

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066590.D
 Acq On : 09 Sep 2020 18:27
 Operator : VA/SY
 Sample : L3919-07
 Misc : 6.67G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-12

Quant Time: Sep 10 01:41:30 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	7.98	168	331553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	636972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	603783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258659	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	239814	59.78	ug/l	0.00
Spiked Amount			Recovery	=	119.56%	
35) Dibromofluoromethane	7.91	113	224291	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
50) Toluene-d8	10.34	98	799215	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.63	95	256829	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	

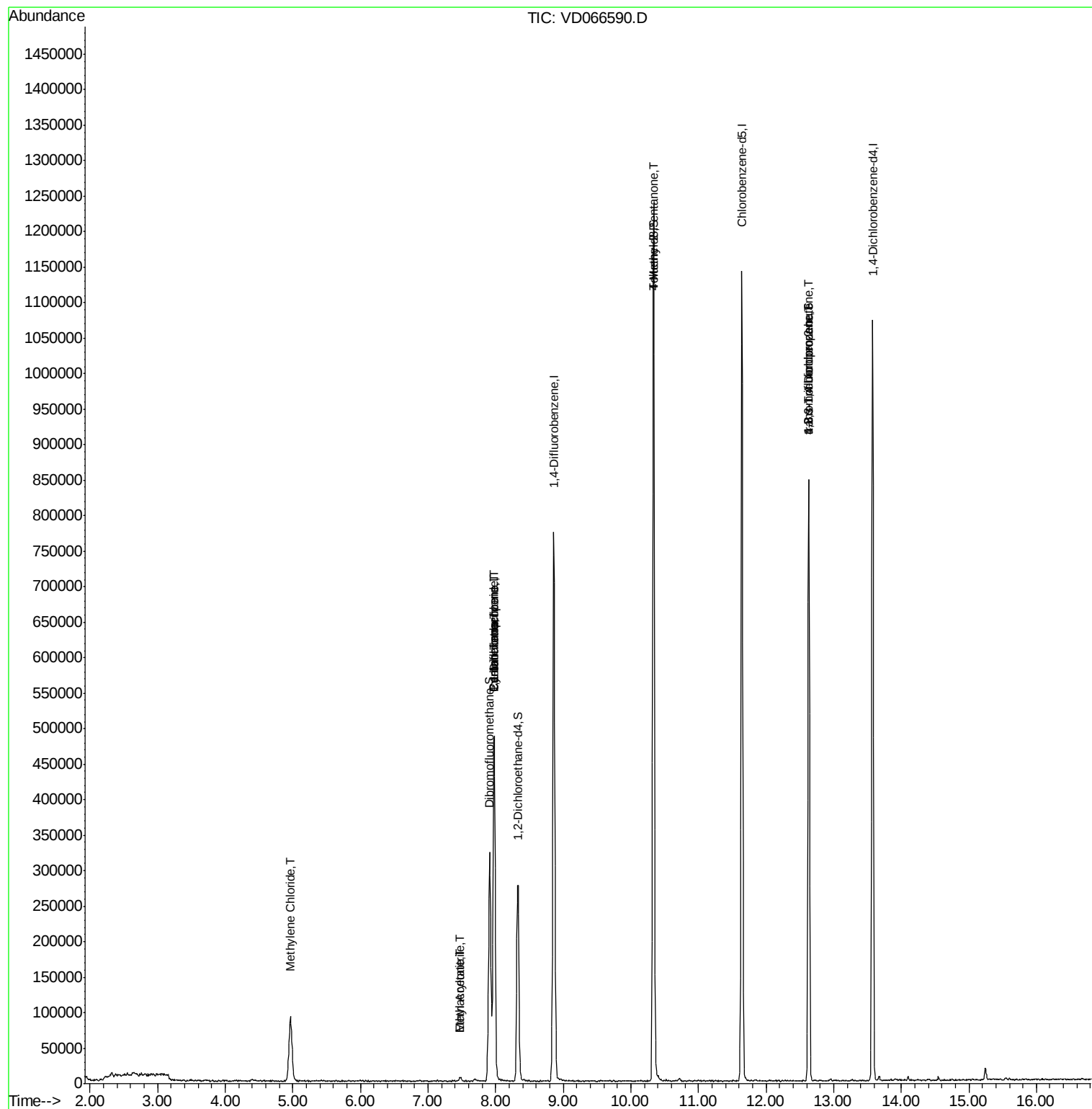
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	72	Below Cal	#	5
20) Methylene Chloride	4.97	84	66281	11.363	ug/l	88
31) Cyclohexane	7.97	56	9665	1.477	ug/l #	31
36) 1,1-Dichloropropene	7.98	75	30962	4.671	ug/l #	49
37) Ethyl Acetate	7.47	43	4863	1.842	ug/l #	68
38) Carbon Tetrachloride	7.97	117	39317	5.611	ug/l #	17
41) Methacrylonitrile	7.47	41	1507	1.179	ug/l #	28
51) 4-Methyl-2-Pentanone	10.34	43	4537	1.778	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	150685	60.574	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	150685	141.420	ug/l #	7

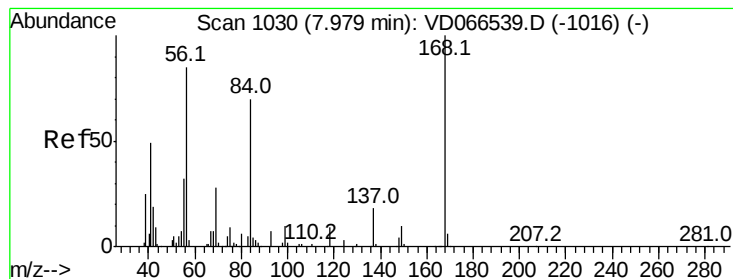
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090920\
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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: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066590.D

Acq: 09 Sep 2020 18:27

Instrument :

MSVOA_D

ClientSampleId :

