

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066592.D
 Acq On : 09 Sep 2020 19:22
 Operator : VA/SY
 Sample : L3919-13
 Misc : 6.61G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-14

Quant Time: Sep 10 01:41:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	326829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	625185	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	592936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	255237	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	238626	60.35	ug/l	0.00
Spiked Amount			Recovery	=	120.70%	
35) Dibromofluoromethane	7.91	113	224275	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
50) Toluene-d8	10.34	98	789684	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.63	95	255677	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	

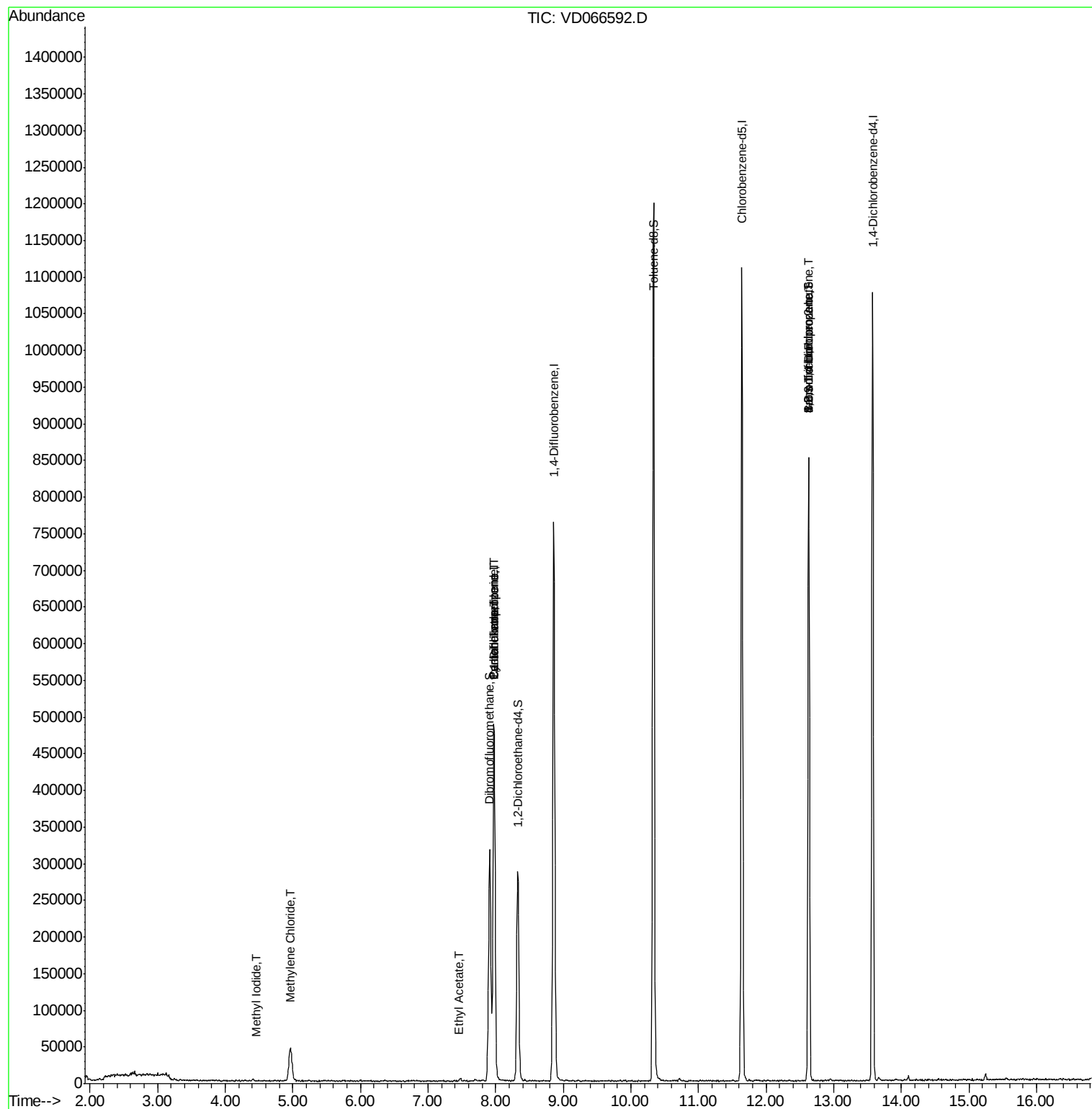
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	161	Below Cal	#	46
5) Bromomethane	2.77	94	304	Below Cal	#	53
10) Methyl Iodide	4.46	142	66	4.041	ug/l #	35
11) Tert butyl alcohol	5.20	59	57	Below Cal	#	74
20) Methylene Chloride	4.96	84	34620	2.435	ug/l	93
31) Cyclohexane	7.97	56	8839	1.370	ug/l #	40
36) 1,1-Dichloropropene	7.98	75	30259	4.651	ug/l #	50
37) Ethyl Acetate	7.46	43	3042	1.174	ug/l #	71
38) Carbon Tetrachloride	7.97	117	38077	5.537	ug/l #	19
71) Bromoform	12.63	173	2516	1.069	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	148962	60.684	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	148962	141.677	ug/l #	7

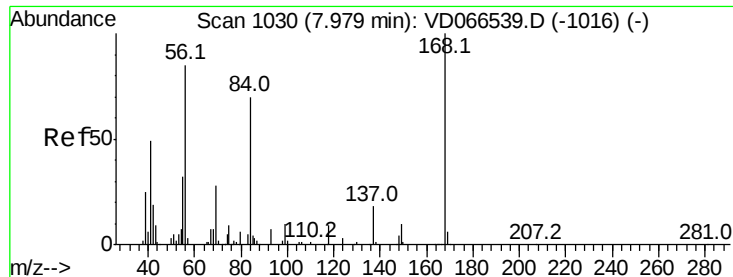
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066592.D

Acq: 09 Sep 2020 19:22

Instrument :

MSVOA_D

ClientSampleId :

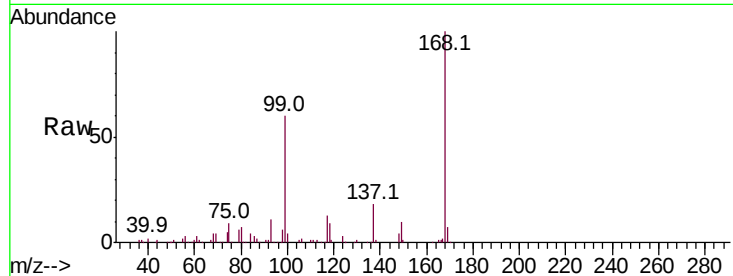
TP-14

Tot Ion:168 Resp: 326829

Ion Ratio Lower Upper

168 100

99 59.7 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

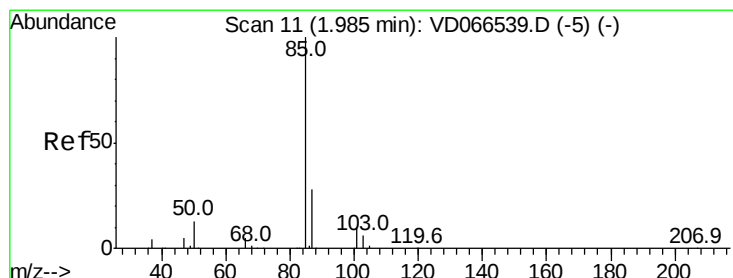
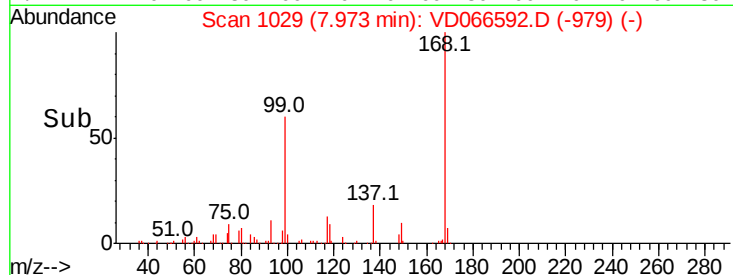
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066592.D

