

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
 Data File : VD062505.D
 Acq On : 22 May 2019 16:21
 Operator : VA/AP
 Sample : K2996-04
 Misc : 5.91q/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-3(0.5-1.0)

Manual Integrations
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MMDadoda
 5/23/2019 11:21:23 AM

Quant Time: May 23 04:01:27 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	7.03	168	23393	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	35064	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	31911	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	15713	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	14729	58.82	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	117.64%	
35) Dibromofluoromethane	6.90	113	13420	42.43	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	84.86%	
50) Toluene-d8	10.40	98	30939	44.69	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	89.38%	
62) 4-Bromofluorobenzene	13.54	95	15500	51.19	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	102.38%	
Target Compounds						
						Qvalue
31) Cyclohexane	6.95	56	95158	402.472	ug/l #	52
39) Methylcyclohexane	8.85	83	80445	290.937	ug/l	91
67) Ethyl Benzene	12.51	91	689328	652.159	ug/l	96
68) m/p-Xylenes	12.66	106	622084	1639.568	ug/l	91
69) o-Xylene	13.03	106	6951	19.417	ug/l	92
73) Isopropylbenzene	13.39	105	279506	282.201	ug/l	97
78) n-propylbenzene	13.76	91	296335	258.296	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	493028	574.906	ug/l	94
84) 1,2,4-Trimethylbenzene	14.22	105	1633725	1859.163	ug/l	94
85) sec-Butylbenzene	14.36	105	30759m	31.010	ug/l	
86) p-Isopropyltoluene	14.48	119	12038m	13.392	ug/l	
89) n-Butylbenzene	14.78	91	49178m	56.690	ug/l	
95) Naphthalene	16.11	128	599635	1320.982	ug/l	99

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

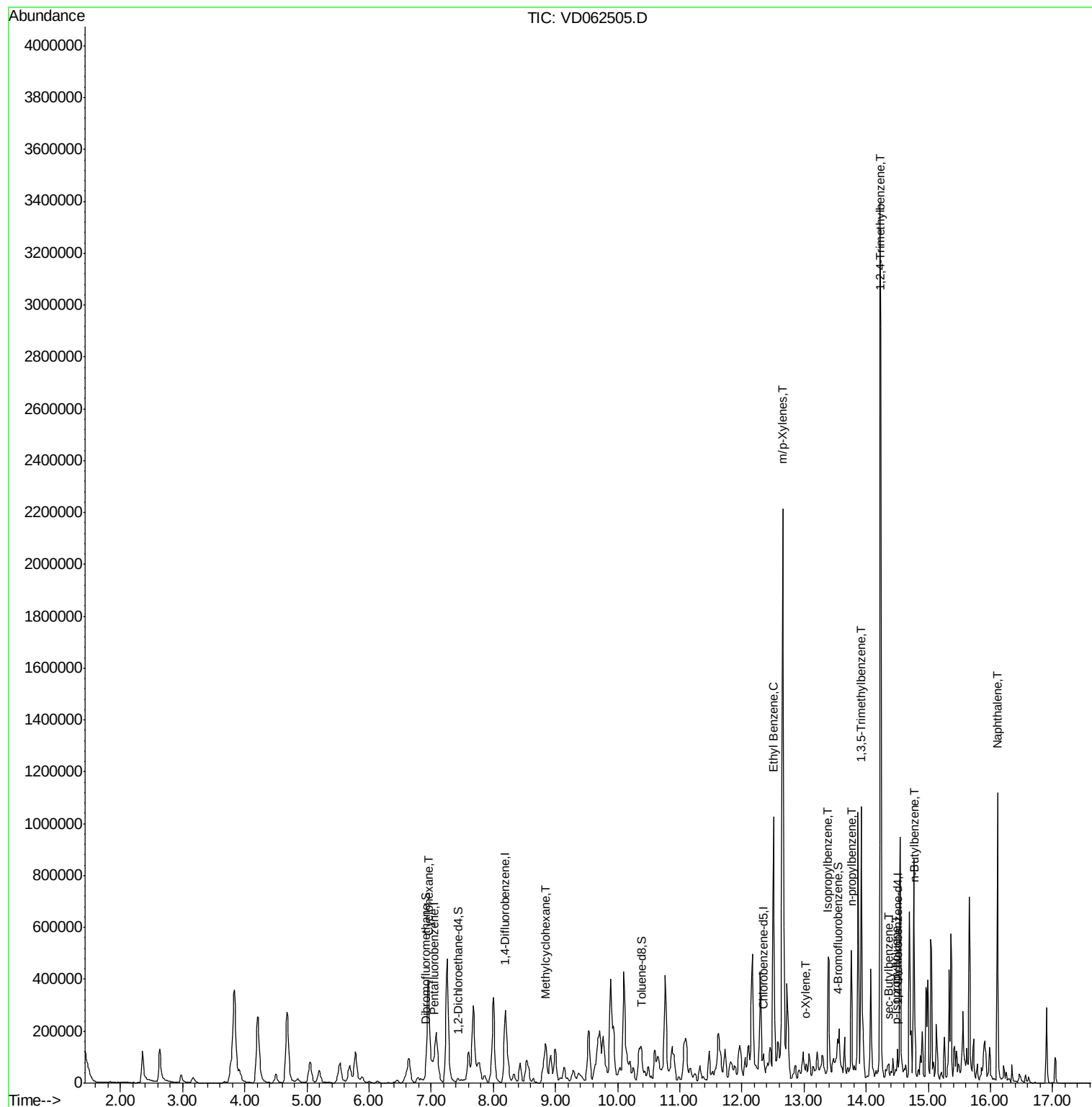
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062505.D
Acq On : 22 May 2019 16:21
Operator : VA/AP
Sample : K2996-04
Misc : 5.91a/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

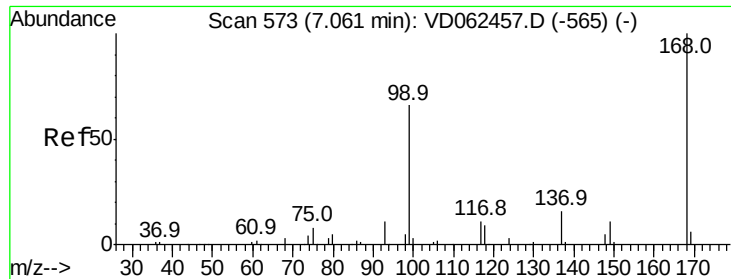
Instrument :
MSVOA_D
ClientSampleId :
P-3(0.5-1.0)

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5/23/2019 11:21:23 AM

Quant Time: May 23 04:01:27 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: 7.03 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleID :

P-3(0.5-1.0)

Tot Ion:168 Resp: 23393

Ion Ratio Lower Upper

168 100

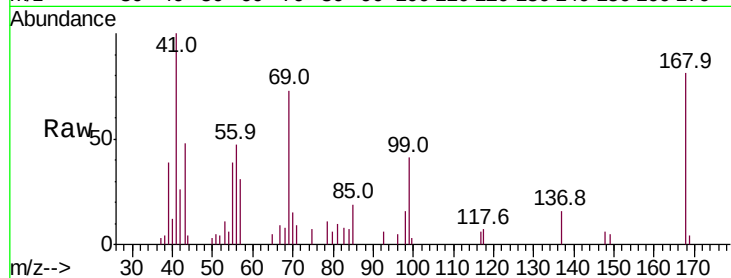
99 51.2 46.5 69.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

