

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066559.D
 Acq On : 04 Sep 2020 13:27
 Operator : VA/SY
 Sample : L3877-06
 Misc : 8.23G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

Quant Time: Sep 05 07:52:32 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	464903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	813680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	715339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310536	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	280920	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
35) Dibromofluoromethane	7.91	113	268006	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	10.34	98	988942	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.63	95	327542	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	

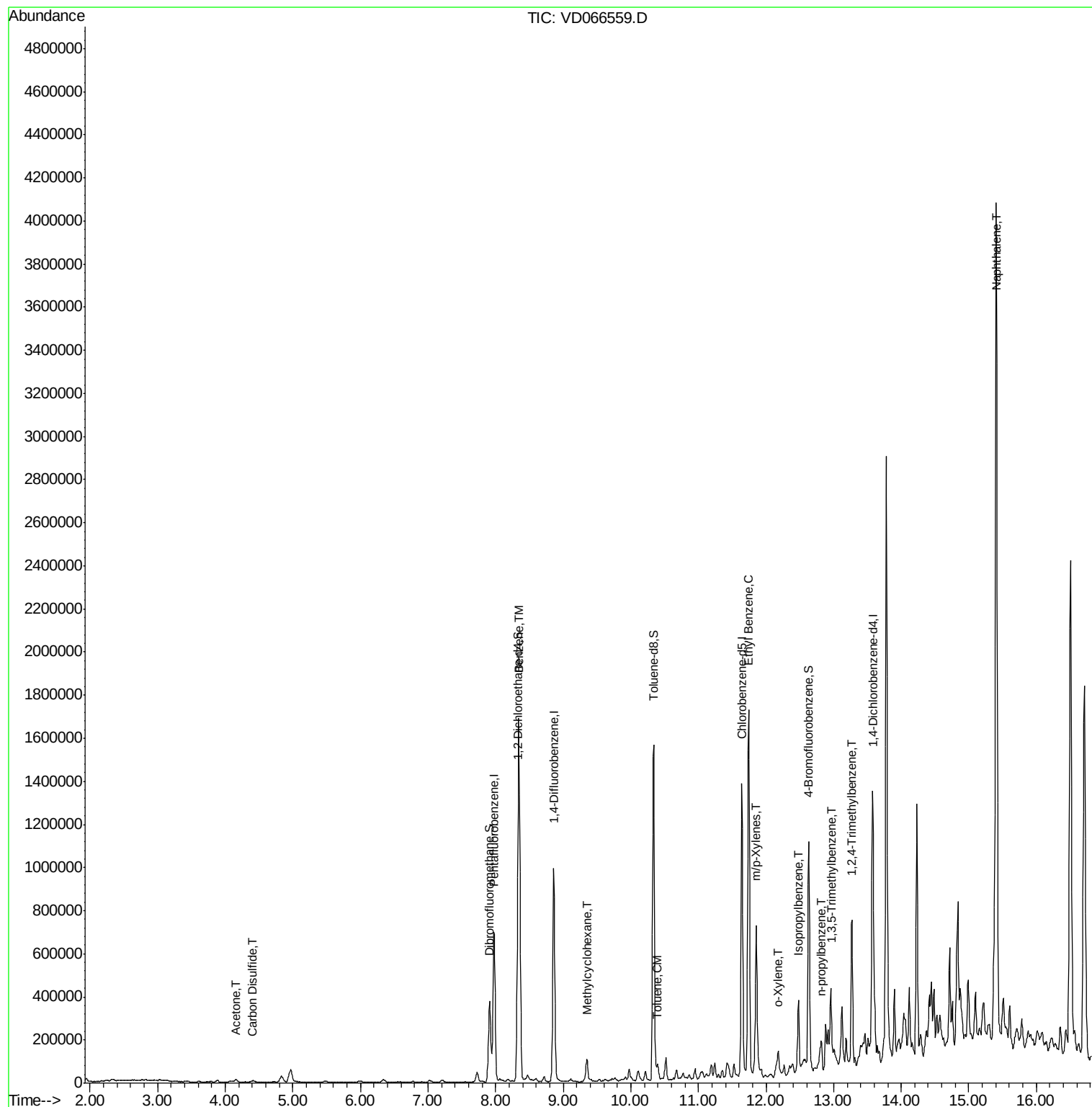
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	21390	20.667	ug/l	100
17) Carbon Disulfide	4.41	76	16224	1.054	ug/l	96
39) Methylcyclohexane	9.35	83	38333	4.054	ug/l	97
40) Benzene	8.34	78	1538262	66.328	ug/l	100
52) Toluene	10.40	92	27971	1.905	ug/l	92
67) Ethyl Benzene	11.74	91	1184728	43.702	ug/l	99
68) m/p-Xylenes	11.86	106	184504	18.330	ug/l	97
69) o-Xylene	12.18	106	28654	3.176	ug/l	100
73) Isopropylbenzene	12.48	105	211794	9.212	ug/l	99
78) n-propylbenzene	12.82	91	91212	3.273	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	132235	6.833	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	377691	19.603	ug/l	98
95) Naphthalene	15.41	128	3544434	379.976	ug/l	99

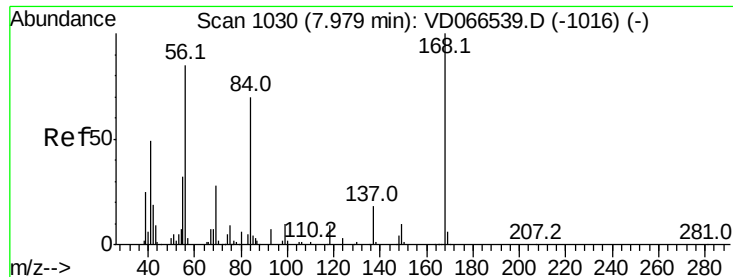
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090420\
Data File : VD066559.D
Acq On : 04 Sep 2020 13:27
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Quant Time: Sep 05 07:52:32 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: VD066559.D

Acq: 04 Sep 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

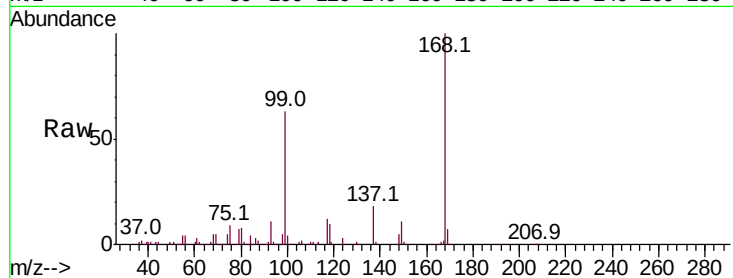
TP-2

Tot Ion:168 Resp: 464903

Ion Ratio Lower Upper

168 100

99 62.7 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

200000

150000

100000

50000

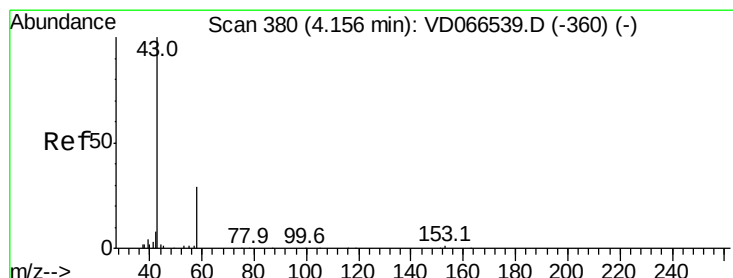
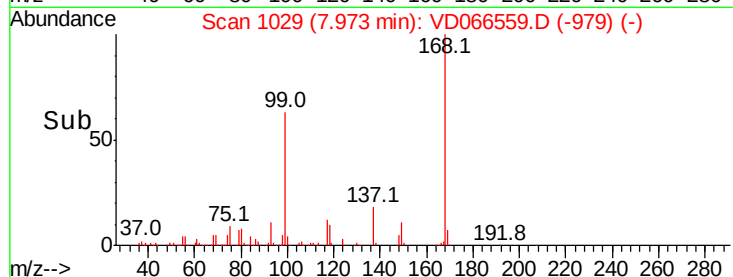
0

