampleId :

1447

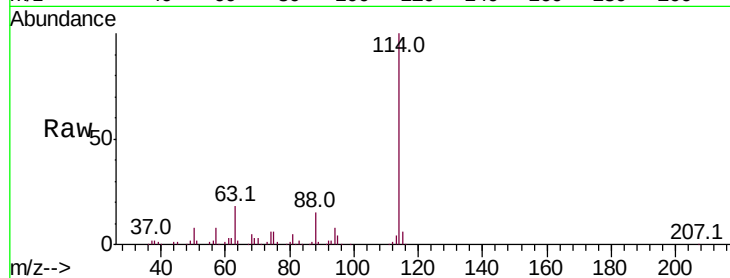
Tot Ion:114 Resp: 184088

Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.6

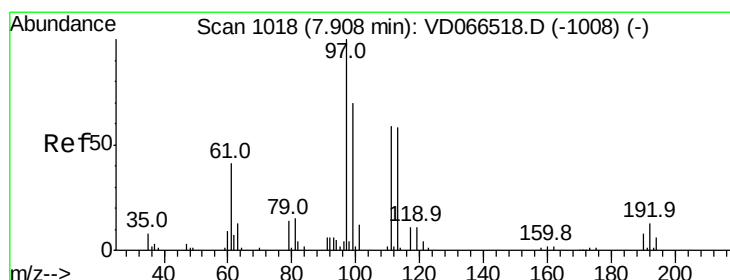
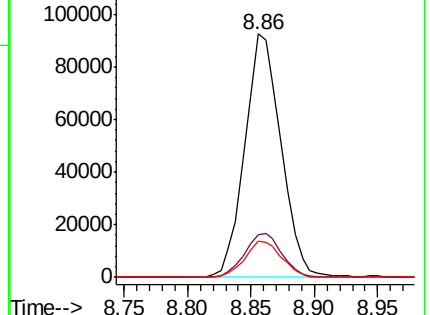
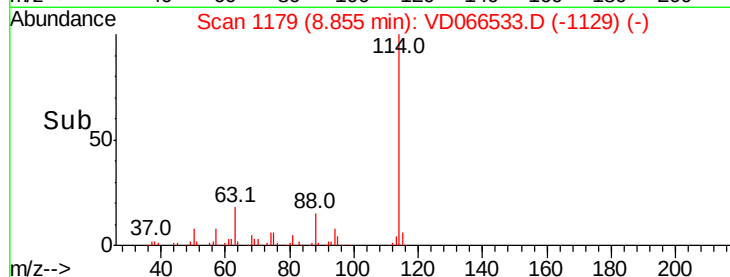
88 14.8 0.0 33.6



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: 51.000 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066533.D

Acq: 02 Sep 2020 20:00

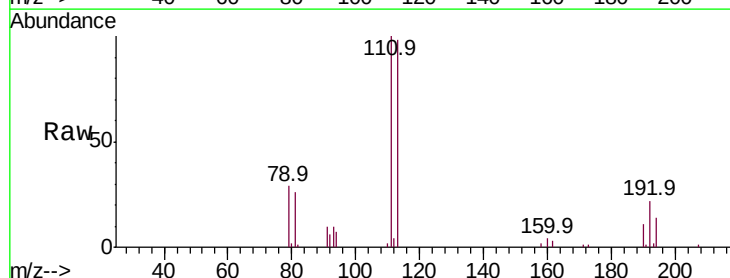
Tgt Ion:113 Resp: 56467

Ion Ratio Lower Upper

113 100

111 102.1 82.5 123.7

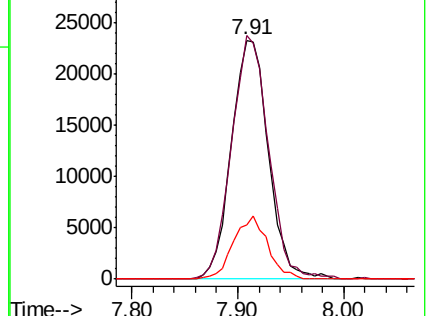
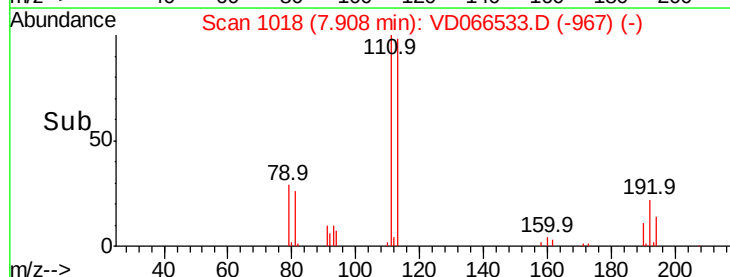
192 24.3 20.7 31.1

