

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052319\
 Data File : VD062523.D
 Acq On : 23 May 2019 15:41
 Operator : VA/AP
 Sample : K2996-08
 Misc : 6.27g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-8(9.5-10.0)

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 10:45:05 PM

Quant Time: May 24 01:53:15 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	32428	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	48448	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	42539	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	24806	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	20601	59.35	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	118.70%	
35) Dibromofluoromethane	6.91	113	18137	41.50	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	83.00%	
50) Toluene-d8	10.40	98	62603	65.45	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	130.90%	
62) 4-Bromofluorobenzene	13.56	95	38999	93.21	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	186.42%	
Target Compounds						
					Qvalue	
31) Cyclohexane	6.96	56	281961	860.291	ug/l #	54
39) Methylcyclohexane	8.86	83	395058	1034.063	ug/l	95
67) Ethyl Benzene	12.52	91	1115683	791.811	ug/l	98
68) m/p-Xylenes	12.66	106	81847	161.822	ug/l	87
73) Isopropylbenzene	13.40	105	2356330	1506.975	ug/l	100
78) n-propylbenzene	13.77	91	2917950	1611.069	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	464724	343.259	ug/l	94
83) tert-Butylbenzene	14.18	119	37373	24.886	ug/l	88
84) 1,2,4-Trimethylbenzene	14.23	105	111570	80.424	ug/l	98
85) sec-Butylbenzene	14.36	105	286842	183.181	ug/l	98
86) p-Isopropyltoluene	14.49	119	104477	73.624	ug/l	91
89) n-Butylbenzene	14.79	91	405895m	296.380	ug/l	
95) Naphthalene	16.12	128	881675	1230.328	ug/l	99

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

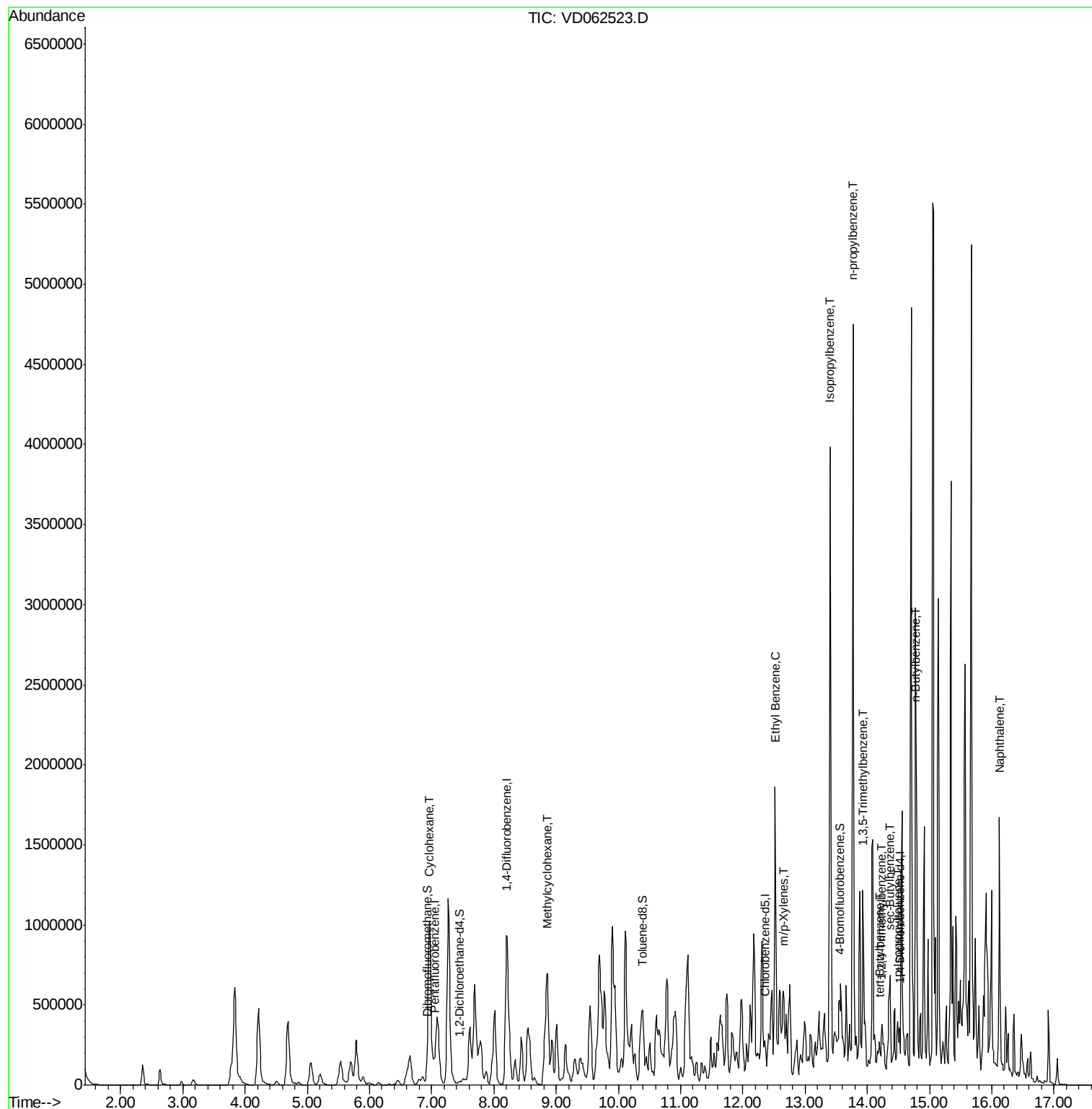
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052319\
Data File : VD062523.D
Acq On : 23 May 2019 15:41
Operator : VA/AP
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Misc : 6.27g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

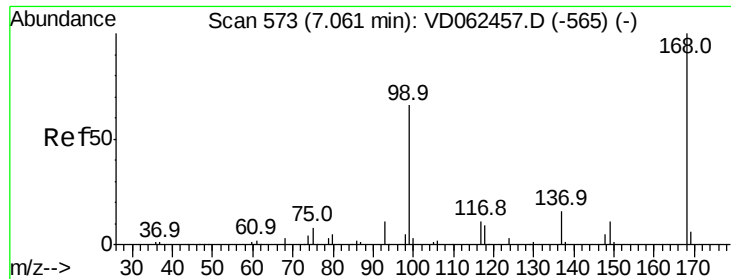
Instrument :
MSVOA_D
ClientSampleId :
P-8(9.5-10.0)

Manual Integrations
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Quant Time: May 24 01:53:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
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#1

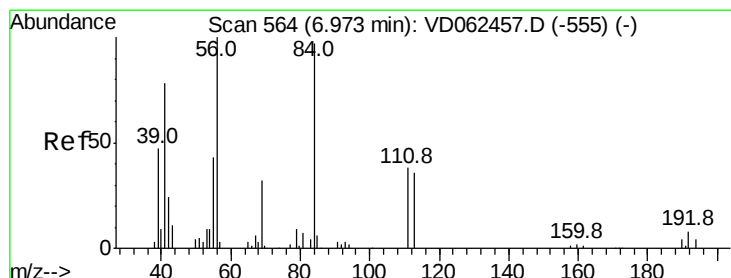
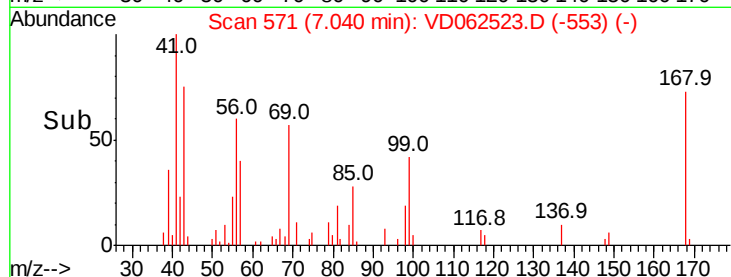
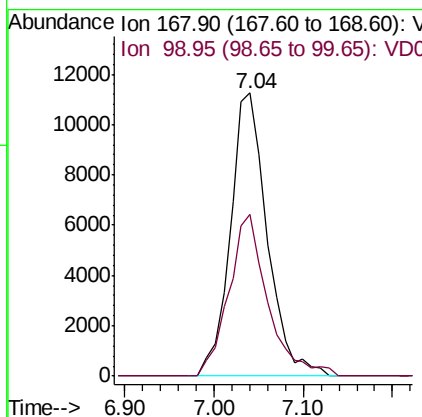
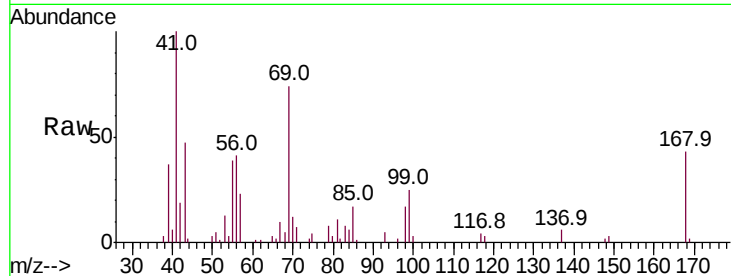
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.02 min
 Lab File: VD062523.D
 Acq: 23 May 2019 15:41