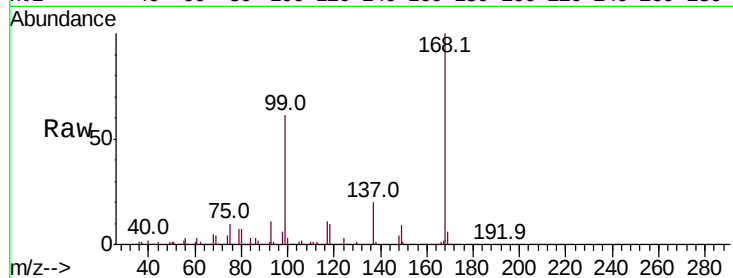
TP-12

Tot Ion:168 Resp: 331553

Ion Ratio Lower Upper

168 100

99 61.3 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

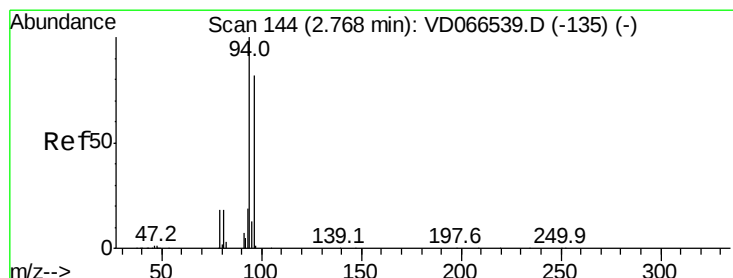
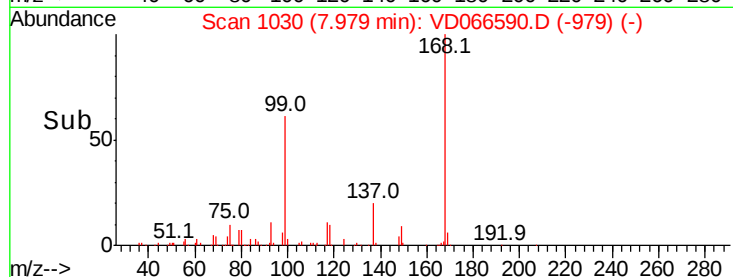
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066590.D

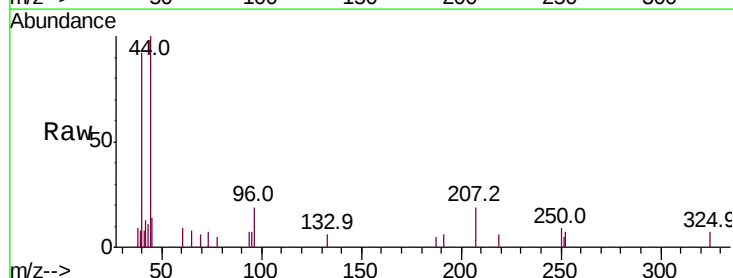
Acq: 09 Sep 2020 18:27

Tgt Ion: 94 Resp: 72

Ion Ratio Lower Upper

94 100

96 166.5 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

600

500

400

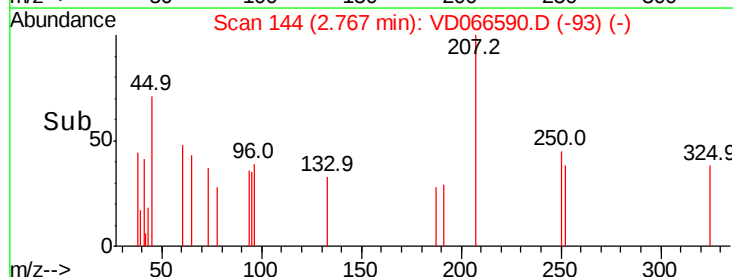
300

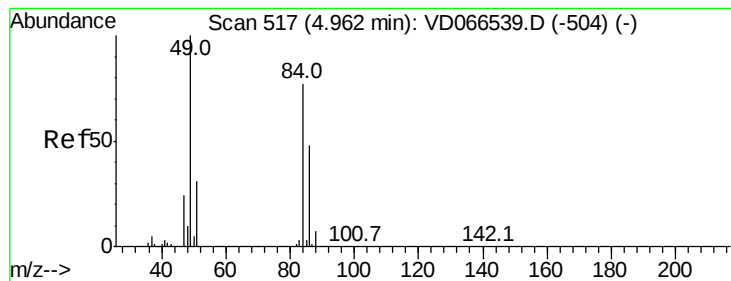
200

100

0

Time-->





#20

Methylene Chloride

Concen: 11.363 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066590.D

Acq: 09 Sep 2020 18:27

Instrument :

MSVOA_D

ClientSampleID :

TP-12

Tot Ion: 84 Resp: 66281

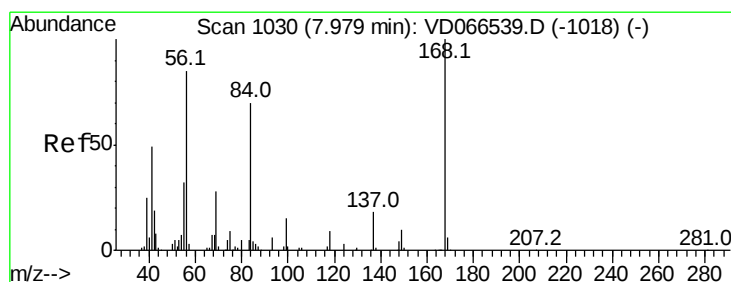
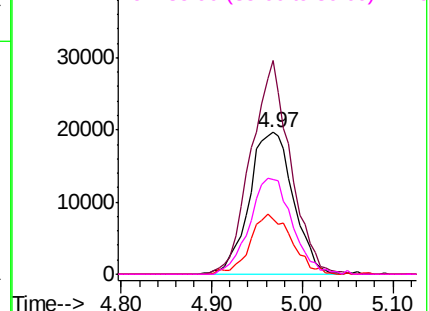
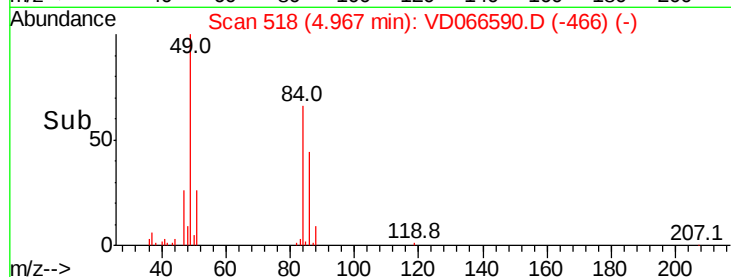
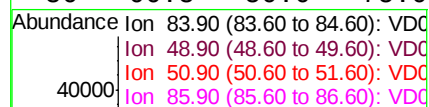
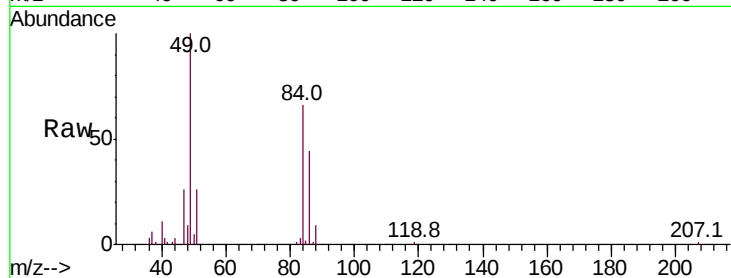
Ion Ratio Lower Upper