Time-->

7.90

8.00

8.10



#16

Acetone

Concen: 20.667 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066559.D

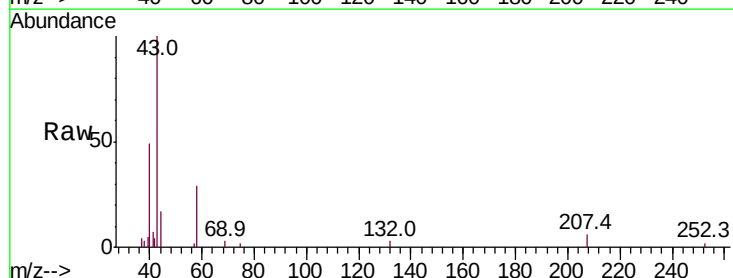
Acq: 04 Sep 2020 13:27

Tgt Ion: 43 Resp: 21390

Ion Ratio Lower Upper

43 100

58 28.6 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

8000

6000

4000

2000

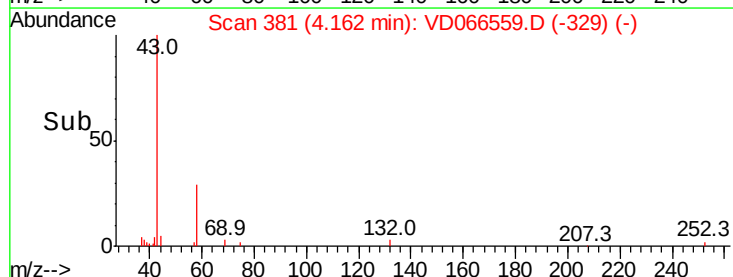
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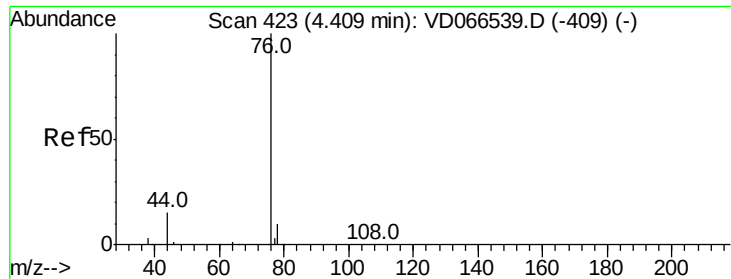
Time-->

4.10

4.20

4.30





#17

Carbon Disulfide

Concen: 1.054 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066559.D

Acq: 04 Sep 2020 13:27

Instrument :

MSVOA_D

ClientSampled :

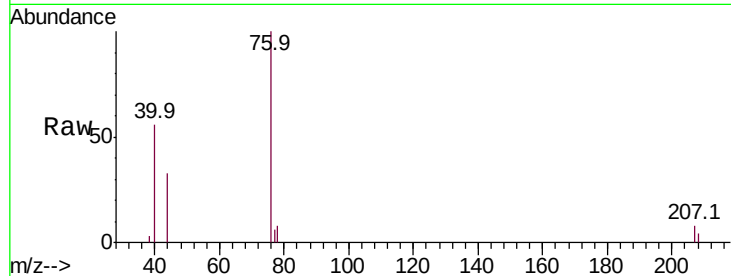
TP-2

Tot Ion: 76 Resp: 16224

Ion Ratio Lower Upper

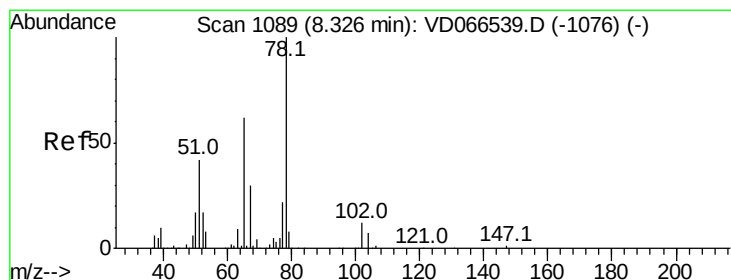
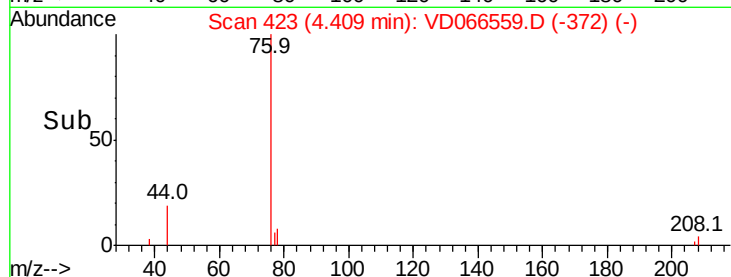
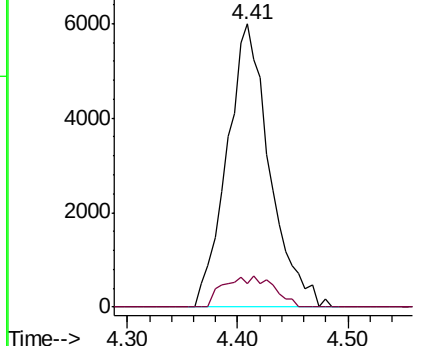
76 100

78 8.2 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 49.942 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066559.D

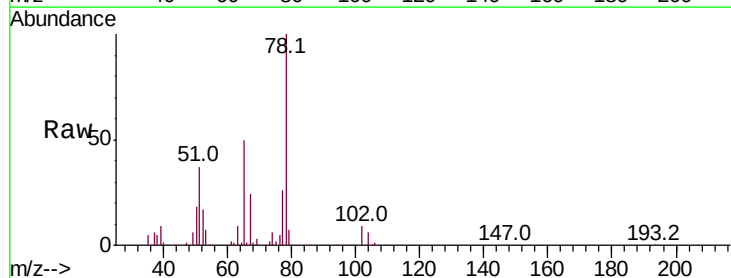
Acq: 04 Sep 2020 13:27

Tgt Ion: 65 Resp: 280920

Ion Ratio Lower Upper

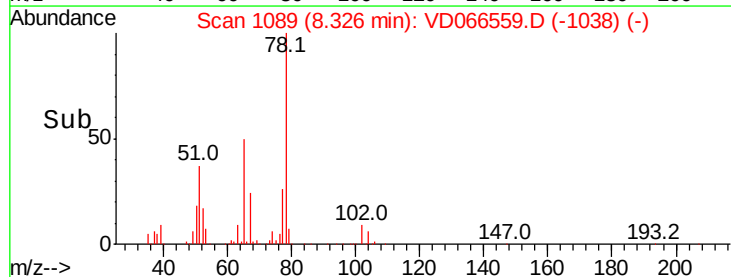
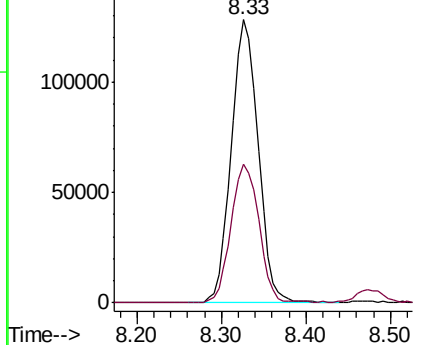
65 100