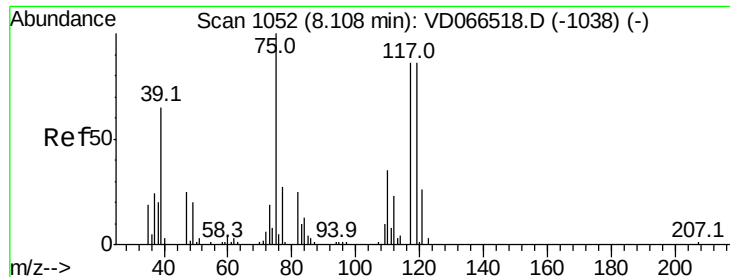


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.581 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066533.D

Acq: 02 Sep 2020 20:00

Instrument :

MSVOA_D

ClientSampled :

1447

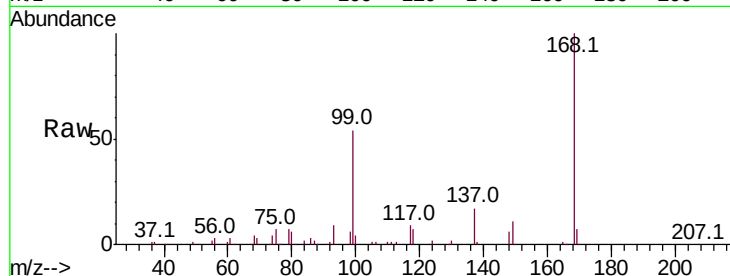
Tot Ion: 75 Resp: 9006

Ion Ratio Lower Upper

75 100

110 13.5 18.4 55.2#

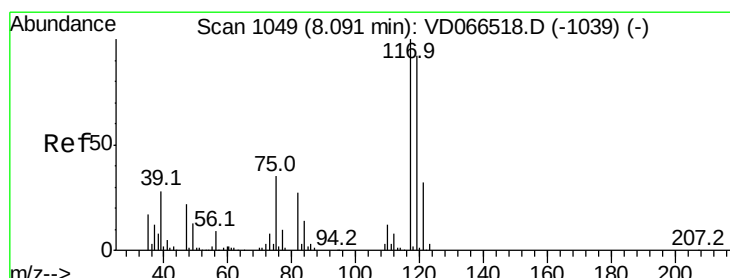
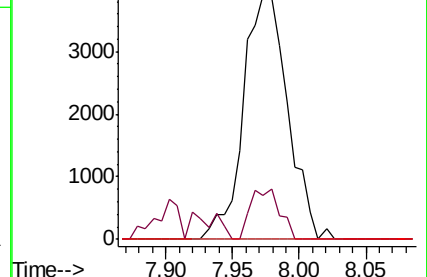
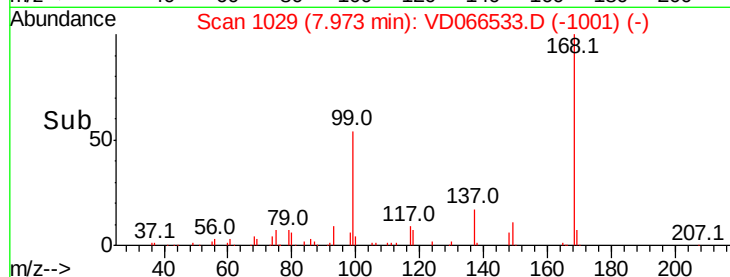
77 0.0 24.6 36.8#



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: 5.043 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.12 min