84 100

49 150.9 104.3 156.5

51 39.4 32.2 48.4

86 66.8 50.0 75.0



#31

Cyclohexane

Concen: 1.477 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066590.D

Acq: 09 Sep 2020 18:27

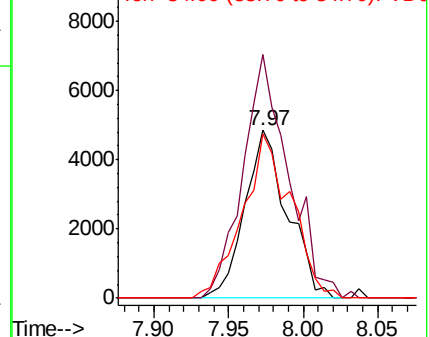
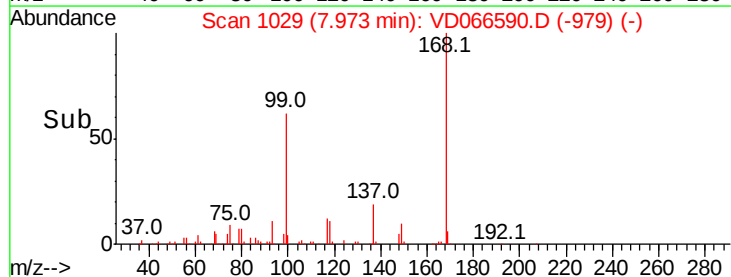
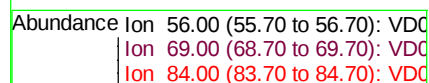
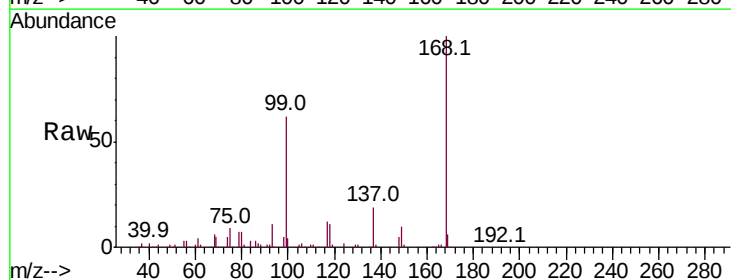
Tgt Ion: 56 Resp: 9665

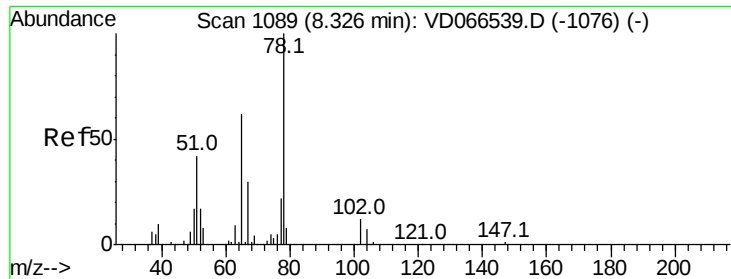
Ion Ratio Lower Upper

56 100

69 145.2 26.3 39.5#

84 97.7 66.1 99.1

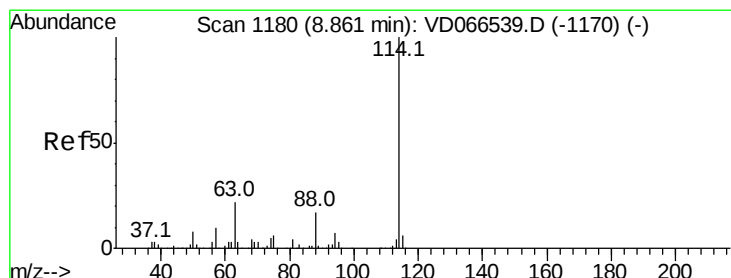
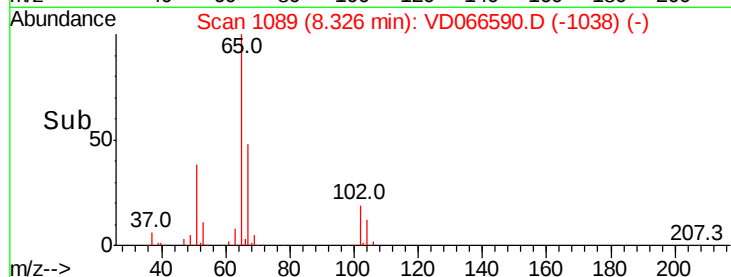
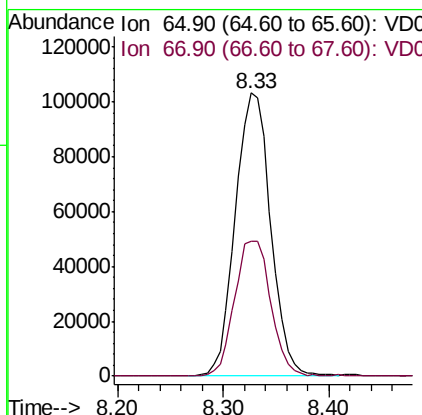
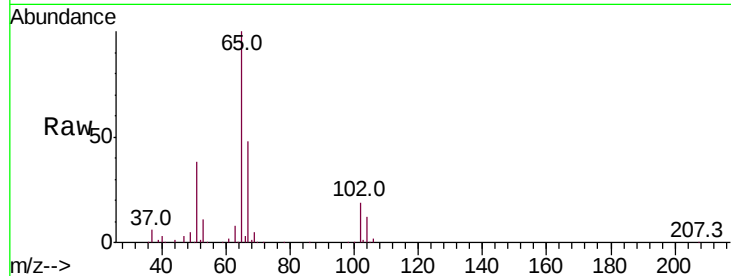




#33
 1,2-Dichloroethane-d4
 Concen: 59.782 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066590.D
 Acq: 09 Sep 2020 18:27

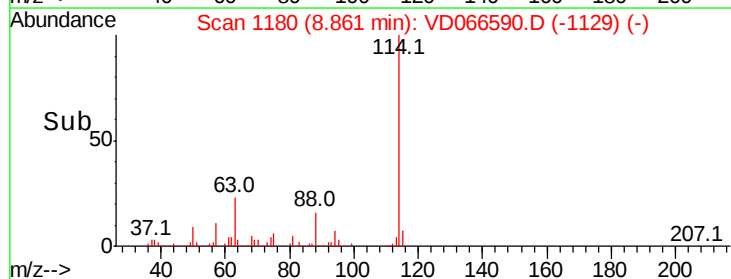
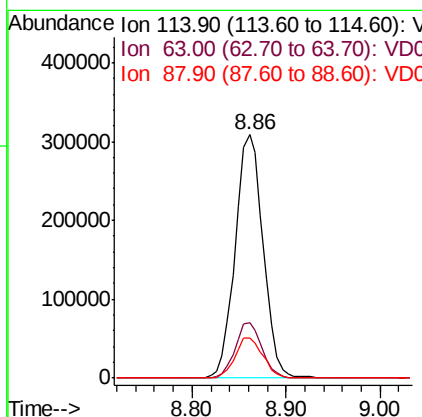
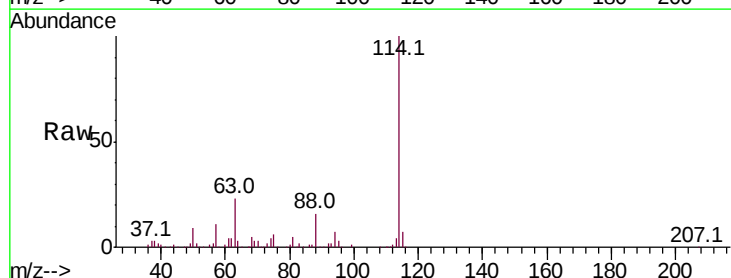
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-12