8000

6000

4000

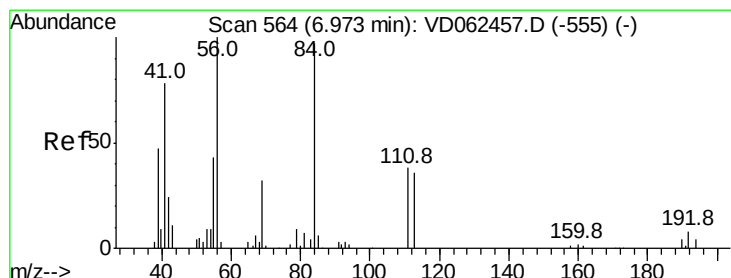
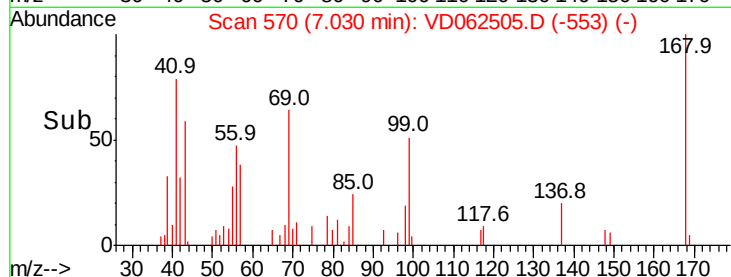
2000

0

7.00

7.10

Time-->



#31

Cyclohexane

Concen: 402.472 ug/l

RT: 6.95 min Scan# 562

Delta R.T. -0.02 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

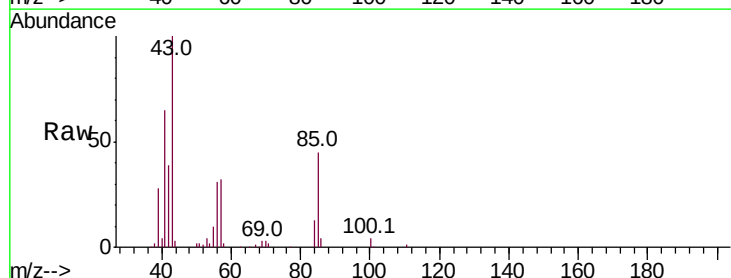
Tgt Ion: 56 Resp: 95158

Ion Ratio Lower Upper

56 100

69 9.9 25.8 38.6#

84 42.4 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

50000

40000

30000

20000

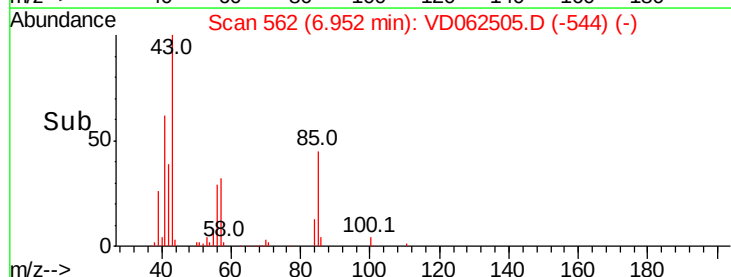
10000

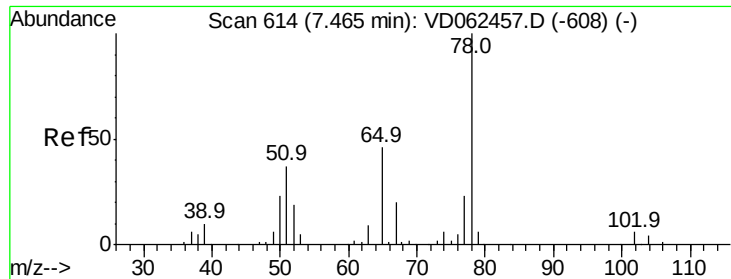
0

6.90

7.00

Time-->





#33

1,2-Dichloroethane-d4

Concen: 58.820 ug/l

RT: 7.43 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

P-3(0.5-1.0)

Tot Ion: 65 Resp: 14729

Ion Ratio Lower Upper

65 100

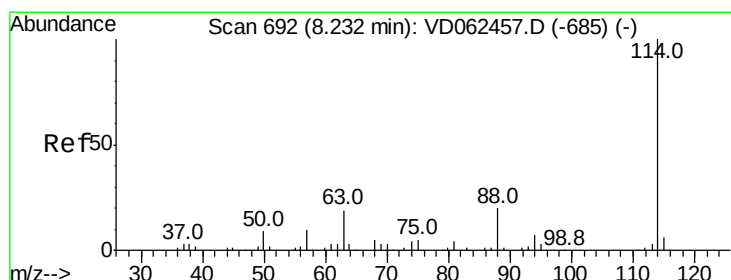
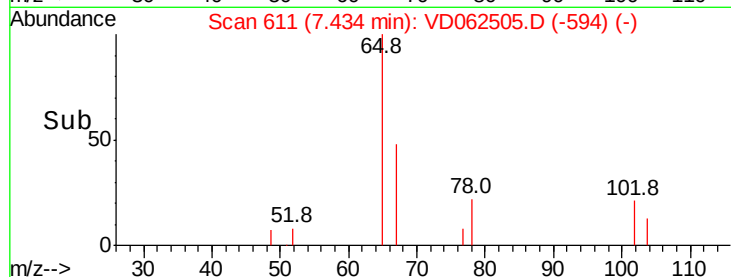
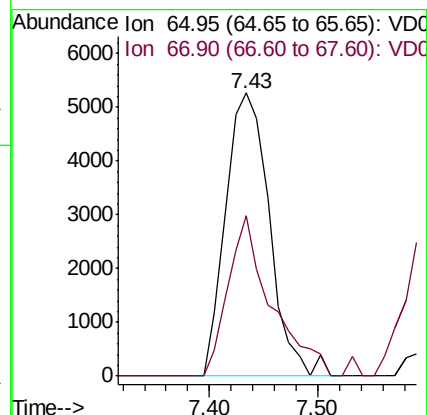
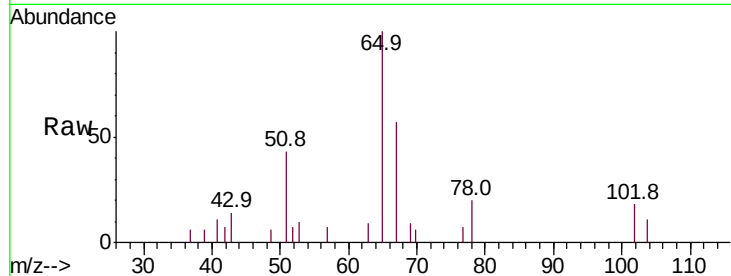
67 56.7 0.0 98.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. -0.03 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

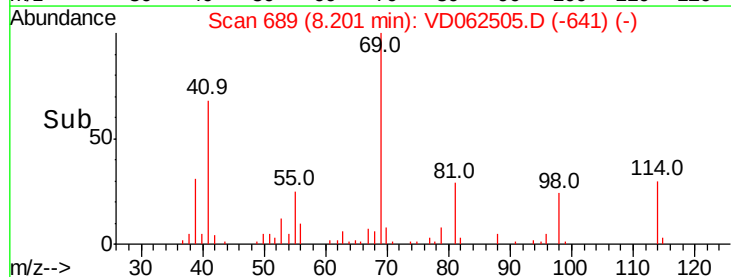
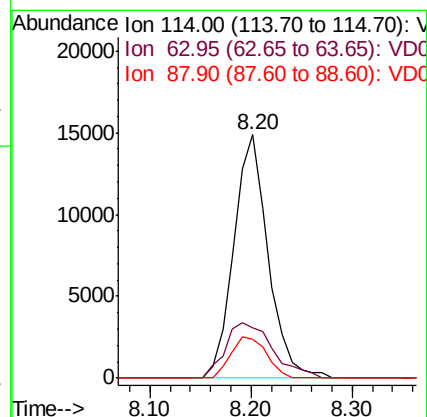
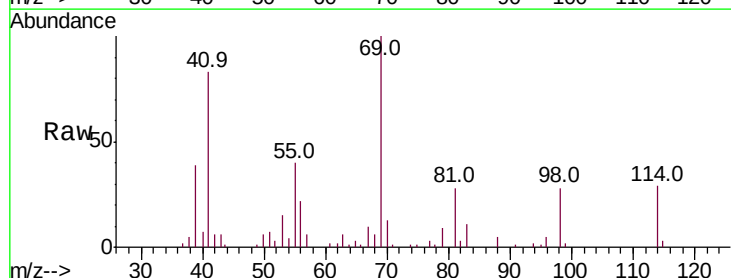
Tgt Ion: 114 Resp: 35064