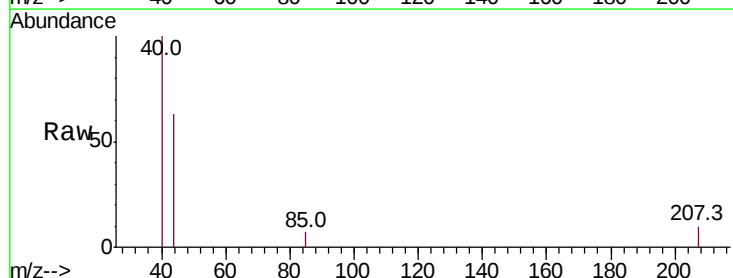
Acq: 09 Sep 2020 19:22

Tgt Ion: 85 Resp: 161

Ion Ratio Lower Upper

85 100

87 0.0 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

250

200

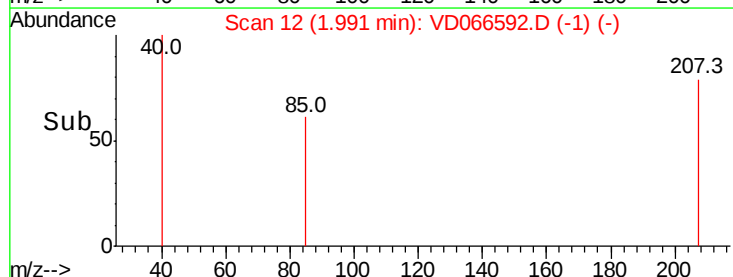
150

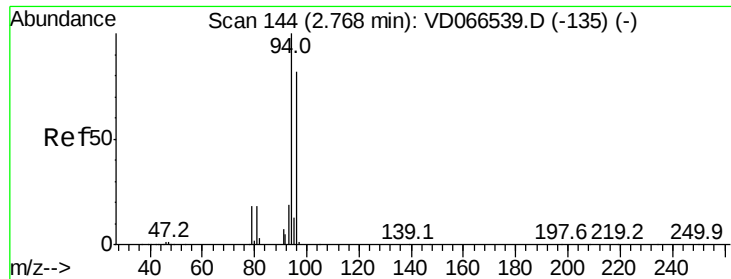
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066592.D

Acq: 09 Sep 2020 19:22

Instrument :

MSVOA_D

ClientSampled :

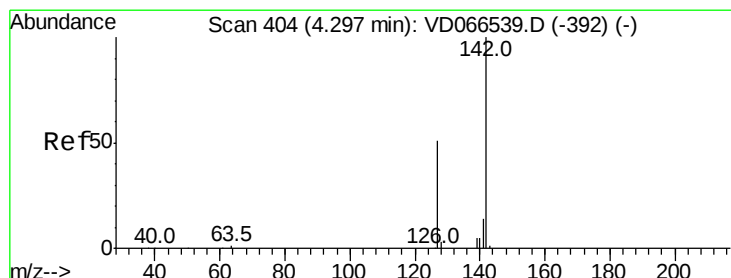
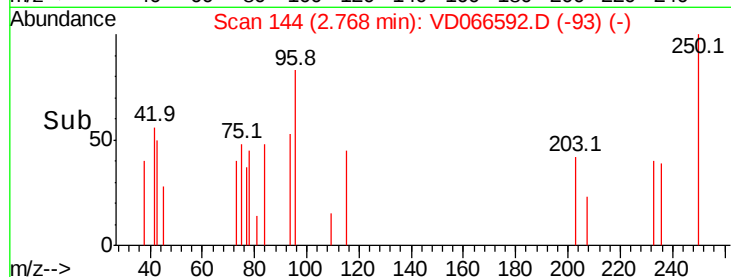
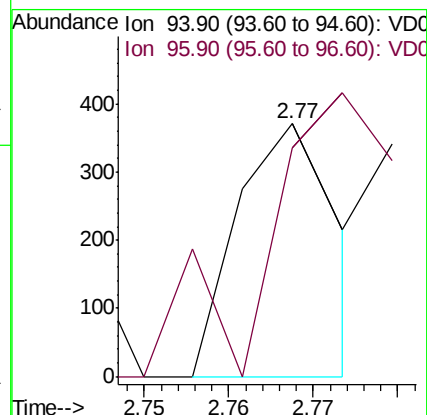
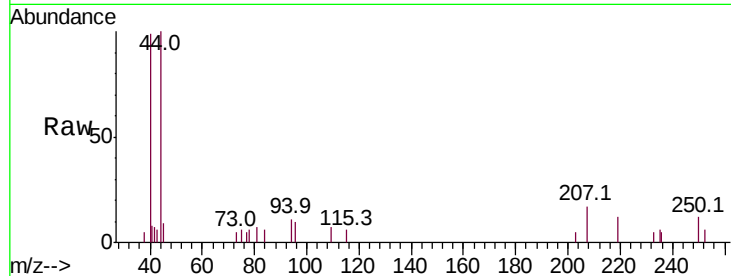
TP-14

Tot Ion: 94 Resp: 304

Ion Ratio Lower Upper

94 100

96 39.9 65.2 97.8#



#10

Methyl Iodide

Concen: 4.041 ug/l

RT: 4.46 min Scan# 431

Delta R.T. 0.16 min

Lab File: VD066592.D

Acq: 09 Sep 2020 19:22

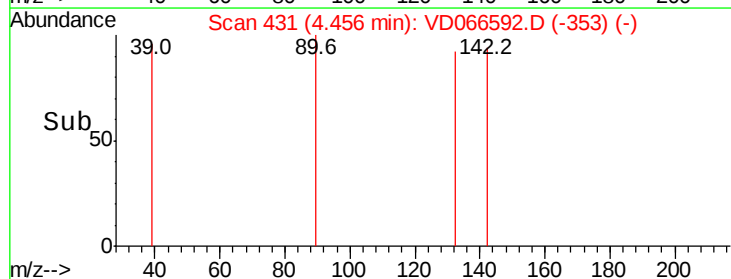
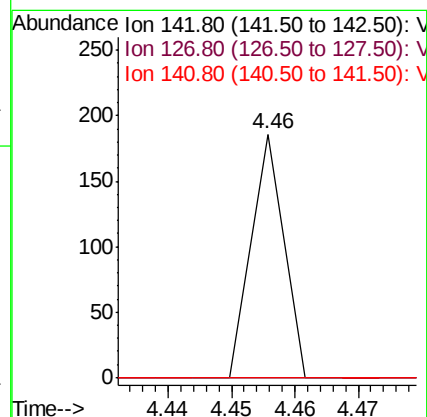
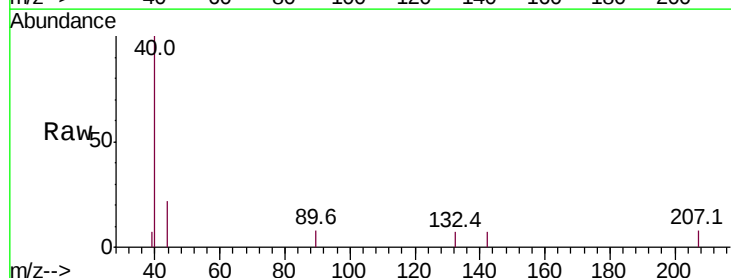
Tgt Ion: 142 Resp: 66