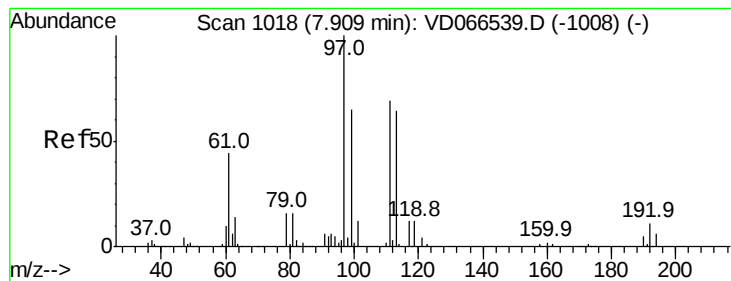
Tot Ion: 65 Resp: 239814
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066590.D
 Acq: 09 Sep 2020 18:27

Tgt Ion:114 Resp: 636972
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 43.2
 88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.196 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066590.D

Acq: 09 Sep 2020 18:27

Instrument :

MSVOA_D

ClientSampleId :

TP-12

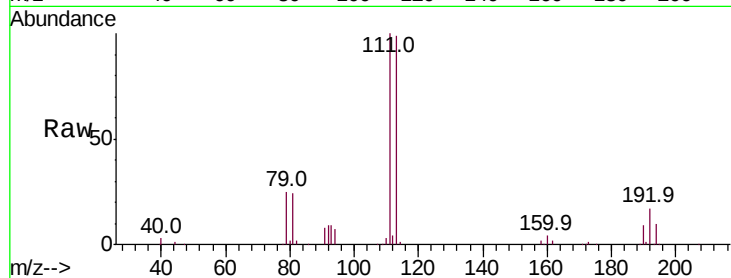
Tot Ion:113 Resp: 224291

Ion Ratio Lower Upper

113 100

111 101.1 83.2 124.8

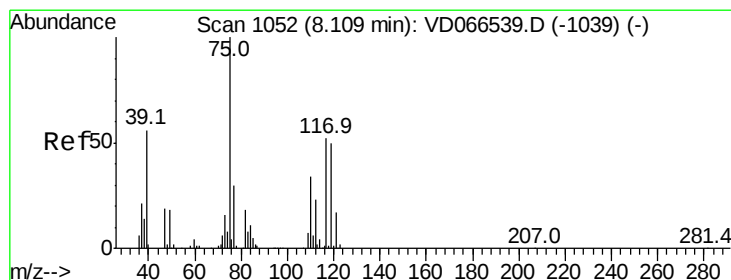
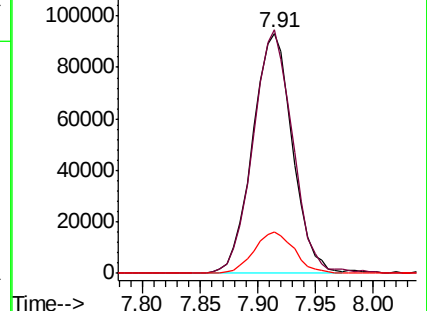
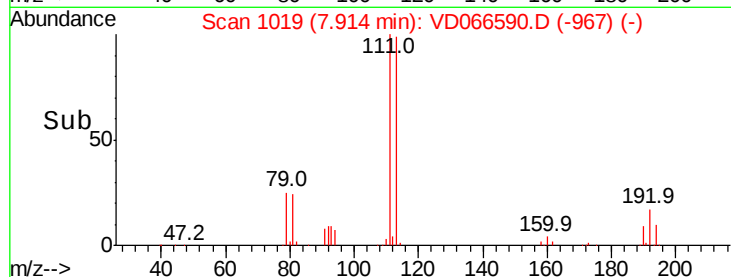
192 17.5 13.7 20.5



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: 4.671 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066590.D

Acq: 09 Sep 2020 18:27

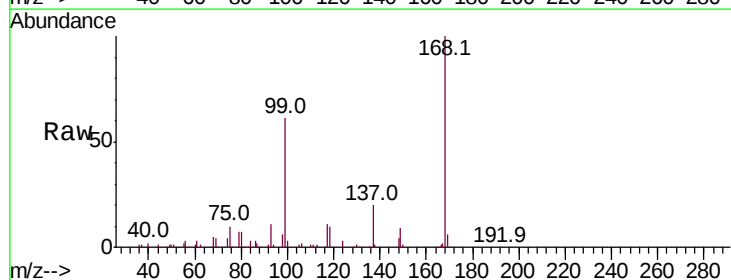
Tgt Ion: 75 Resp: 30962

Ion Ratio Lower Upper

75 100

110 8.5 17.3 52.0#

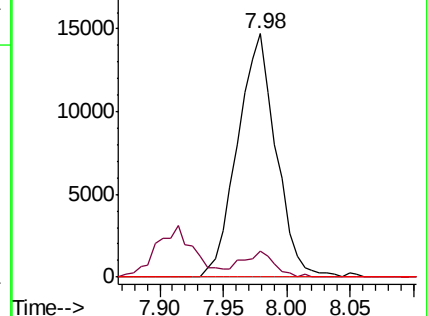
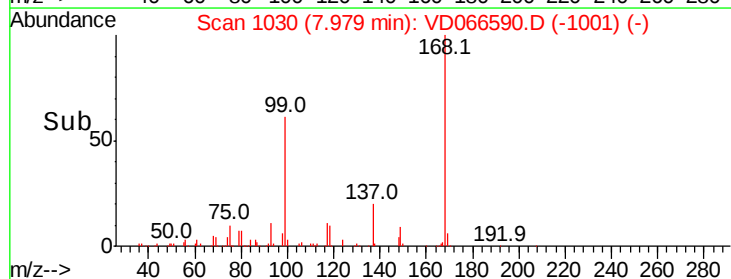
77 0.0 25.1 37.7#

