

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052319\
 Data File : VD062520.D
 Acq On : 23 May 2019 14:20
 Operator : VA/AP
 Sample : K2996-02RE
 Misc : 6.20g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-2(0.5-1.0)RE

Quant Time: May 24 01:43:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	508849	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	690828	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	468490	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	174858	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	198595	36.46	ug/l	-0.02
Spiked Amount			Recovery	=	72.92%	
35) Dibromofluoromethane	6.92	113	244881	39.29	ug/l	-0.02
Spiked Amount			Recovery	=	78.58%	
50) Toluene-d8	10.41	98	469238	34.41	ug/l	-0.02
Spiked Amount			Recovery	=	68.82%	
62) 4-Bromofluorobenzene	13.56	95	191259	32.06	ug/l	-0.01
Spiked Amount			Recovery	=	64.12%	

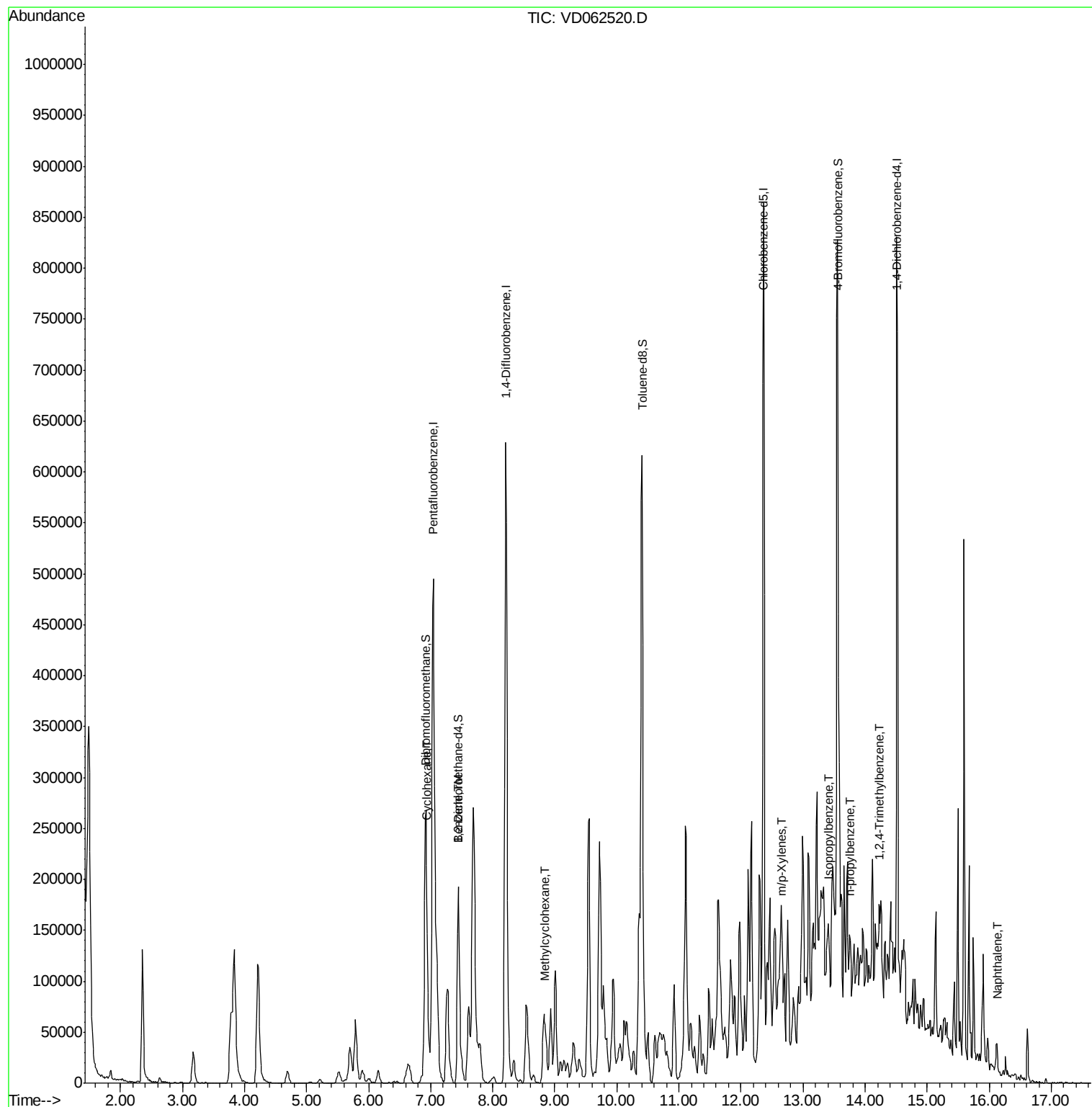
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	6.94	56	14415	2.803	ug/l	93
39) Methylcyclohexane	8.85	83	30114	5.528	ug/l #	89
40) Benzene	7.44	78	18198	1.405	ug/l	98
68) m/p-Xylenes	12.67	106	10017	1.798	ug/l #	72
73) Isopropylbenzene	13.40	105	11371	1.032	ug/l	93
78) n-propylbenzene	13.77	91	18471	1.447	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	23636	2.417	ug/l	91
95) Naphthalene	16.12	128	15060	2.981	ug/l #	78

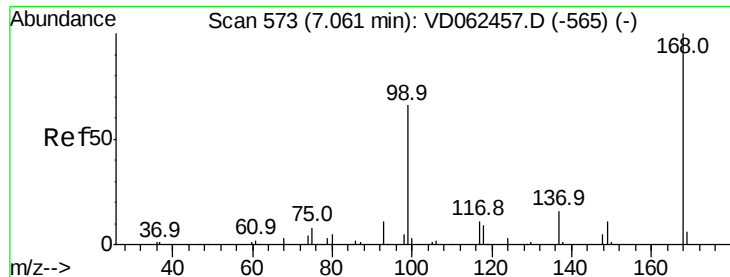
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052319\
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P-2(0.5-1.0)RE