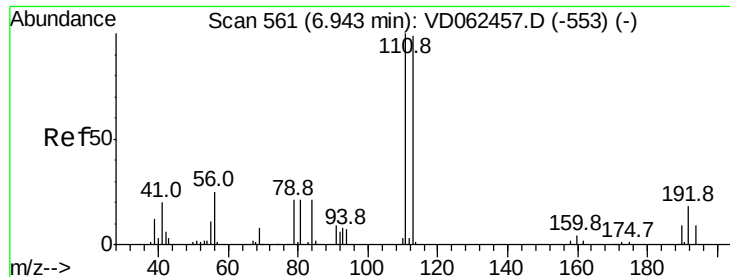
Ion Ratio Lower Upper

114 100

63 20.9 0.0 32.4

88 16.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 42.425 ug/l

RT: 6.90 min Scan# 557

Delta R.T. -0.04 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

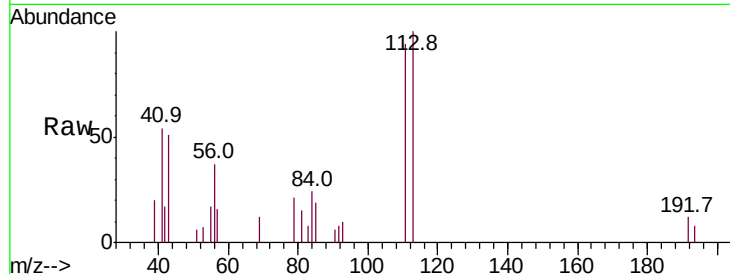
ClientSampleId :

P-3(0.5-1.0)

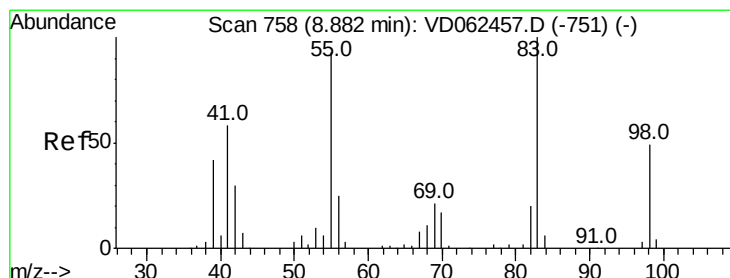
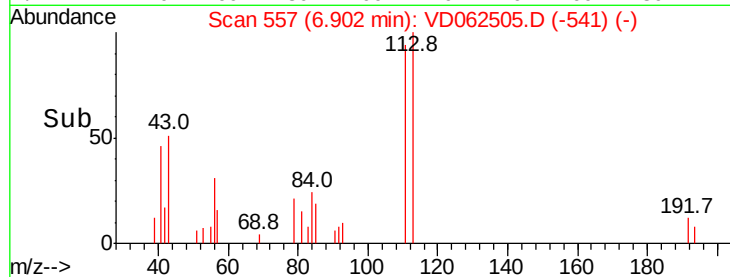
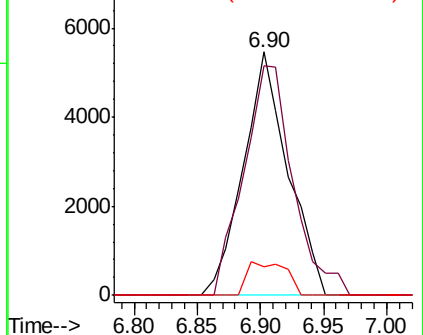
Tot Ion:	113	Resp:	13420
Ion Ratio	Lower	Upper	
113	100		
111	94.0	78.5	117.7
192	11.9	13.0	19.4#

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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: 290.937 ug/l

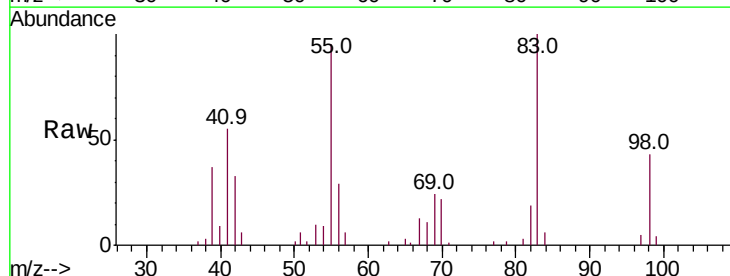
RT: 8.85 min Scan# 755

Delta R.T. -0.03 min

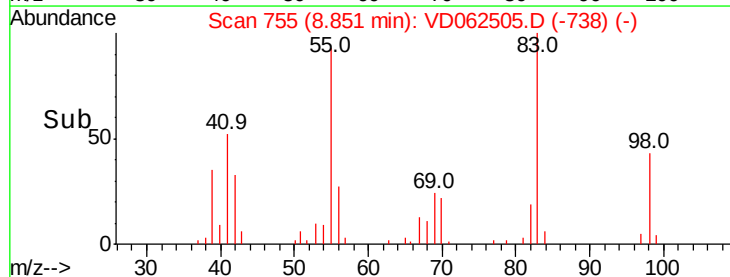
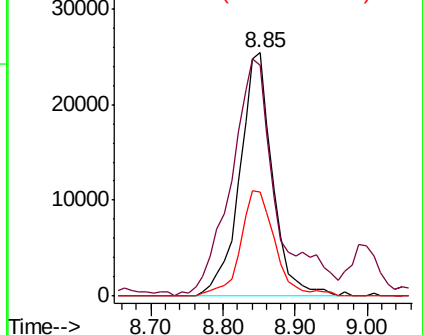
Lab File: VD062505.D

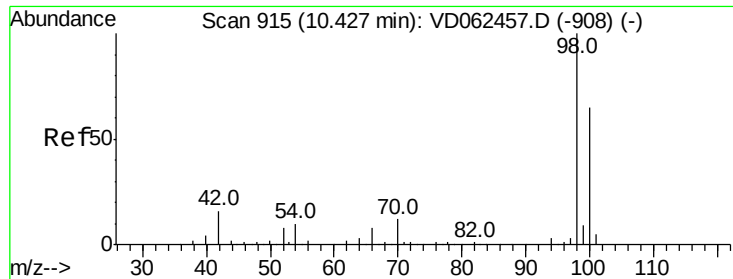
Acq: 22 May 2019 16:21

Tgt Ion:	83	Resp:	80445
Ion Ratio	Lower	Upper	
83	100		
55	94.9	68.2	102.4
98	42.6	38.2	57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC





