

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062679.D
 Acq On : 12 Jun 2019 17:30
 Operator : VA/AP
 Sample : K3274-05RE
 Misc : 4.36g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13 0.5-1.0 060719RE

Manual Integrations
 APPROVED

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 6/13/2019 3:12:05 PM

Quant Time: Jun 13 07:58:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	342912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	495679	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	287449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	122518	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	292493	59.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.22%	
35) Dibromofluoromethane	6.91	113	315464	60.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.70%	
50) Toluene-d8	10.39	98	415306	37.77	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	75.54%	
62) 4-Bromofluorobenzene	13.55	95	160377	31.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	62.52%	
Target Compounds						
					Qvalue	
16) Acetone	3.21	43	291596	321.817	ug/l	97
25) 2-Butanone	6.05	43	43672	49.404	ug/l	99
67) Ethyl Benzene	12.52	91	317966	28.205	ug/l	100
68) m/p-Xylenes	12.66	106	625062	157.717	ug/l	100
69) o-Xylene	13.04	106	504033	138.478	ug/l	93
73) Isopropylbenzene	13.40	105	850111	98.442	ug/l	97
78) n-propylbenzene	13.77	91	1693258	160.186	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	2112245	276.758	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	8172380	1081.481	ug/l	92
85) sec-Butylbenzene	14.37	105	2695743	305.398	ug/l	99
86) p-Isopropyltoluene	14.49	119	1755426	204.257	ug/l	97
89) n-Butylbenzene	14.80	91	971146m	125.607	ug/l	
95) Naphthalene	16.12	128	1279355	271.379	ug/l	97

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

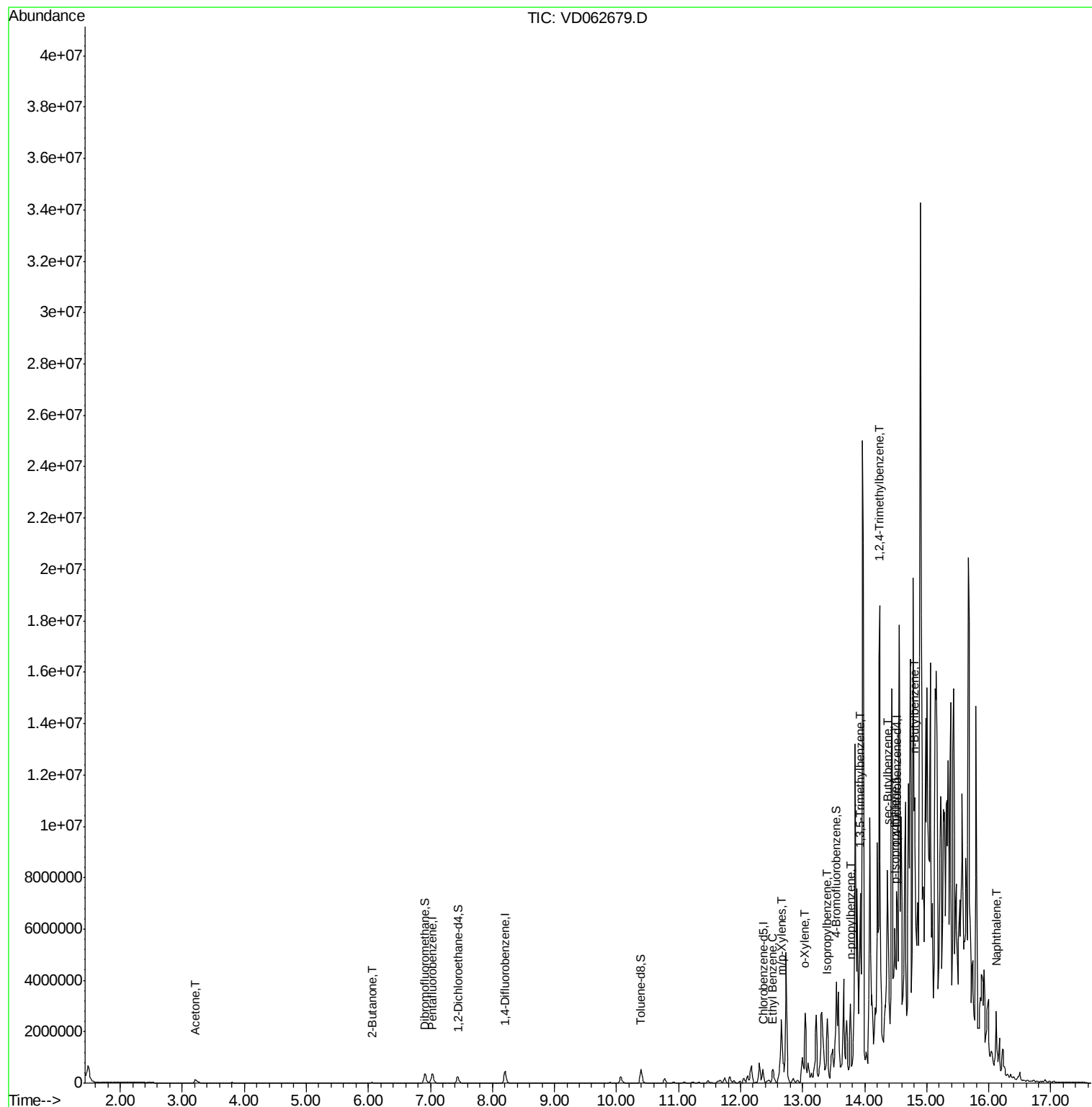
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061219\
Data File : VD062679.D
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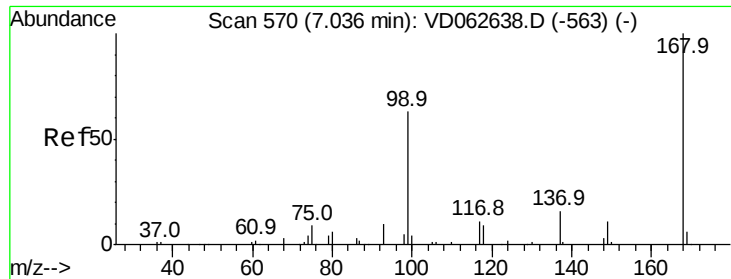
Instrument :
MSVOA_D
ClientSampleId :
SB-13 0.5-1.0 060719RE