Lab File: VD066533.D

Acq: 02 Sep 2020 20:00

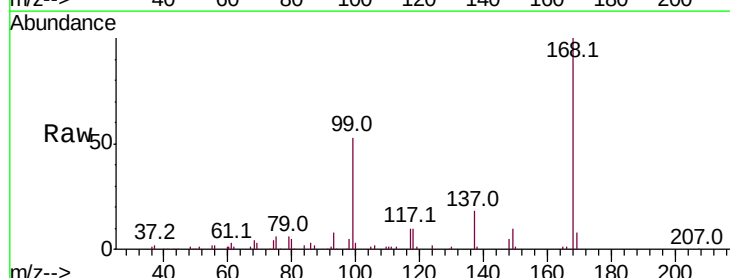
Tgt Ion: 117 Resp: 12397

Ion Ratio Lower Upper

117 100

119 7.2 73.9 110.9#

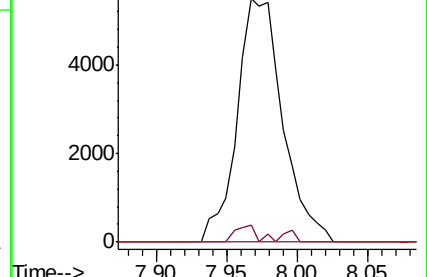
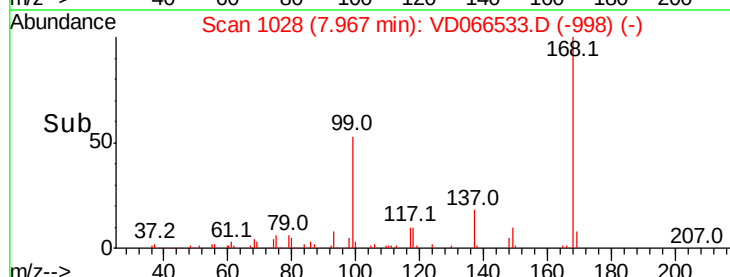
121 0.0 25.6 38.4#

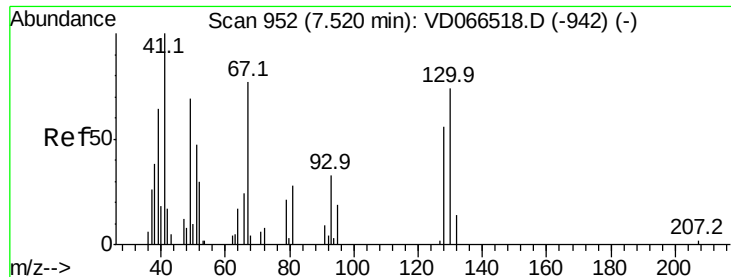


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

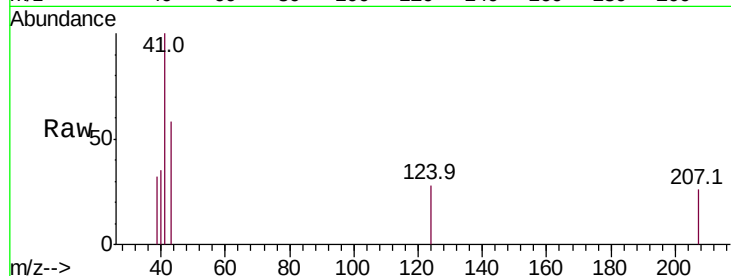




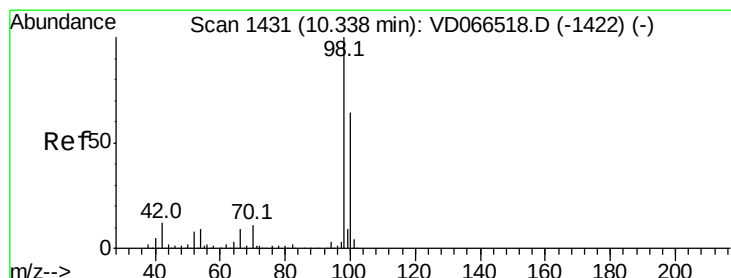
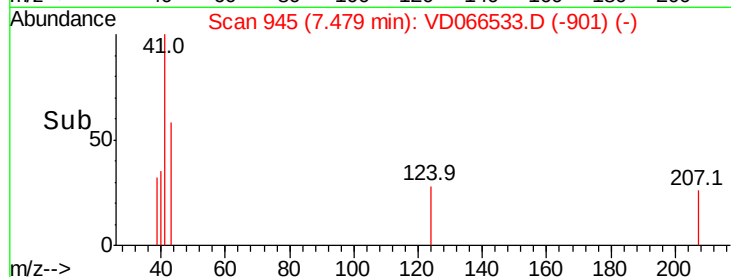
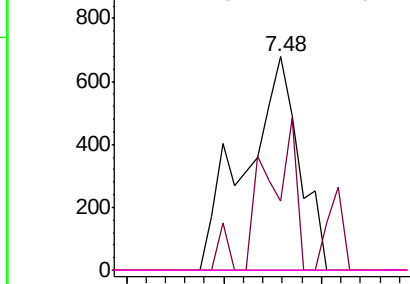
#41
Methacrylonitrile
Concen: 5.162 ug/l
RT: 7.48 min Scan# 945
Delta R.T. -0.04 min
Lab File: VD066533.D
Acq: 02 Sep 2020 20:00