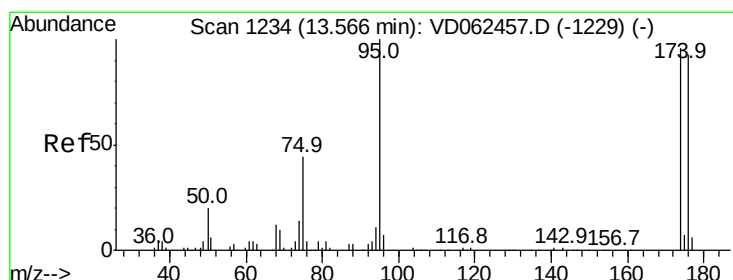
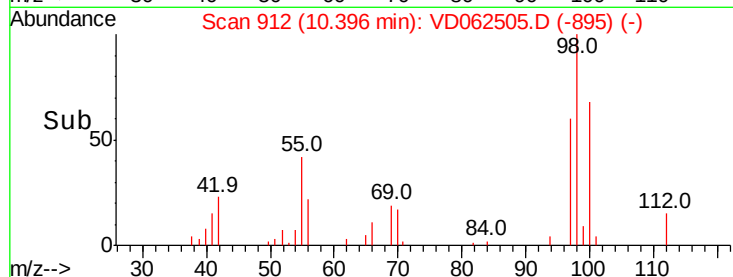
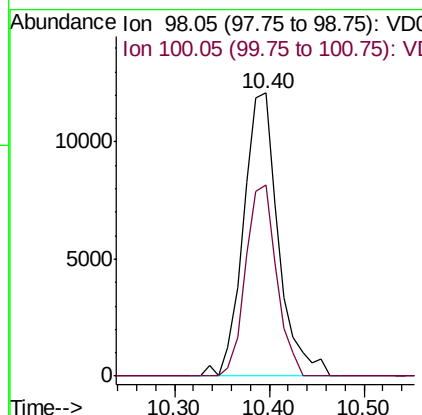
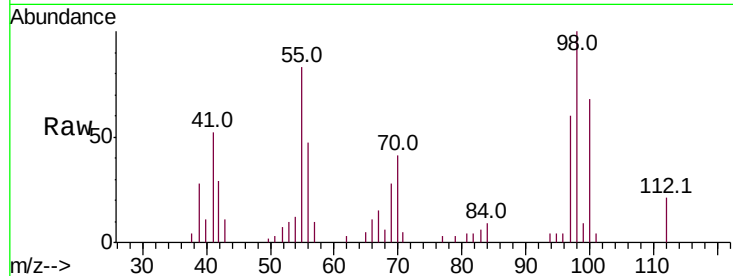
#50
Toluene-d8
Concen: 44.695 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.03 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

Instrument :
MSVOA_D
ClientSampled :
P-3(0.5-1.0)

Tot Ion: 98 Resp: 30939
Ion Ratio Lower Upper
98 100
100 67.7 53.8 80.8

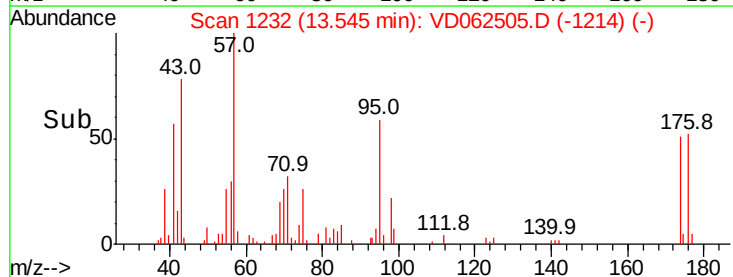
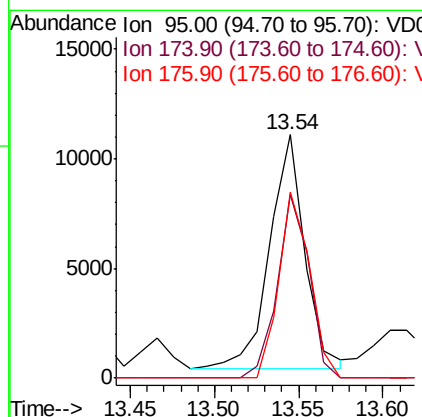
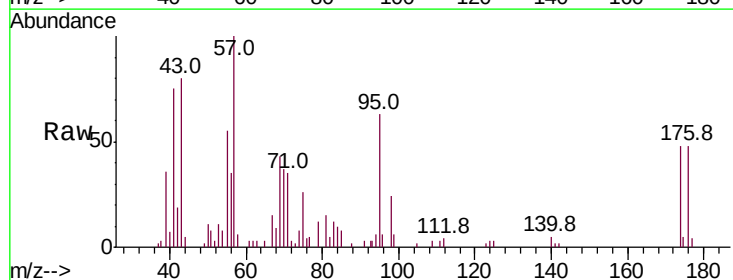
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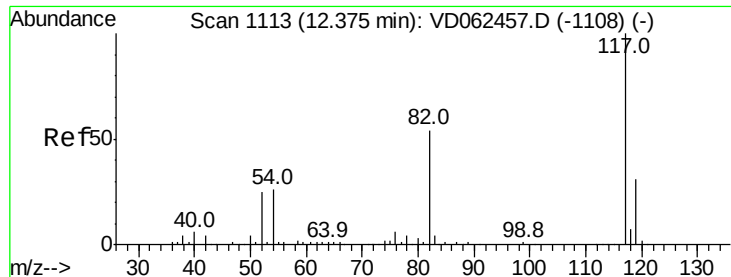
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#62
4-Bromofluorobenzene
Concen: 51.188 ug/l
RT: 13.54 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

Tgt Ion: 95 Resp: 15500
Ion Ratio Lower Upper
95 100
174 75.4 0.0 181.8
176 76.6 0.0 174.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.35 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

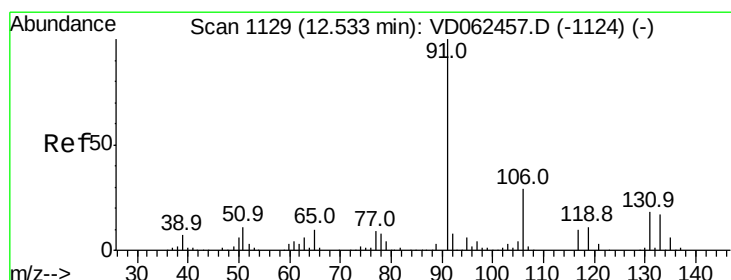
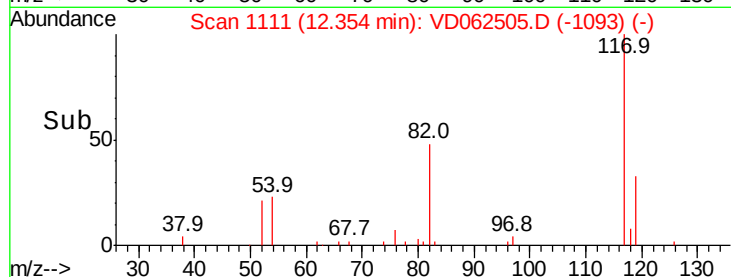
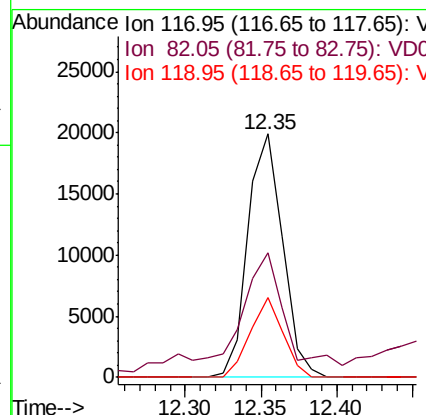
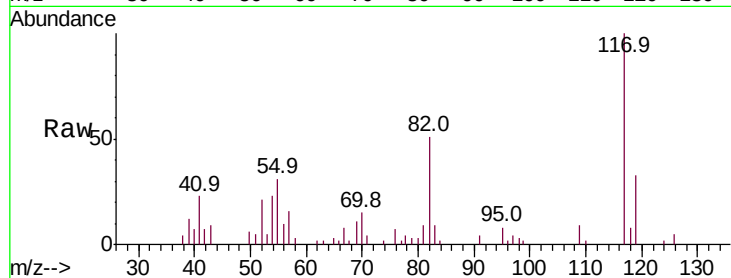
ClientSampleId :

P-3(0.5-1.0)

Tot Ion:	117	Resp:	31911
Ion Ratio	Lower	Upper	
117	100		
82	51.1	36.2	54.2
119	32.9	26.2	39.4