Quant Time: May 24 01:43:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD062520.D

Acq: 23 May 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

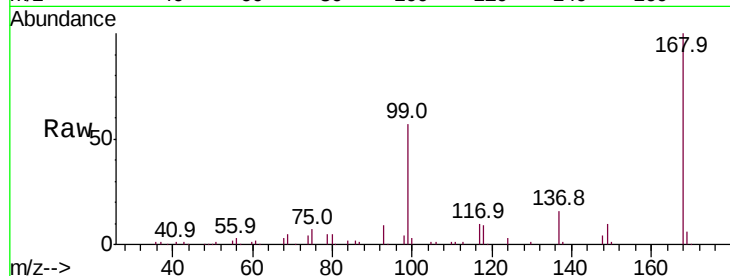
P-2(0.5-1.0)RE

Tot Ion:168 Resp: 508849

Ion Ratio Lower Upper

168 100

99 57.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

200000

150000

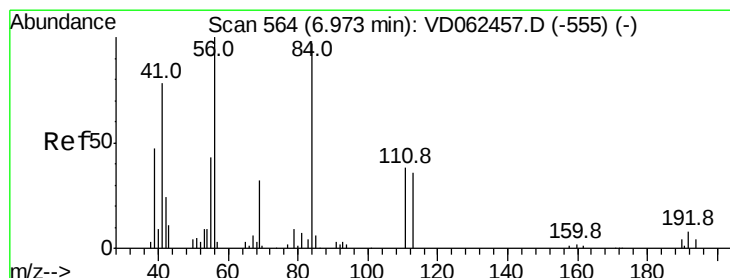
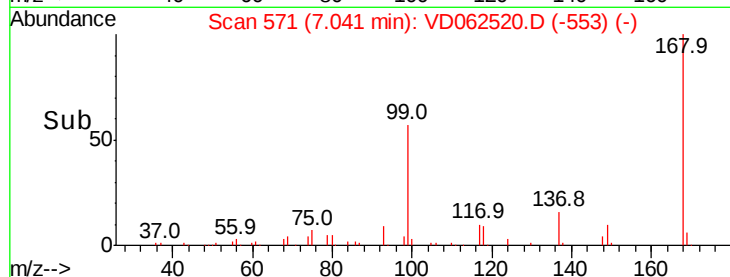
100000