Instrument :
MSVOA_D
ClientSampleId :
1447

Tot Ion: 41 Resp: 1301
Ion Ratio Lower Upper
41 100
39 40.7 0.0 0.0#
67 0.0 85.0 127.4#
52 0.0 38.8 58.2#

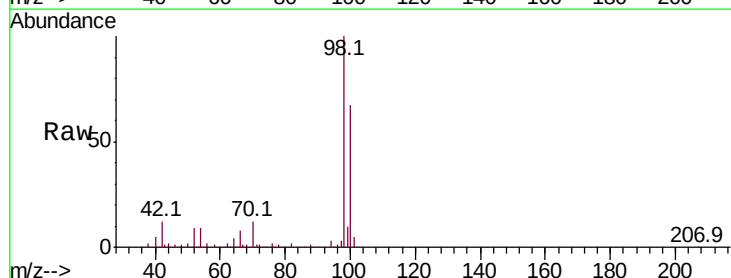


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

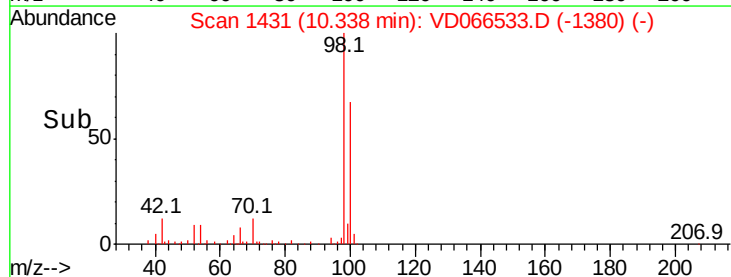
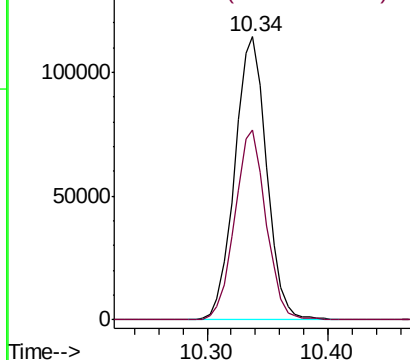


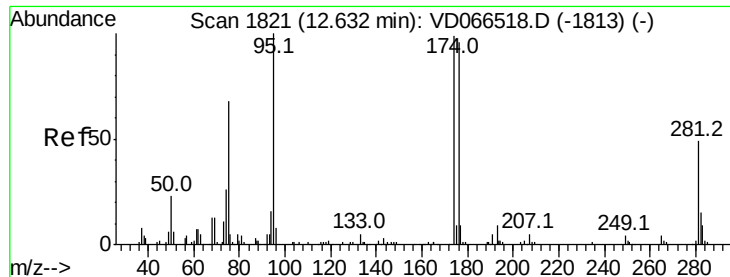
#50
Toluene-d8
Concen: 50.650 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066533.D
Acq: 02 Sep 2020 20:00

Tgt Ion: 98 Resp: 210576
Ion Ratio Lower Upper
98 100
100 65.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 45.780 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066533.D

Acq: 02 Sep 2020 20:00

Instrument :

MSVOA_D

ClientSampled :