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#67

Ethyl Benzene

Concen: 652.159 ug/l

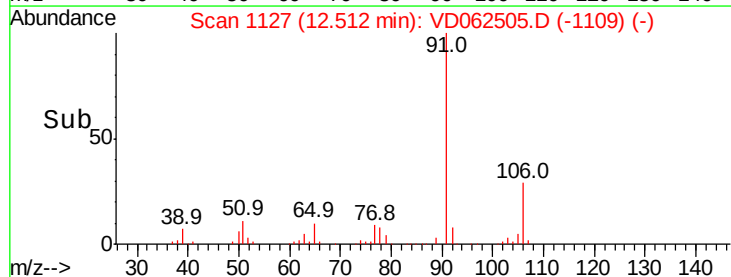
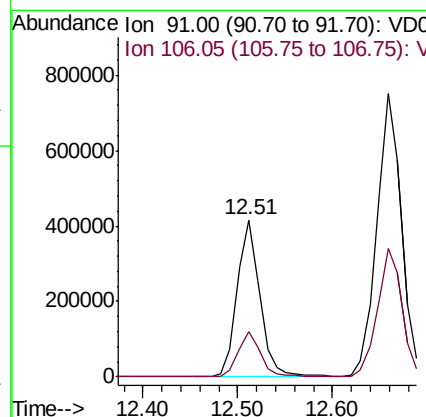
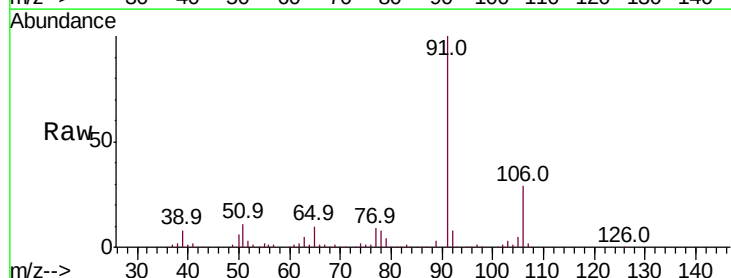
RT: 12.51 min Scan# 1127

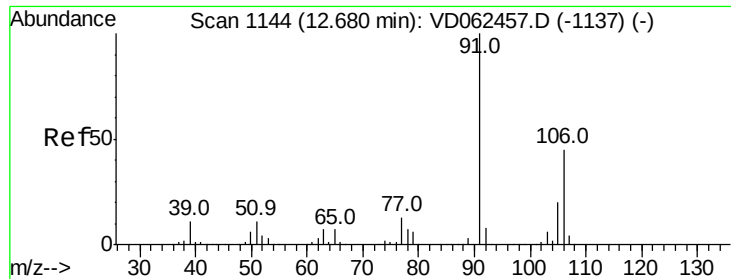
Delta R.T. -0.02 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Tgt Ion:	91	Resp:	689328
Ion Ratio	Lower	Upper	
91	100		
106	28.9	24.7	37.1





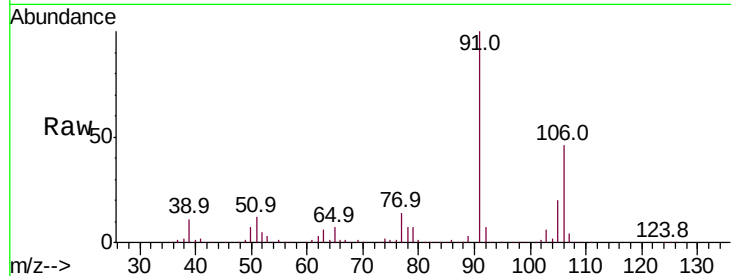
#68
m/p-Xylenes
Concen: 1639.568 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
P-3(0.5-1.0)

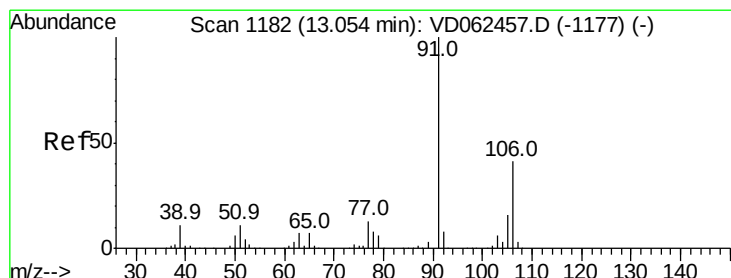
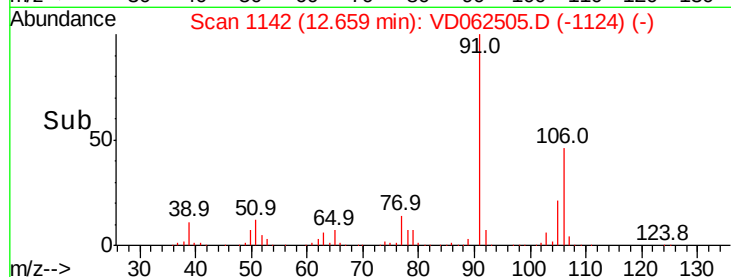
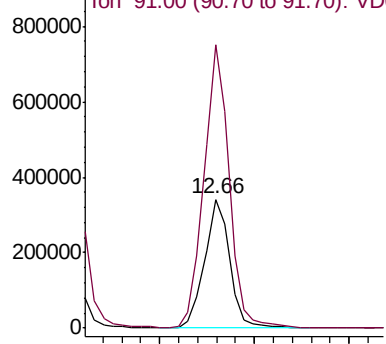
Tot Ion:106 Resp: 622084
Ion Ratio Lower Upper
106 100
91 219.6 164.0 246.0

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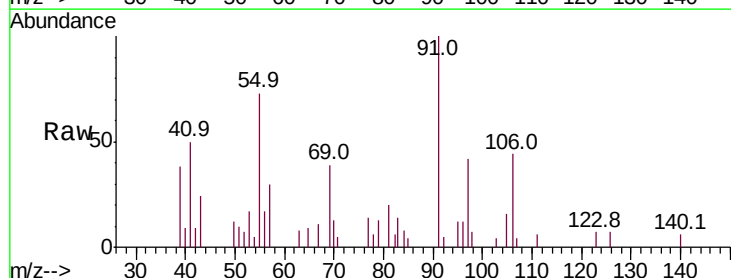


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

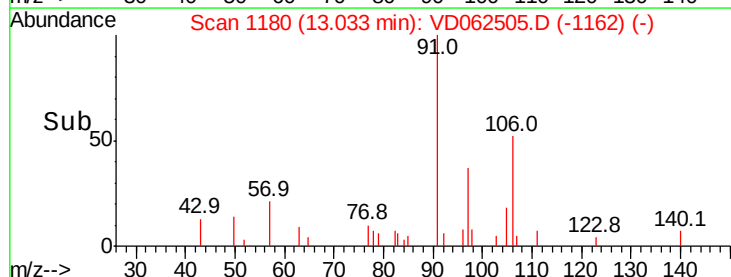
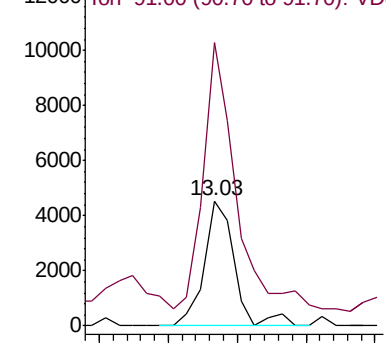


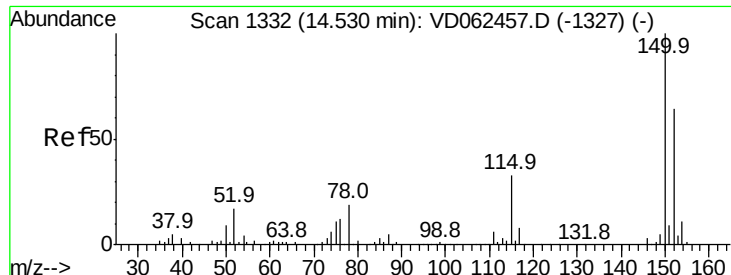
#69
o-Xylene
Concen: 19.417 ug/l
RT: 13.03 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