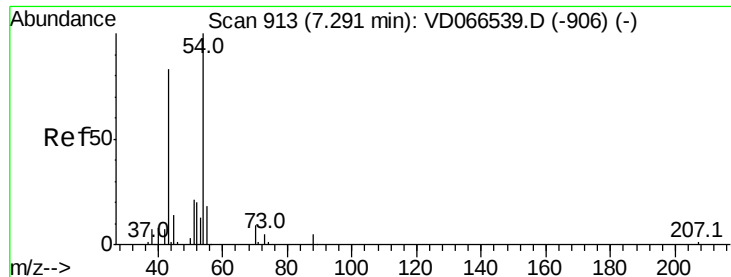


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 1.842 ug/l

RT: 7.47 min Scan# 944

Delta R.T. 0.18 min

Lab File: VD066590.D

Acq: 09 Sep 2020 18:27

Instrument :

MSVOA_D

ClientSampleId :

TP-12

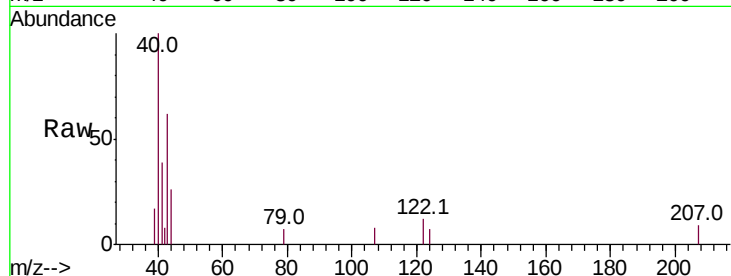
Tot Ion: 43 Resp: 4863

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.8#

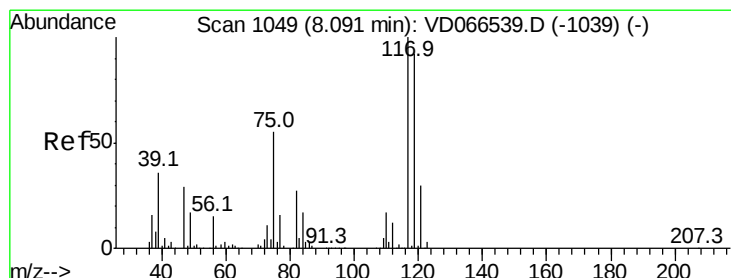
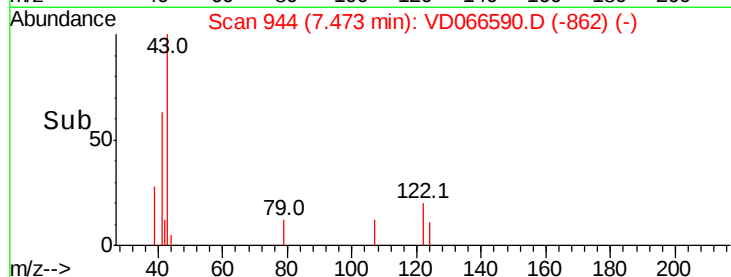
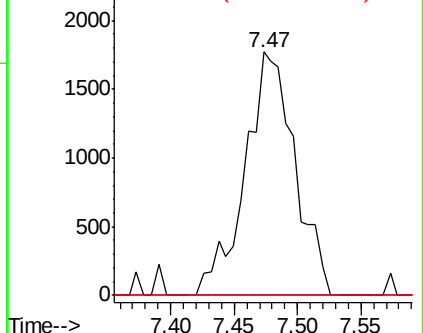
70 0.0 7.9 11.9#



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: 5.611 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066590.D

Acq: 09 Sep 2020 18:27

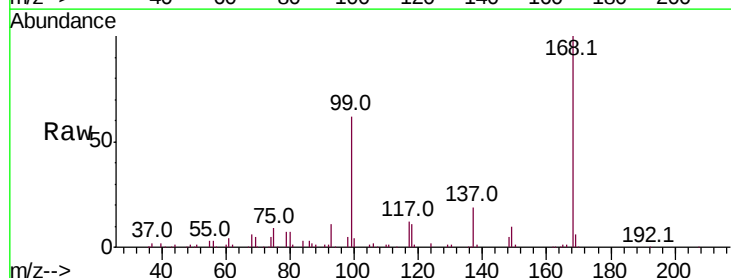
Tgt Ion: 117 Resp: 39317

Ion Ratio Lower Upper

117 100

119 4.5 73.9 110.9#

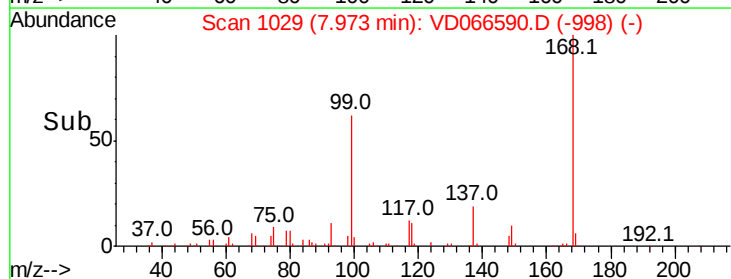
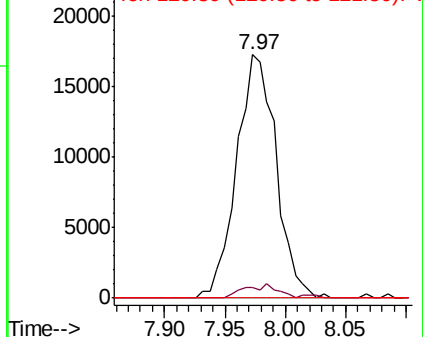
121 0.0 24.1 36.1#