Instrument :
 MSVOA_D
 ClientSampleId :
 P-8(9.5-10.0)

Tot Ion:168 Resp: 32428
 Ion Ratio Lower Upper
 168 100
 99 57.3 46.5 69.7

Manual Integrations
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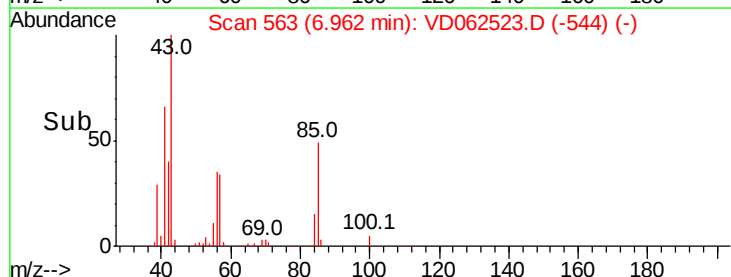
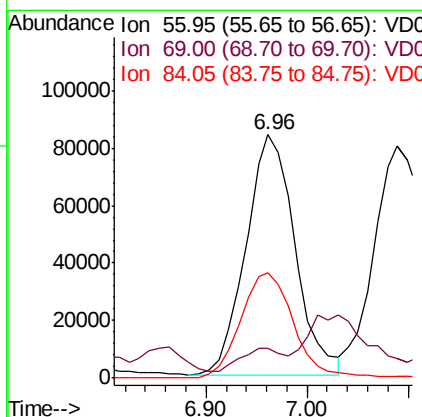
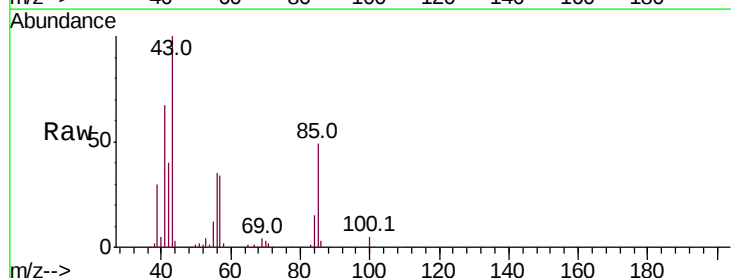
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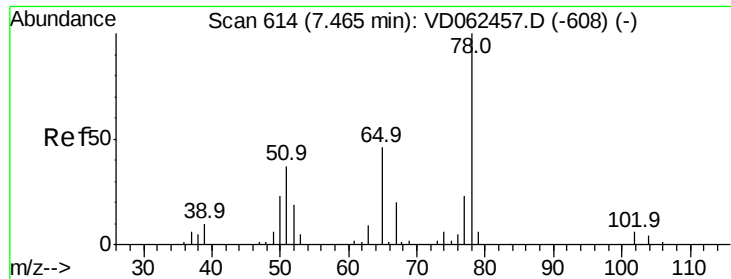


#31

Cyclohexane
 Concen: 860.291 ug/l
 RT: 6.96 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: VD062523.D
 Acq: 23 May 2019 15:41

Tgt Ion: 56 Resp: 281961
 Ion Ratio Lower Upper
 56 100
 69 12.2 25.8 38.6#
 84 43.3 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 59.348 ug/l

RT: 7.44 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

ClientSampleId :

P-8(9.5-10.0)

Tot Ion: 65 Resp: 20601

Ion Ratio Lower Upper

65 100

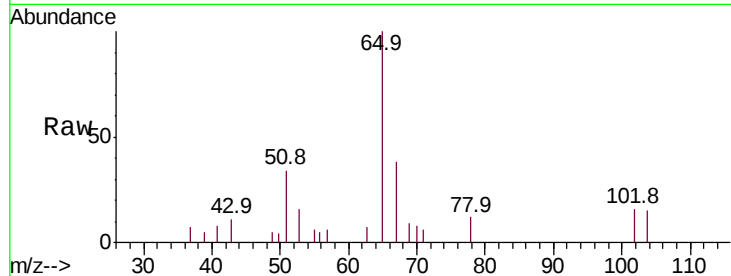
67 38.5 0.0 98.0

Manual Integrations

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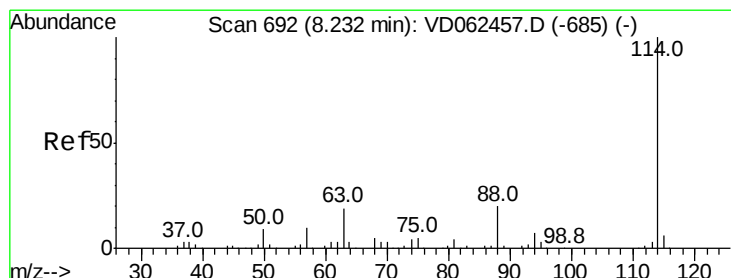
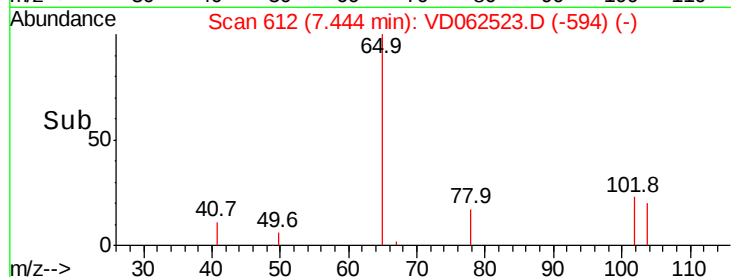
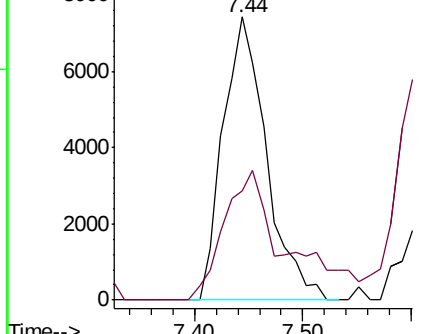
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