Tgt Ion:106 Resp: 6951
Ion Ratio Lower Upper
106 100
91 226.3 106.7 319.9



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





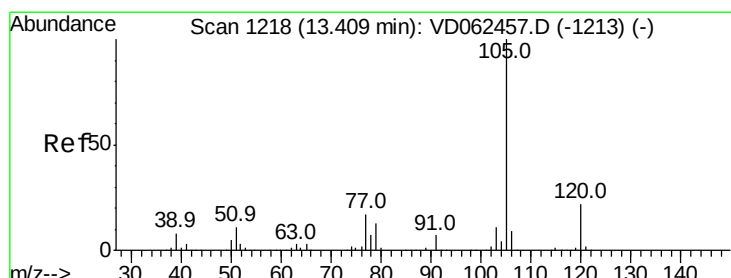
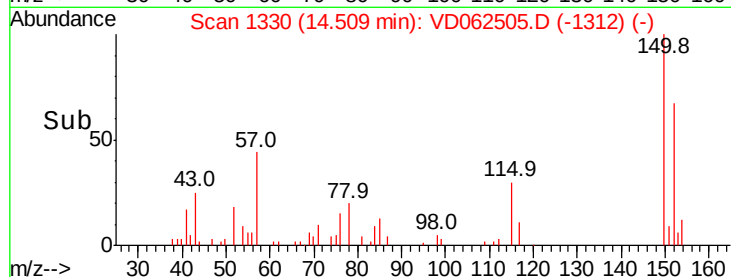
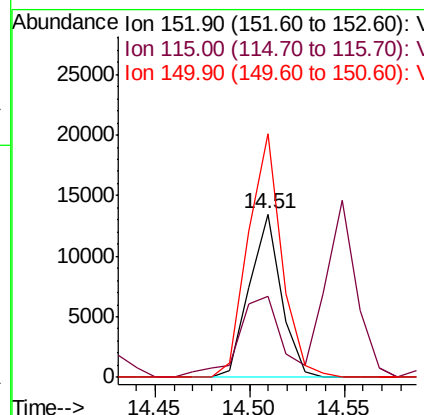
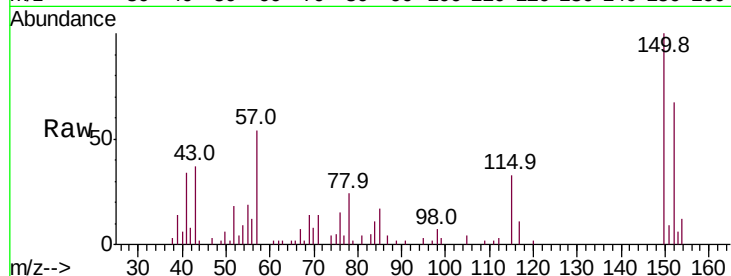
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. -0.02 min
 Lab File: VD062505.D
 Acq: 22 May 2019 16:21

Instrument :
 MSVOA_D
 ClientSampled :
 P-3(0.5-1.0)

Tot Ion	Ratio	Lower	Upper
152	100		
115	49.7	30.9	92.7
150	149.3	0.0	314.8

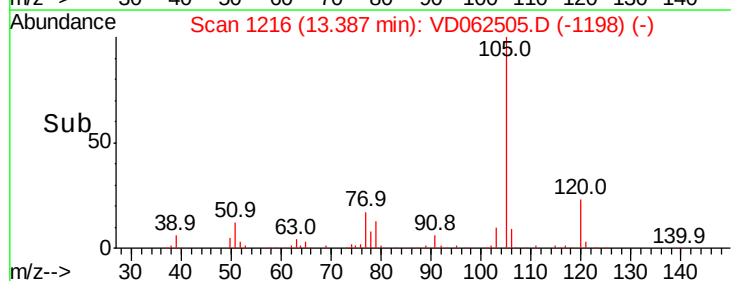
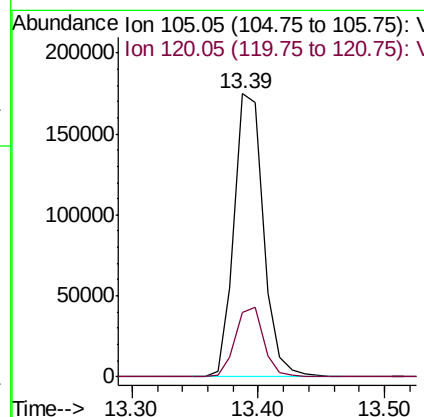
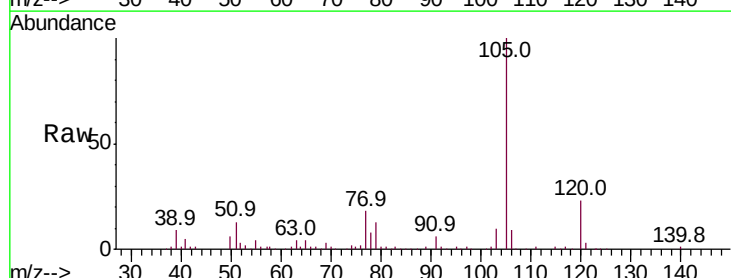
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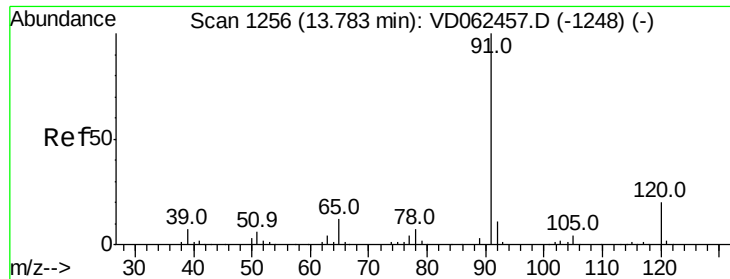
MMDadoda
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#73
 Isopropylbenzene
 Concen: 282.201 ug/l
 RT: 13.39 min Scan# 1216
 Delta R.T. -0.02 min
 Lab File: VD062505.D
 Acq: 22 May 2019 16:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	22.6	12.0	36.1





#78

n-propylbenzene

Concen: 258.296 ug/l

RT: 13.76 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD062505.D

Acq: 22 May 2019 16:21

Instrument :

MSVOA_D

ClientSampled :

P-3(0.5-1.0)

Tot Ion: 91 Resp: 296335

Ion Ratio Lower Upper

91 100

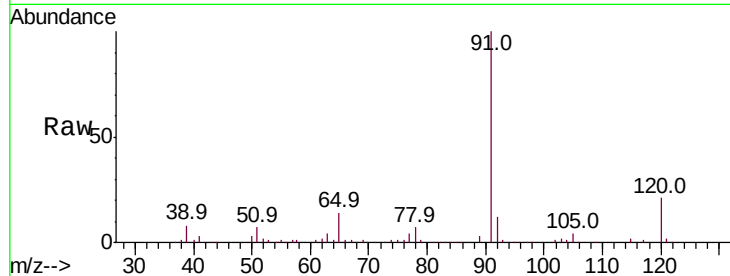
120 21.4 11.1 33.1

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

250000

200000

150000

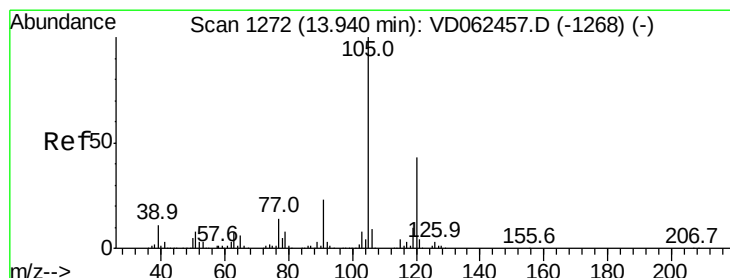
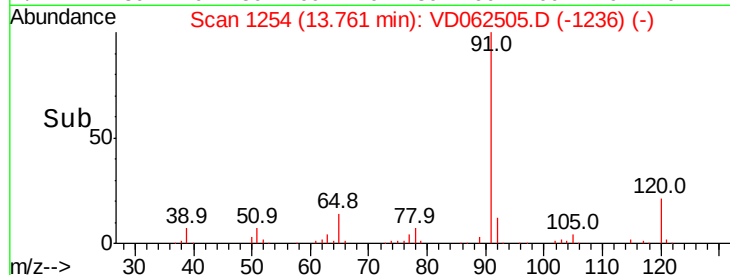
100000