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
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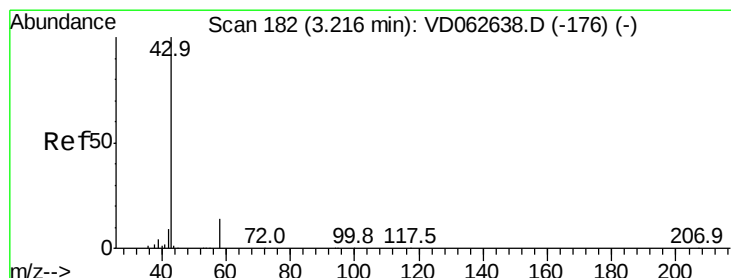
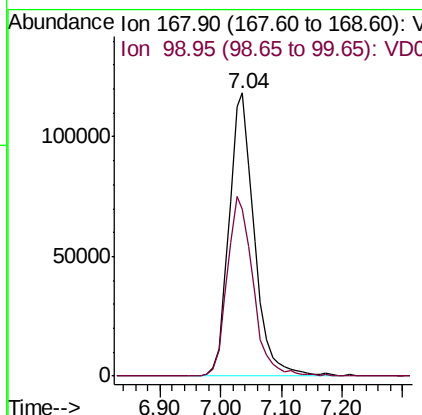
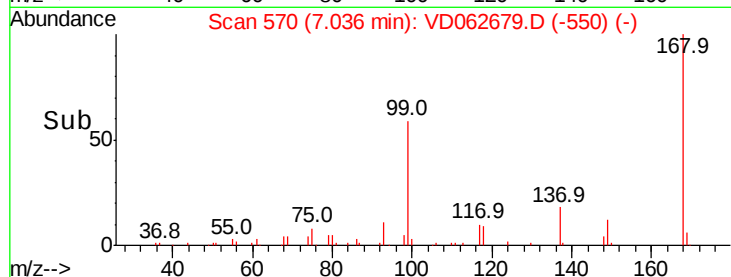
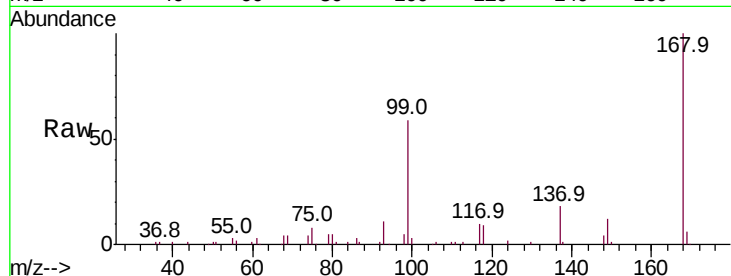
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.00 min
Lab File: VD062679.D
Acq: 12 Jun 2019 17:30

