

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066589.D
 Acq On : 09 Sep 2020 17:59
 Operator : VA/SY
 Sample : L3919-04
 Misc : 7.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-11

Quant Time: Sep 10 01:41:24 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	333755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	633866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	602022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258286	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	235243	58.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.52%	
35) Dibromofluoromethane	7.91	113	223426	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
50) Toluene-d8	10.34	98	789452	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.63	95	257934	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	

Target Compounds

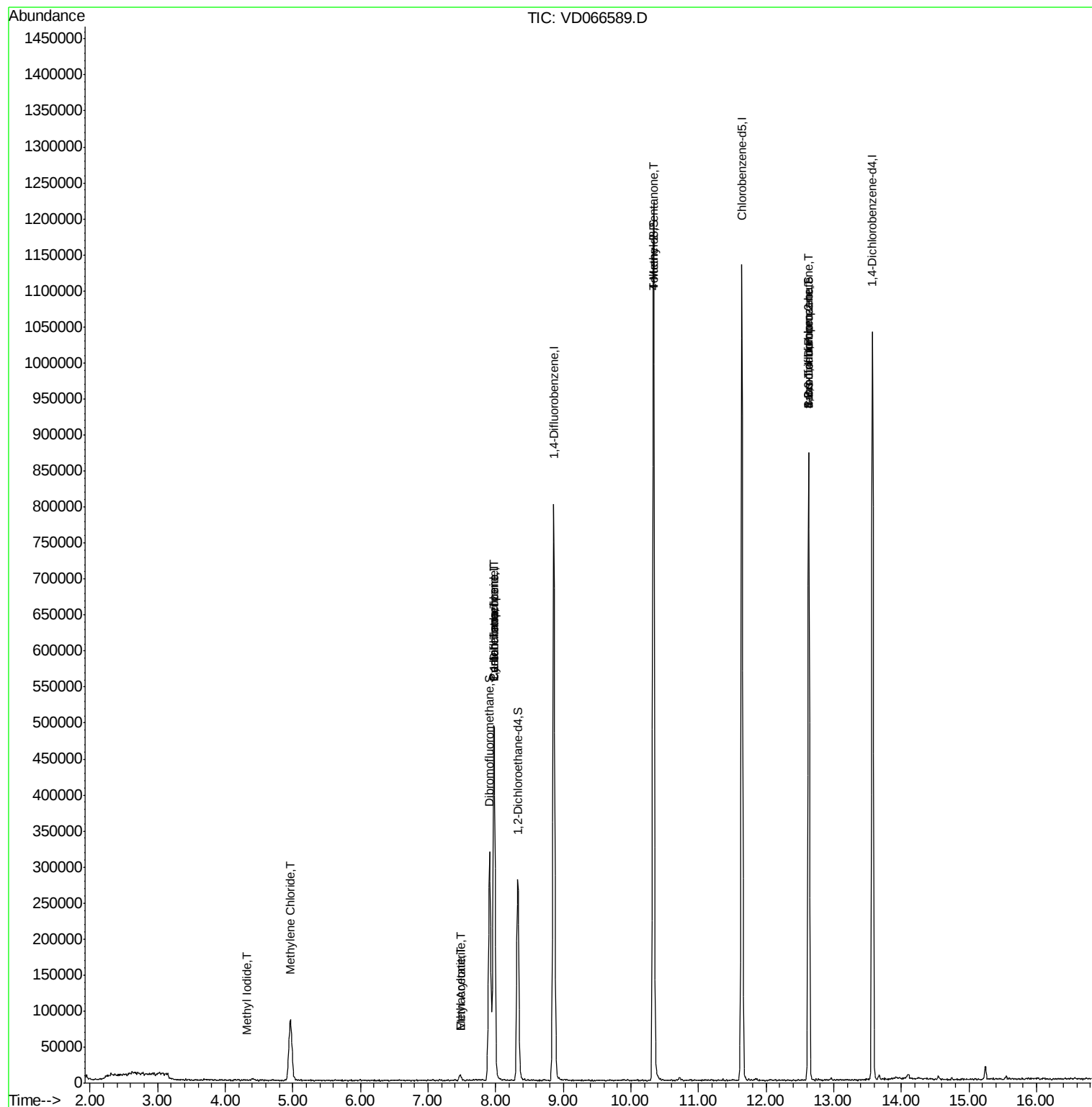
						Qvalue
2) Dichlorodifluoromethane	1.99	85	130	Below Cal	#	46
5) Bromomethane	2.77	94	138	Below Cal	#	1
10) Methyl Iodide	4.31	142	71	4.042	ug/l #	35
11) Tert butyl alcohol	5.23	59	54	Below Cal	#	74
20) Methylene Chloride	4.96	84	65169	10.922	ug/l	97
31) Cyclohexane	7.97	56	9313	1.414	ug/l #	35
36) 1,1-Dichloropropene	7.97	75	32584	4.940	ug/l #	51
37) Ethyl Acetate	7.48	43	6964	2.651	ug/l #	68
38) Carbon Tetrachloride	7.98	117	38511	5.523	ug/l #	19
41) Methacrylonitrile	7.48	41	4149	3.263	ug/l #	46
51) 4-Methyl-2-Pentanone	10.34	43	4581	1.804	ug/l #	1
71) Bromoform	12.63	173	2806	1.174	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	149798	60.305	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	149798	140.790	ug/l #	7

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090920\
Data File : VD066589.D
Acq On : 09 Sep 2020 17:59
Operator : VA/SY
Sample : L3919-04
Misc : 7.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-11

Quant Time: Sep 10 01:41:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
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: VD066589.D

Acq: 09 Sep 2020 17:59

Instrument :

MSVOA_D

ClientSampleId :

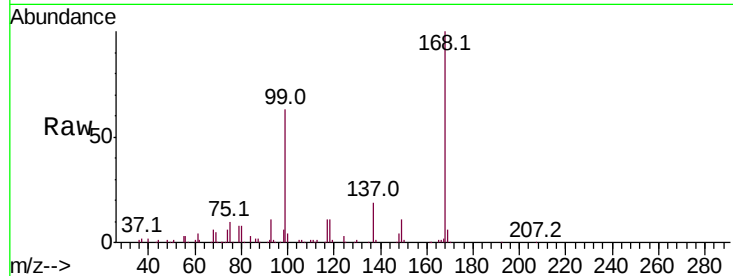
TP-11

Tot Ion:168 Resp: 333755

Ion Ratio Lower Upper

168 100

99 63.2 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

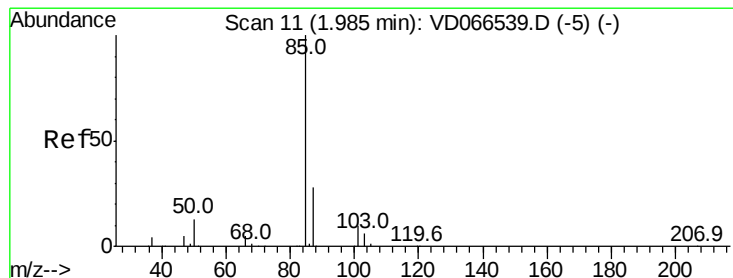
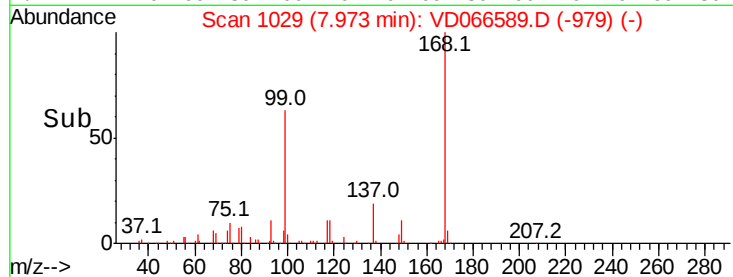
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066589.D