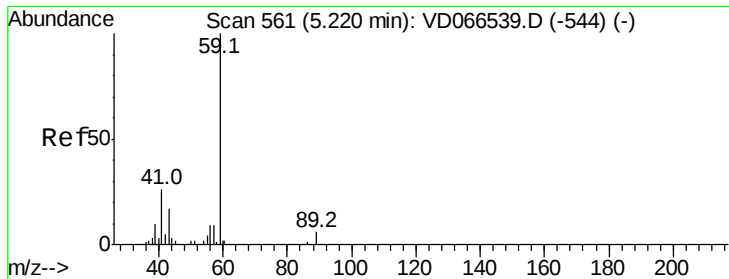
Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

141 0.0 12.2 18.4#



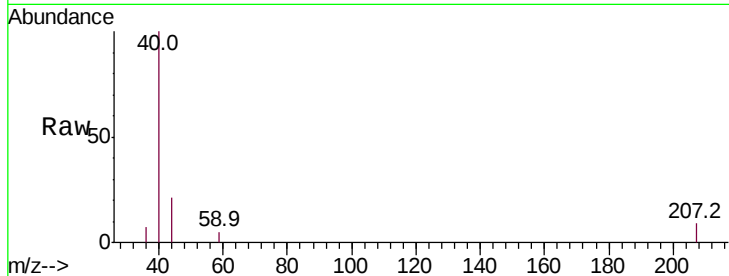


#11

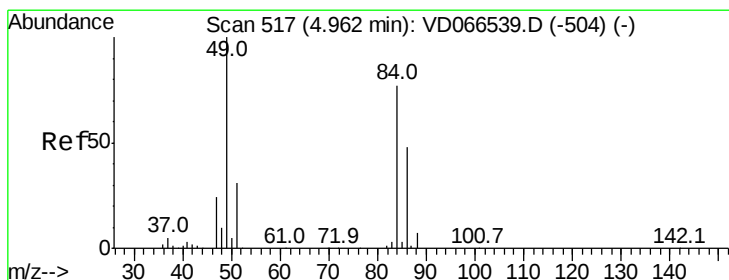
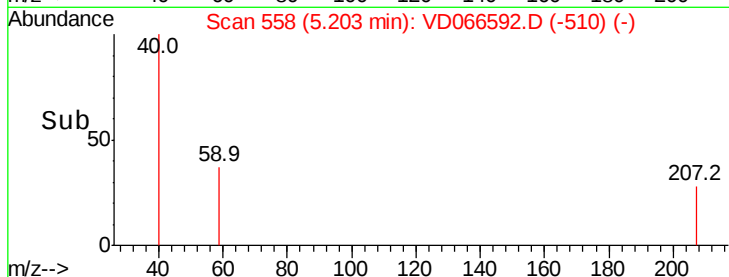
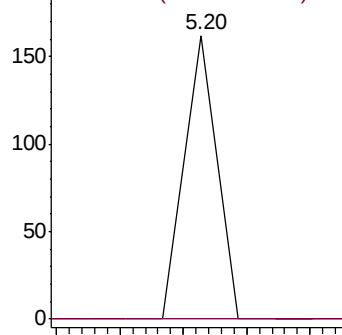
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD066592.D
Acq: 09 Sep 2020 19:22

Instrument :
MSVOA_D
ClientSampleId :
TP-14

Tot Ion: 59 Resp: 57
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#



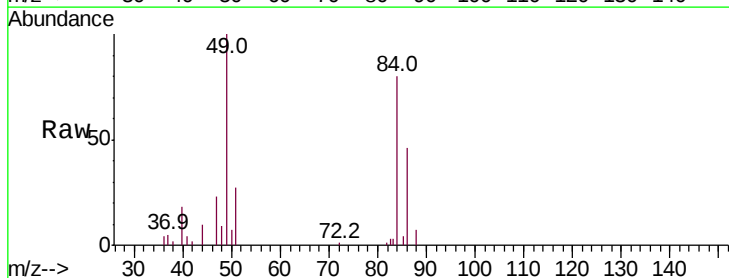
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



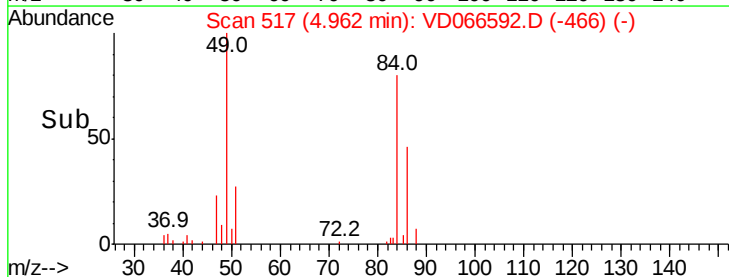
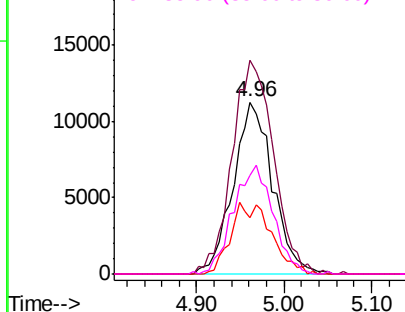
#20

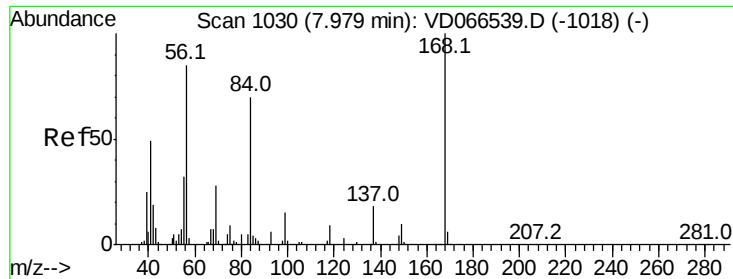
Methylene Chloride
Concen: 2.435 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066592.D
Acq: 09 Sep 2020 19:22

Tgt Ion: 84 Resp: 34620
Ion Ratio Lower Upper
84 100
49 124.4 104.3 156.5
51 33.1 32.2 48.4
86 57.5 50.0 75.0