Instrument :
MSVOA_D
ClientSampleId :
SB-13 0.5-1.0_060719RE

Tot Ion	Ratio	Resp	Lower	Upper
168	100	342912		
99	58.8		51.4	77.2

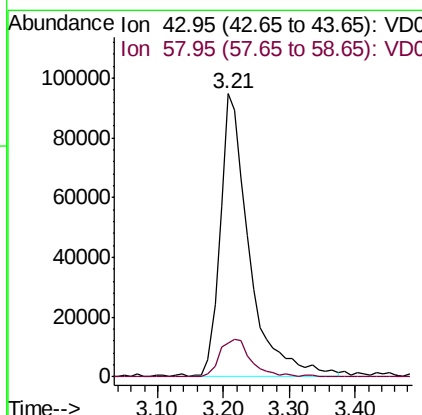
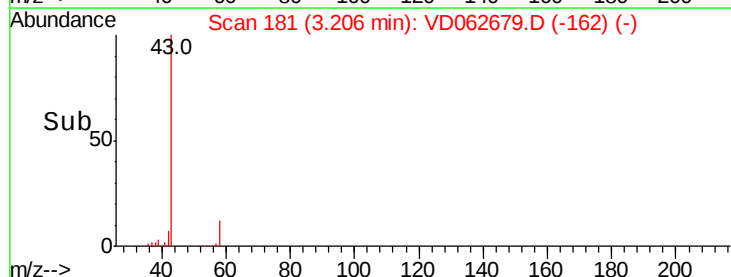
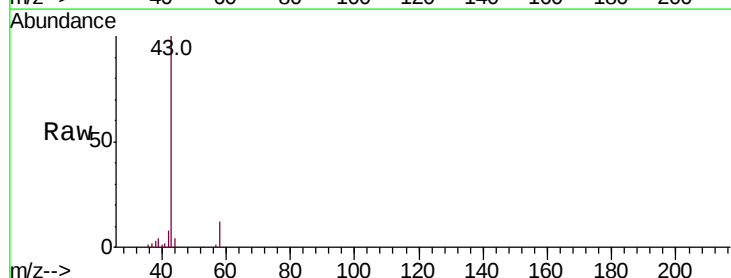
Manual Integrations
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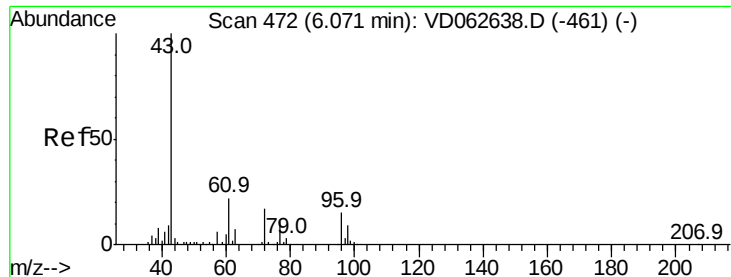
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#16
Acetone
Concen: 321.817 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.01 min
Lab File: VD062679.D
Acq: 12 Jun 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	291596		
58	12.2		10.8	16.2