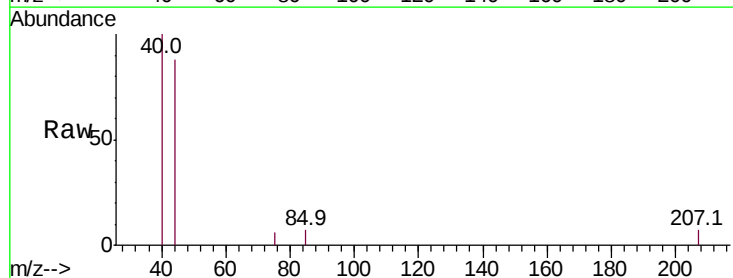
Acq: 09 Sep 2020 17:59

Tgt Ion: 85 Resp: 130

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

200

150

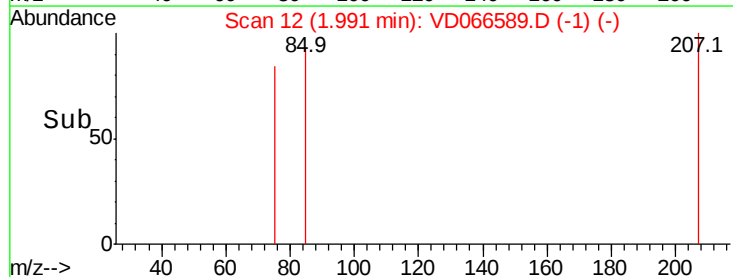
100

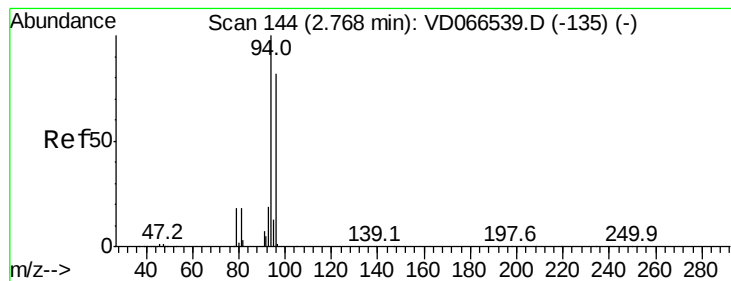
50

0

Time-->

1.96 1.98 2.00





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066589.D

Acq: 09 Sep 2020 17:59

Instrument :

MSVOA_D

ClientSampled :

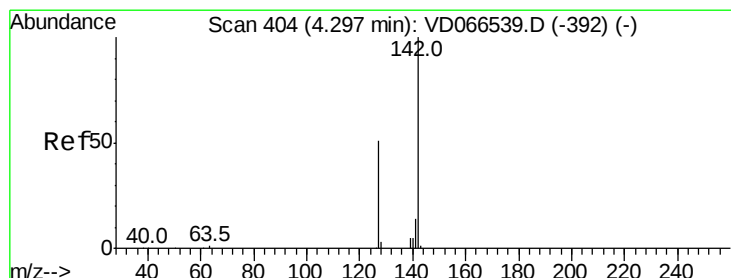
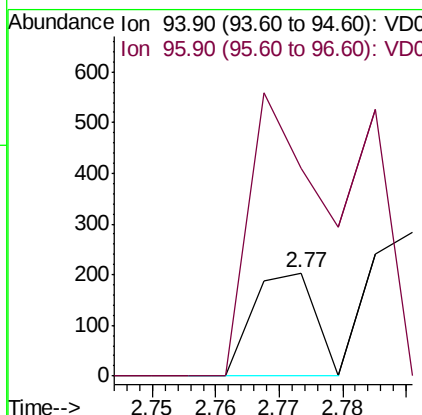
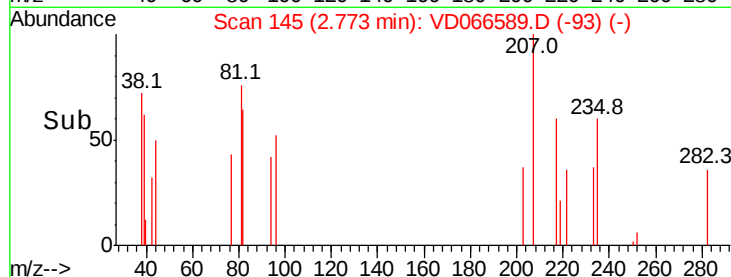
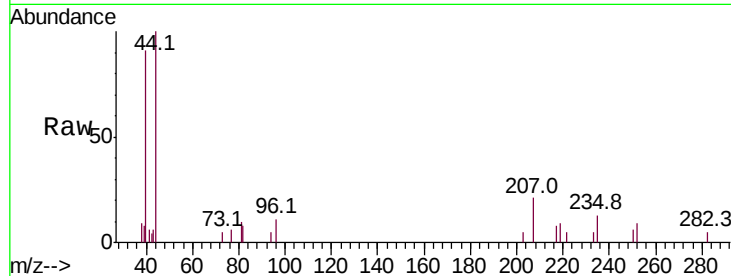
TP-11

Tot Ion: 94 Resp: 138

Ion Ratio Lower Upper

94 100

96 202.0 65.2 97.8#



#10

Methyl Iodide

Concen: 4.042 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.02 min

Lab File: VD066589.D

Acq: 09 Sep 2020 17:59

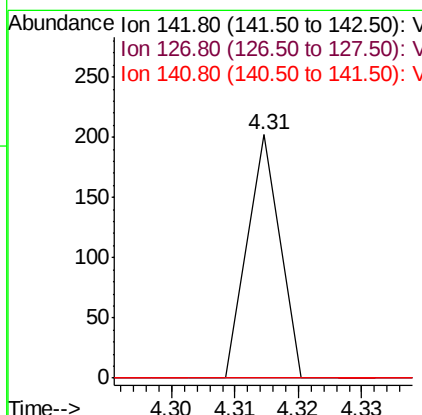
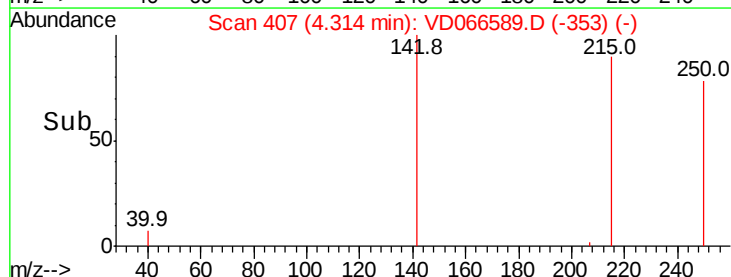
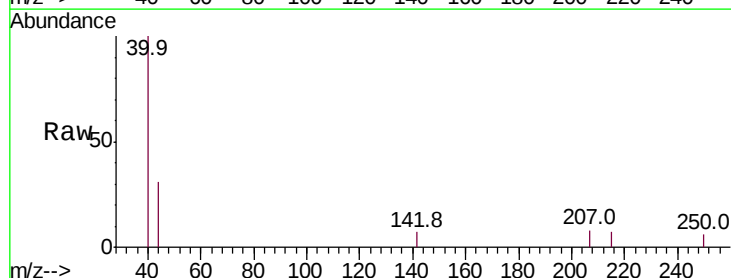
Tgt Ion: 142 Resp: 71

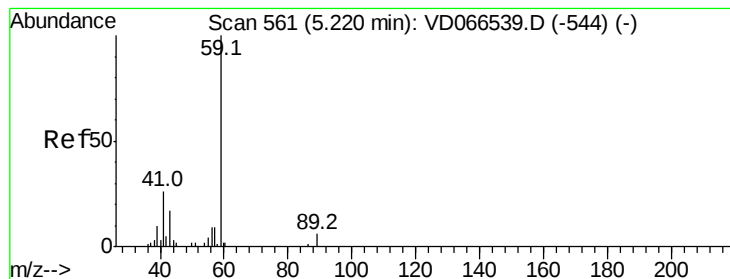
Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