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

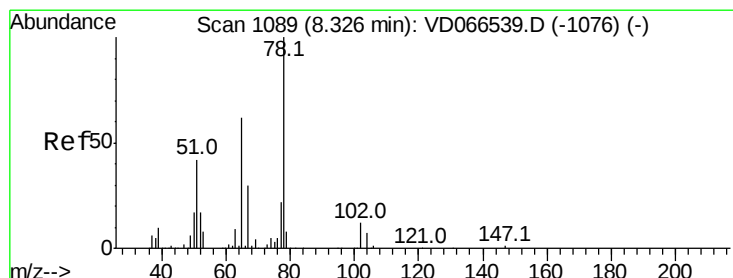
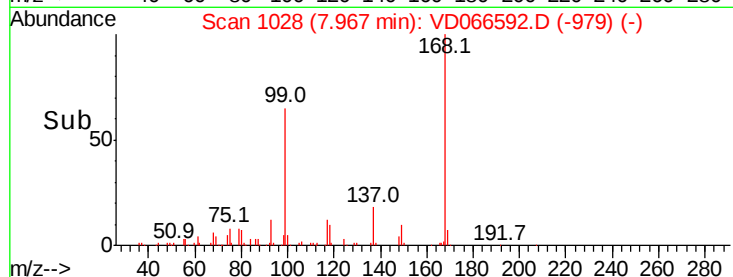
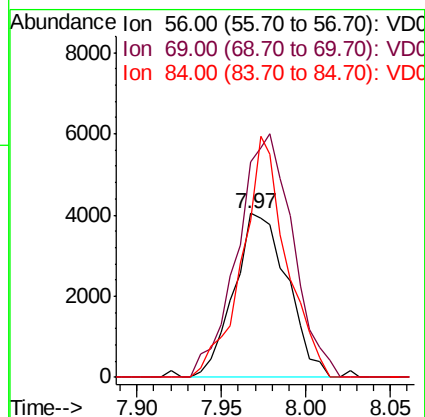
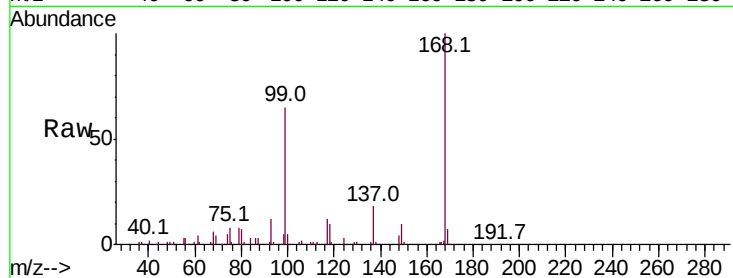




#31
Cyclohexane
Concen: 1.370 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD066592.D
Acq: 09 Sep 2020 19:22

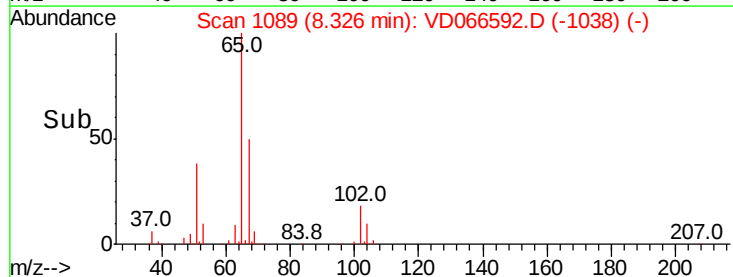
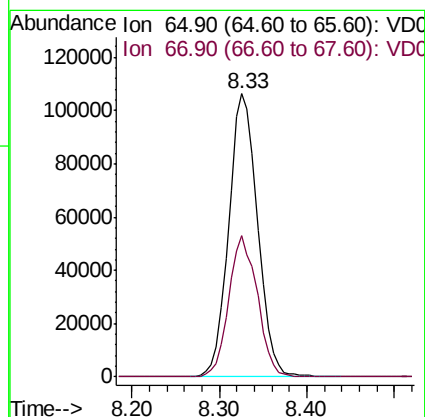
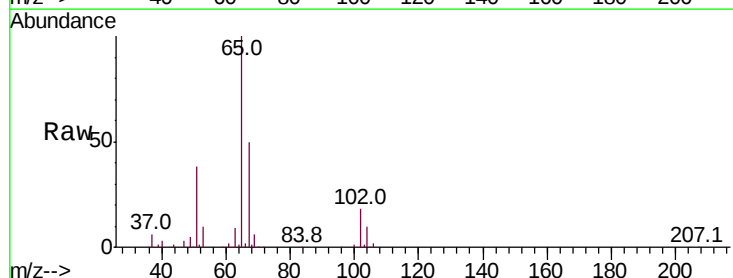
Instrument :
MSVOA_D
ClientSampled :
TP-14

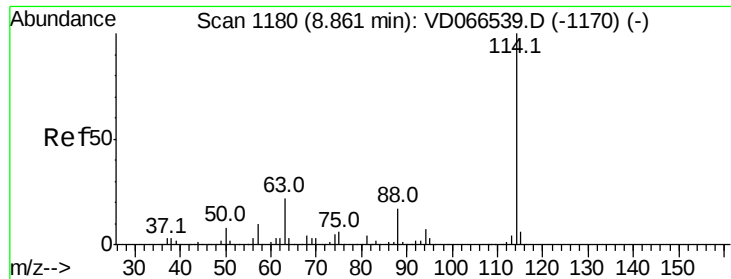
Tot Ion: 56 Resp: 8839
Ion Ratio Lower Upper
56 100
69 131.5 26.3 39.5#
84 95.5 66.1 99.1



#33
1,2-Dichloroethane-d4
Concen: 60.346 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066592.D
Acq: 09 Sep 2020 19:22

Tgt Ion: 65 Resp: 238626
Ion Ratio Lower Upper
65 100
67 49.5 0.0 102.8

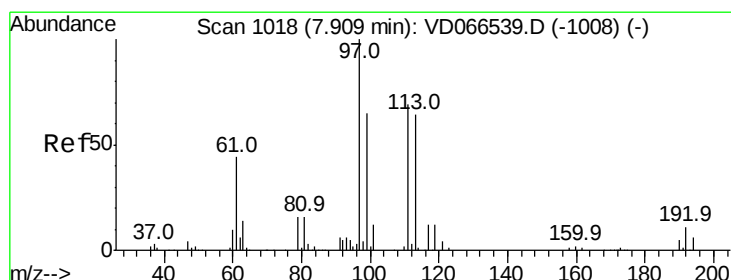
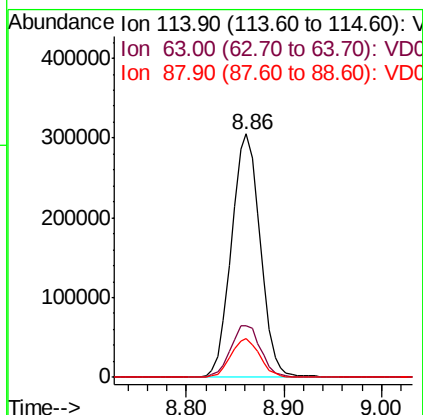
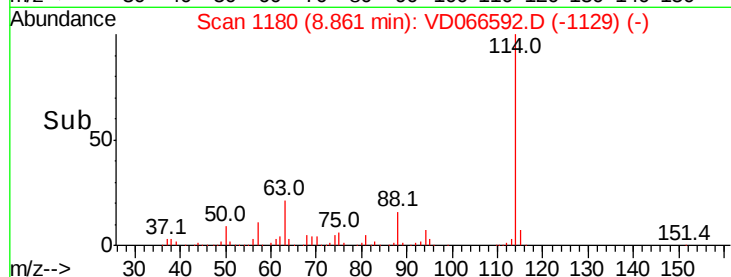
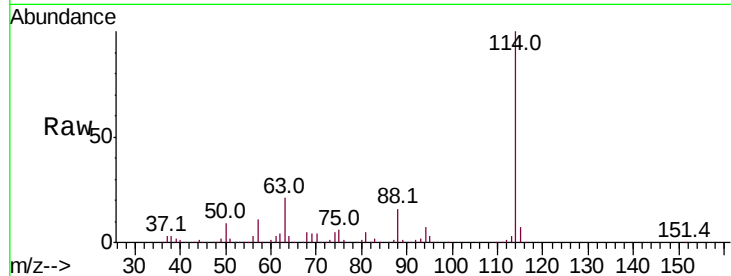