1447

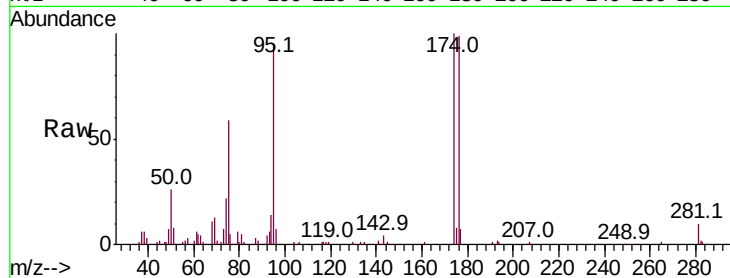
Tot Ion: 95 Resp: 67846

Ion Ratio Lower Upper

95 100

174 103.1 0.0 203.2

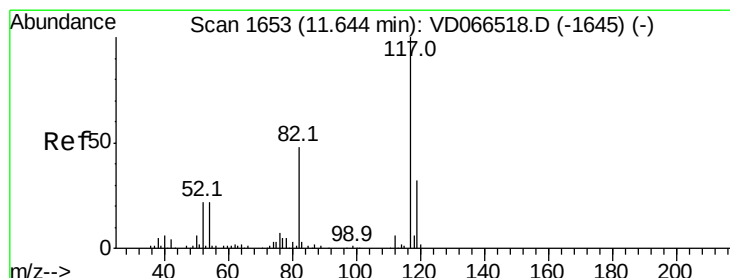
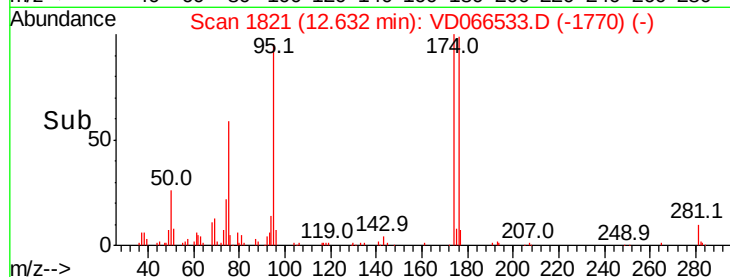
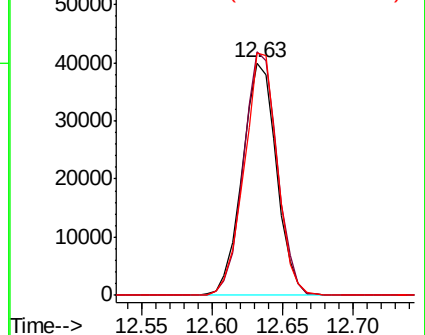
176 100.3 0.0 198.6



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: VD066533.D

Acq: 02 Sep 2020 20:00

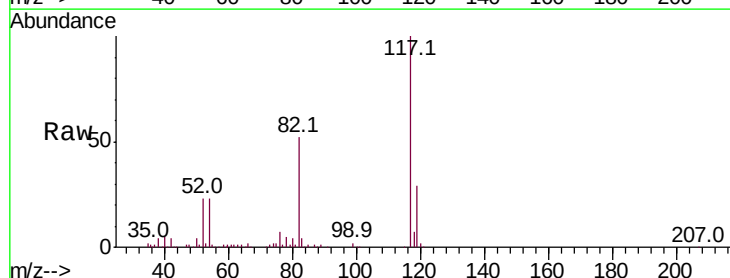
Tgt Ion: 117 Resp: 166765

Ion Ratio Lower Upper

117 100

82 52.2 38.5 57.7

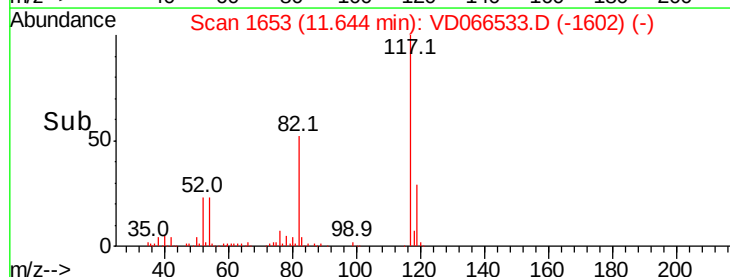
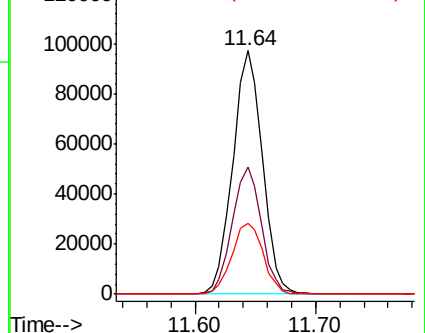
119 29.3 25.9 38.9