50000

0

13.70 13.75 13.80 13.85

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 574.906 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD062505.D

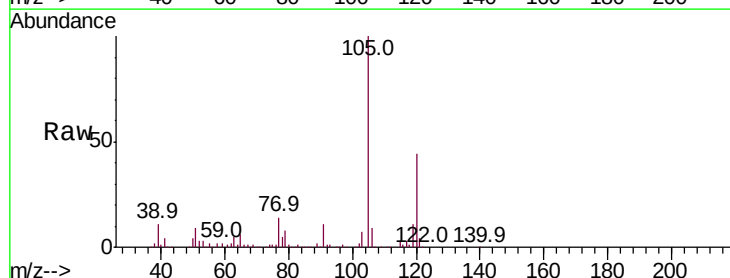
Acq: 22 May 2019 16:21

Tgt Ion:105 Resp: 493028

Ion Ratio Lower Upper

105 100

120 43.9 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

500000

400000

300000

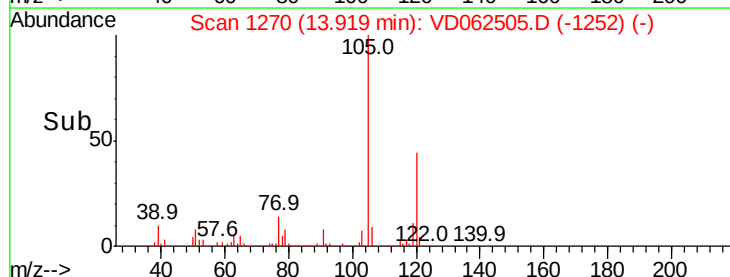
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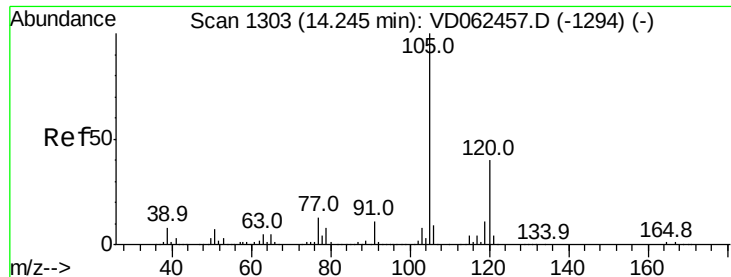
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0

13.85 13.90 13.95 14.00

Time-->





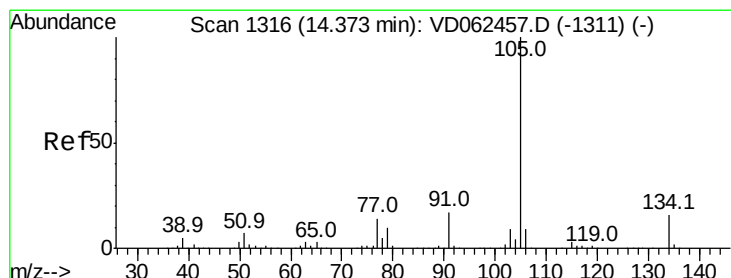
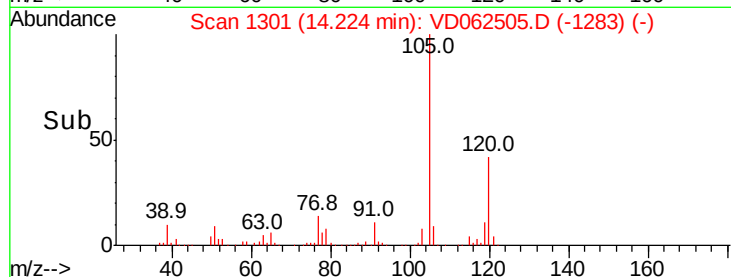
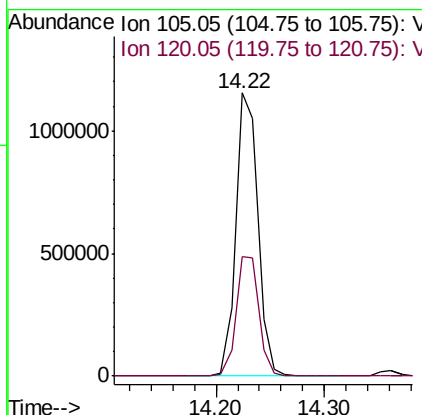
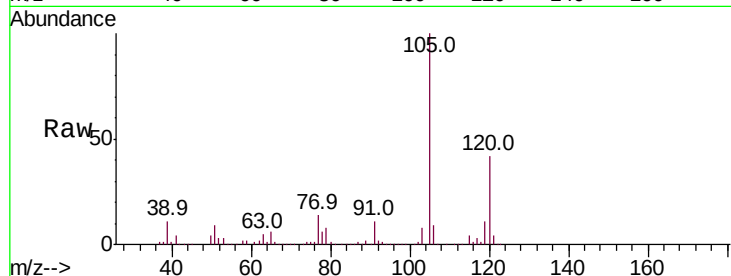
#84
 1,2,4-Trimethylbenzene
 Concen: 1859.163 ug/l
 RT: 14.22 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD062505.D
 Acq: 22 May 2019 16:21

Instrument :
 MSVOA_D
 ClientSampled :
 P-3(0.5-1.0)

Tot Ion:105 Resp: 1633725
 Ion Ratio Lower Upper
 105 100
 120 42.1 23.1 69.2

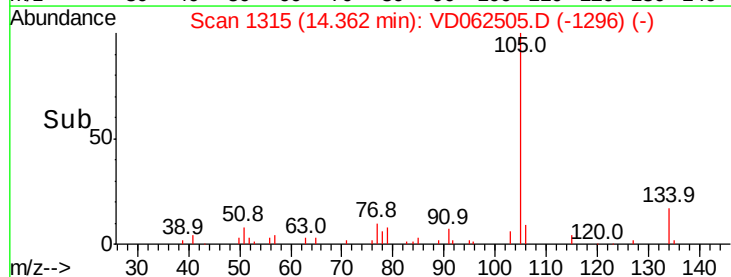
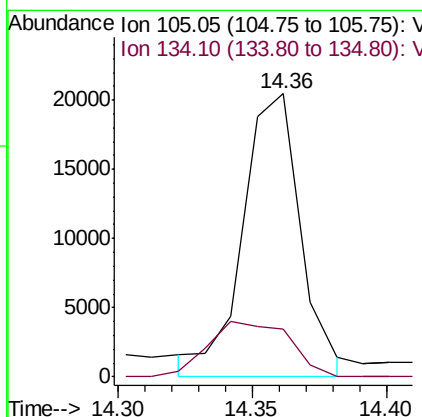
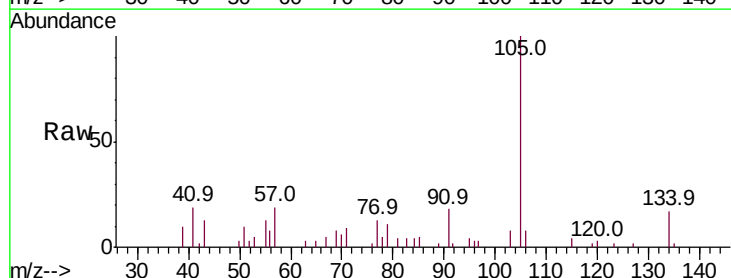
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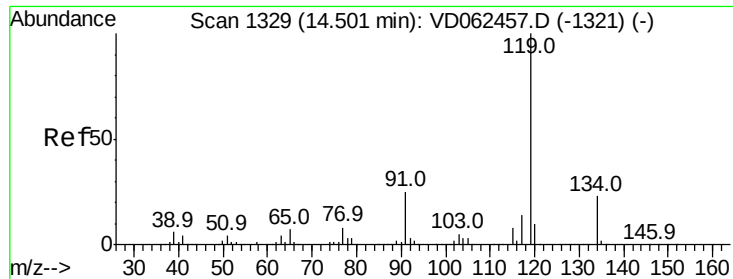
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#85
 sec-Butylbenzene
 Concen: 31.010 ug/l m
 RT: 14.36 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD062505.D
 Acq: 22 May 2019 16:21