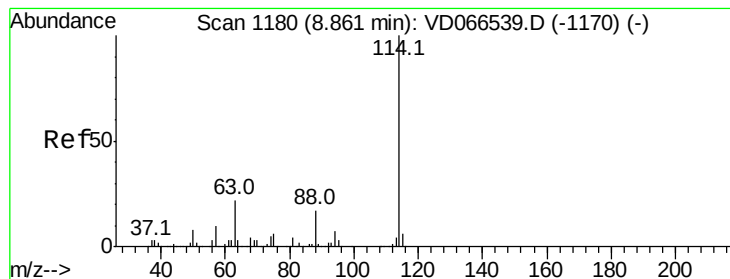
67 51.2 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066559.D

Acq: 04 Sep 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

TP-2

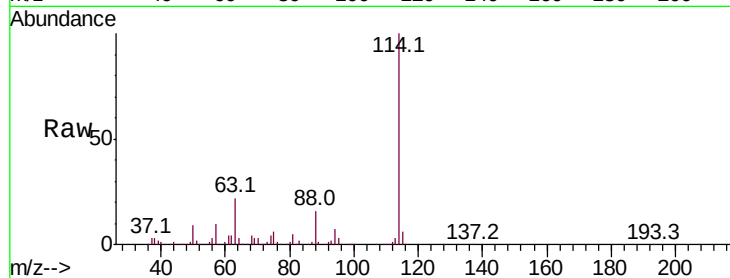
Tot Ion:114 Resp: 813680

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

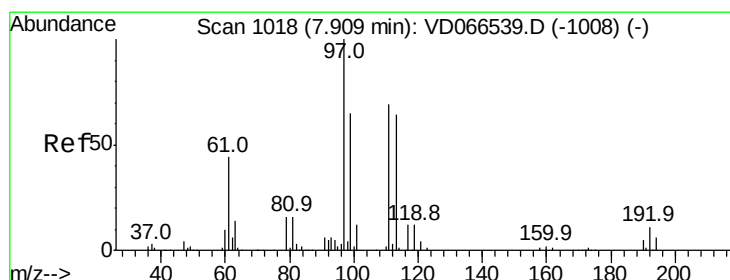
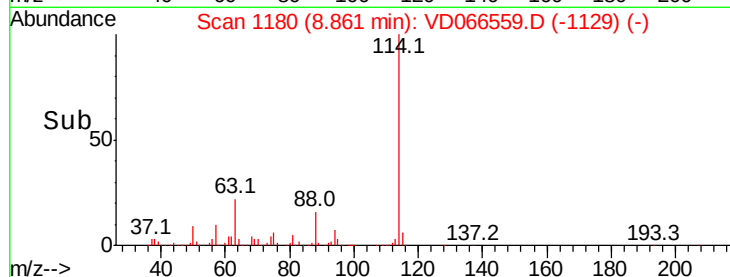
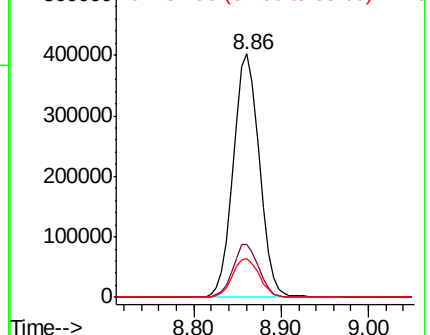
88 15.9 0.0 33.2



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: 48.825 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066559.D

Acq: 04 Sep 2020 13:27

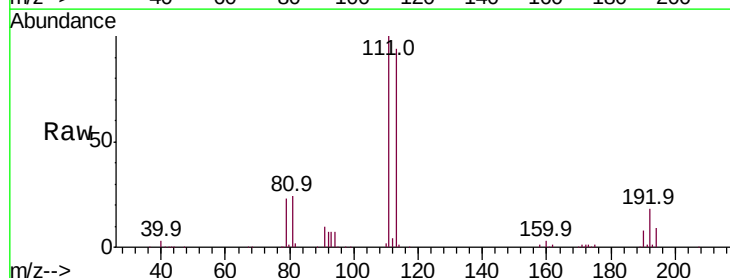
Tgt Ion:113 Resp: 268006

Ion Ratio Lower Upper

113 100

111 103.1 83.2 124.8

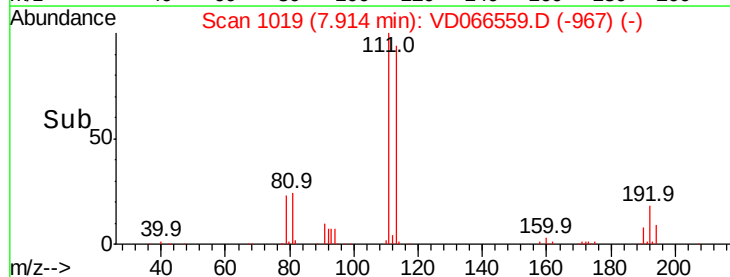
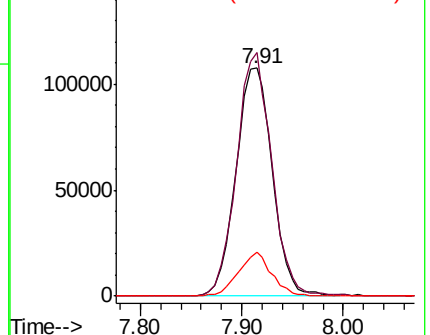
192 17.4 13.7 20.5

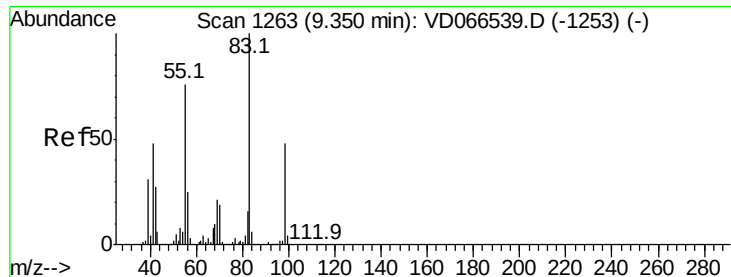


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

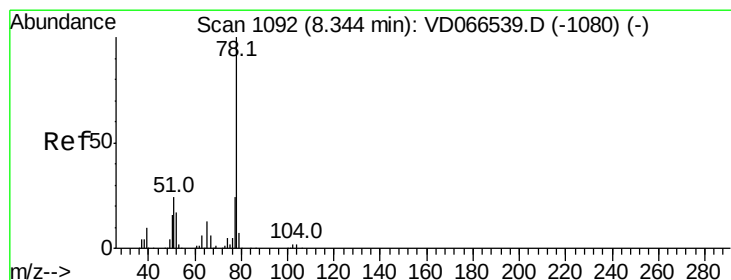
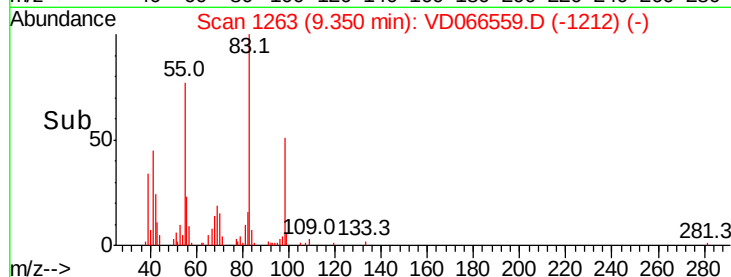
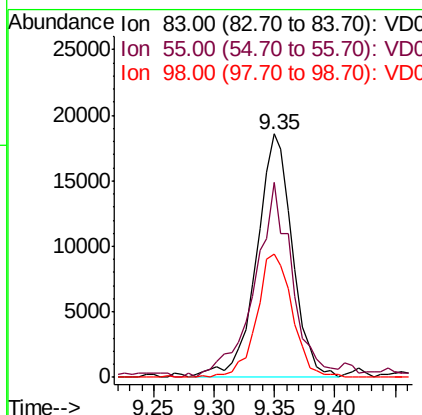
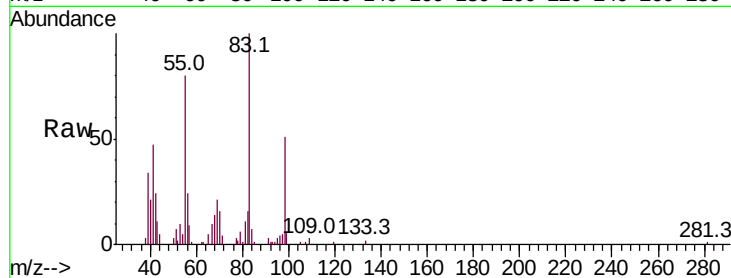