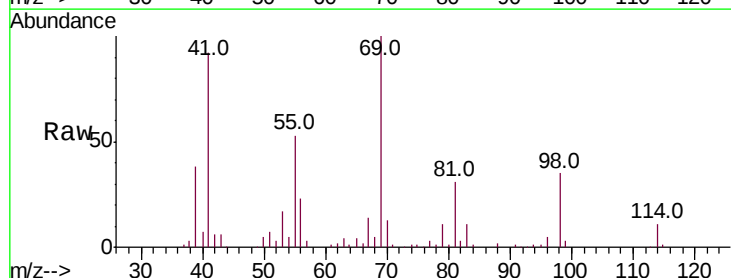
Tgt Ion:114 Resp: 48448

Ion Ratio Lower Upper

114 100

63 37.7 0.0 32.4#

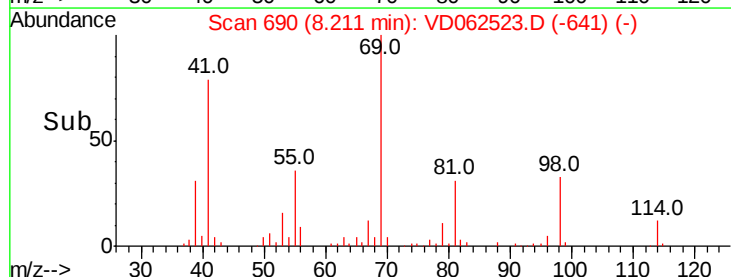
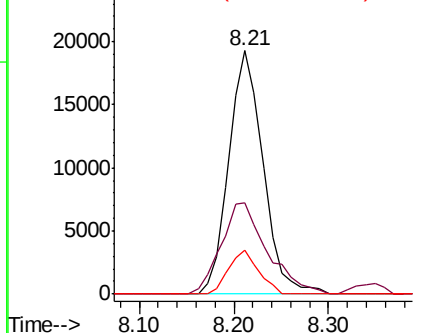
88 18.1 0.0 33.6

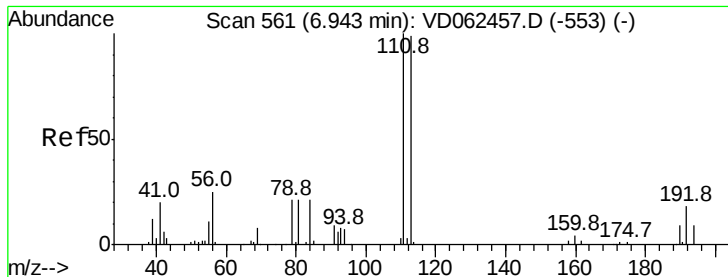


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 41.498 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.03 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

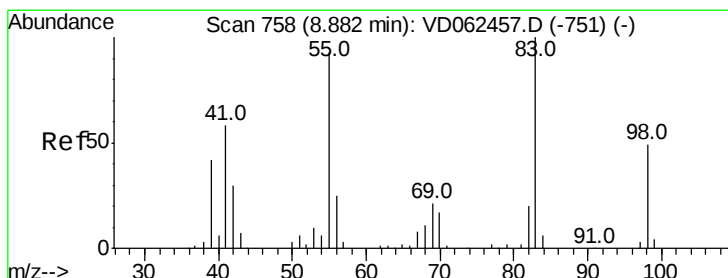
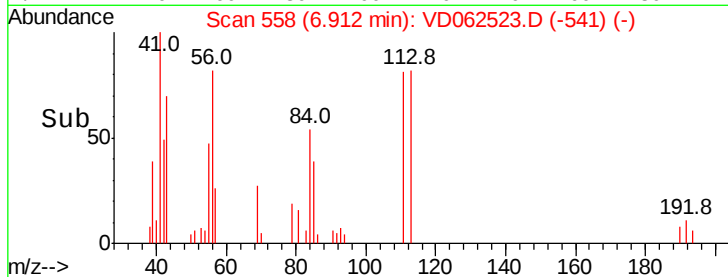
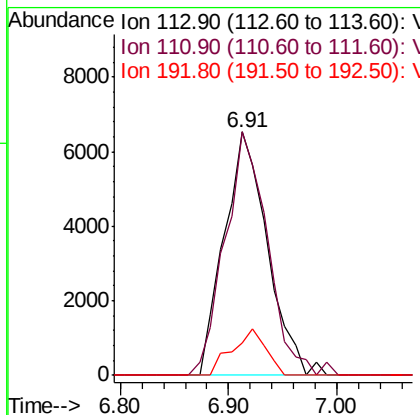
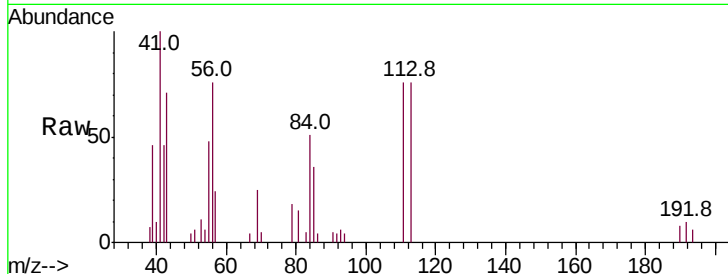
ClientSampleId :

P-8(9.5-10.0)

Tot Ion:	113	Resp:	18137
Ion	Ratio	Lower	Upper
113	100		
111	99.8	78.5	117.7
192	13.4	13.0	19.4

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#39

Methylcyclohexane

Concen: 1034.063 ug/l

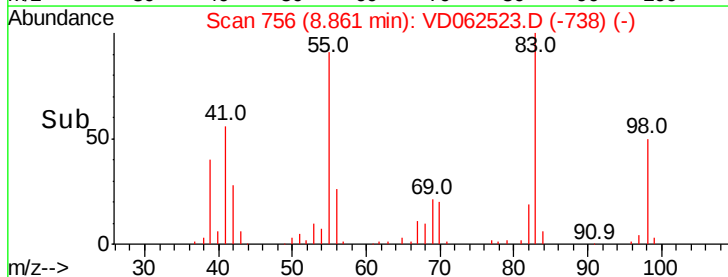
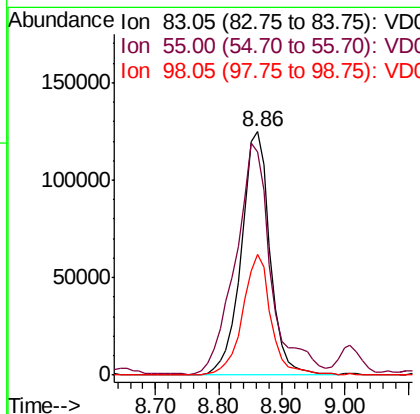
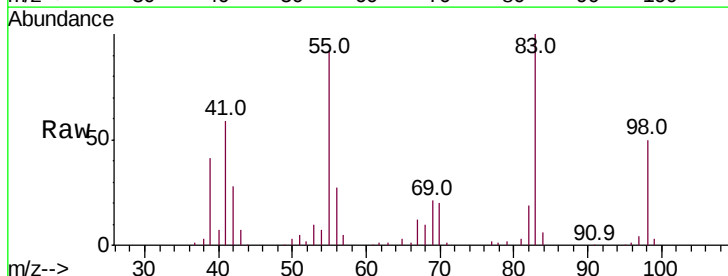
RT: 8.86 min Scan# 756

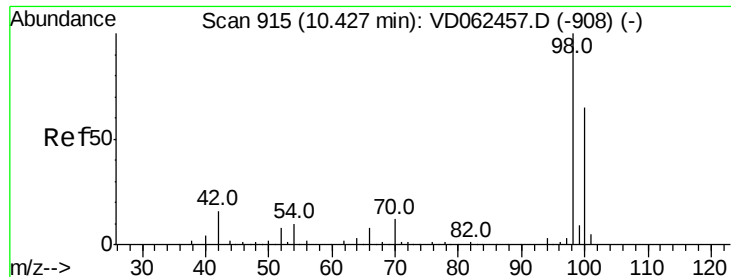
Delta R.T. -0.02 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Tgt Ion:	83	Resp:	395058
Ion	Ratio	Lower	Upper
83	100		
55	91.7	68.2	102.4
98	49.5	38.2	57.4