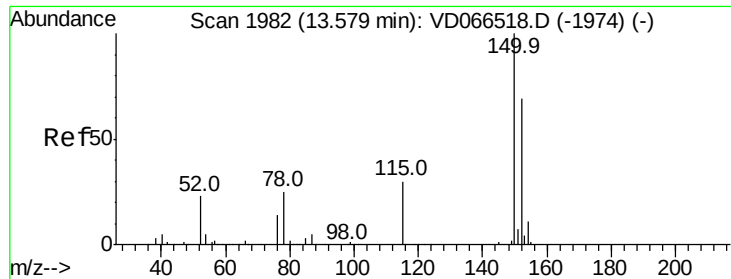


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



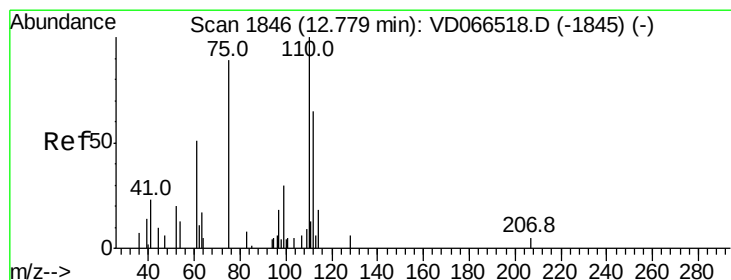
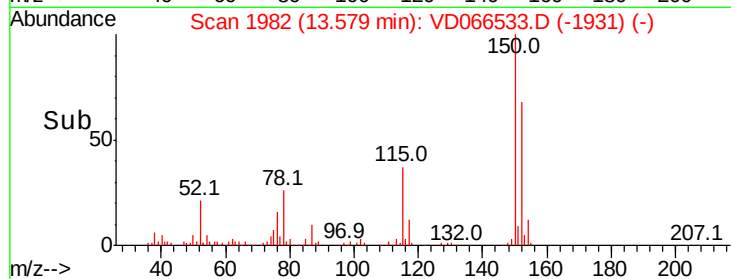
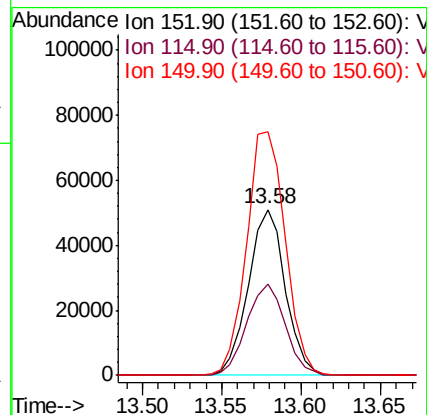
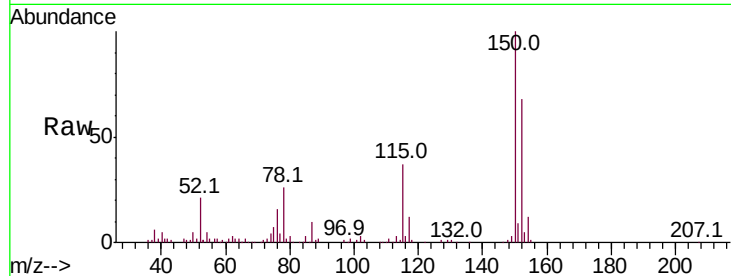


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066533.D
Acq: 02 Sep 2020 20:00