#39
Methylvlcyclohexane
Concen: 4.054 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066559.D
Acq: 04 Sep 2020 13:27

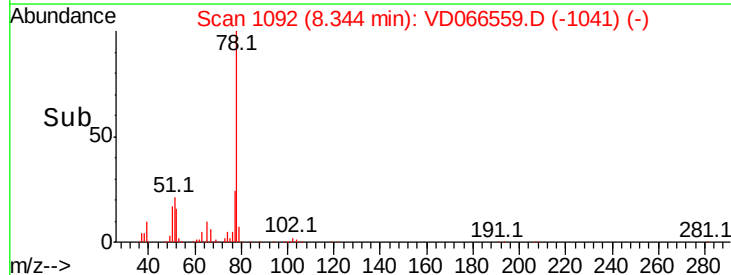
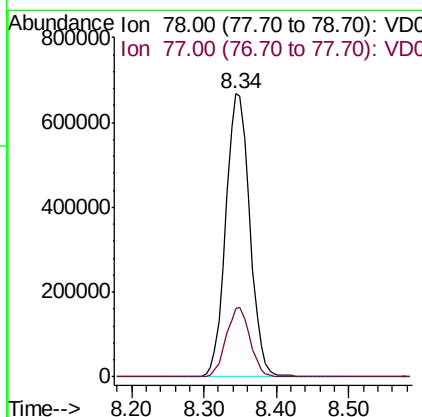
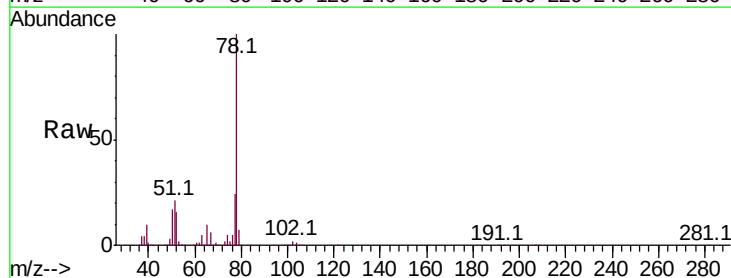
Instrument :
MSVOA_D
ClientSampled :
TP-2

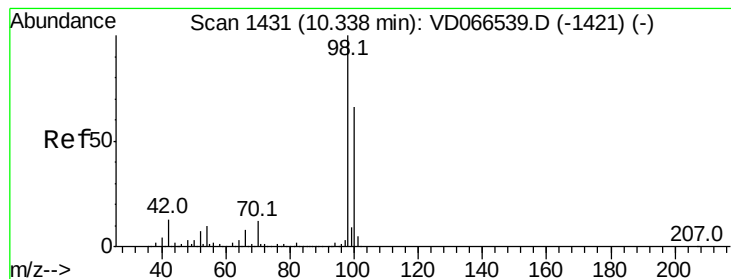
Tot Ion: 83 Resp: 38333
Ion Ratio Lower Upper
83 100
55 78.3 60.8 91.2
98 50.6 38.6 58.0



#40
Benzene
Concen: 66.328 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066559.D
Acq: 04 Sep 2020 13:27

Tgt Ion: 78 Resp: 1538262
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7





#50

Toluene-d8

Concen: 50.407 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066559.D

Acq: 04 Sep 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

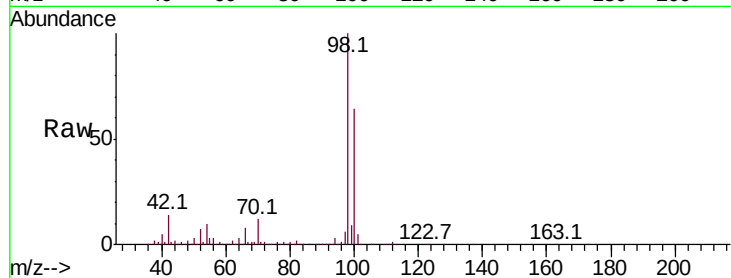
TP-2

Tot Ion: 98 Resp: 988942

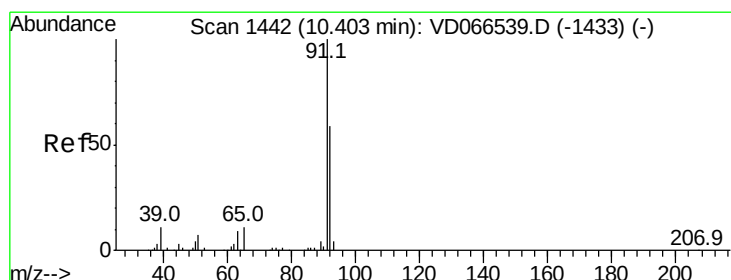
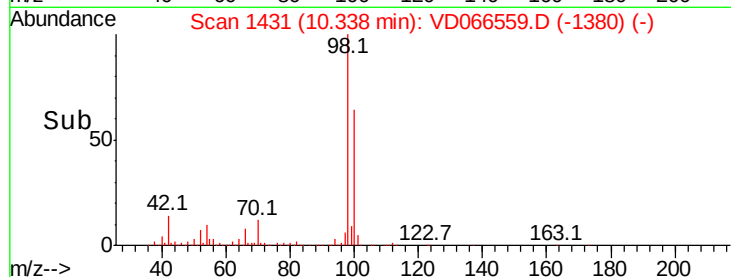
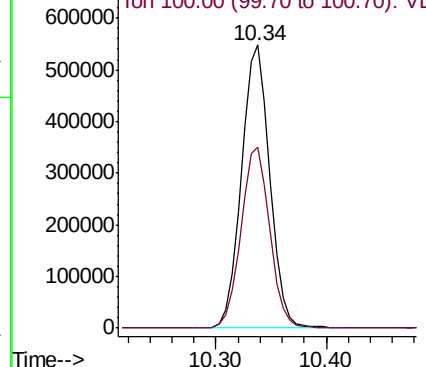
Ion Ratio Lower Upper