50000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#31

Cyclohexane

Concen: 2.803 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.03 min

Lab File: VD062520.D

Acq: 23 May 2019 14:20

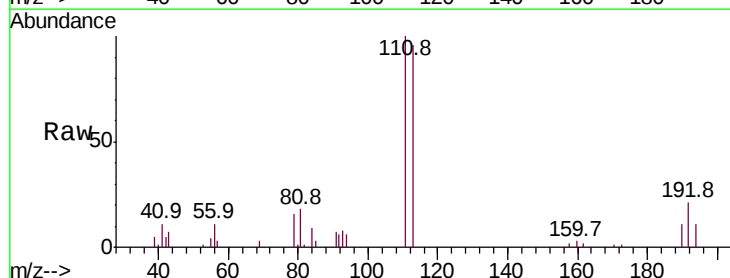
Tgt Ion: 56 Resp: 14415

Ion Ratio Lower Upper

56 100

69 30.5 25.8 38.6

84 82.7 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

12000

10000

8000

6000

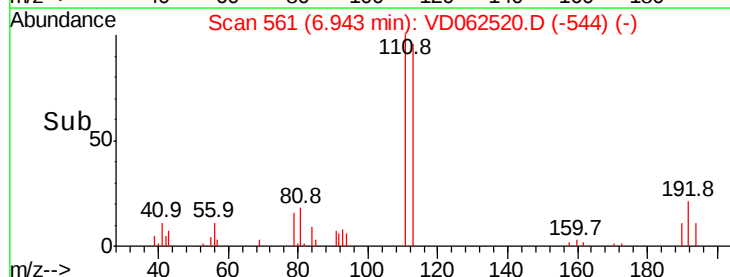
4000

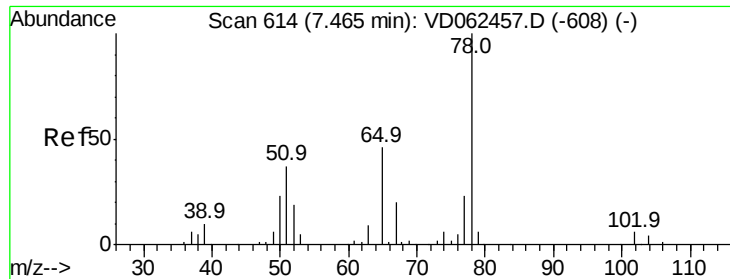
2000

0

Time-->

6.90 6.95 7.00





#33

1,2-Dichloroethane-d4

Concen: 36.460 ug/l

RT: 7.44 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062520.D

Acq: 23 May 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

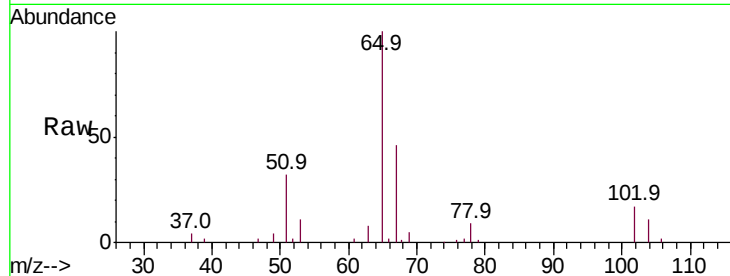
P-2(0.5-1.0)RE

Tot Ion: 65 Resp: 198595

Ion Ratio Lower Upper

65 100

67 45.6 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

80000

60000

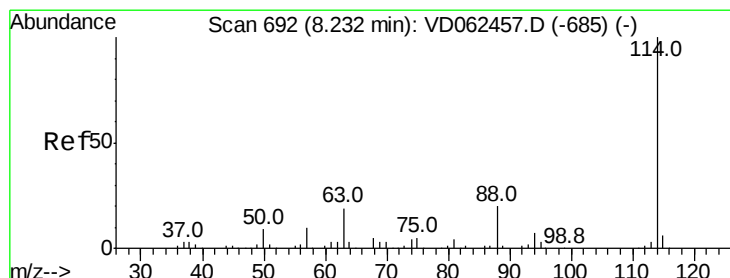
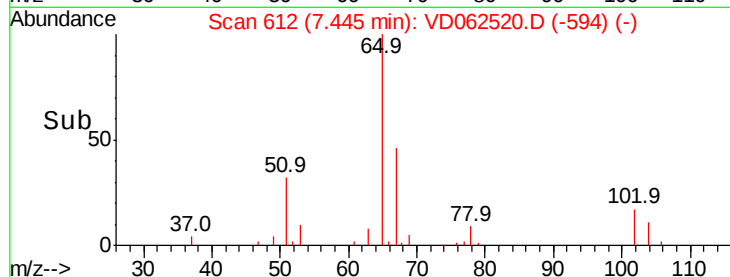
40000

20000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD062520.D

Acq: 23 May 2019 14:20

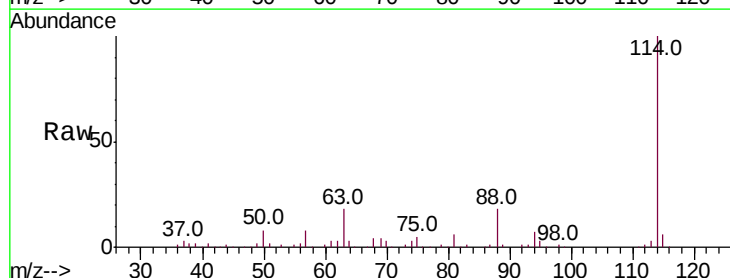
Tgt Ion: 114 Resp: 690828

Ion Ratio Lower Upper

114 100

63 18.2 0.0 32.4

88 17.9 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.21

300000

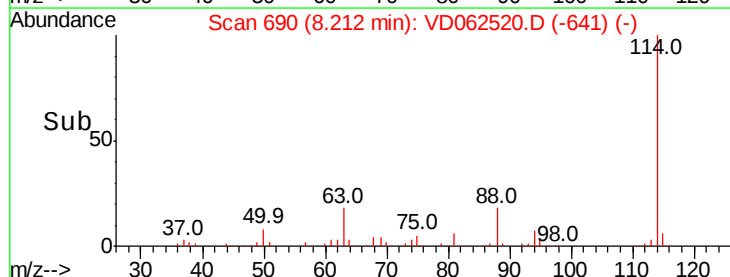
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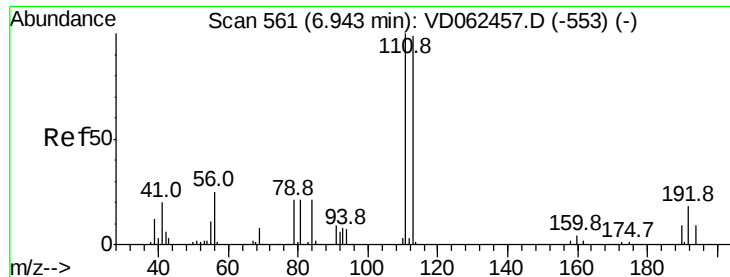
100000

0

Time-->

8.20 8.40





#35

Dibromofluoromethane

Concen: 39.293 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD062520.D

Acq: 23 May 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

P-2(0.5-1.0)RE

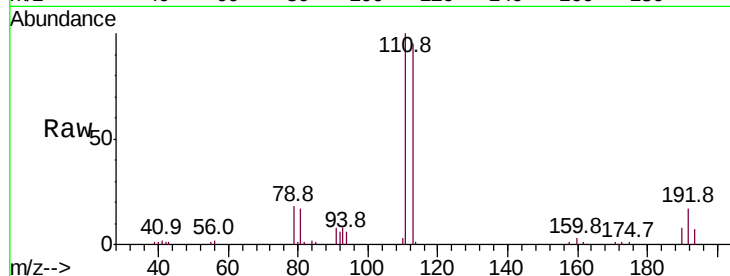
Tot Ion:113 Resp: 244881

Ion Ratio Lower Upper

113 100

111 105.3 78.5 117.7

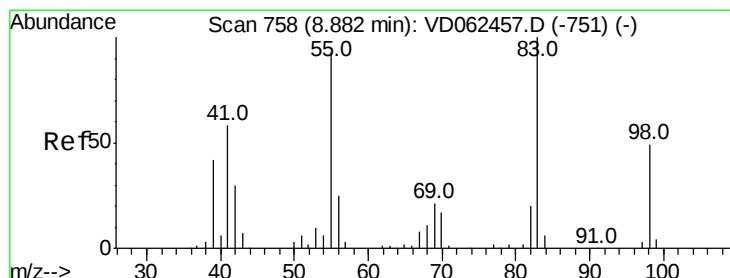
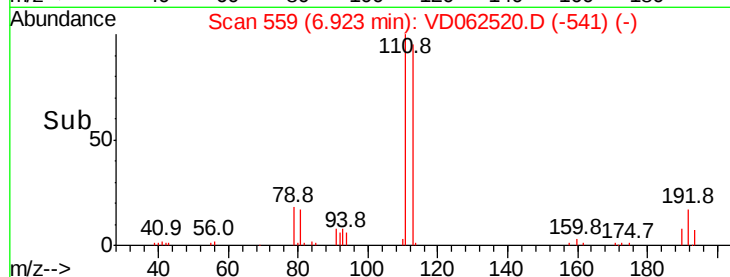
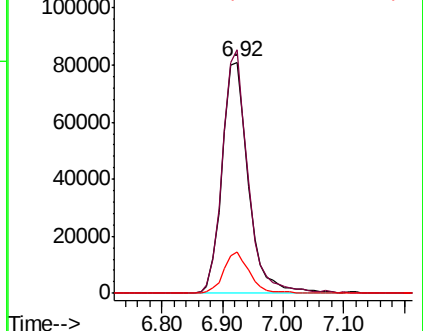
192 17.9 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#39