141 0.0 12.2 18.4#



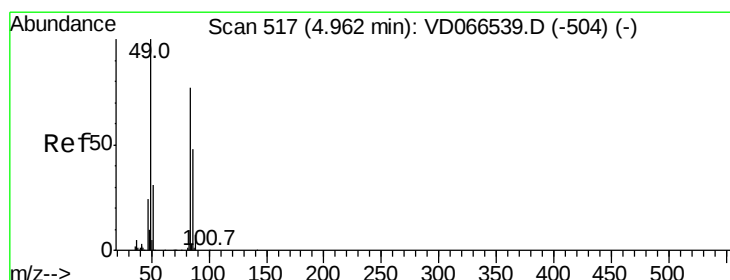
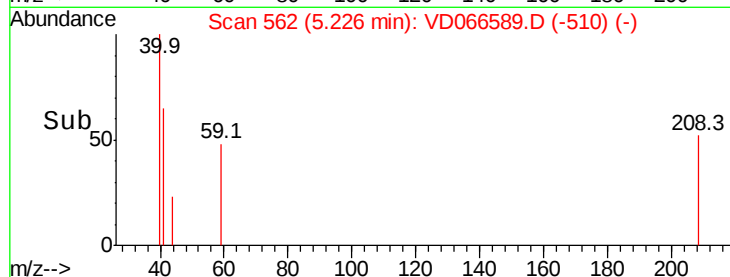
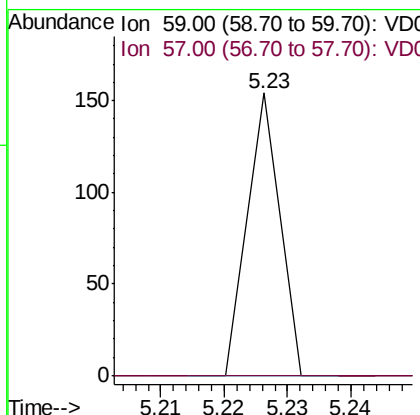
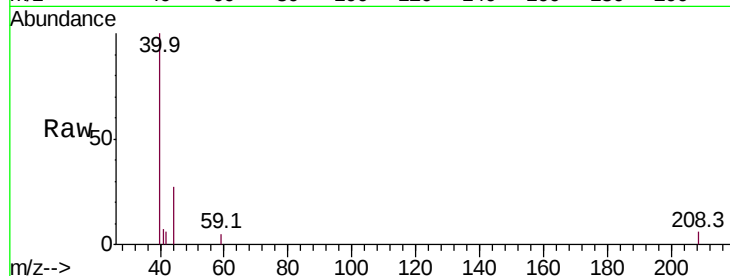


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD066589.D
 Acq: 09 Sep 2020 17:59

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-11

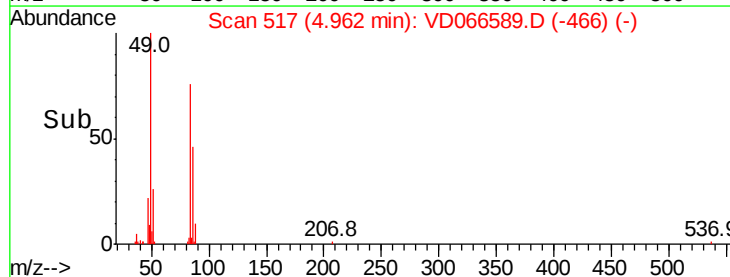
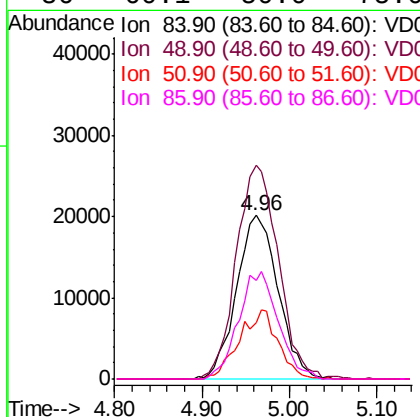
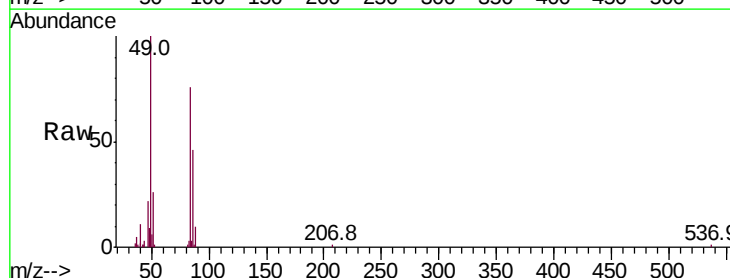
Tot Ion: 59 Resp: 54
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

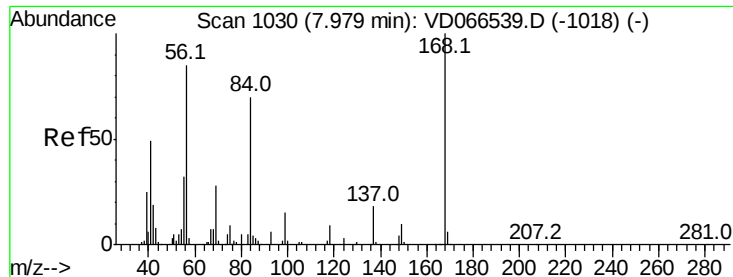


#20

Methylene Chloride
 Concen: 10.922 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD066589.D
 Acq: 09 Sep 2020 17:59

Tgt Ion: 84 Resp: 65169
 Ion Ratio Lower Upper
 84 100
 49 130.8 104.3 156.5
 51 34.6 32.2 48.4
 86 60.1 50.0 75.0

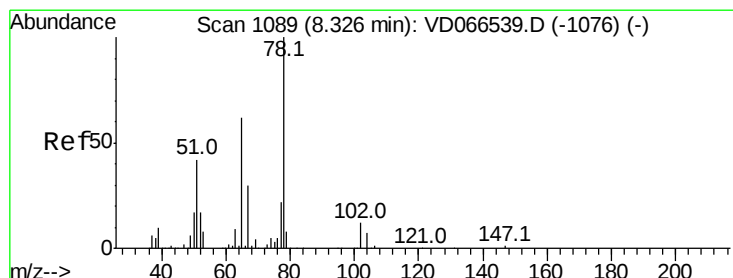
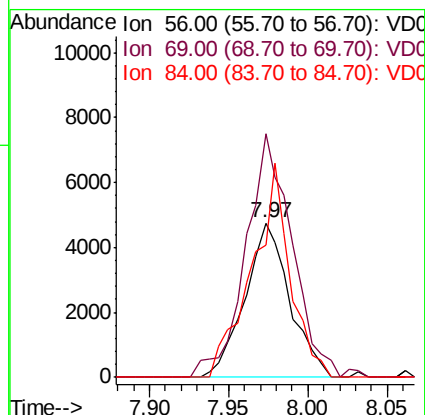
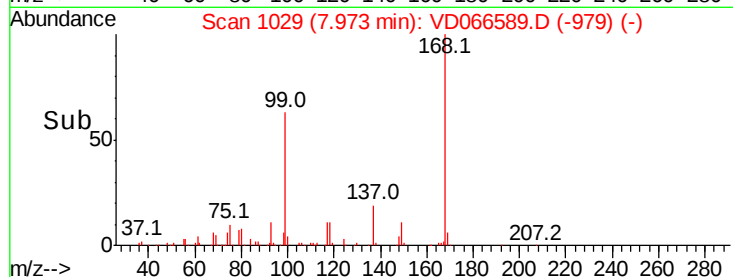
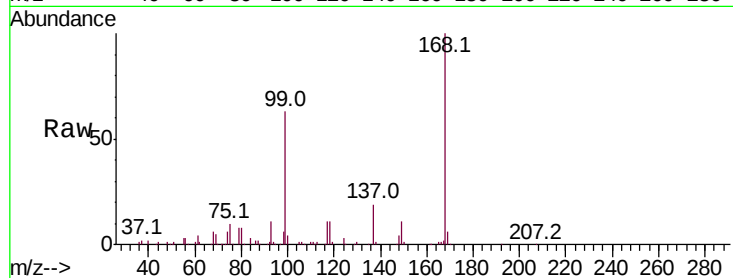