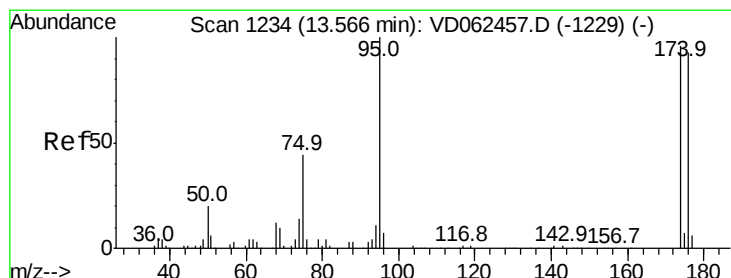
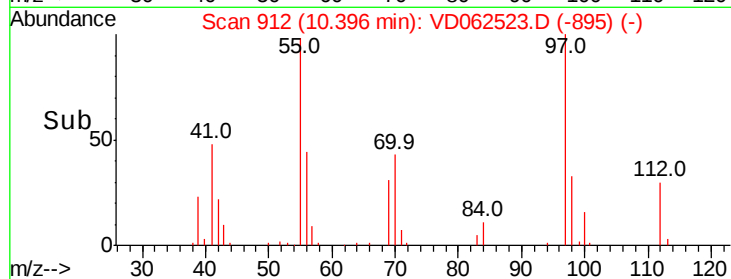
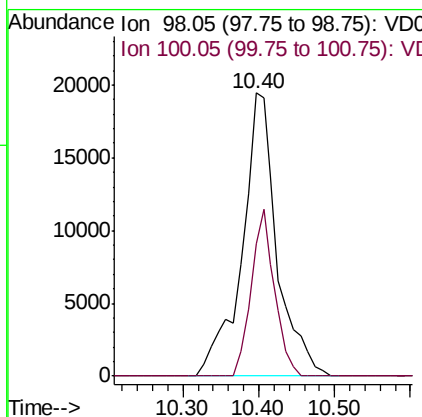
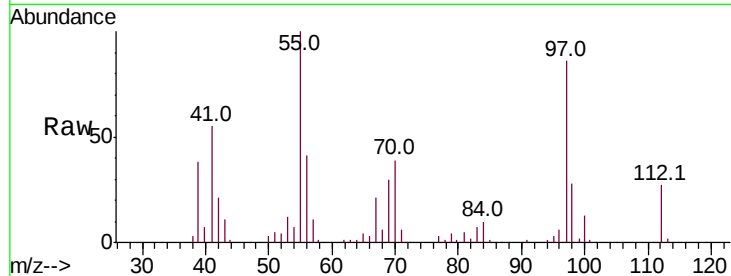
#50
Toluene-d8
Concen: 65.453 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.03 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Instrument :
MSVOA_D
ClientSampleId :
P-8(9.5-10.0)

Tot Ion: 98 Resp: 62603
Ion Ratio Lower Upper
98 100
100 46.9 53.8 80.8#

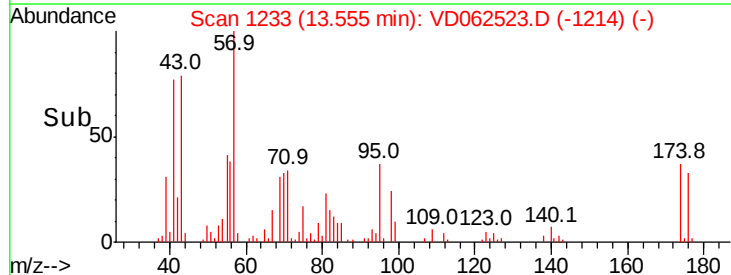
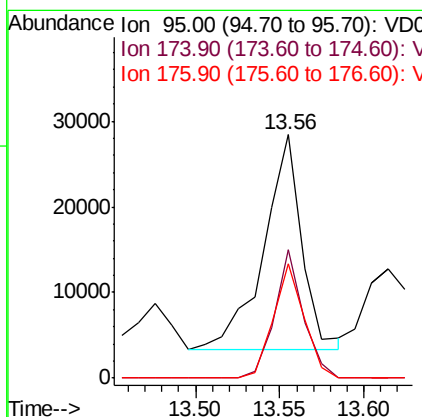
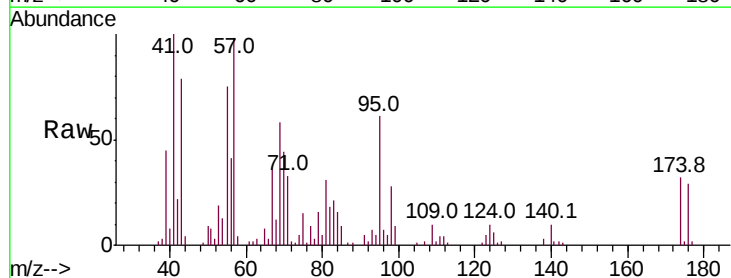
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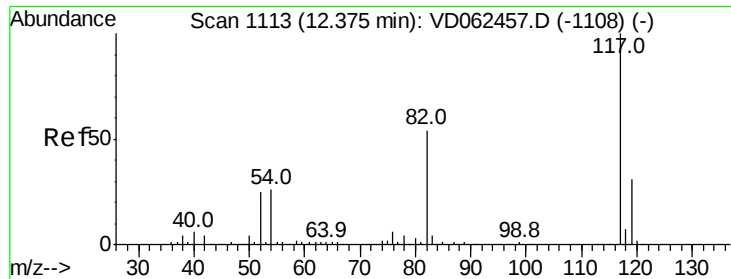
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#62
4-Bromofluorobenzene
Concen: 93.212 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.01 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Tgt Ion: 95 Resp: 38999
Ion Ratio Lower Upper
95 100
174 52.9 0.0 181.8
176 47.1 0.0 174.4





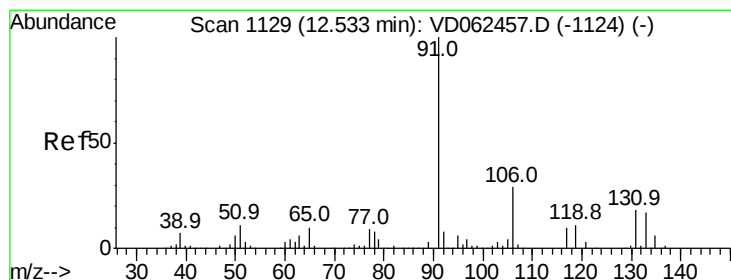
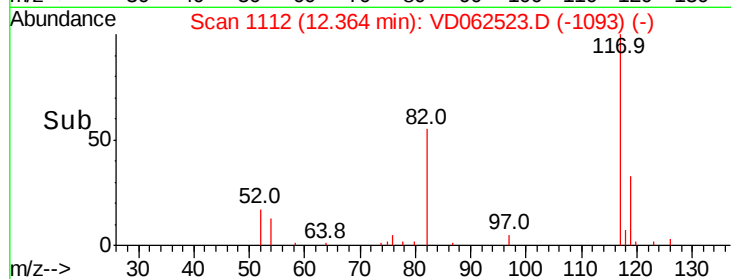
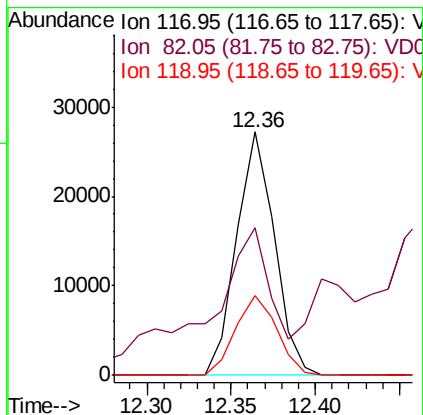
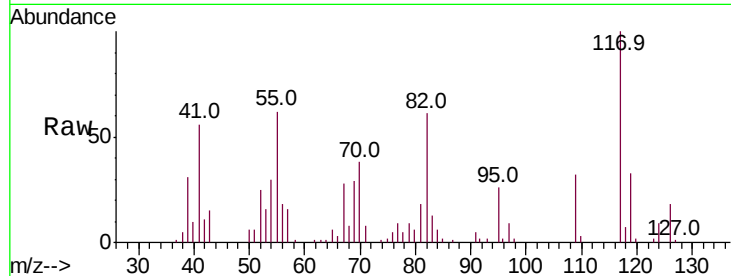
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Instrument :
MSVOA_D
ClientSampleId :
P-8(9.5-10.0)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		42539		
82	60.8	36.2		54.2	#
119	32.6	26.2		39.4	