98 100

100 64.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC



#52

Toluene

Concen: 1.905 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066559.D

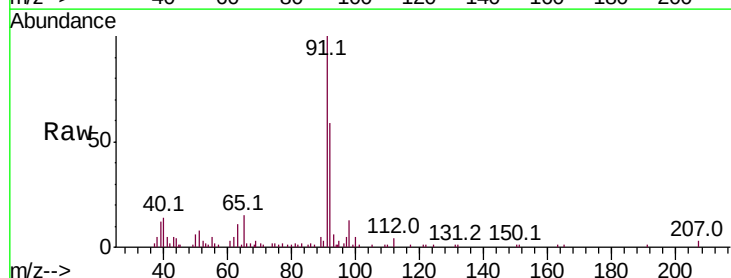
Acq: 04 Sep 2020 13:27

Tgt Ion: 92 Resp: 27971

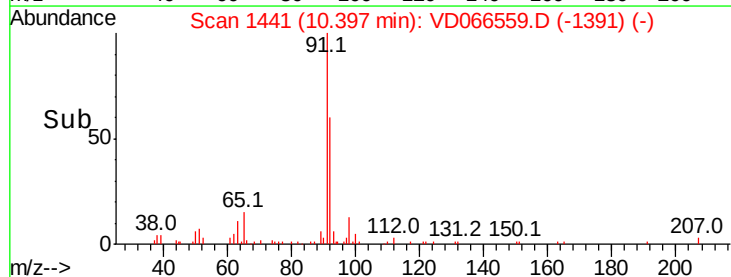
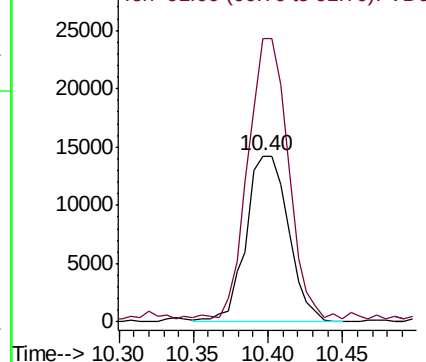
Ion Ratio Lower Upper

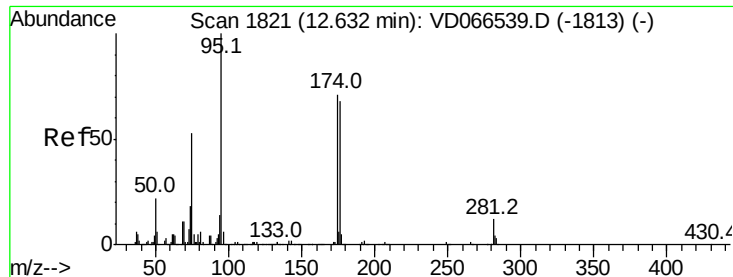
92 100

91 160.5 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

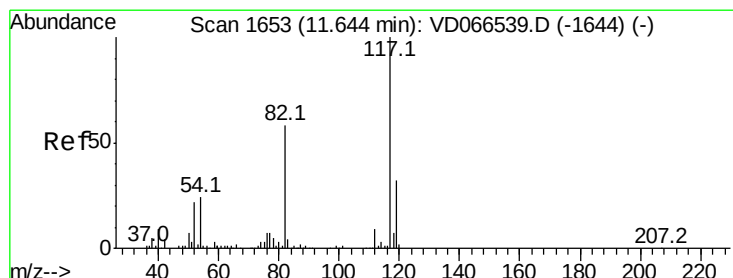
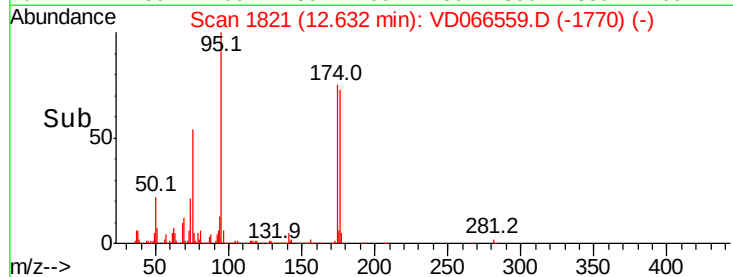
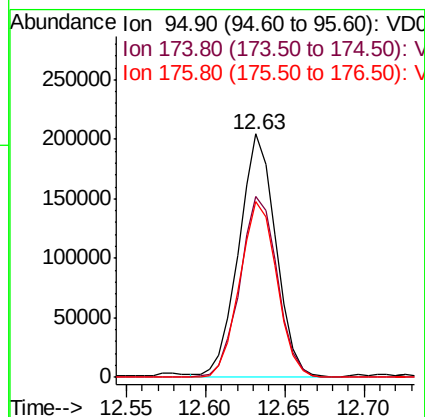
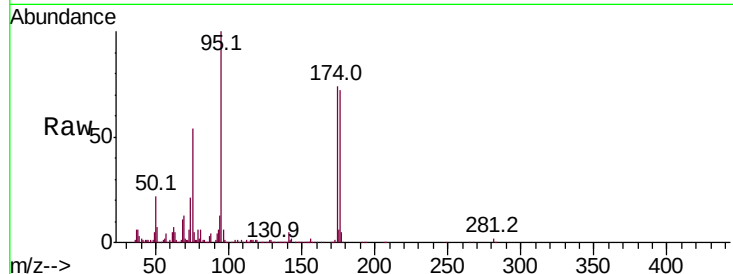




#62
4-Bromofluorobenzene
Concen: 50.349 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066559.D
Acq: 04 Sep 2020 13:27

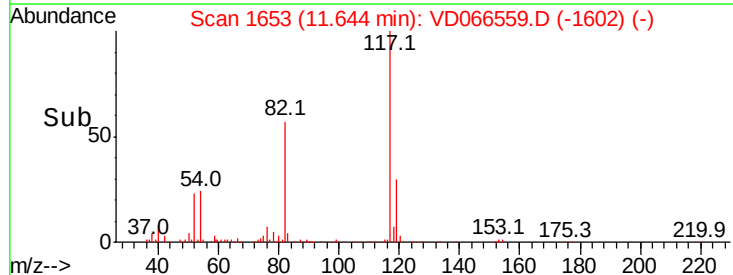
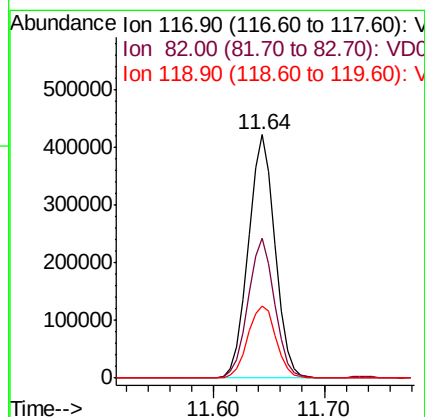
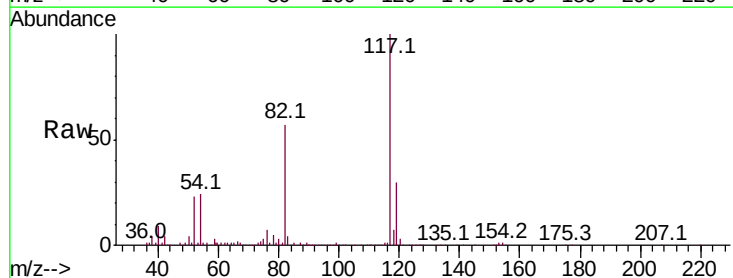
Instrument :
MSVOA_D
ClientSampleId :
TP-2

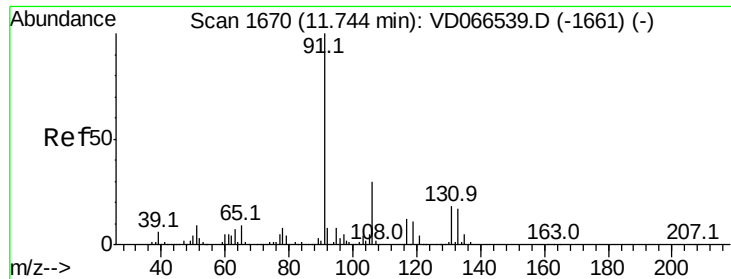
Tot Ion: 95 Resp: 327542
Ion Ratio Lower Upper
95 100
174 76.1 0.0 155.8
176 73.3 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066559.D
Acq: 04 Sep 2020 13:27