#31
Cyclohexane
Concen: 1.414 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066589.D
Acq: 09 Sep 2020 17:59

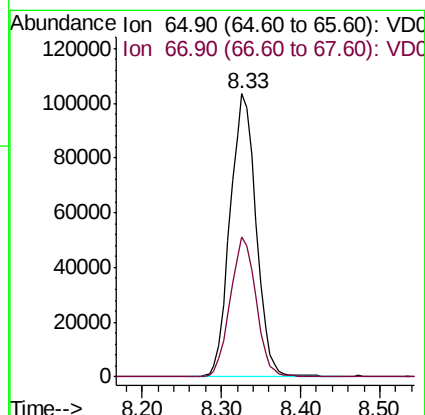
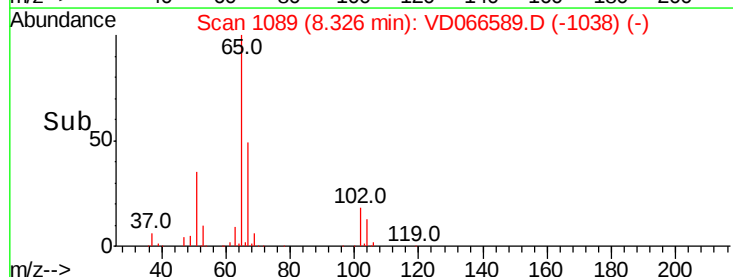
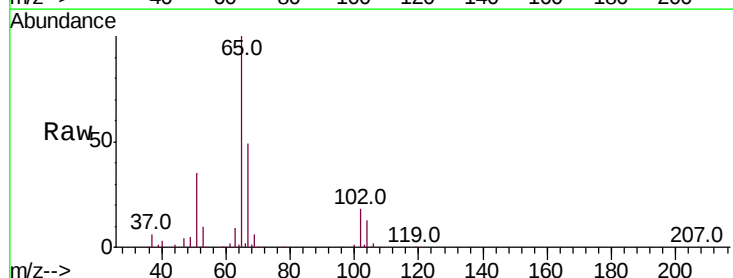
Instrument :
MSVOA_D
ClientSampled :
TP-11

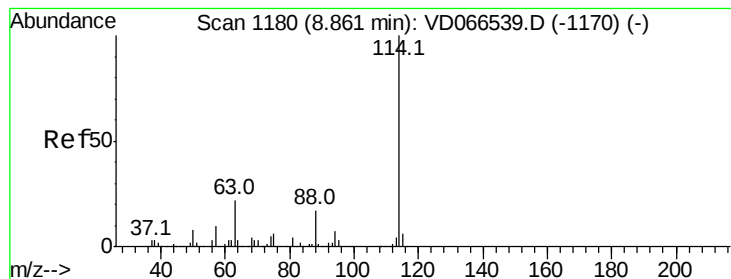
Tot Ion: 56 Resp: 9313
Ion Ratio Lower Upper
56 100
69 158.0 26.3 39.5#
84 85.5 66.1 99.1



#33
1,2-Dichloroethane-d4
Concen: 58.256 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066589.D
Acq: 09 Sep 2020 17:59

Tgt Ion: 65 Resp: 235243
Ion Ratio Lower Upper
65 100
67 48.9 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: VD066589.D

Acq: 09 Sep 2020 17:59

Instrument :

MSVOA_D

ClientSampleId :

TP-11

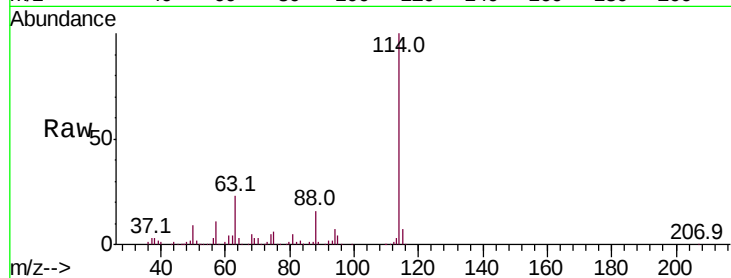
Tot Ion:114 Resp: 633866

Ion Ratio Lower Upper

114 100

63 22.8 0.0 43.2

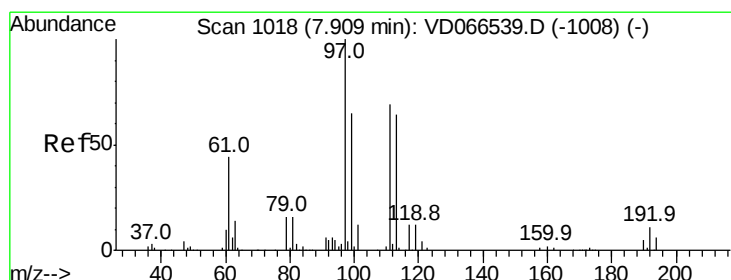
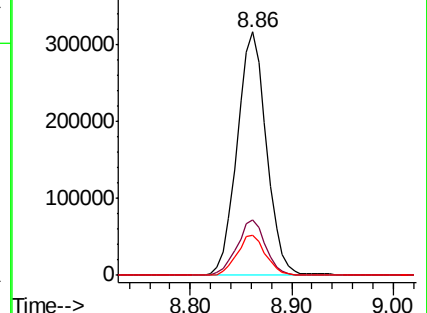
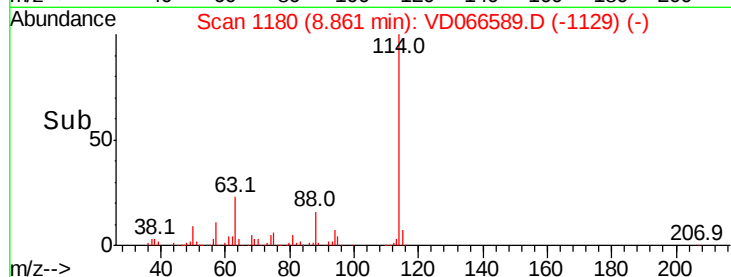
88 16.4 0.0 33.2



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: 52.250 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066589.D

Acq: 09 Sep 2020 17:59

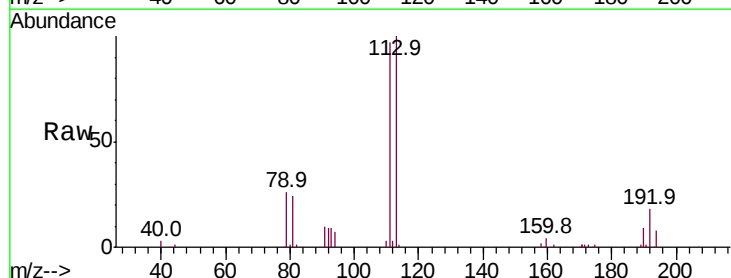
Tgt Ion:113 Resp: 223426

Ion Ratio Lower Upper

113 100

111 99.3 83.2 124.8

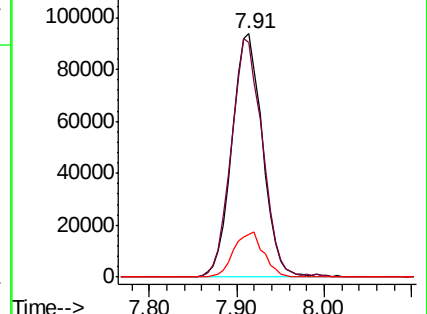
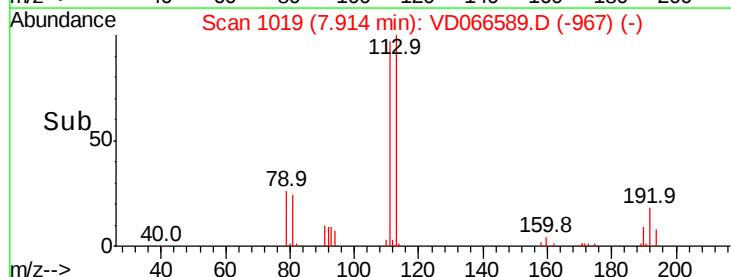
192 18.0 13.7 20.5