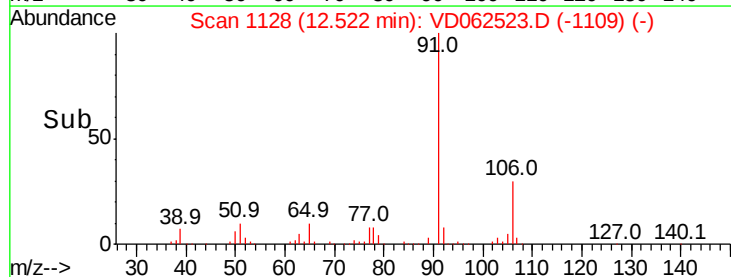
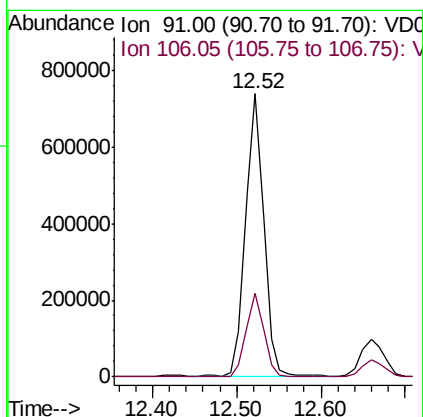
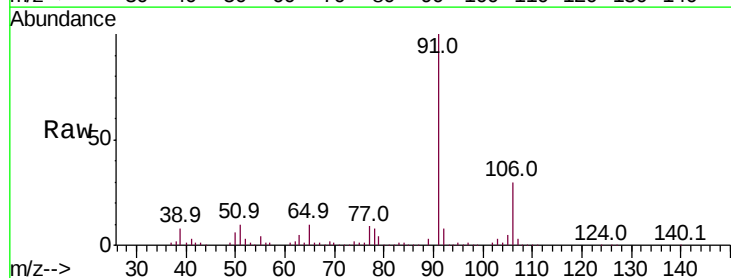
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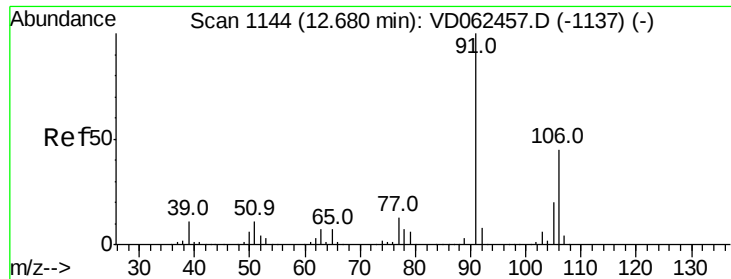
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#67
Ethyl Benzene
Concen: 791.811 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1115683		
106	29.8	24.7		37.1	





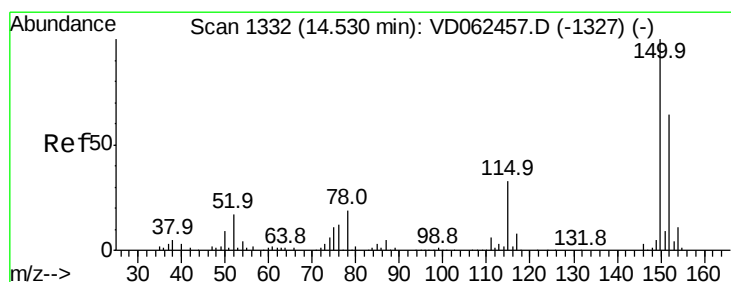
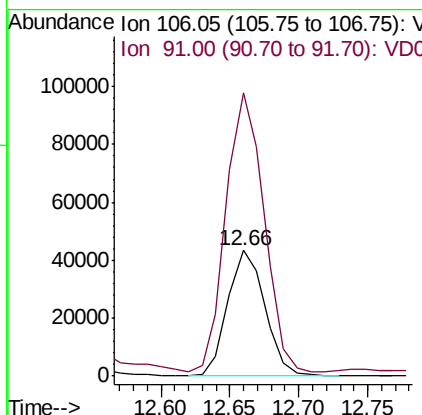
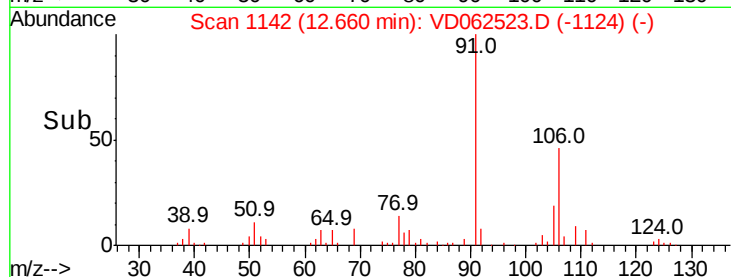
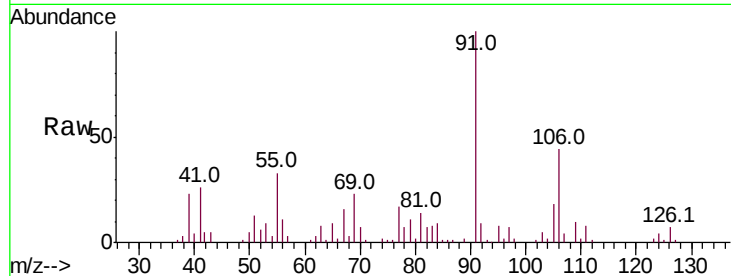
#68
m/p-Xvlenes
Concen: 161.822 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Instrument :
MSVOA_D
ClientSampled :
P-8(9.5-10.0)

Tot Ion:106 Resp: 81847
Ion Ratio Lower Upper
106 100
91 224.9 164.0 246.0

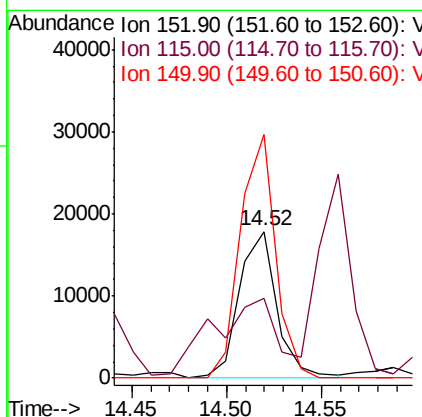
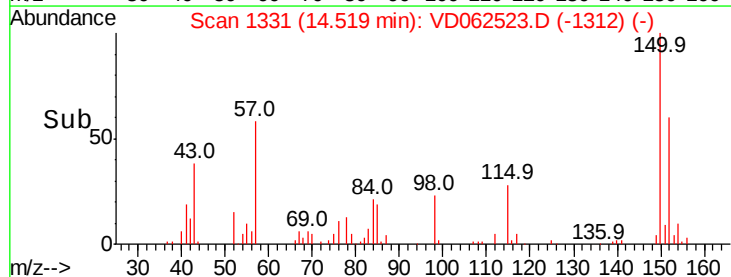
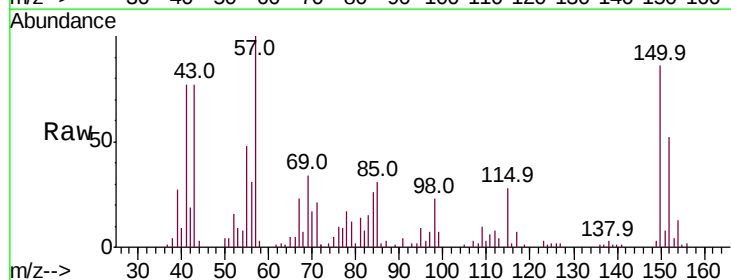
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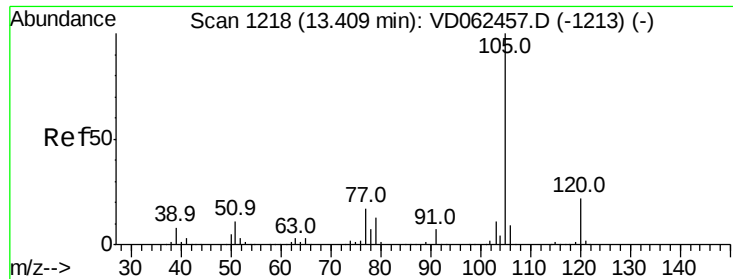
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Tgt Ion:152 Resp: 24806
Ion Ratio Lower Upper
152 100
115 54.0 30.9 92.7
150 165.8 0.0 314.8