Instrument :
MSVOA_D
ClientSampleId :
1447

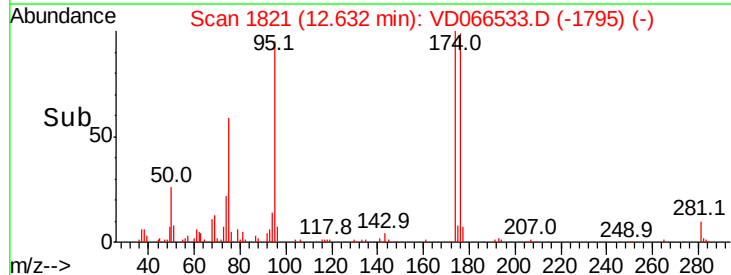
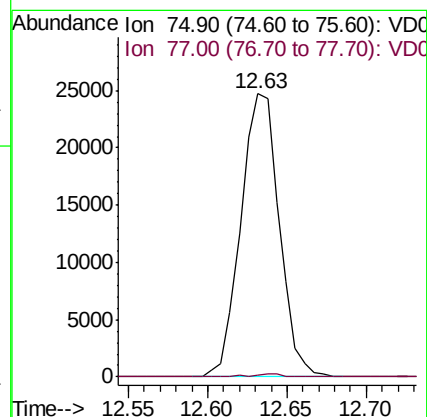
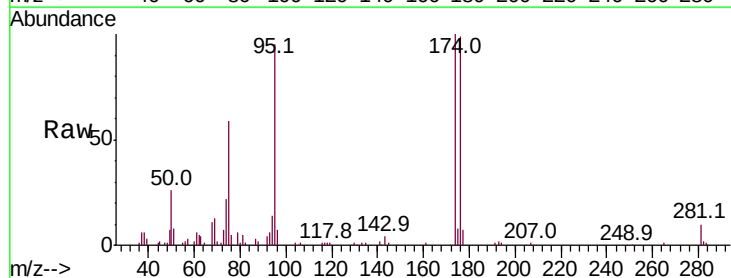
Tot Ion:152 Resp: 82700
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.8
150 153.4 0.0 339.6

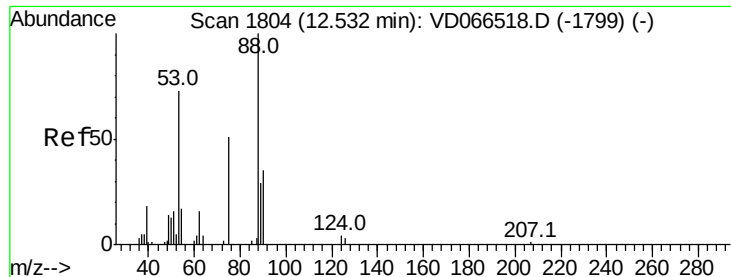


#76

1,2,3-Trichloropropane
Concen: 79.808 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066533.D
Acq: 02 Sep 2020 20:00

Tgt Ion: 75 Resp: 41519
Ion Ratio Lower Upper
75 100
77 0.7 196.9 590.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 177.725 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066533.D

Acq: 02 Sep 2020 20:00

Instrument :

MSVOA_D

ClientSampleId :

1447

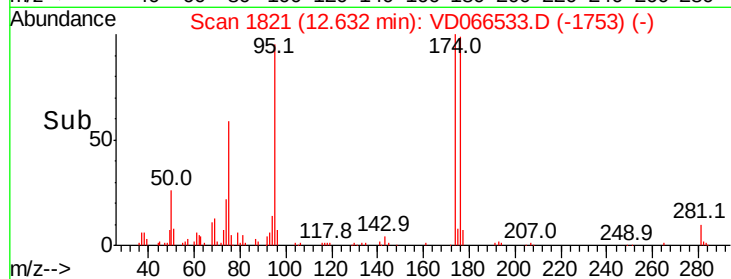
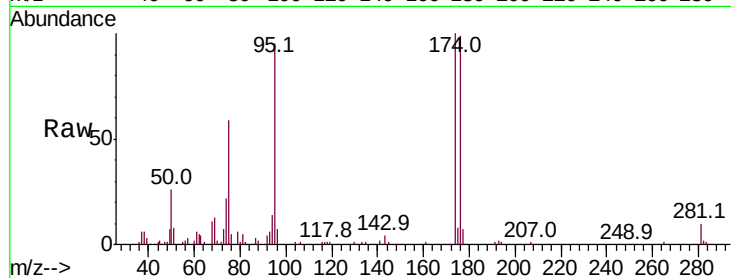
Tot Ion: 75 Resp: 41519

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.8#

89 0.0 46.0 69.0#



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