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066592.D
 Acq: 09 Sep 2020 19:22

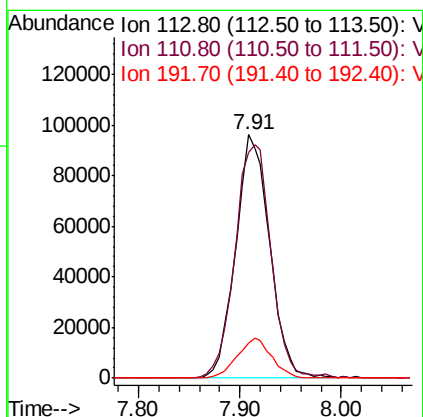
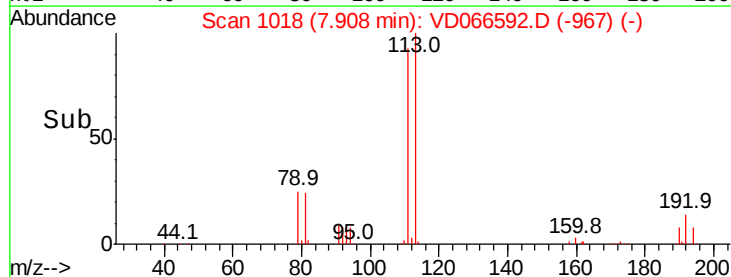
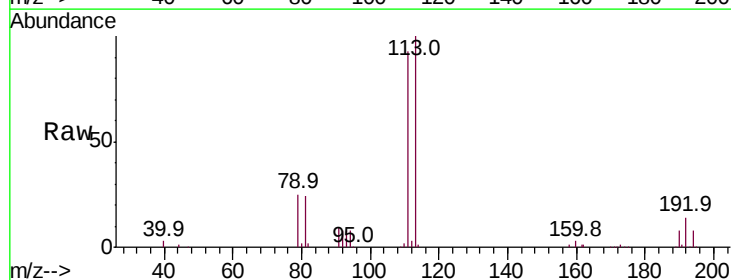
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-14

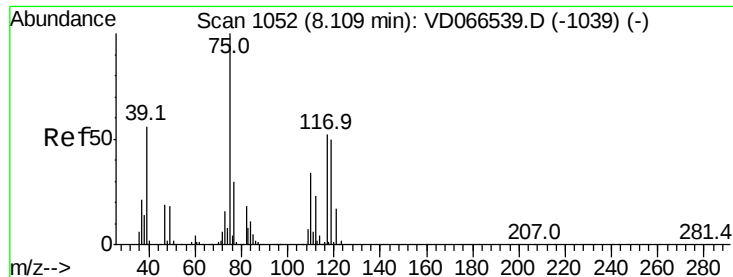
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.2
88	15.9	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 53.177 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD066592.D
 Acq: 09 Sep 2020 19:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.2	124.8
192	16.5	13.7	20.5





#36

1,1-Dichloropropene

Concen: 4.651 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066592.D

Acq: 09 Sep 2020 19:22

Instrument :

MSVOA_D

ClientSampled :

TP-14

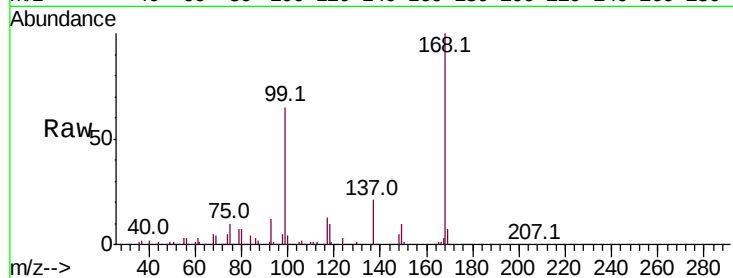
Tot Ion: 75 Resp: 30259

Ion Ratio Lower Upper

75 100

110 9.5 17.3 52.0#

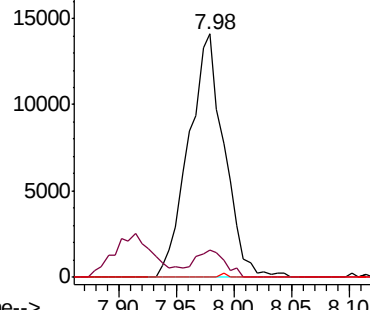
77 0.3 25.1 37.7#



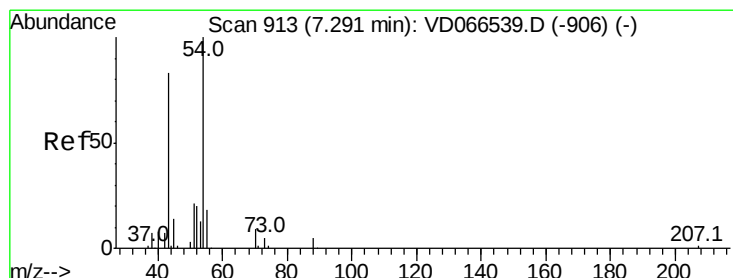
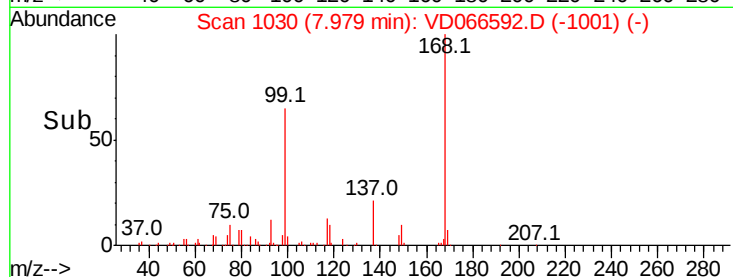
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