#73

Isopropylbenzene

Concen: 1506.975 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD062523.D

Acq: 23 May 2019 15:41

Instrument :

MSVOA_D

ClientSampleId :

P-8(9.5-10.0)

Tot Ion:105 Resp: 2356330

Ion Ratio Lower Upper

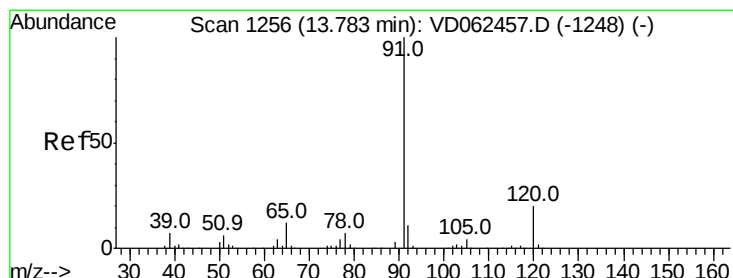
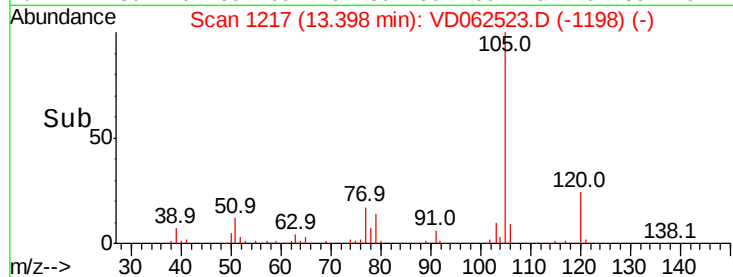
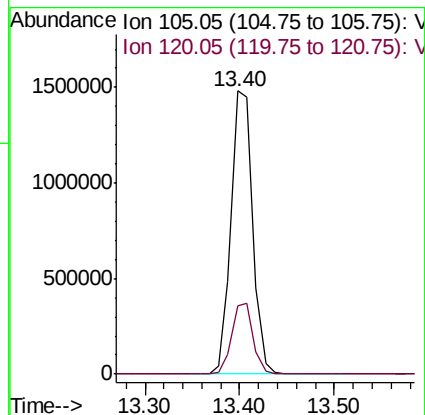
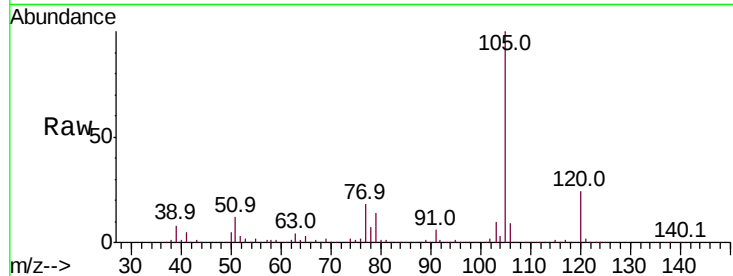
105 100

120 24.0 12.0 36.1

Manual Integrations
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5/24/2019 10:45:05 PM



#78

n-propylbenzene

Concen: 1611.069 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD062523.D

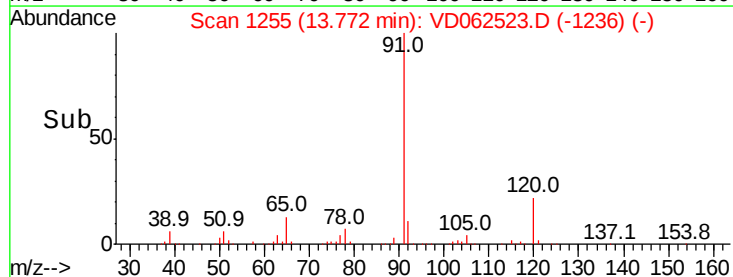
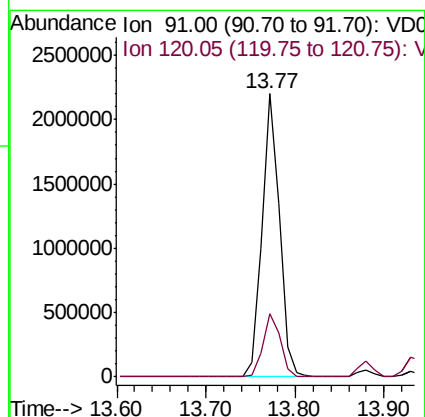
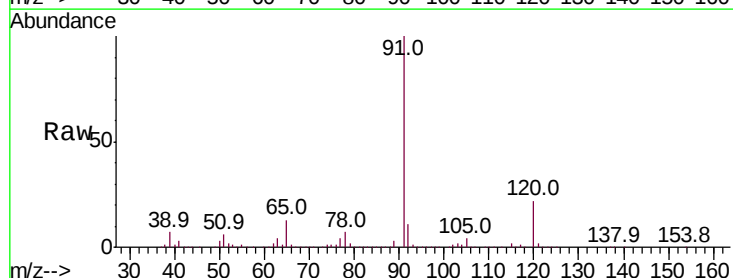
Acq: 23 May 2019 15:41

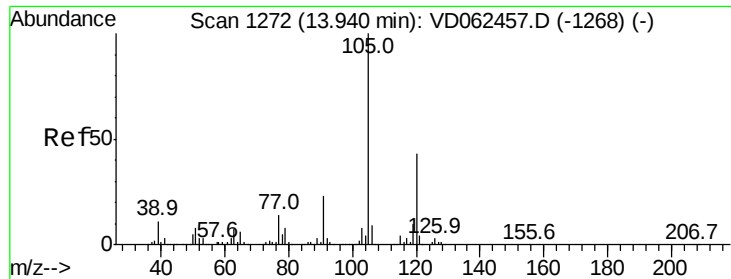
Tgt Ion: 91 Resp: 2917950

Ion Ratio Lower Upper

91 100

120 22.2 11.1 33.1





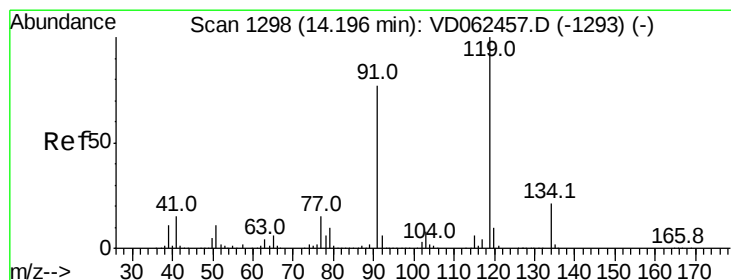
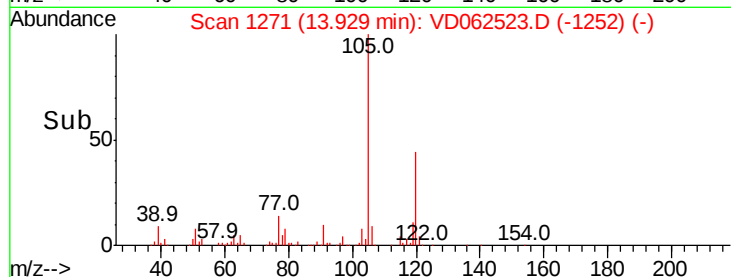
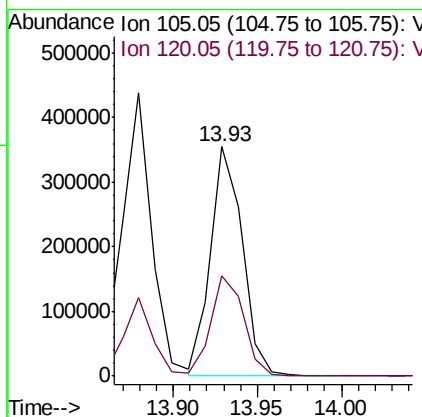
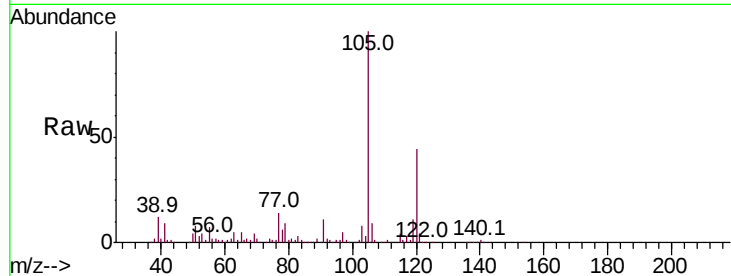
#80
 1,3,5-Trimethylbenzene
 Concen: 343.259 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VD062523.D
 Acq: 23 May 2019 15:41