Methylcyclohexane

Concen: 5.528 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.03 min

Lab File: VD062520.D

Acq: 23 May 2019 14:20

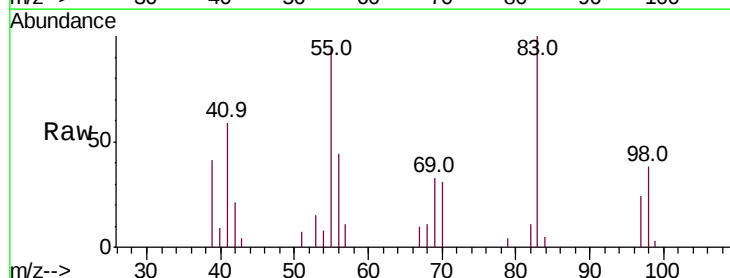
Tgt Ion: 83 Resp: 30114

Ion Ratio Lower Upper

83 100

55 93.9 68.2 102.4

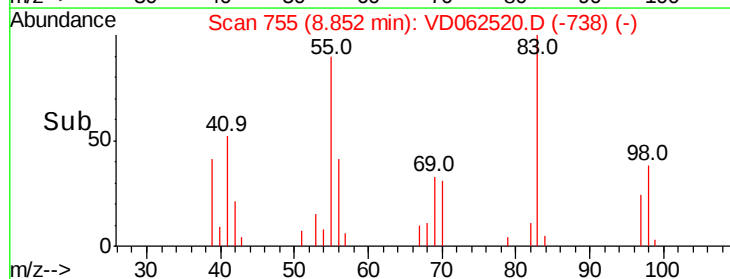
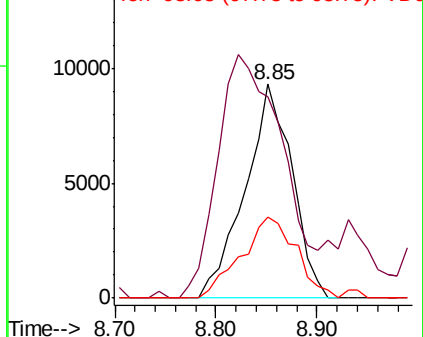
98 37.7 38.2 57.4#

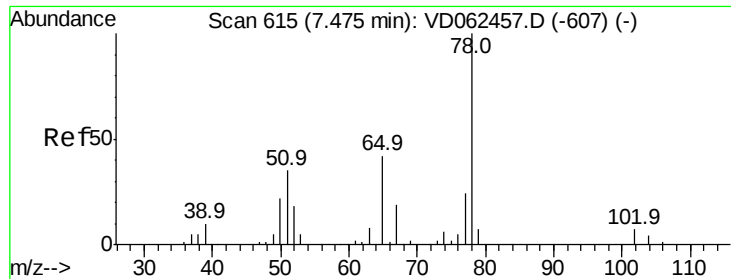


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V





#40

Benzene

Concen: 1.405 ug/l

RT: 7.44 min Scan# 612

Delta R.T. -0.03 min

Lab File: VD062520.D

Acq: 23 May 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

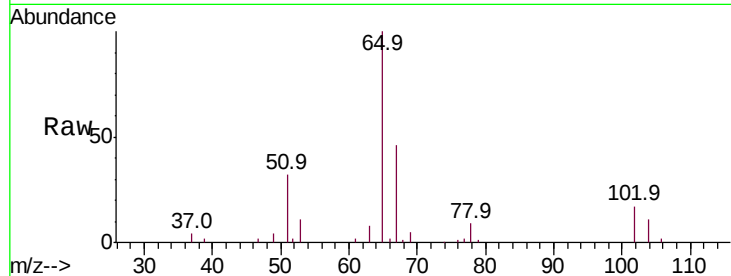
P-2(0.5-1.0)RE

Tot Ion: 78 Resp: 18198

Ion Ratio Lower Upper

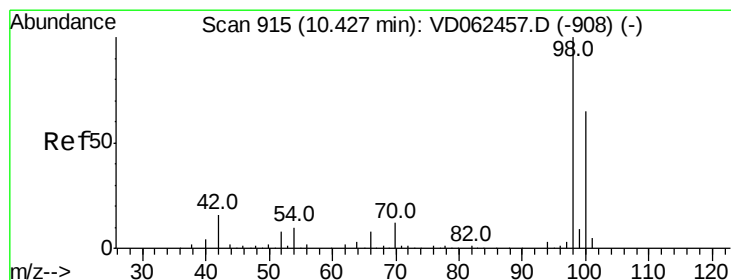
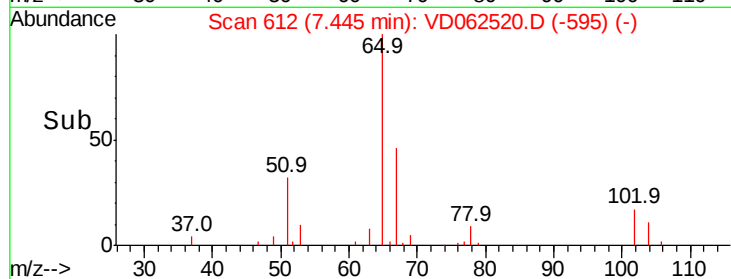
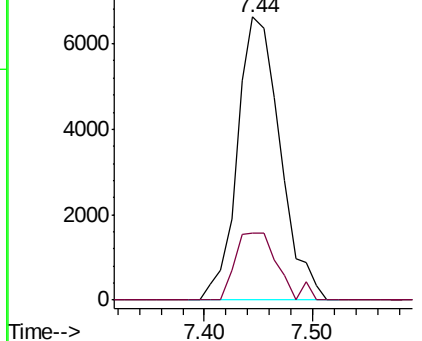
78 100