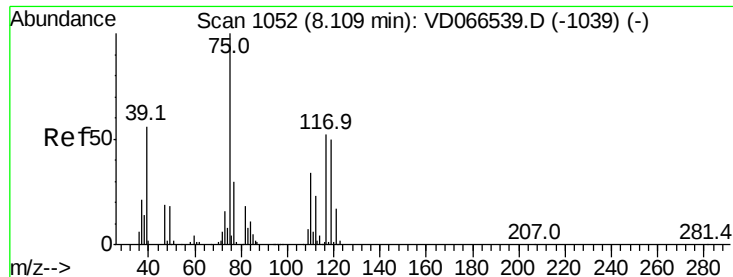


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.940 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066589.D

Acq: 09 Sep 2020 17:59

Instrument :

MSVOA_D

ClientSampled :

TP-11

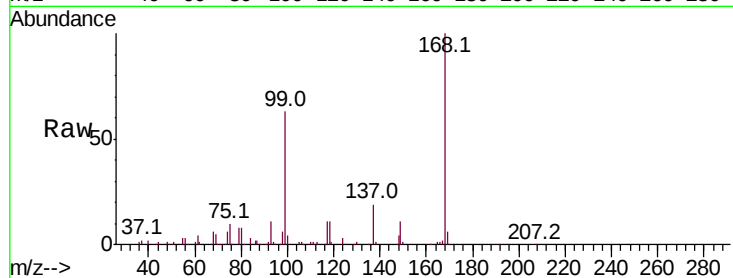
Tot Ion: 75 Resp: 32584

Ion Ratio Lower Upper

75 100

110 10.4 17.3 52.0#

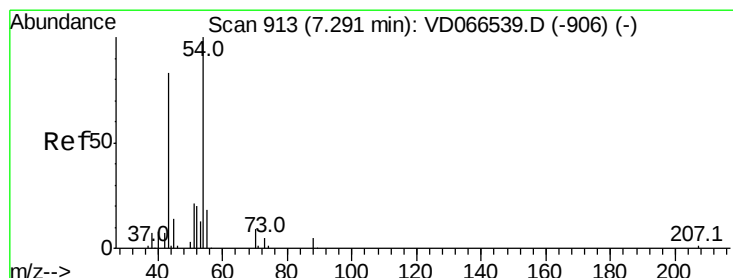
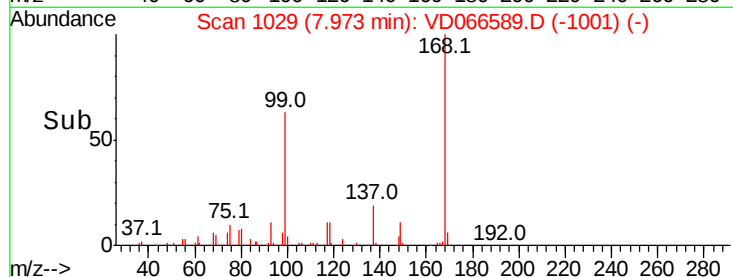
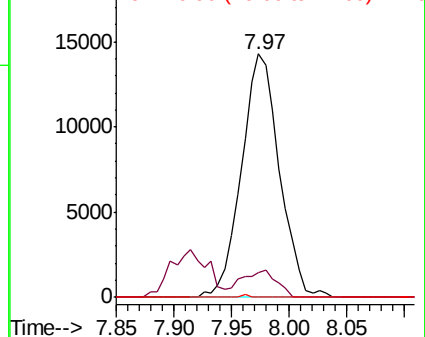
77 0.2 25.1 37.7#



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



#37

Ethyl Acetate

Concen: 2.651 ug/l

RT: 7.48 min Scan# 946

Delta R.T. 0.19 min

Lab File: VD066589.D

Acq: 09 Sep 2020 17:59

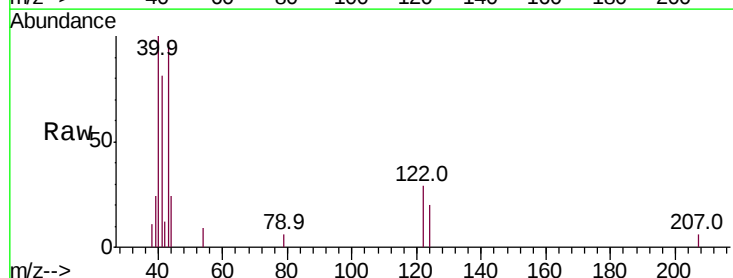
Tgt Ion: 43 Resp: 6964

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.8#

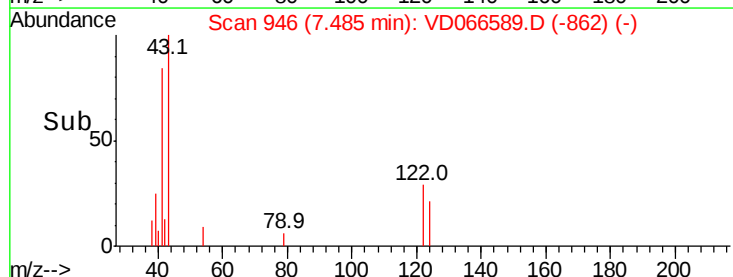
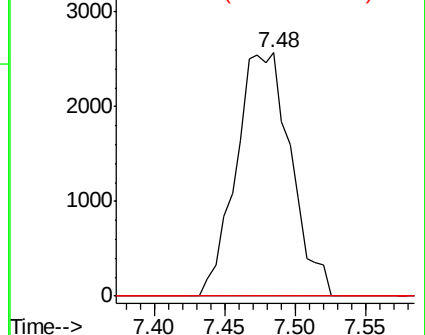
70 0.0 7.9 11.9#

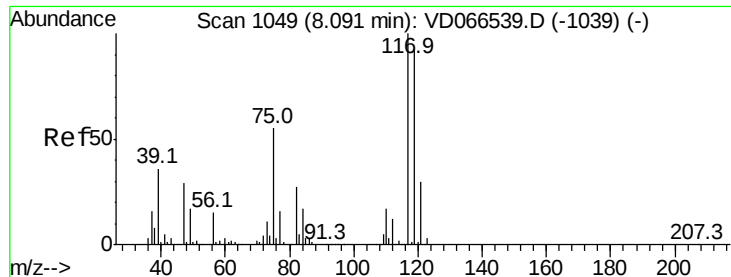


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.523 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066589.D

Acq: 09 Sep 2020 17:59

Instrument :

MSVOA_D

ClientSampled :

TP-11

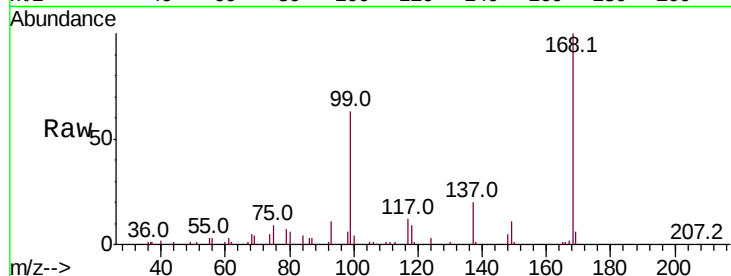
Tot Ion:117 Resp: 38511

Ion Ratio Lower Upper

117 100

119 7.4 73.9 110.9#

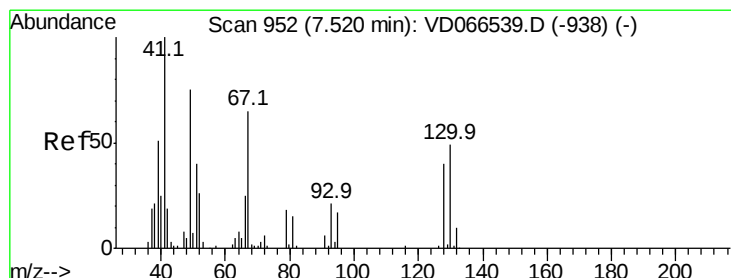
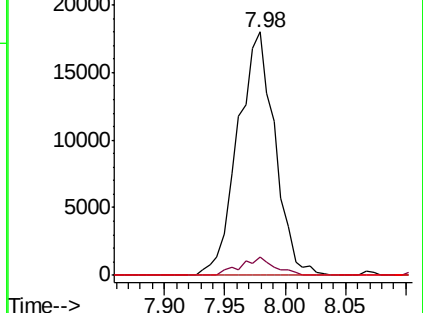
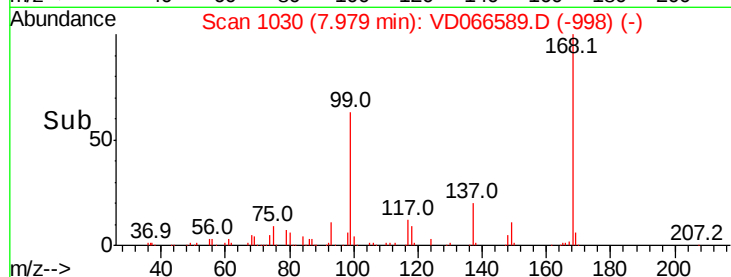
121 0.0 24.1 36.1#