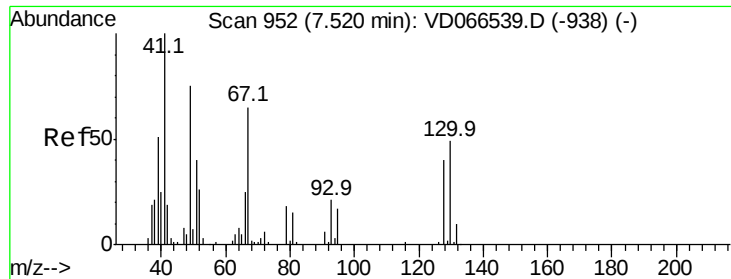


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

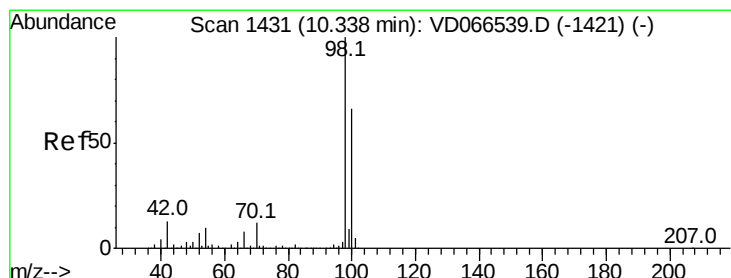
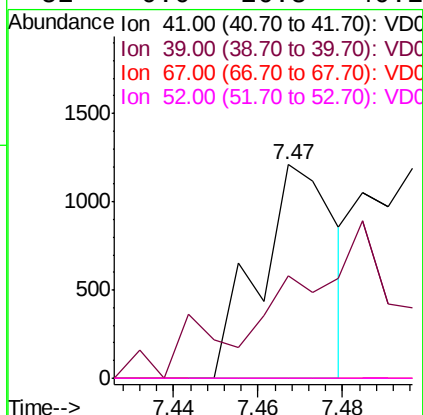
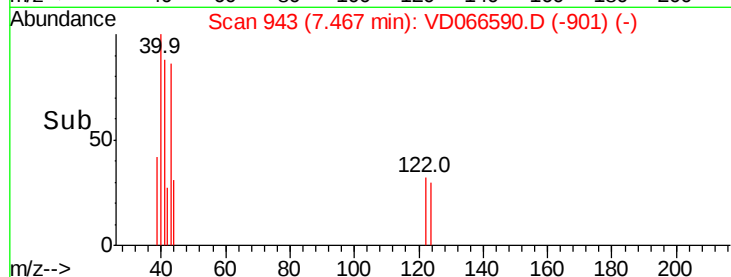
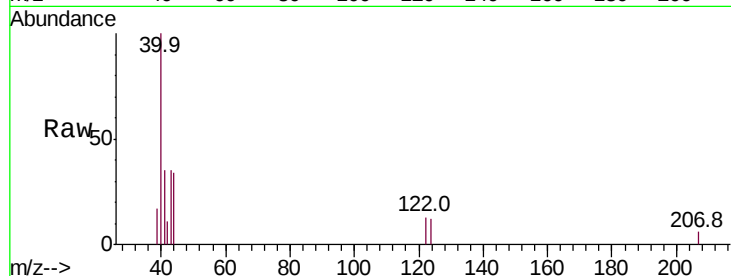




#41
Methacrylonitrile
Concen: 1.179 ug/l
RT: 7.47 min Scan# 943
Delta R.T. -0.05 min
Lab File: VD066590.D
Acq: 09 Sep 2020 18:27

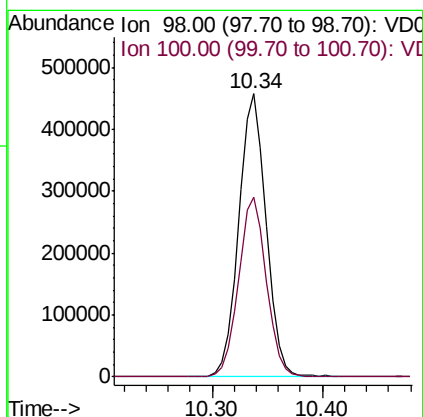
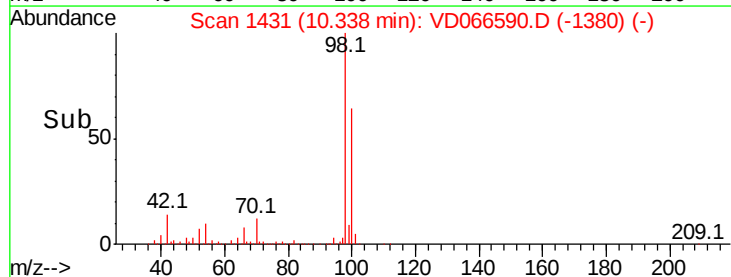
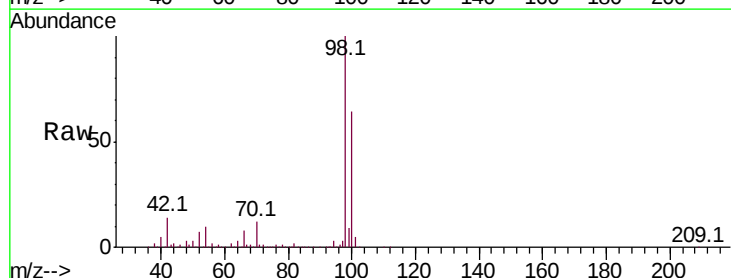
Instrument :
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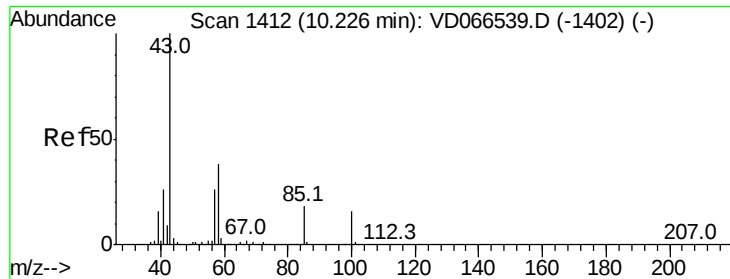
Tot Ion: 41 Resp: 1507
Ion Ratio Lower Upper
41 100
39 115.7 53.6 80.4#
67 0.0 59.2 88.8#
52 0.0 26.8 40.2#



#50
Toluene-d8
Concen: 52.038 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066590.D
Acq: 09 Sep 2020 18:27

Tgt Ion: 98 Resp: 799215
Ion Ratio Lower Upper
98 100
100 64.6 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 1.778 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066590.D

Acq: 09 Sep 2020 18:27

Instrument :

MSVOA_D

ClientSampled :