77 23.5 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: 34.406 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.02 min

Lab File: VD062520.D

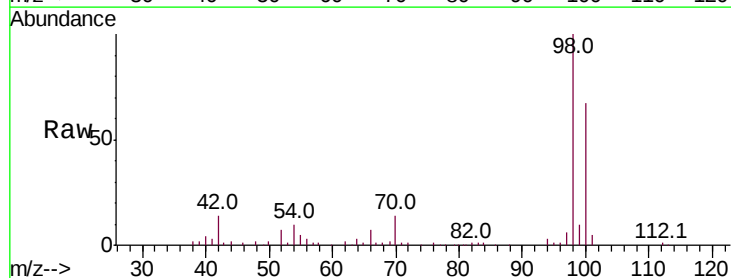
Acq: 23 May 2019 14:20

Tgt Ion: 98 Resp: 469238

Ion Ratio Lower Upper

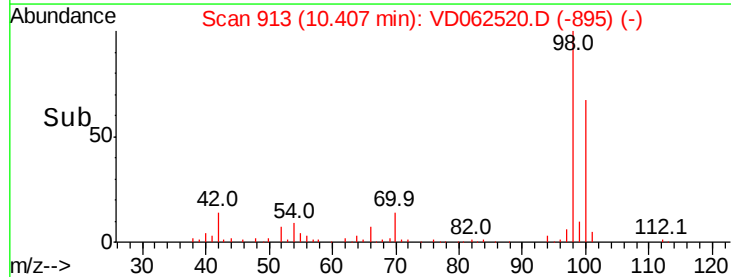
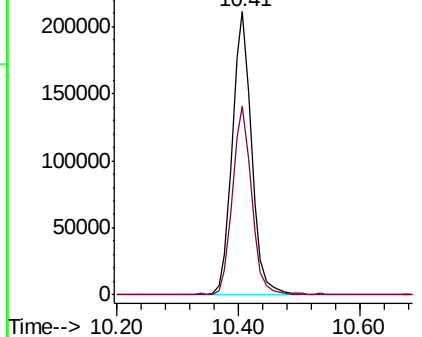
98 100

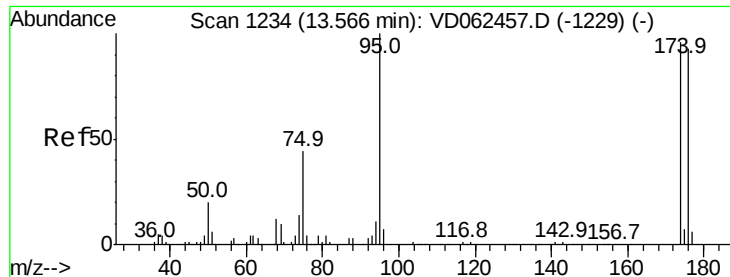
100 66.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

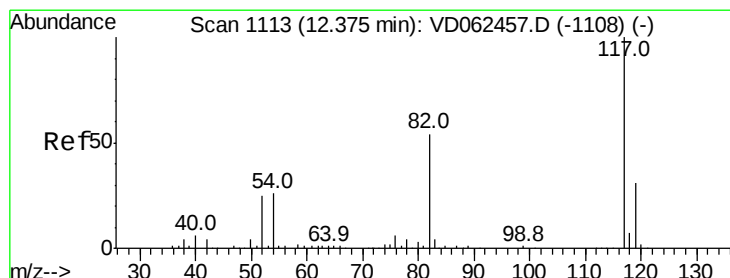
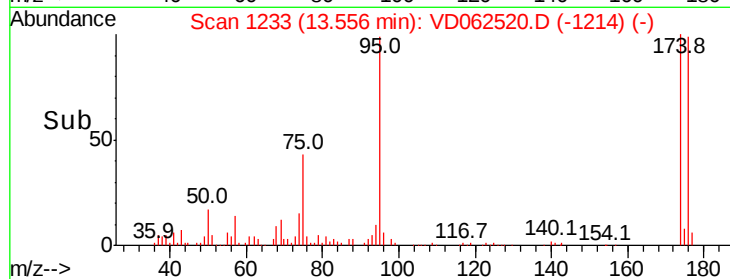
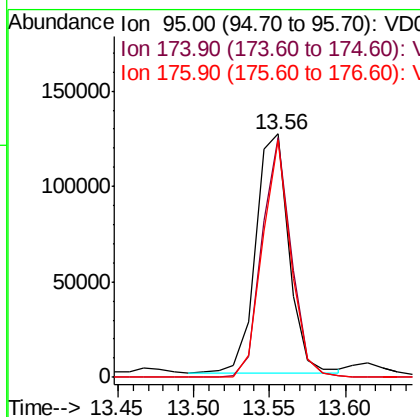
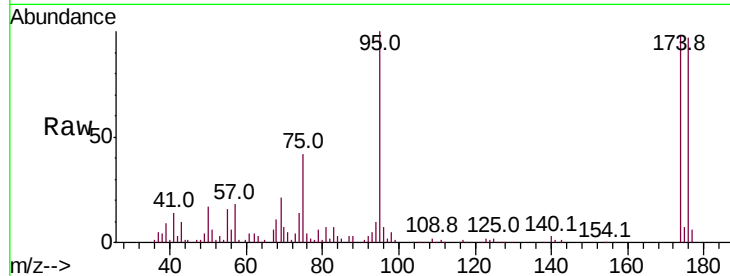




#62
4-Bromofluorobenzene
Concen: 32.059 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.01 min
Lab File: VD062520.D
Acq: 23 May 2019 14:20