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



#41

Methacrylonitrile

Concen: 3.263 ug/l

RT: 7.48 min Scan# 945

Delta R.T. -0.04 min

Lab File: VD066589.D

Acq: 09 Sep 2020 17:59

Tgt Ion: 41 Resp: 4149

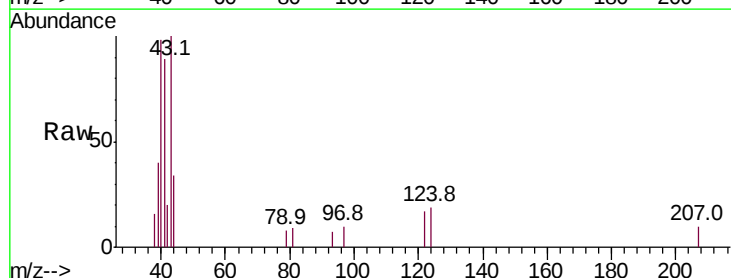
Ion Ratio Lower Upper

41 100

39 55.0 53.6 80.4

67 0.0 59.2 88.8#

52 0.0 26.8 40.2#

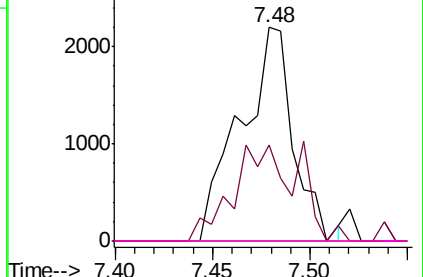
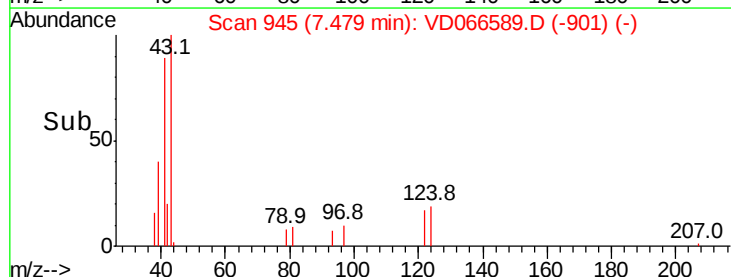


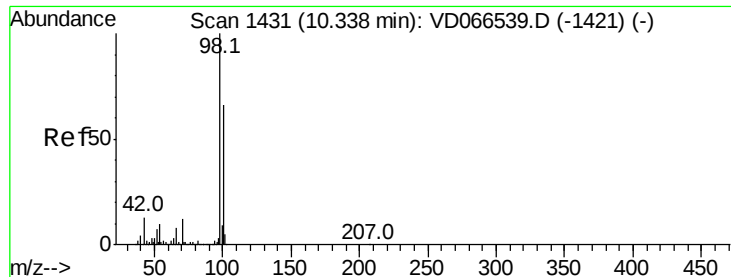
Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 51.654 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066589.D

Acq: 09 Sep 2020 17:59

Instrument :

MSVOA_D

ClientSampleId :

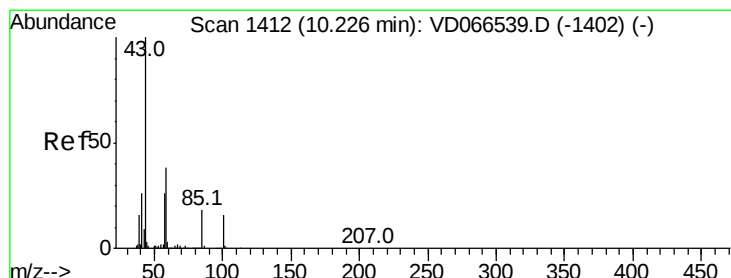
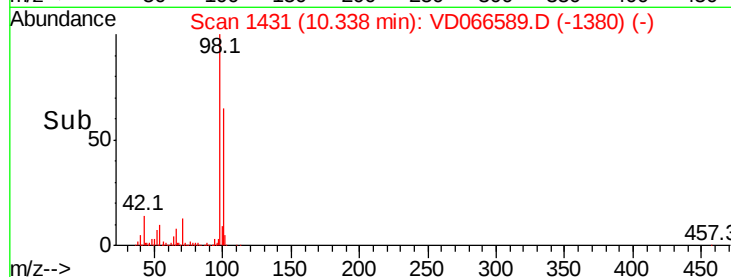
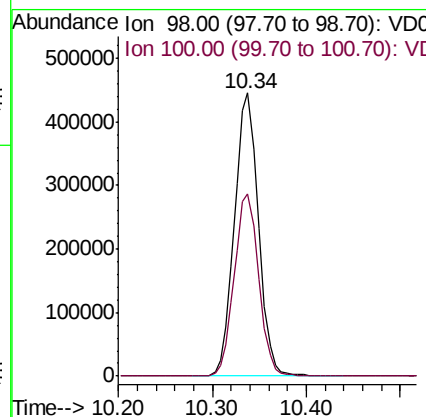
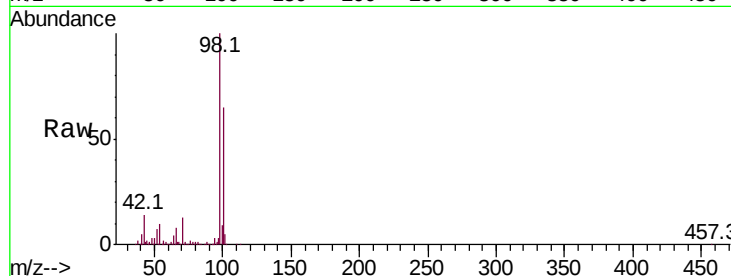
TP-11

Tot Ion: 98 Resp: 789452

Ion Ratio Lower Upper

98 100

100 65.9 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 1.804 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066589.D

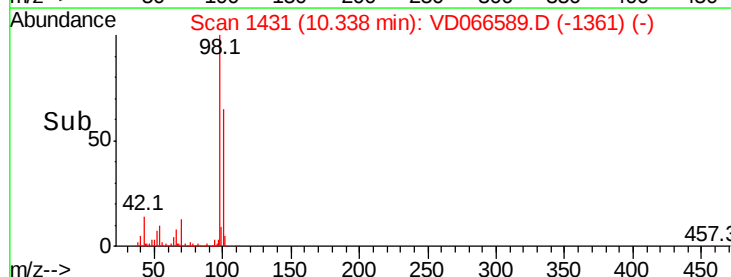
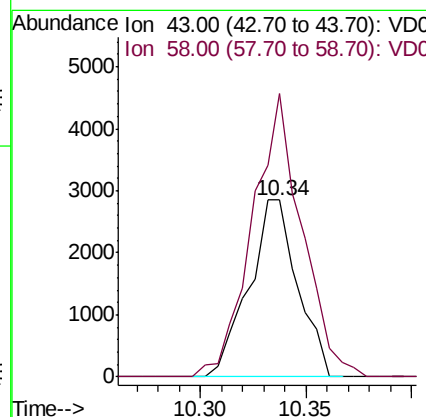
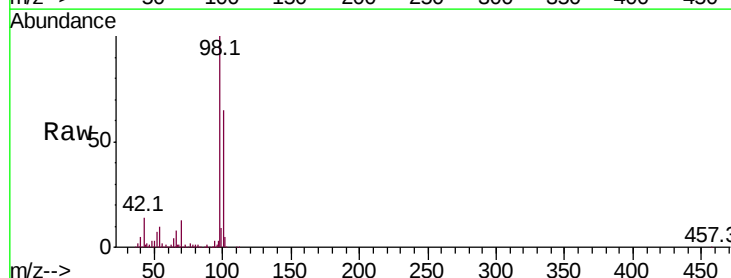
Acq: 09 Sep 2020 17:59