Tgt Ion: 117 Resp: 715339
Ion Ratio Lower Upper
117 100
82 57.2 46.2 69.2
119 29.7 25.8 38.8





#67

Ethyl Benzene

Concen: 43.702 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066559.D

Acq: 04 Sep 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

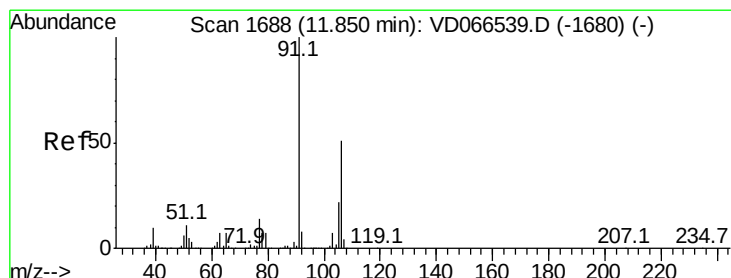
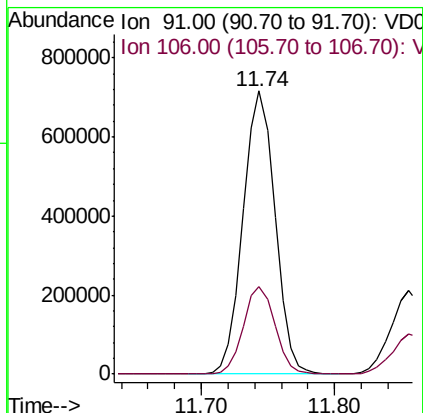
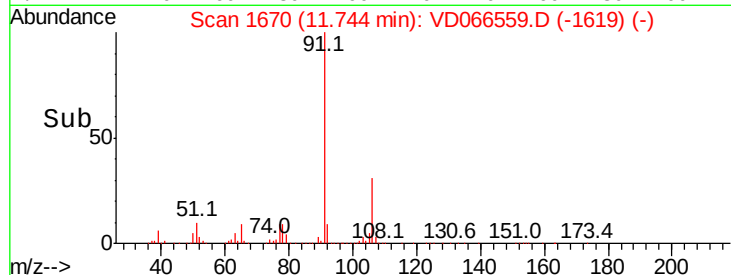
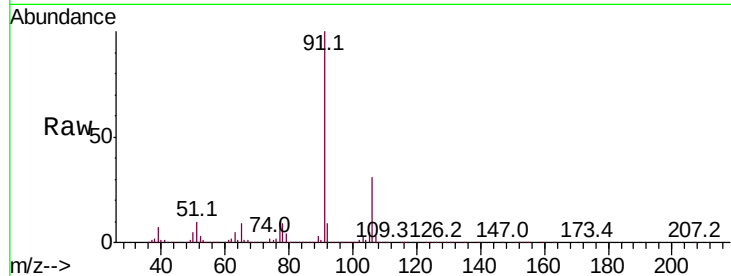
TP-2

Tot Ion: 91 Resp: 1184728

Ion Ratio Lower Upper

91 100

106 30.9 24.3 36.5



#68

m/p-Xylenes

Concen: 18.330 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VD066559.D

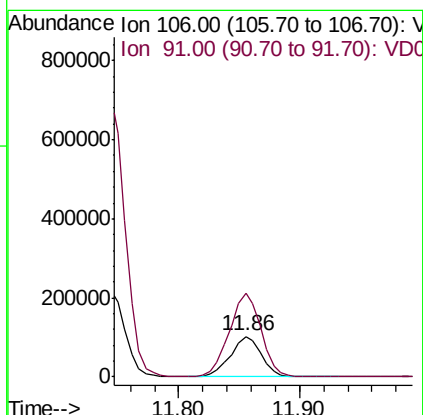
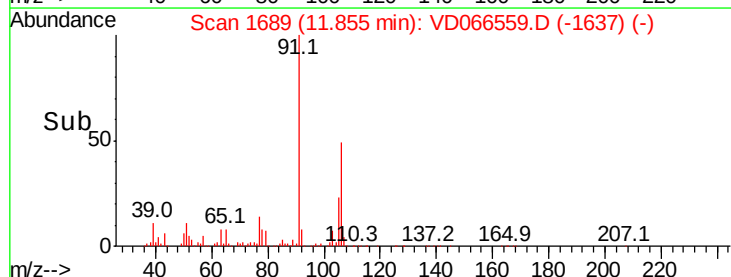
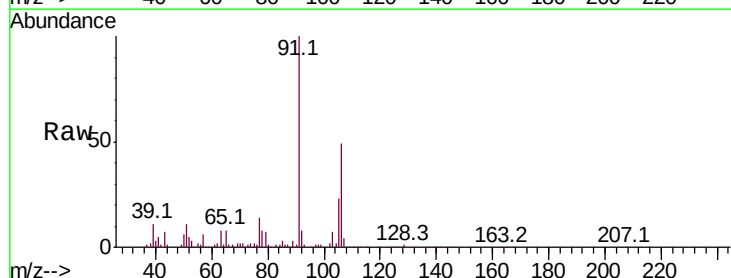
Acq: 04 Sep 2020 13:27

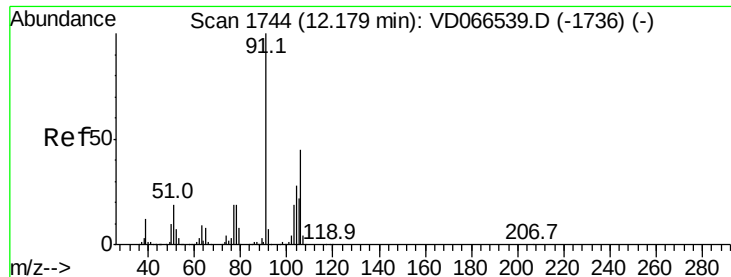
Tgt Ion: 106 Resp: 184504

Ion Ratio Lower Upper

106 100

91 207.7 162.4 243.6

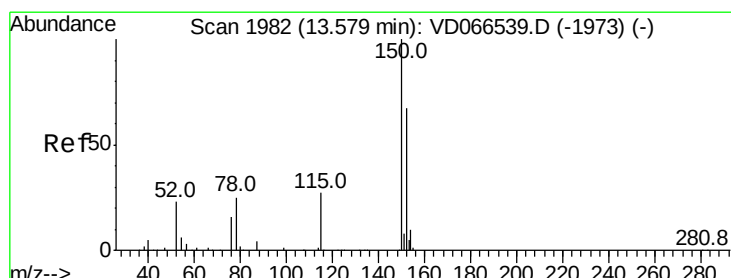
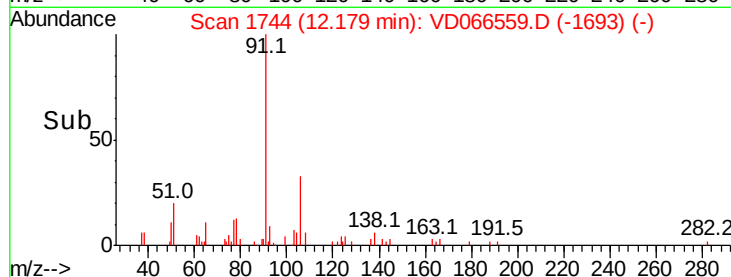
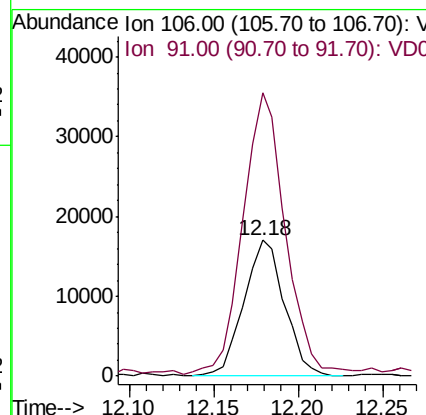
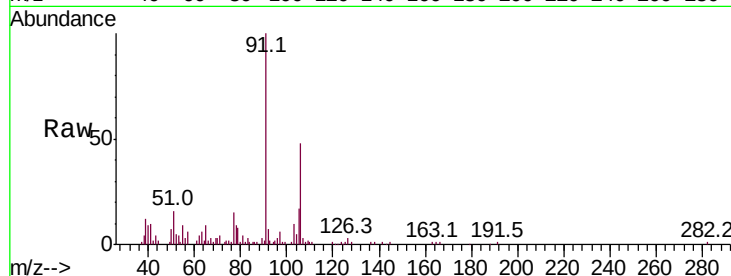