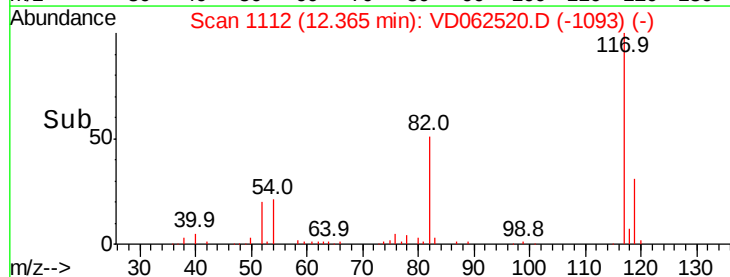
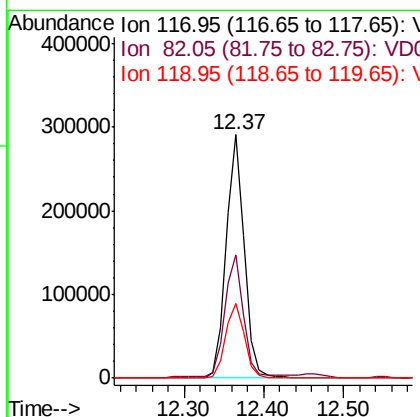
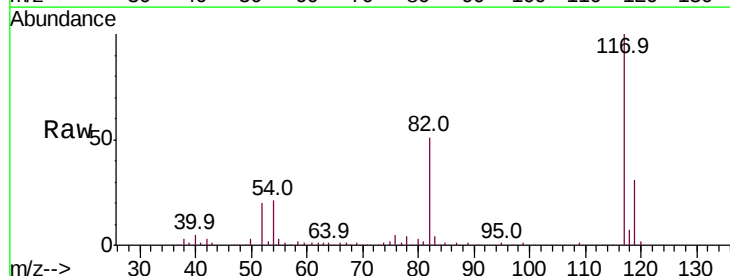
Instrument :
MSVOA_D
ClientSampleId :
P-2(0.5-1.0)RE

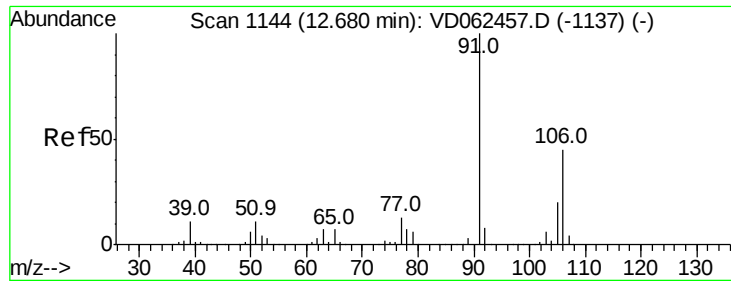
Tot Ion	Ratio	Lower	Upper
95	100		
174	98.4	0.0	181.8
176	97.4	0.0	174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062520.D
Acq: 23 May 2019 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.8	36.2	54.2
119	30.7	26.2	39.4

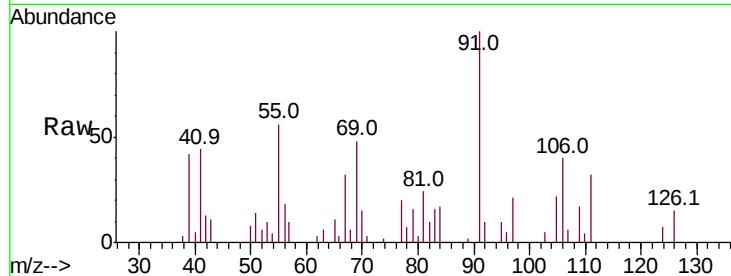




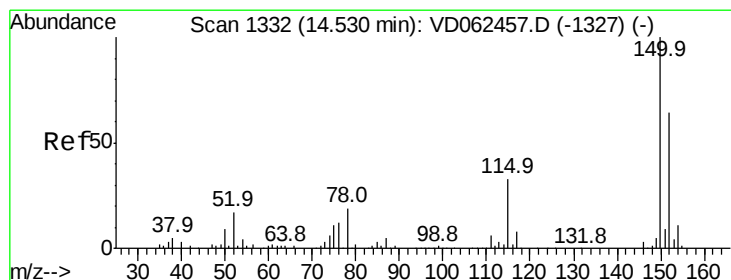
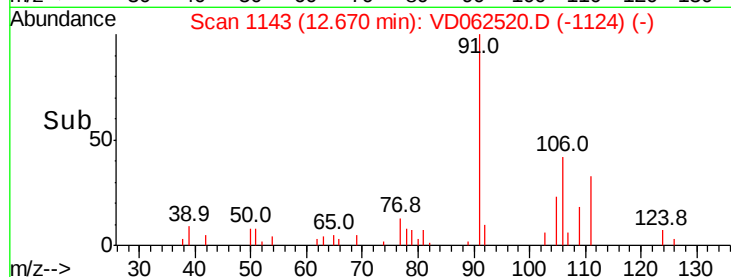
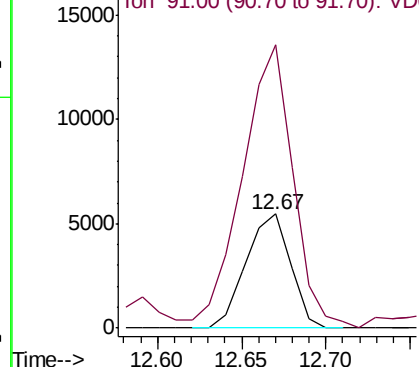
#68
m/p-Xvlenes
Concen: 1.798 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VD062520.D
Acq: 23 May 2019 14:20