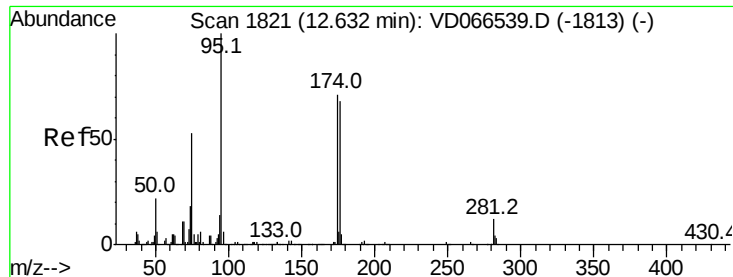
Tgt Ion: 43 Resp: 4581

Ion Ratio Lower Upper

43 100

58 162.9 30.5 45.7#





#62

4-Bromofluorobenzene

Concen: 50.896 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066589.D

Acq: 09 Sep 2020 17:59

Instrument :

MSVOA_D

ClientSampleId :

TP-11

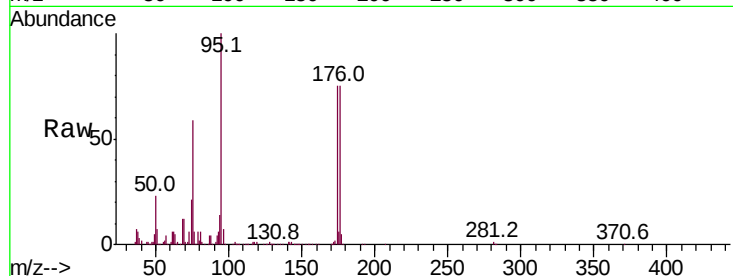
Tot Ion: 95 Resp: 257934

Ion Ratio Lower Upper

95 100

174 77.4 0.0 155.8

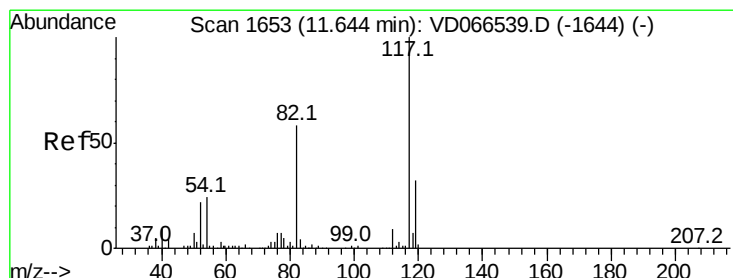
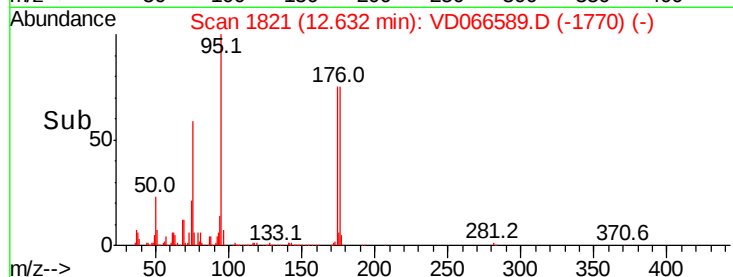
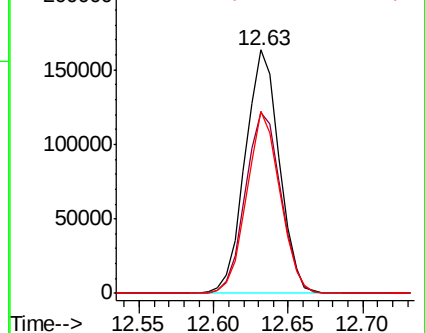
176 73.0 0.0 148.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066589.D

Acq: 09 Sep 2020 17:59

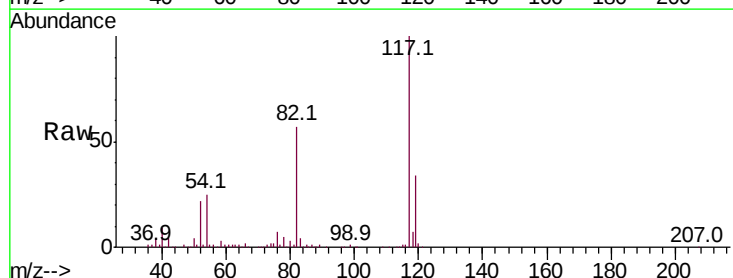
Tgt Ion: 117 Resp: 602022

Ion Ratio Lower Upper

117 100

82 57.1 46.2 69.2

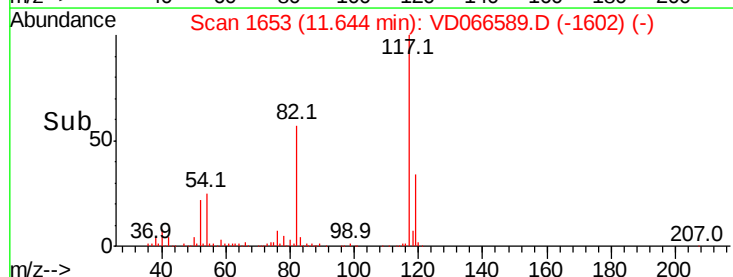
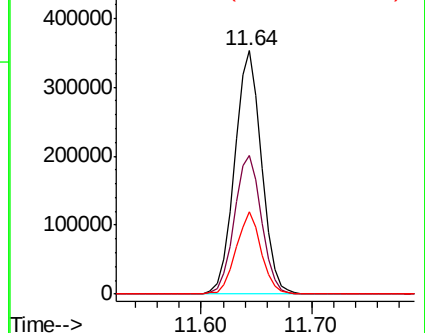
119 34.0 25.8 38.8

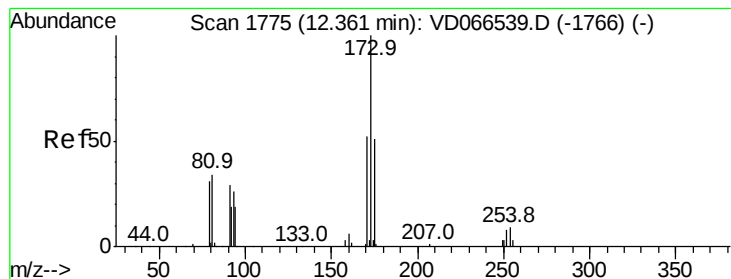


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.174 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD066589.D

Acq: 09 Sep 2020 17:59

Instrument :

MSVOA_D

ClientSampleId :