Time-->



#37

Ethyl Acetate

Concen: 1.174 ug/l

RT: 7.46 min Scan# 941

Delta R.T. 0.16 min

Lab File: VD066592.D

Acq: 09 Sep 2020 19:22

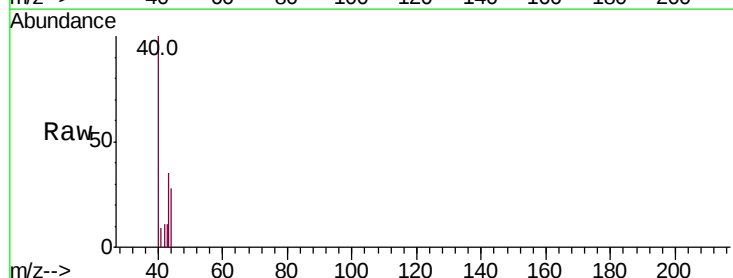
Tgt Ion: 43 Resp: 3042

Ion Ratio Lower Upper

43 100

61 1.9 11.8 17.8#

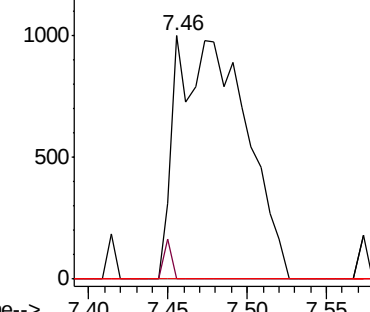
70 0.0 7.9 11.9#



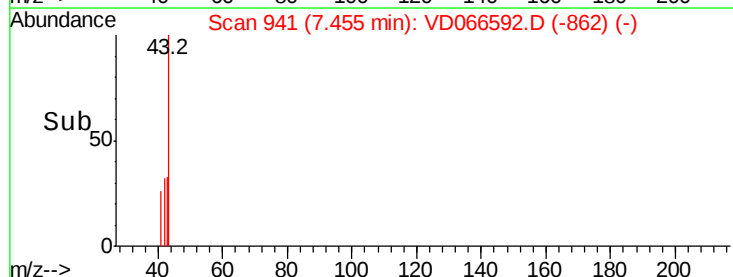
Abundance Ion 43.00 (42.70 to 43.70): VDC

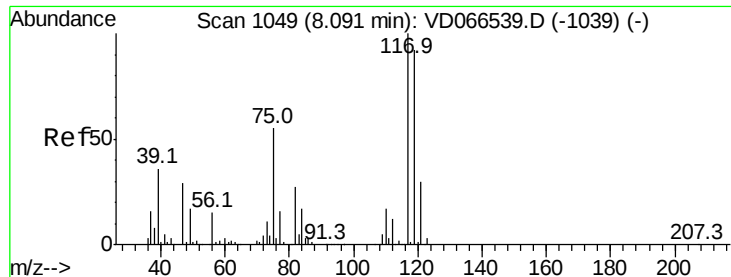
Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



Time-->





#38

Carbon Tetrachloride

Concen: 5.537 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066592.D

Acq: 09 Sep 2020 19:22

Instrument :

MSVOA_D

ClientSampleId :

TP-14

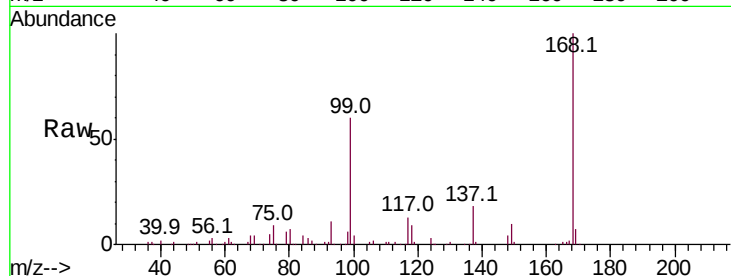
Tot Ion:117 Resp: 38077

Ion Ratio Lower Upper

117 100

119 6.7 73.9 110.9#

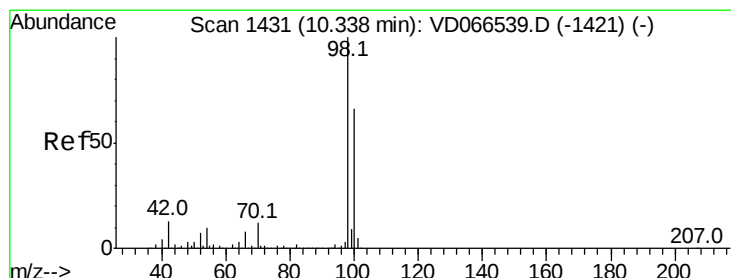
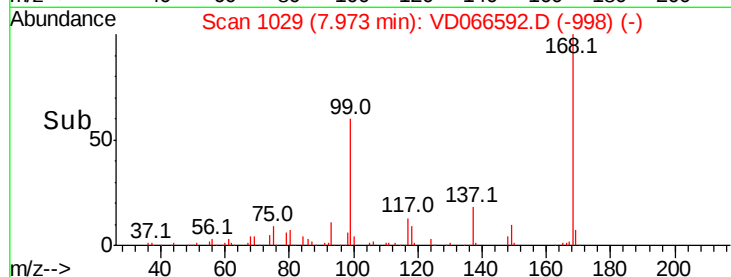
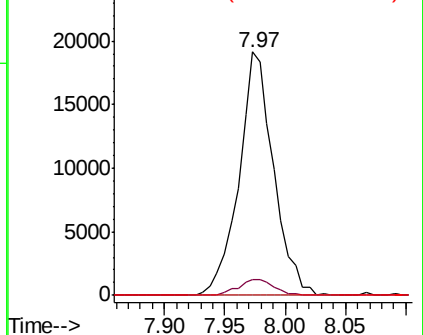
121 0.0 24.1 36.1#



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: 52.387 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066592.D

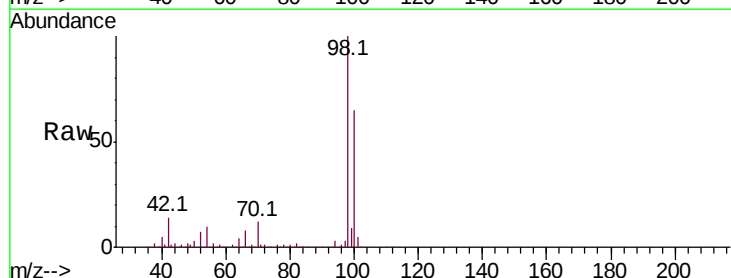
Acq: 09 Sep 2020 19:22

Tgt Ion: 98 Resp: 789684

Ion Ratio Lower Upper

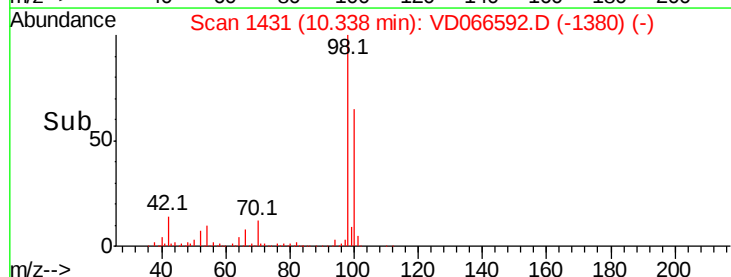
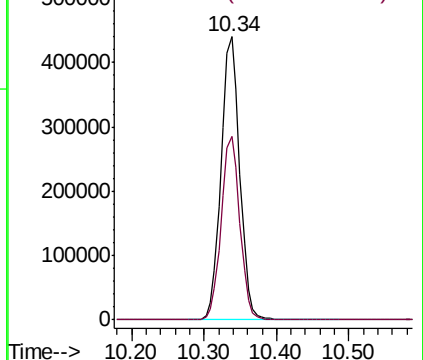
98 100