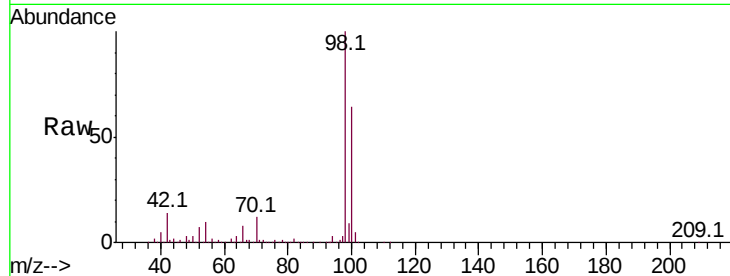
TP-12

Tot Ion: 43 Resp: 4537

Ion Ratio Lower Upper

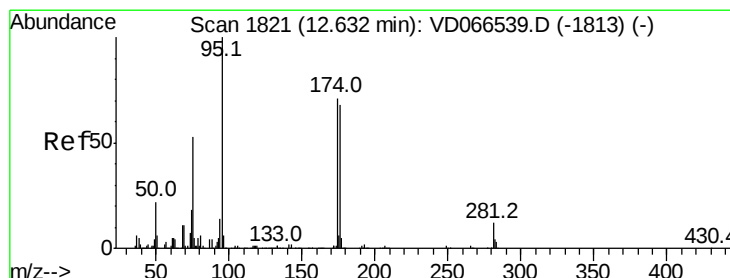
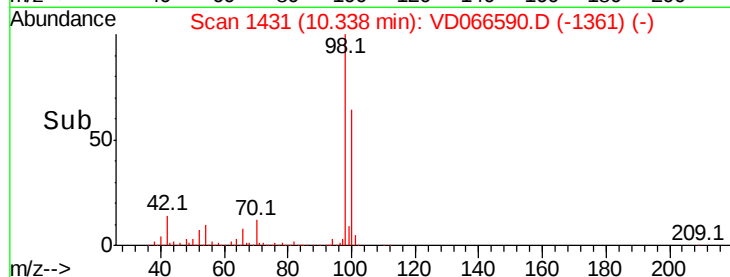
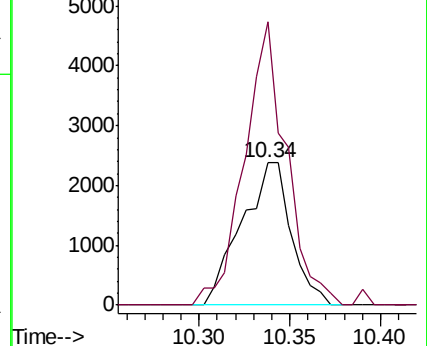
43 100

58 167.1 30.5 45.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 50.431 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066590.D

Acq: 09 Sep 2020 18:27

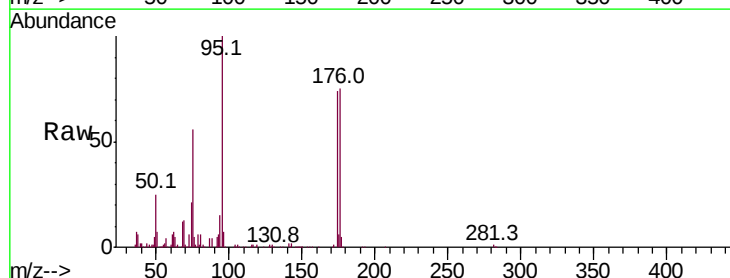
Tgt Ion: 95 Resp: 256829

Ion Ratio Lower Upper

95 100

174 76.4 0.0 155.8

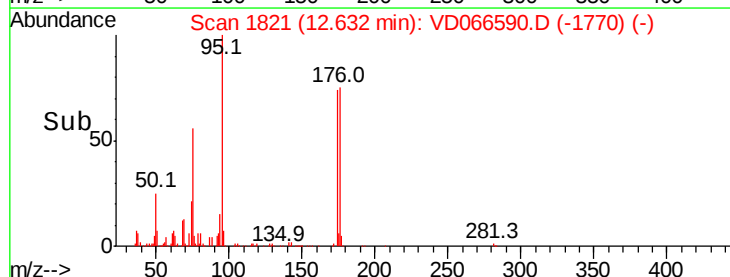
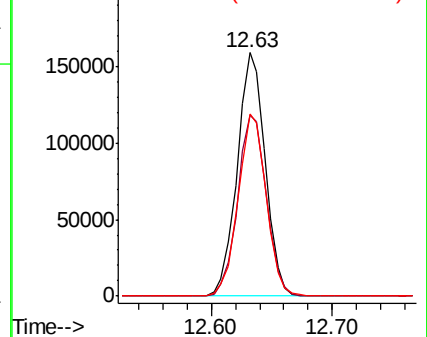
176 75.0 0.0 148.6

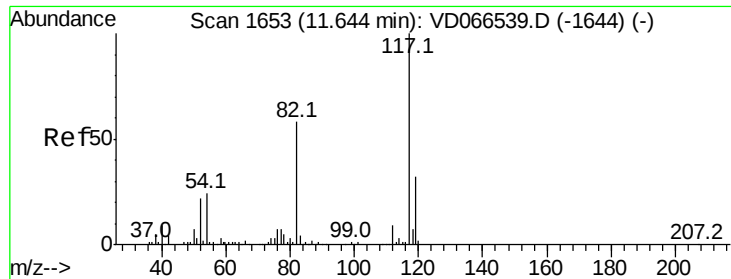


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

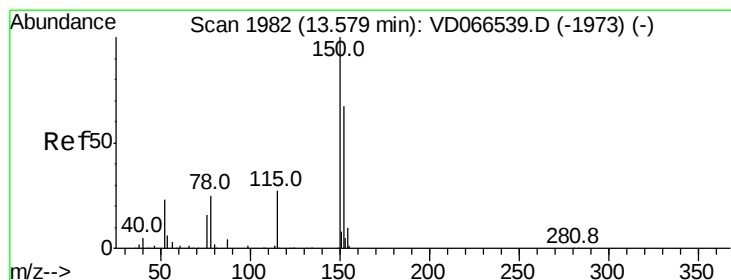
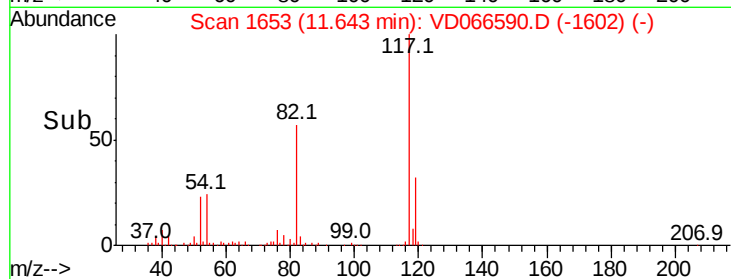
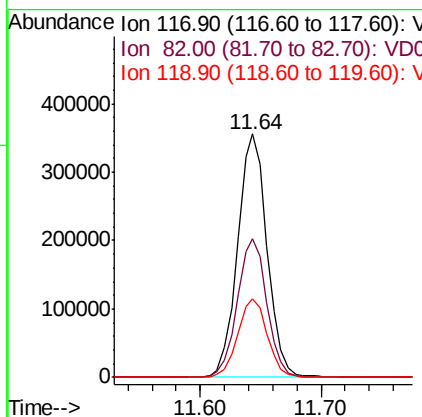
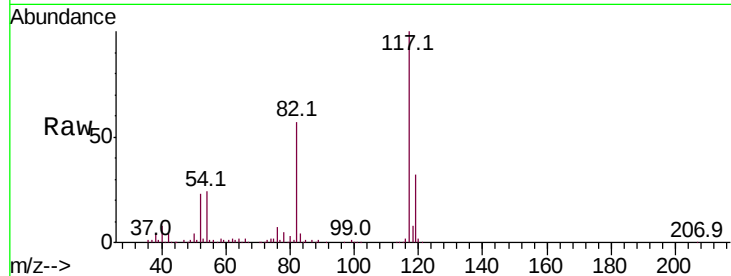