TP-11

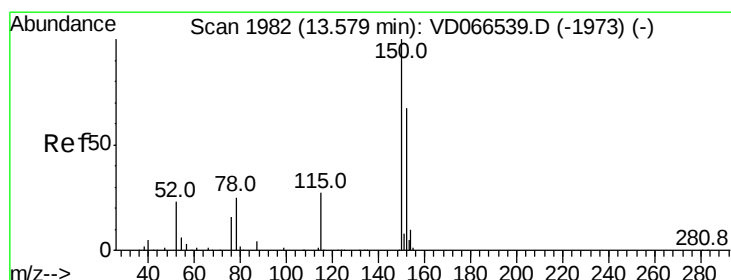
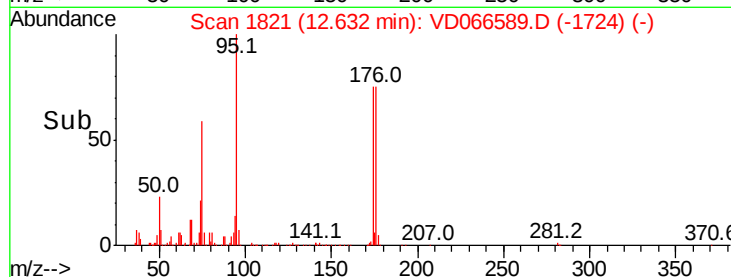
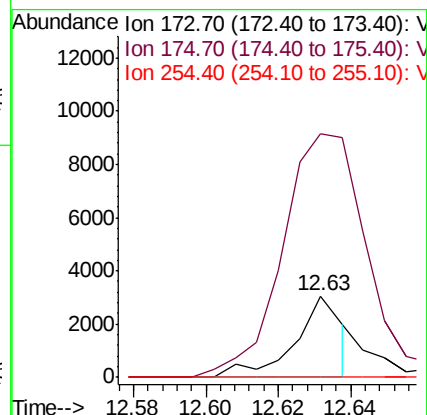
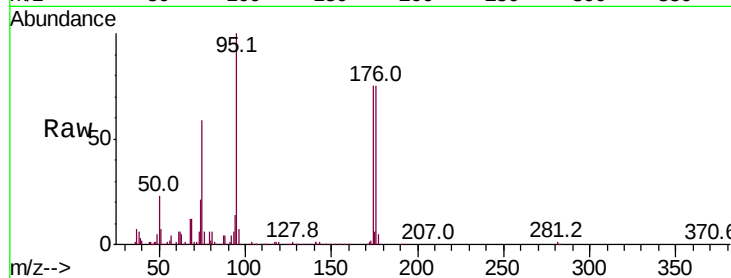
Tot Ion:173 Resp: 2806

Ion Ratio Lower Upper

173 100

175 410.5 24.2 72.6#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066589.D

Acq: 09 Sep 2020 17:59

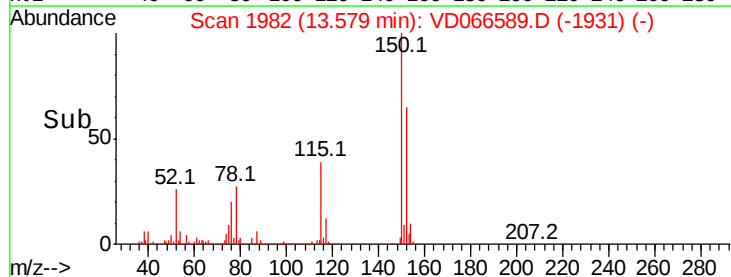
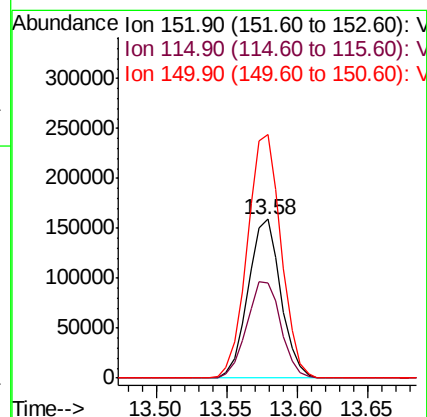
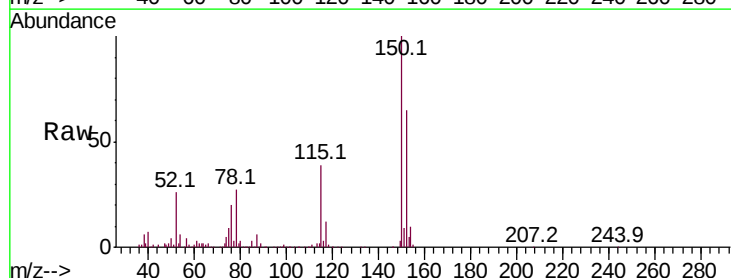
Tgt Ion:152 Resp: 258286

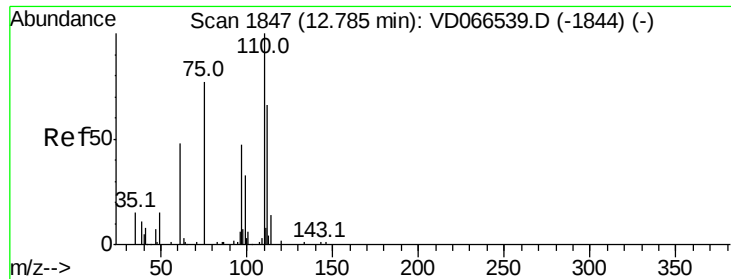
Ion Ratio Lower Upper

152 100

115 63.7 30.4 91.2

150 158.5 0.0 345.8

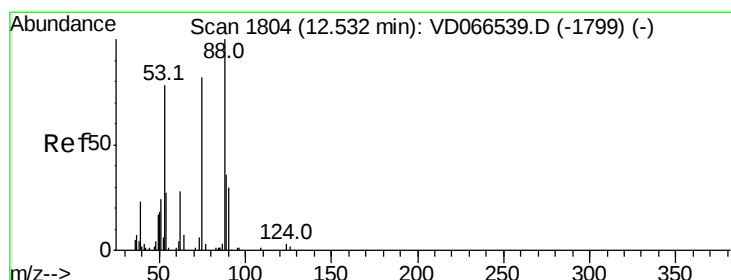
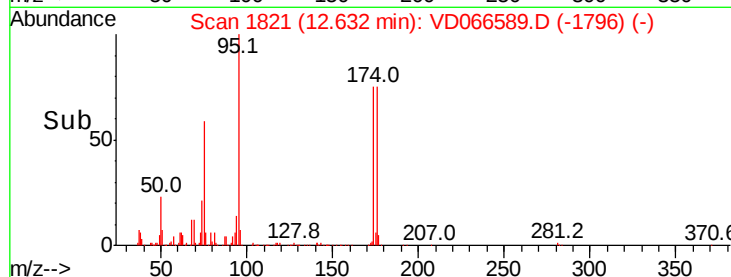
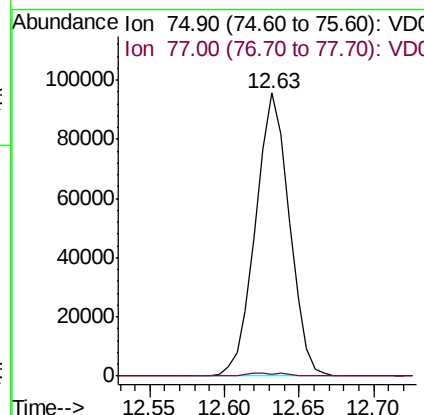
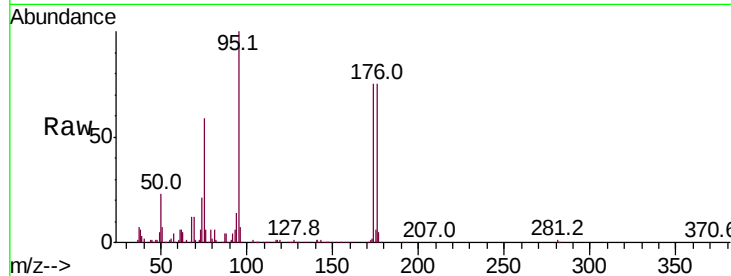




#76
 1,2,3-Trichloropropane
 Concen: 60.305 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066589.D
 Acq: 09 Sep 2020 17:59

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-11

Tot Ion: 75 Resp: 149798
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.790 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066589.D
 Acq: 09 Sep 2020 17:59

Tgt Ion: 75 Resp: 149798
 Ion Ratio Lower Upper
 75 100
 53 0.3 87.0 130.4#
 89 0.1 37.1 55.7#