Instrument :
MSVOA_D
ClientSampleId :
P-2(0.5-1.0)RE

Tot Ion:106 Resp: 10017
Ion Ratio Lower Upper
106 100
91 248.4 164.0 246.0#

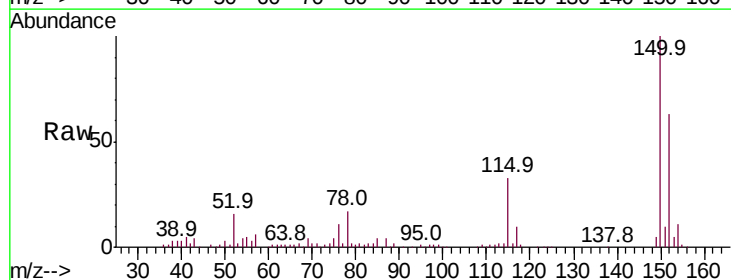


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

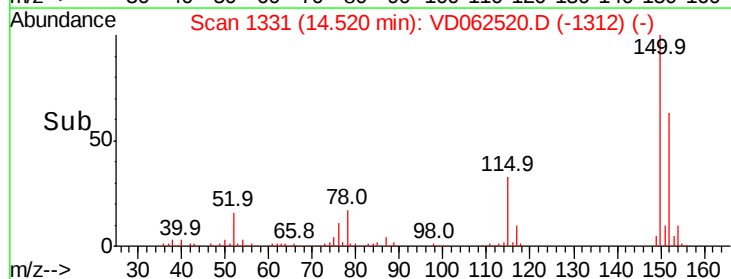
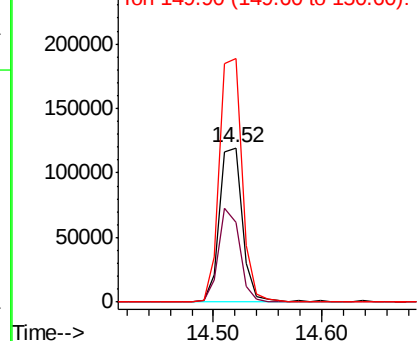


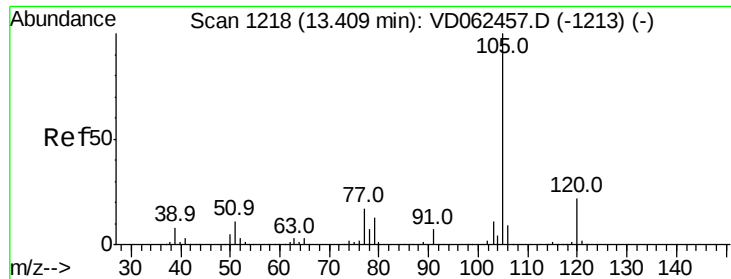
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD062520.D
Acq: 23 May 2019 14:20

Tgt Ion:152 Resp: 174858
Ion Ratio Lower Upper
152 100
115 52.0 30.9 92.7
150 158.0 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.032 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD062520.D

Acq: 23 May 2019 14:20

Instrument :

MSVOA_D

ClientSampleId :

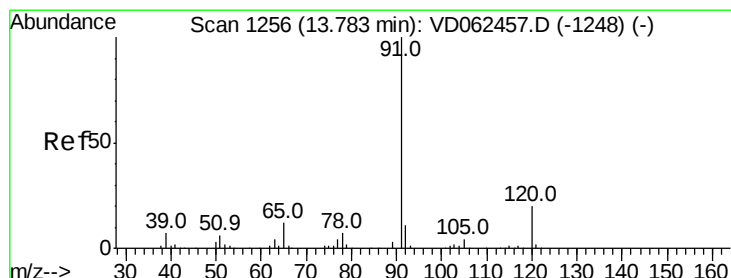
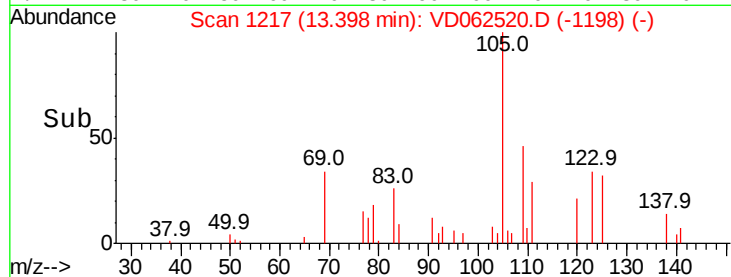
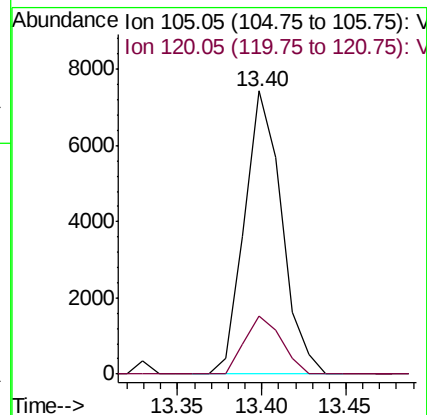
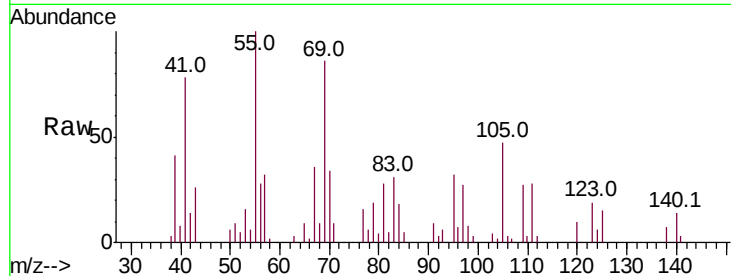
P-2(0.5-1.0)RE