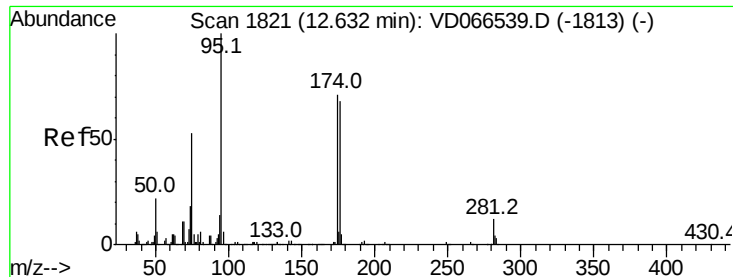
100 64.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 51.151 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066592.D

Acq: 09 Sep 2020 19:22

Instrument :

MSVOA_D

ClientSampleId :

TP-14

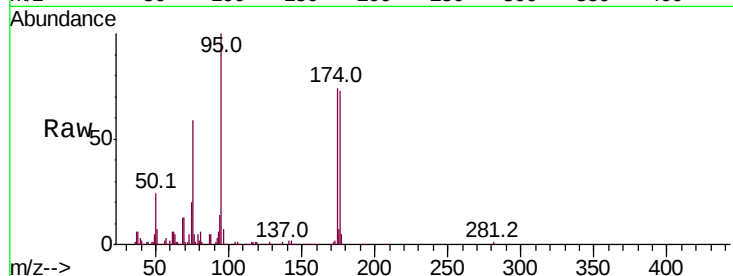
Tot Ion: 95 Resp: 255677

Ion Ratio Lower Upper

95 100

174 76.6 0.0 155.8

176 72.5 0.0 148.6



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

12.63

200000

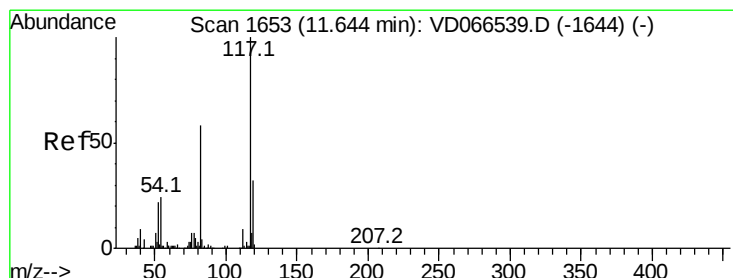
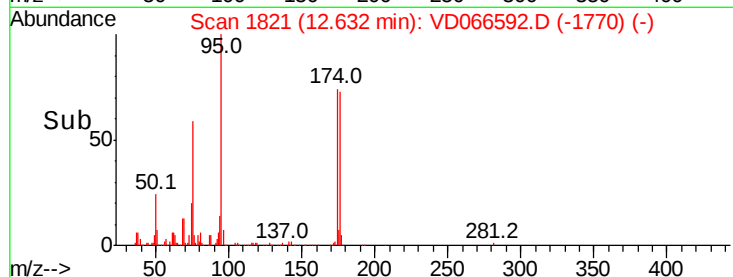
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066592.D

Acq: 09 Sep 2020 19:22

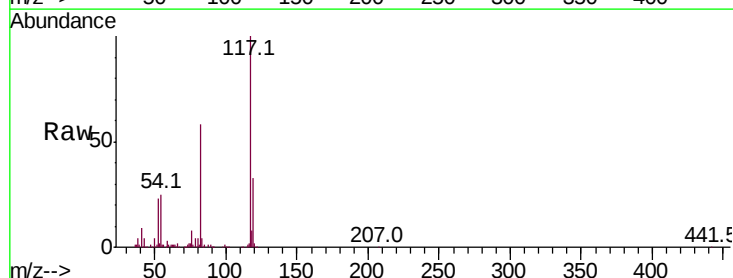
Tgt Ion: 117 Resp: 592936

Ion Ratio Lower Upper

117 100

82 58.3 46.2 69.2

119 32.7 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

11.64

400000

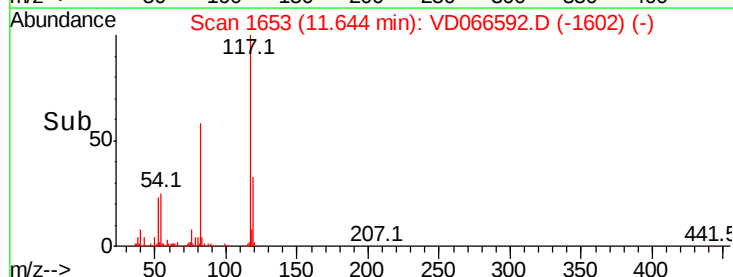
300000

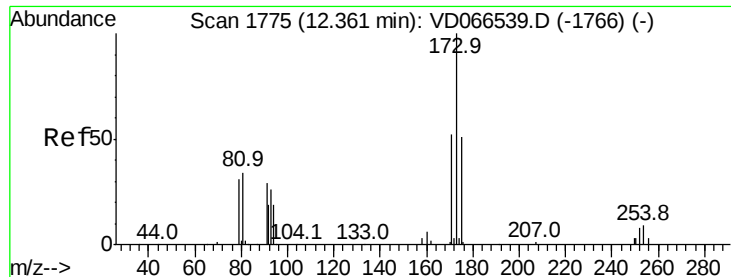
200000

100000

0

Time-->





#71

Bromoform

Concen: 1.069 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD066592.D

Acq: 09 Sep 2020 19:22

Instrument :

MSVOA_D

ClientSampleId :

TP-14

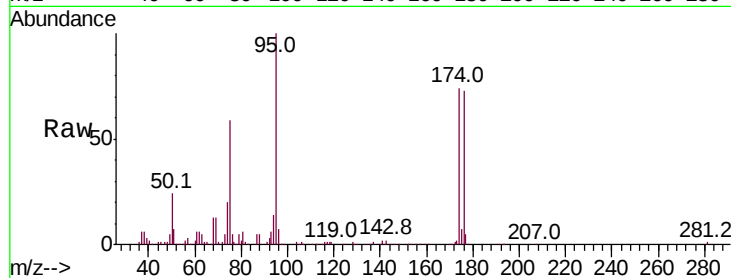
Tot Ion:173 Resp: 2516

Ion Ratio Lower Upper

173 100

175 479.8 24.2 72.6#

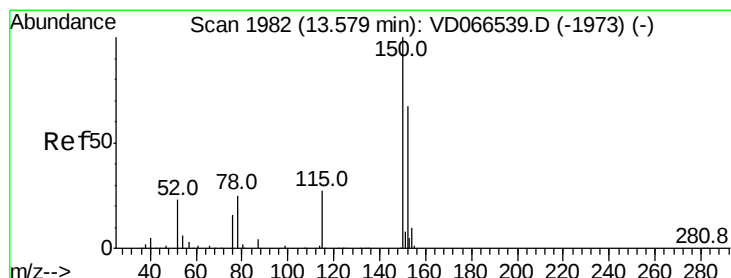
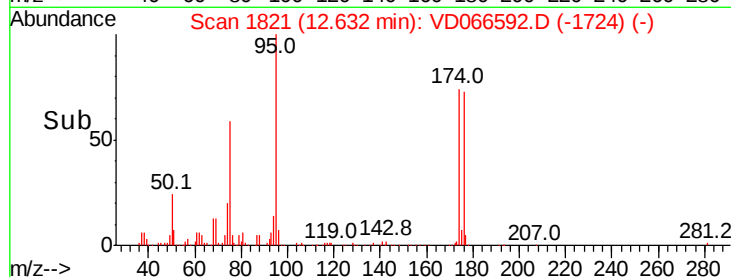
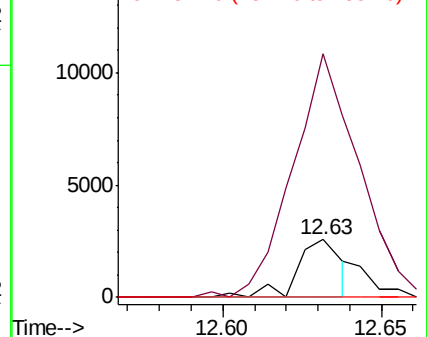
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VD066592.D