Instrument :
 MSVOA_D
 ClientSampleId :
 P-8(9.5-10.0)

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.7	24.0	72.0

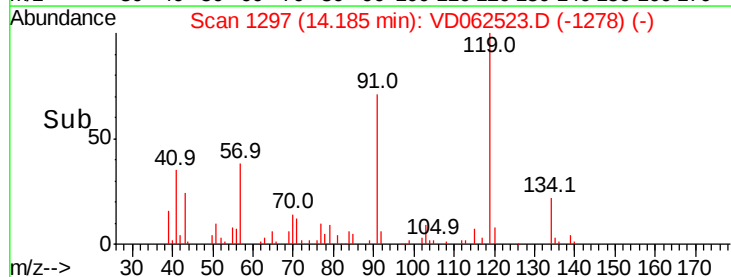
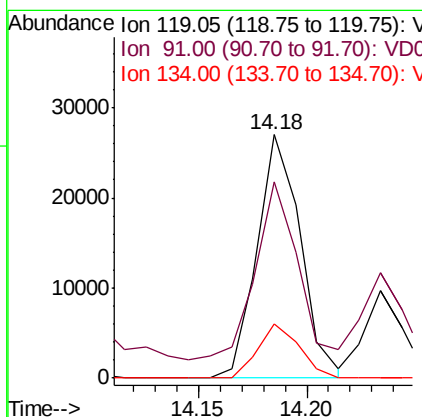
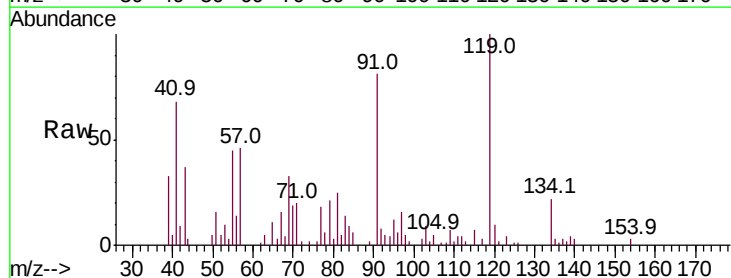
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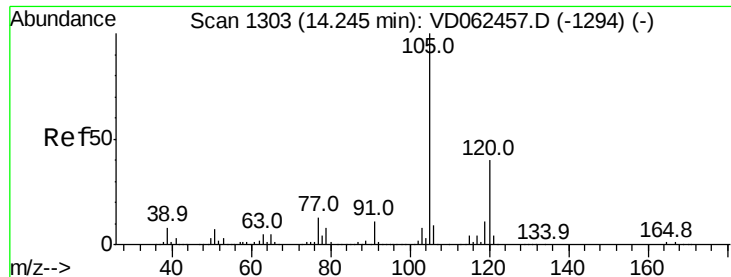
MMDadoda
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#83
 tert-Butylbenzene
 Concen: 24.886 ug/l
 RT: 14.18 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD062523.D
 Acq: 23 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
119	100		
91	80.8	34.2	102.6
134	22.2	12.0	36.0





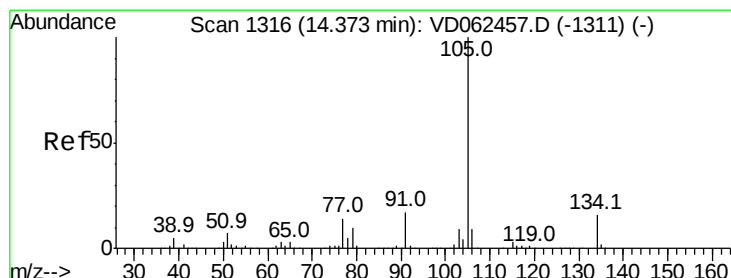
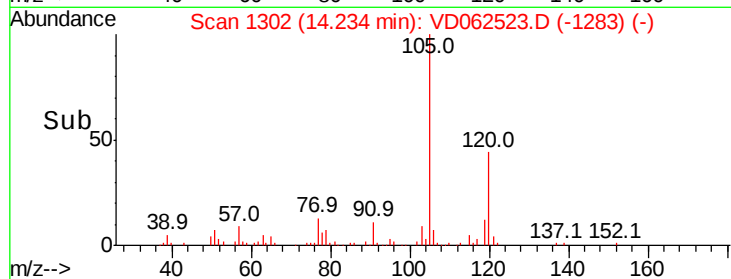
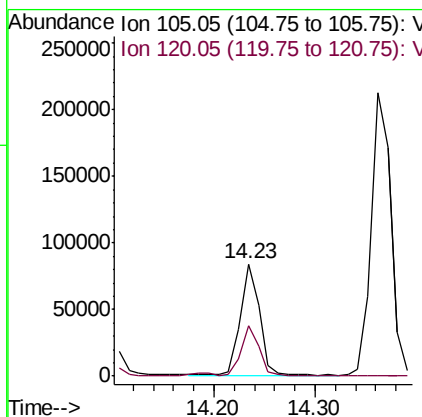
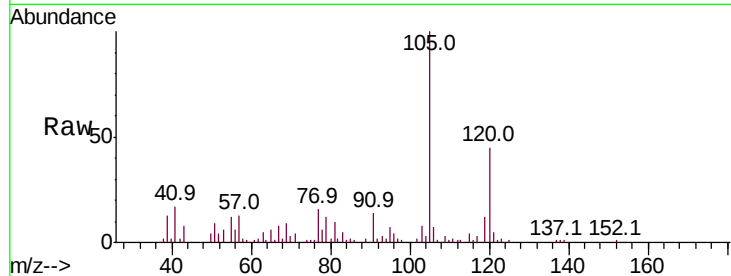
#84
 1,2,4-Trimethylbenzene
 Concen: 80.424 ug/l
 RT: 14.23 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD062523.D
 Acq: 23 May 2019 15:41

Instrument :
 MSVOA_D
 ClientSampleId :
 P-8(9.5-10.0)

Tot Ion:105 Resp: 111570
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.1 69.2