Tgt Ion:105 Resp: 30759
 Ion Ratio Lower Upper
 105 100
 134 16.7 8.9 26.7





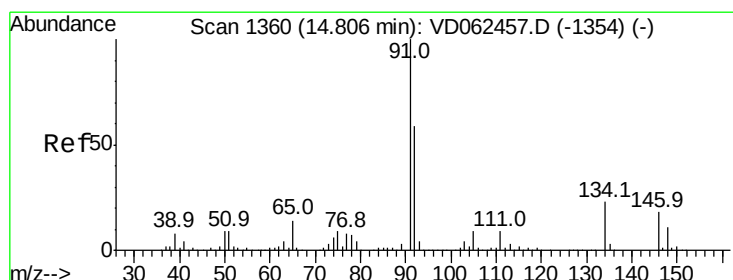
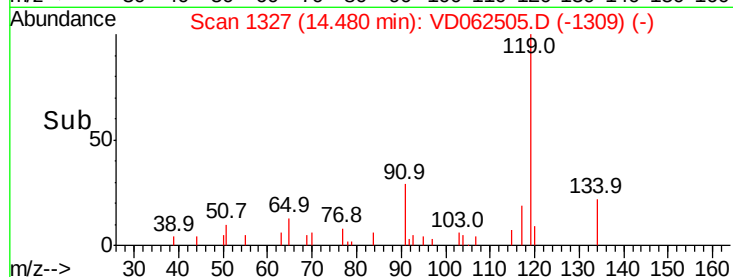
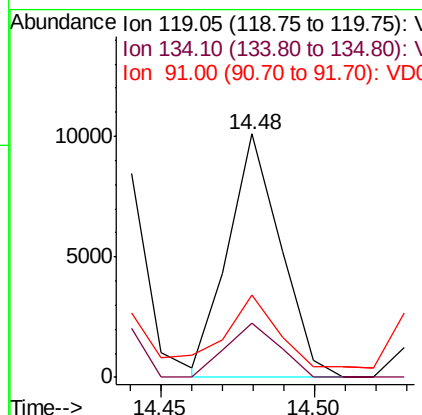
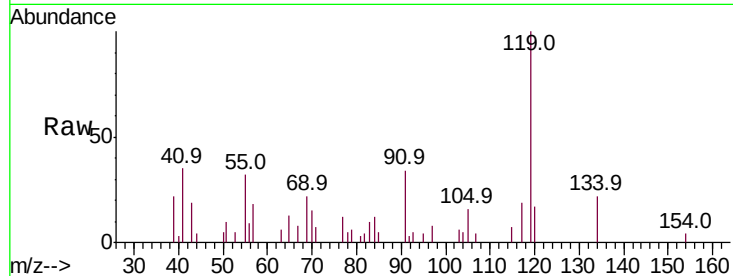
#86
 p-Isopropyltoluene
 Concen: 13.392 ug/l m
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.02 min
 Lab File: VD062505.D
 Acq: 22 May 2019 16:21

Instrument :
 MSVOA_D
 ClientSampleId :
 P-3(0.5-1.0)

Tot Ion	Ratio	Resp	Lower	Upper
119	100	12038		
134	22.1	12.8	38.3	
91	33.9	10.7	32.1#	

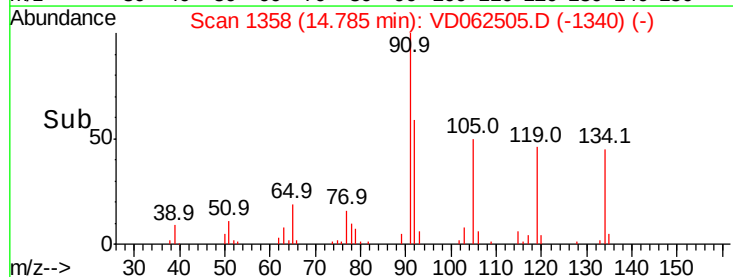
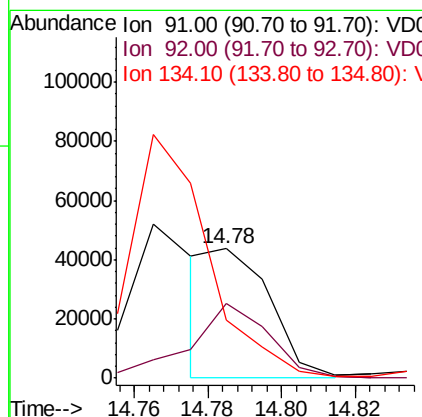
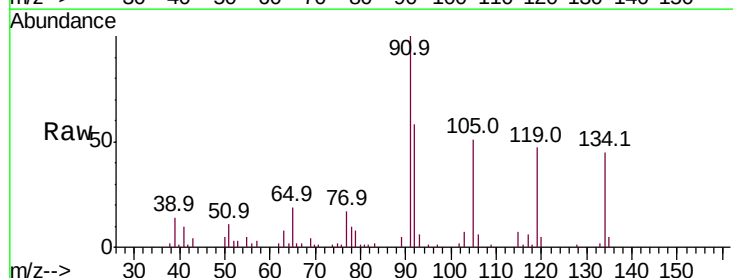
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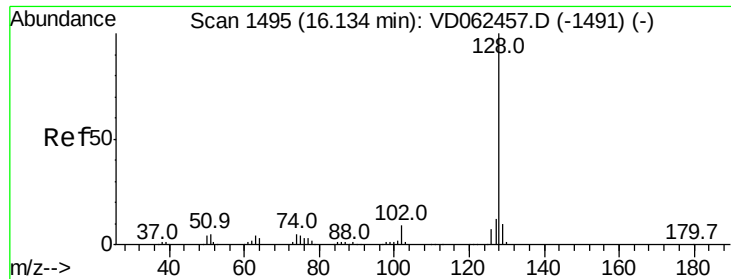
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#89
 n-Butylbenzene
 Concen: 56.690 ug/l m
 RT: 14.78 min Scan# 1358
 Delta R.T. -0.02 min
 Lab File: VD062505.D
 Acq: 22 May 2019 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	49178		
92	58.2	30.3	91.0	
134	44.6	14.5	43.6#	





#95
Naphthalene
Concen: 1320.982 ug/l
RT: 16.11 min Scan# 1493
Delta R.T. -0.02 min
Lab File: VD062505.D
Acq: 22 May 2019 16:21

Instrument :
MSVOA_D
ClientSampleId :
P-3(0.5-1.0)

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.9	9.8	14.8
129	10.9	8.8	13.2

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