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066590.D
Acq: 09 Sep 2020 18:27

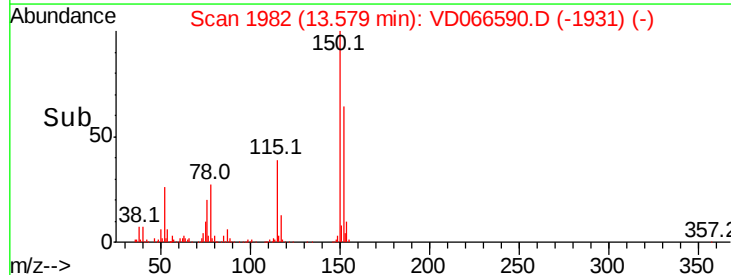
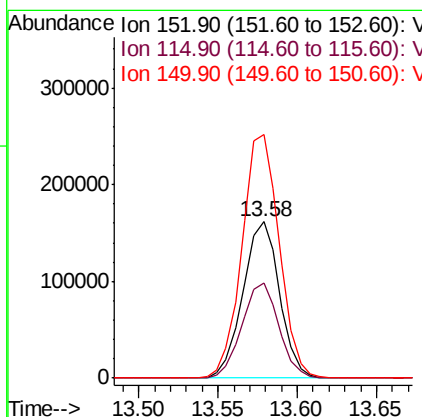
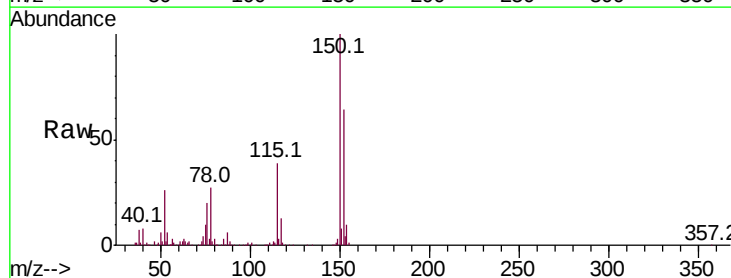
Instrument :
MSVOA_D
ClientSampleId :
TP-12

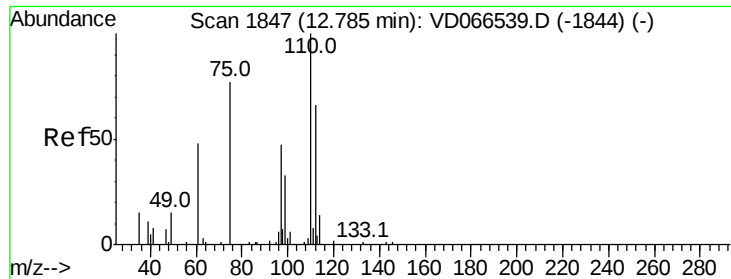
Tot Ion:117 Resp: 603783
Ion Ratio Lower Upper
117 100
82 57.1 46.2 69.2
119 32.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066590.D
Acq: 09 Sep 2020 18:27

Tgt Ion:152 Resp: 258659
Ion Ratio Lower Upper
152 100
115 61.6 30.4 91.2
150 159.2 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 60.574 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066590.D

Acq: 09 Sep 2020 18:27

Instrument :

MSVOA_D

ClientSampled :

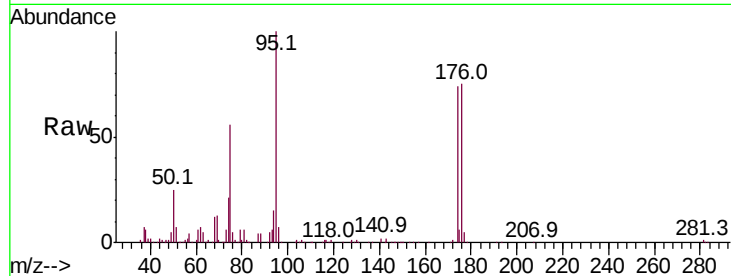
TP-12

Tot Ion: 75 Resp: 150685

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

100000

80000

60000

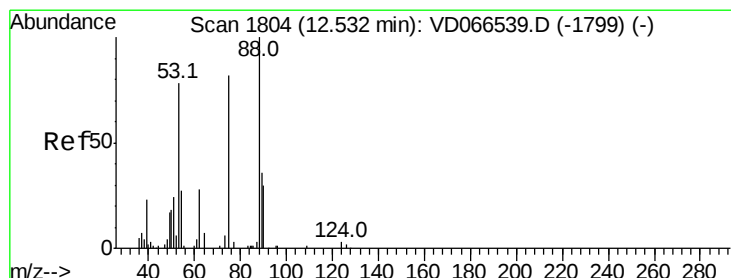
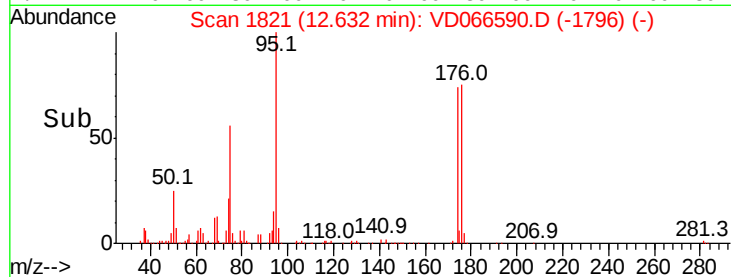
40000

20000

0

Time-->

12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 141.420 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066590.D

Acq: 09 Sep 2020 18:27

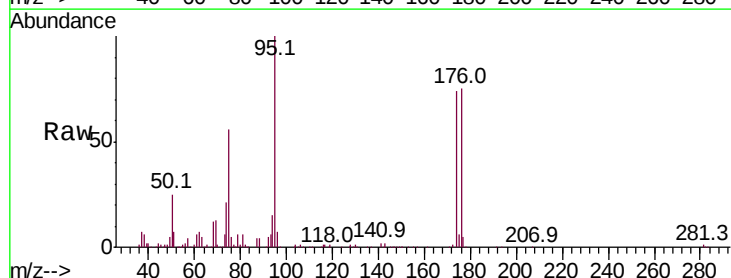
Tgt Ion: 75 Resp: 150685

Ion Ratio Lower Upper

75 100

53 0.2 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

12.63

120000

100000

80000

60000

40000

20000

0

Time-->

12.55 12.60 12.65 12.70