Acq: 09 Sep 2020 19:22

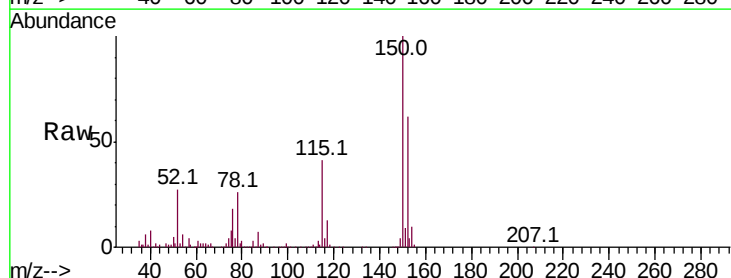
Tgt Ion:152 Resp: 255237

Ion Ratio Lower Upper

152 100

115 63.7 30.4 91.2

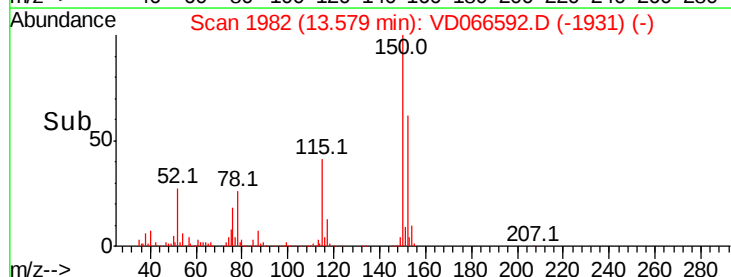
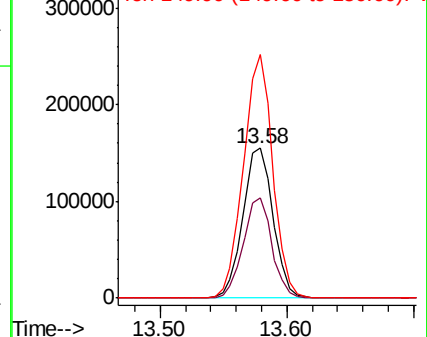
150 157.8 0.0 345.8

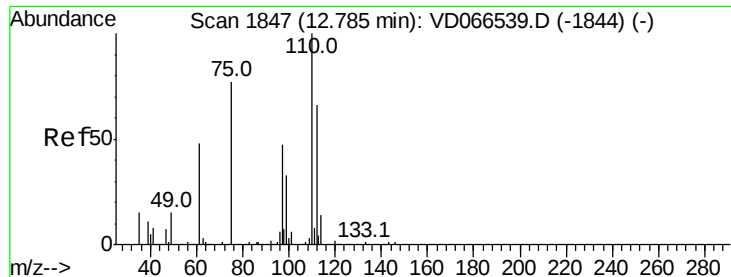


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 60.684 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066592.D

Acq: 09 Sep 2020 19:22

Instrument :

MSVOA_D

ClientSampled :

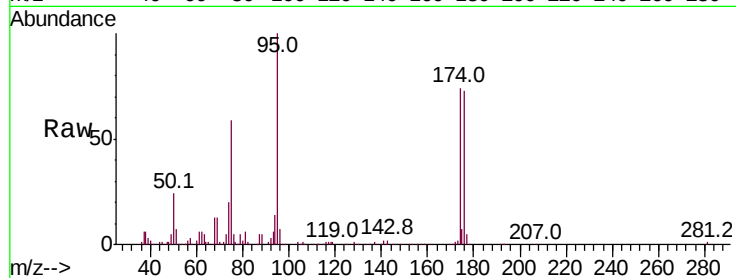
TP-14

Tot Ion: 75 Resp: 148962

Ion Ratio Lower Upper

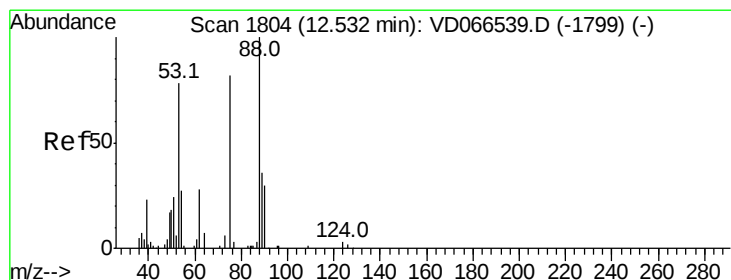
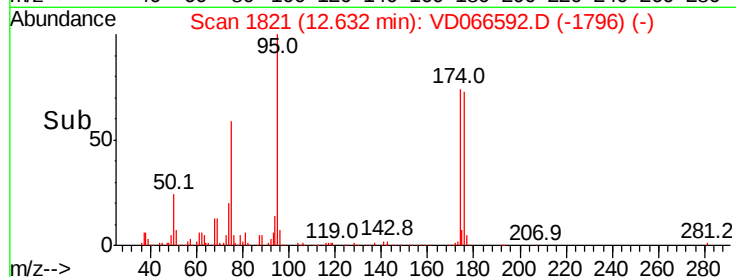
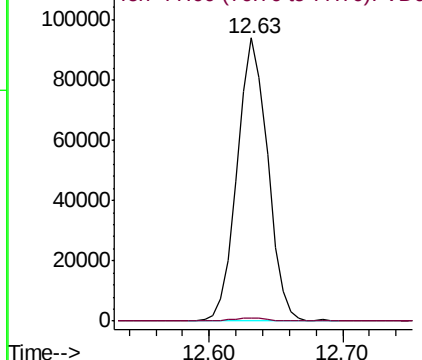
75 100

77 1.4 0.0 0.0#



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: 141.677 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066592.D

Acq: 09 Sep 2020 19:22

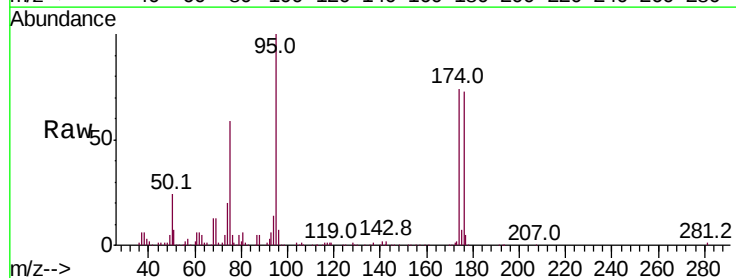
Tgt Ion: 75 Resp: 148962

Ion Ratio Lower Upper

75 100

53 0.1 87.0 130.4#

89 0.0 37.1 55.7#



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