Tot Ion:105 Resp: 11371

Ion Ratio Lower Upper

105 100

120 20.7 12.0 36.1



#78

n-propylbenzene

Concen: 1.447 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD062520.D

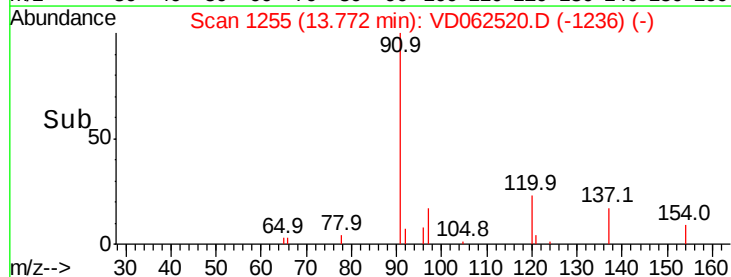
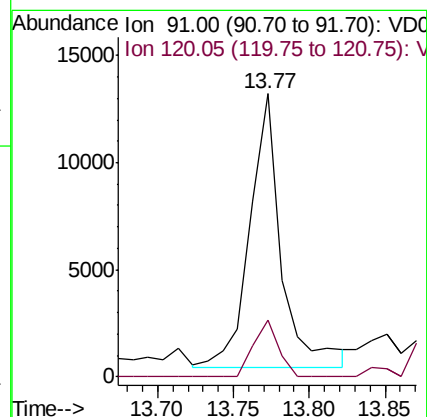
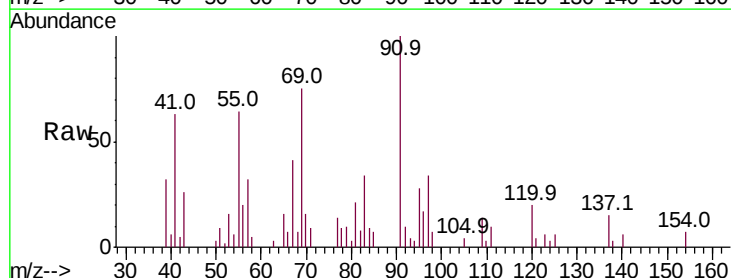
Acq: 23 May 2019 14:20

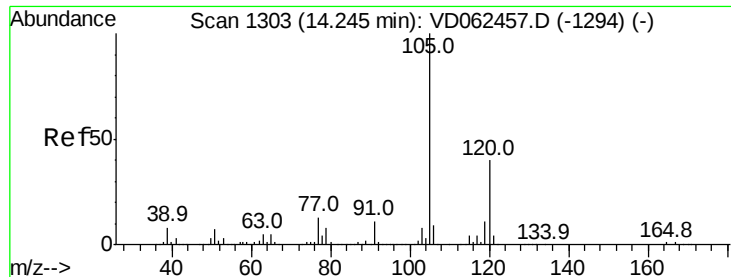
Tgt Ion: 91 Resp: 18471

Ion Ratio Lower Upper

91 100

120 20.2 11.1 33.1

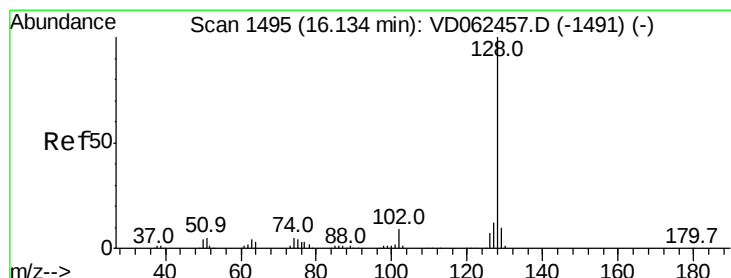
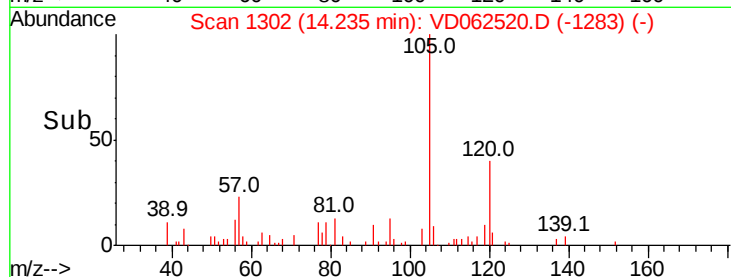
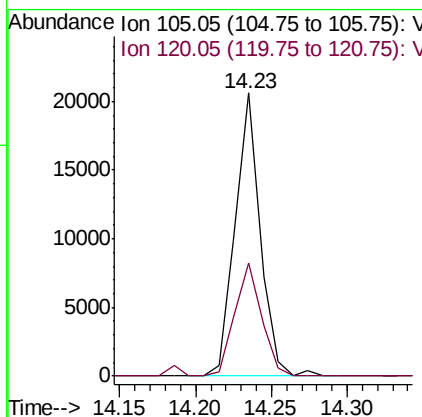
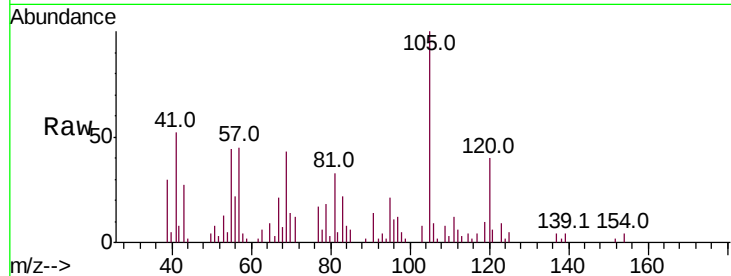




#84
 1,2,4-Trimethylbenzene
 Concen: 2.417 ug/l
 RT: 14.23 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD062520.D
 Acq: 23 May 2019 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 P-2(0.5-1.0)RE

Tot Ion:105 Resp: 23636
 Ion Ratio Lower Upper
 105 100
 120 40.1 23.1 69.2



#95
 Naphthalene
 Concen: 2.981 ug/l
 RT: 16.12 min Scan# 1494
 Delta R.T. -0.01 min
 Lab File: VD062520.D
 Acq: 23 May 2019 14:20

Tgt Ion:128 Resp: 15060
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.8 14.8#
 129 15.7 8.8 13.2#