#69
o-Xylene
Concen: 3.176 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066559.D
Acq: 04 Sep 2020 13:27

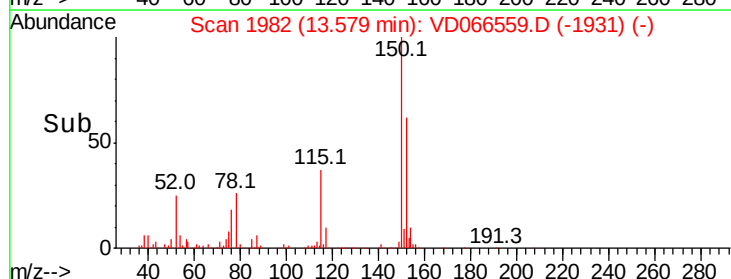
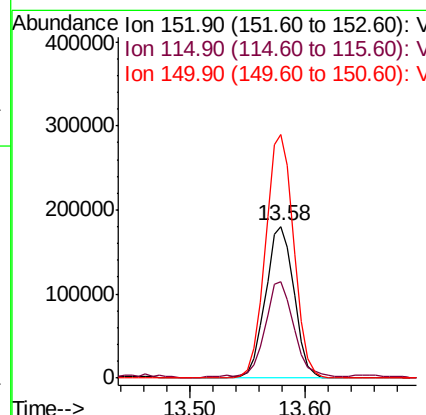
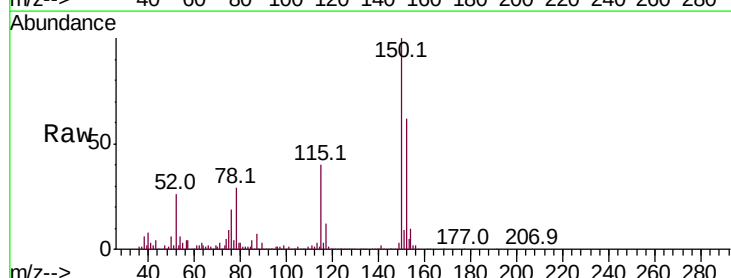
Instrument :
MSVOA_D
ClientSampled :
TP-2

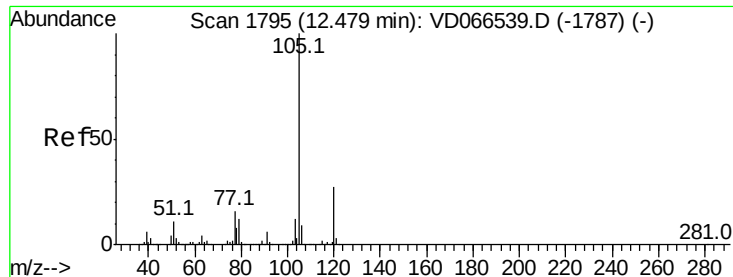
Tot Ion:106 Resp: 28654
Ion Ratio Lower Upper
106 100
91 215.2 107.9 323.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066559.D
Acq: 04 Sep 2020 13:27

Tgt Ion:152 Resp: 310536
Ion Ratio Lower Upper
152 100
115 64.4 30.4 91.2
150 158.7 0.0 345.8





#73

Isopropylbenzene

Concen: 9.212 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066559.D

Acq: 04 Sep 2020 13:27

Instrument :

MSVOA_D

ClientSampled :

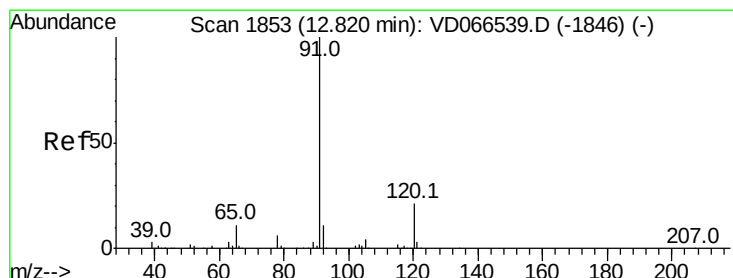
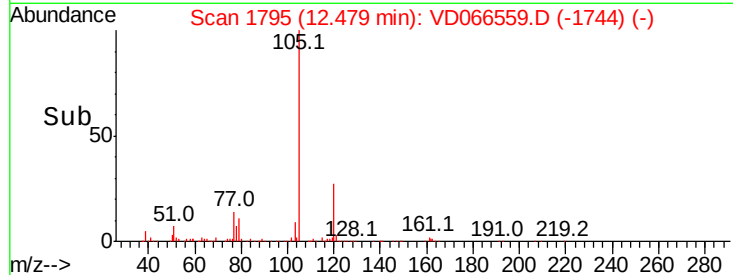
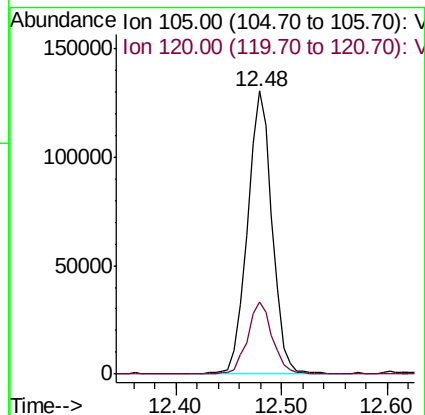
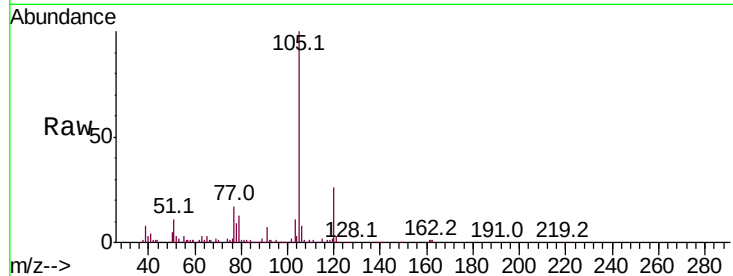
TP-2