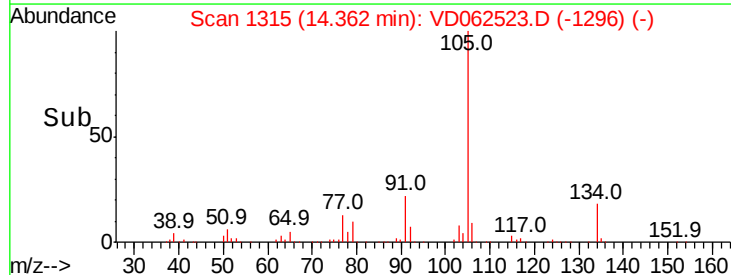
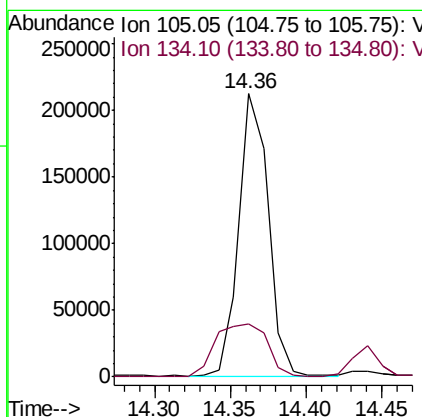
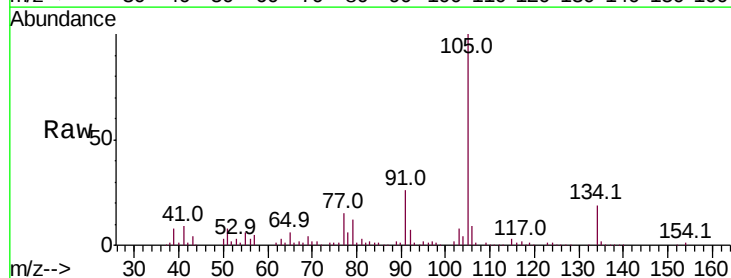
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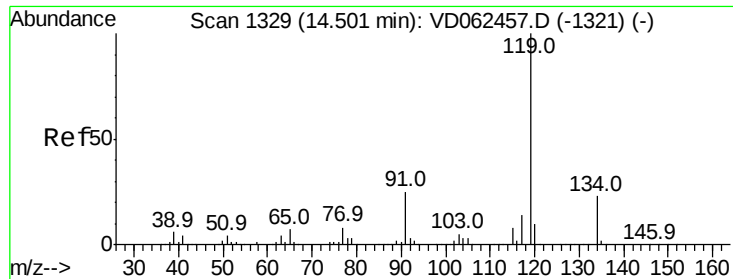
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#85
 sec-Butylbenzene
 Concen: 183.181 ug/l
 RT: 14.36 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD062523.D
 Acq: 23 May 2019 15:41

Tgt Ion:105 Resp: 286842
 Ion Ratio Lower Upper
 105 100
 134 18.8 8.9 26.7





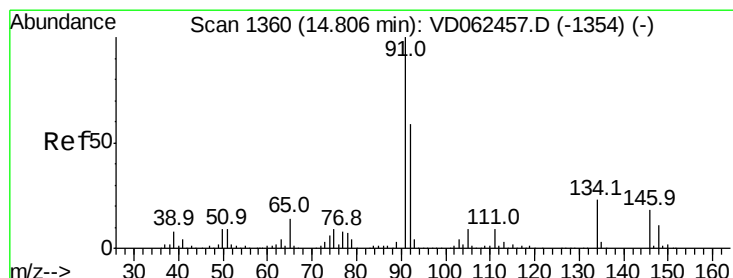
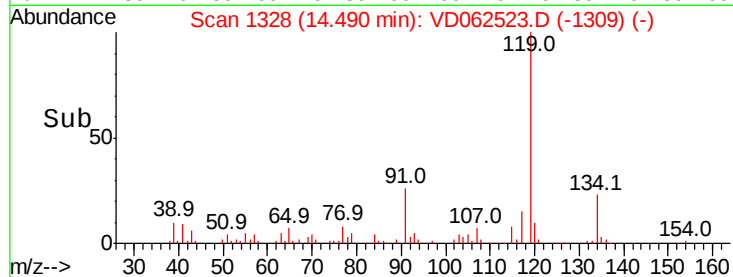
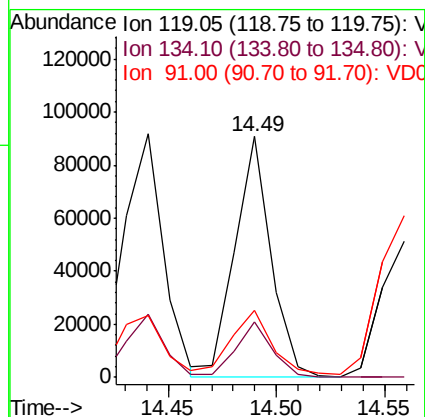
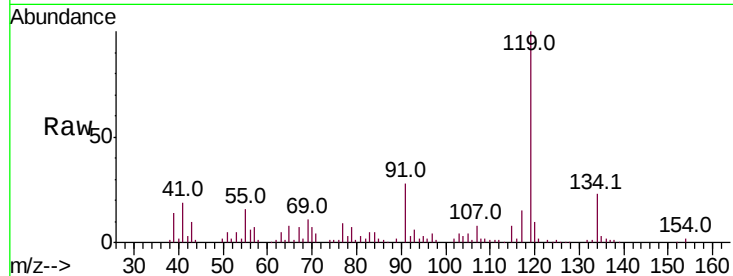
#86
p-Isopropyltoluene
Concen: 73.624 ug/l
RT: 14.49 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Instrument :
MSVOA_D
ClientSampleId :
P-8(9.5-10.0)

Tot Ion	Ratio	Lower	Upper
119	100		
134	22.9	12.8	38.3
91	28.0	10.7	32.1

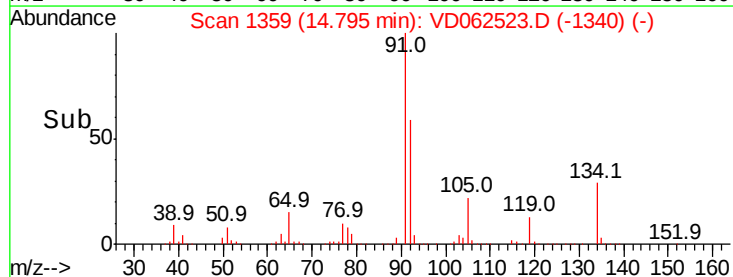
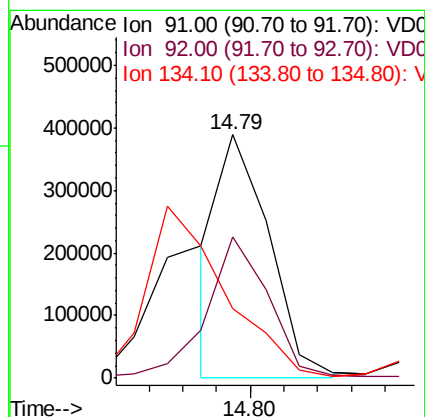
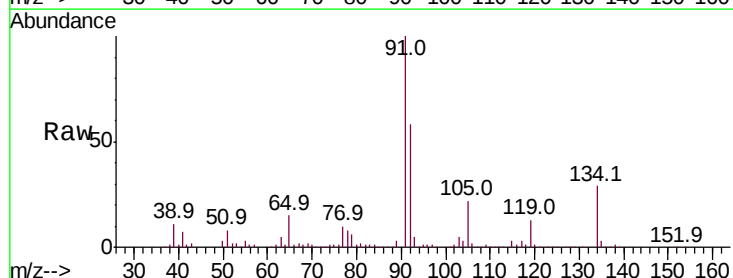
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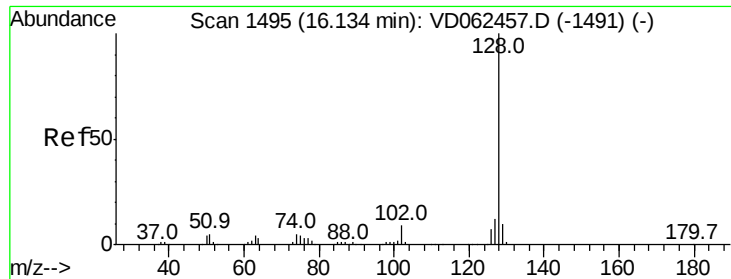
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#89
n-Butylbenzene
Concen: 296.380 ug/l m
RT: 14.79 min Scan# 1359
Delta R.T. -0.01 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.2	30.3	91.0
134	28.8	14.5	43.6





#95
Naphthalene
Concen: 1230.328 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. -0.01 min
Lab File: VD062523.D
Acq: 23 May 2019 15:41

Instrument :
MSVOA_D
ClientSampleId :
P-8(9.5-10.0)

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.1	9.8	14.8
129	11.0	8.8	13.2

Manual Integrations
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