Tot Ion:105 Resp: 211794

Ion Ratio Lower Upper

105 100

120 25.6 13.0 39.0



#78

n-propylbenzene

Concen: 3.273 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066559.D

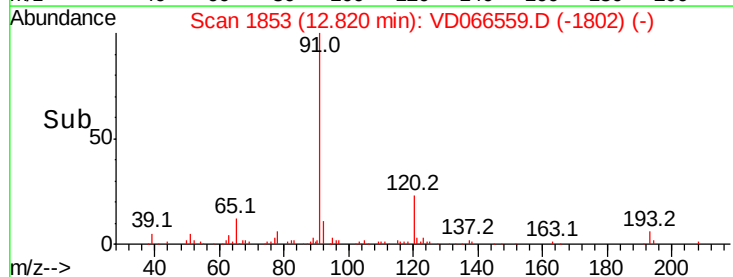
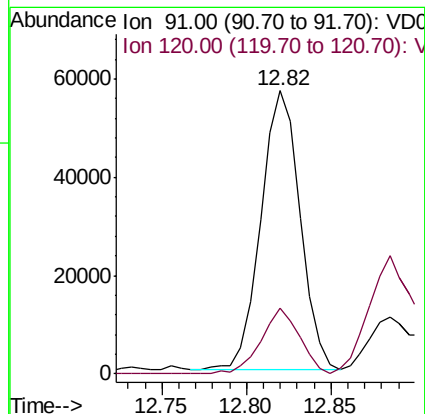
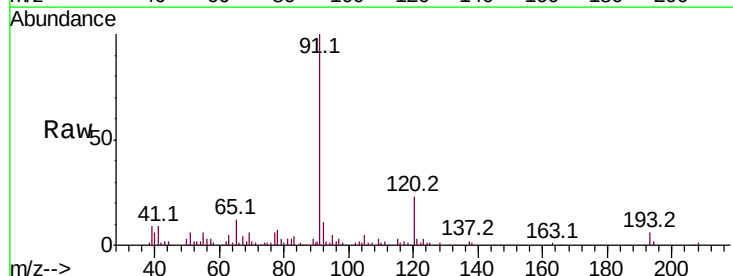
Acq: 04 Sep 2020 13:27

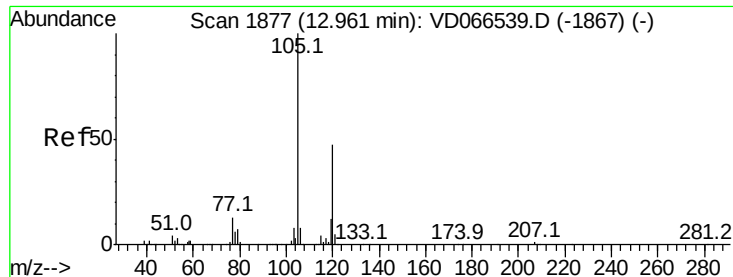
Tgt Ion: 91 Resp: 91212

Ion Ratio Lower Upper

91 100

120 23.2 11.1 33.1





#80

1,3,5-Trimethylbenzene

Concen: 6.833 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066559.D

Acq: 04 Sep 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

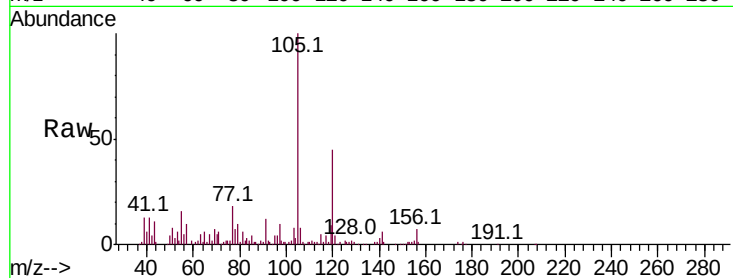
TP-2

Tot Ion:105 Resp: 132235

Ion Ratio Lower Upper

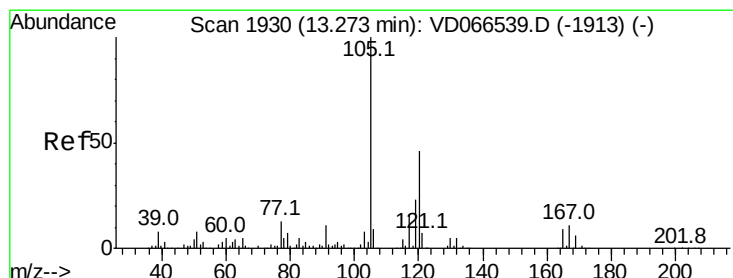
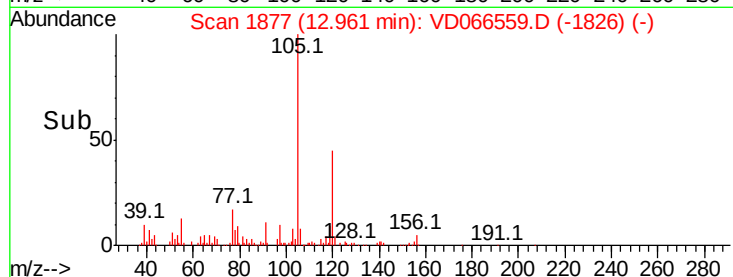
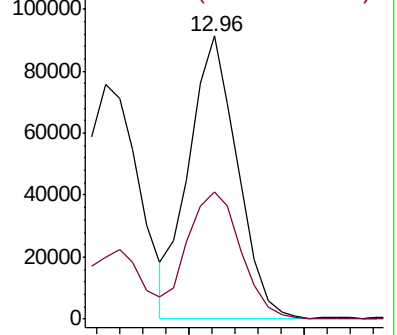
105 100

120 50.2 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.603 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD066559.D

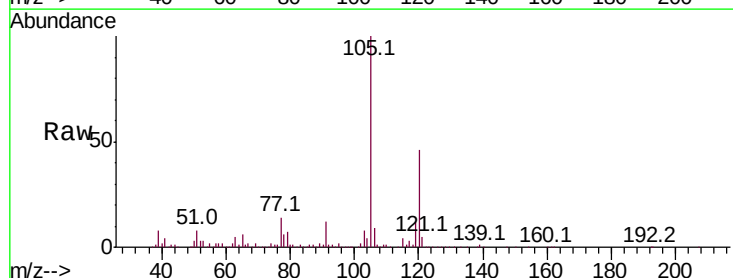
Acq: 04 Sep 2020 13:27

Tgt Ion:105 Resp: 377691

Ion Ratio Lower Upper

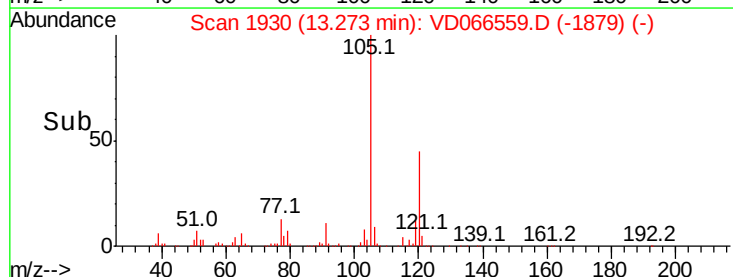
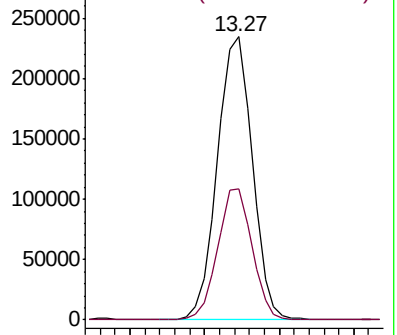
105 100

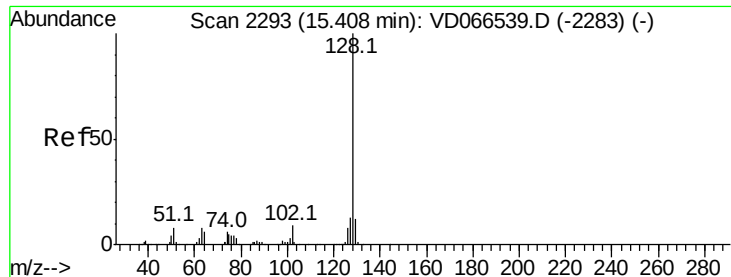
120 46.1 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 379.976 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066559.D

Acq: 04 Sep 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

TP-2

Tot Ion:128 Resp: 3544434

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

129 10.9 9.1 13.7