#25

2-Butanone

Concen: 49.404 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.02 min

Lab File: VD062679.D

Acq: 12 Jun 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

SB-13 0.5-1.0_060719RE

Tot Ion: 43 Resp: 43672

Ion Ratio Lower Upper

43 100

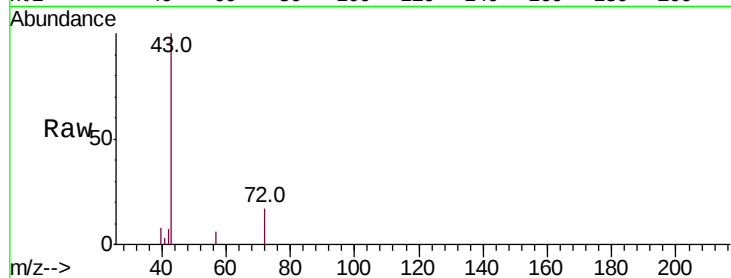
72 17.2 13.5 20.3

Manual Integrations

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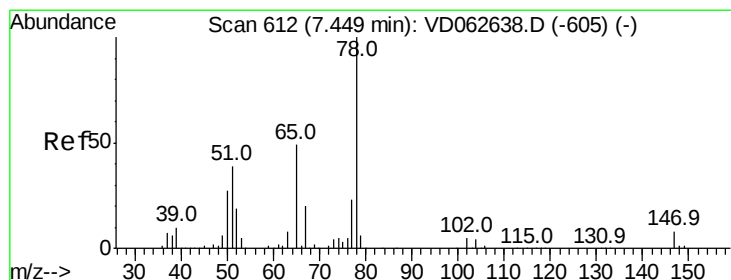
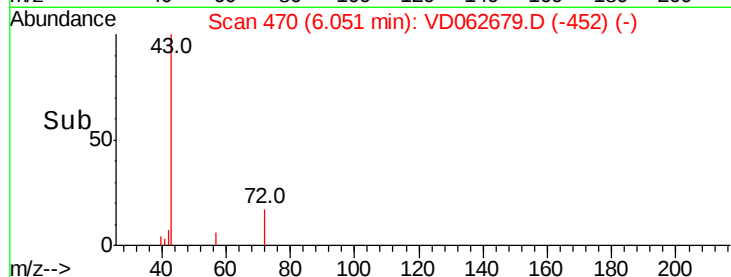
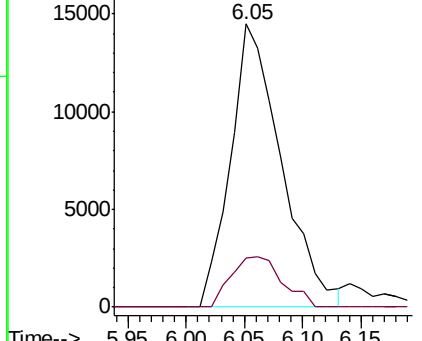
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 59.111 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD062679.D

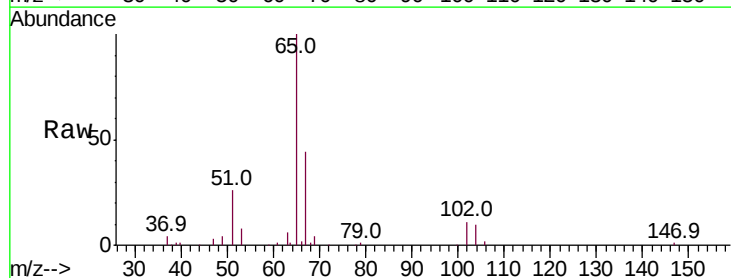
Acq: 12 Jun 2019 17:30

Tgt Ion: 65 Resp: 292493

Ion Ratio Lower Upper

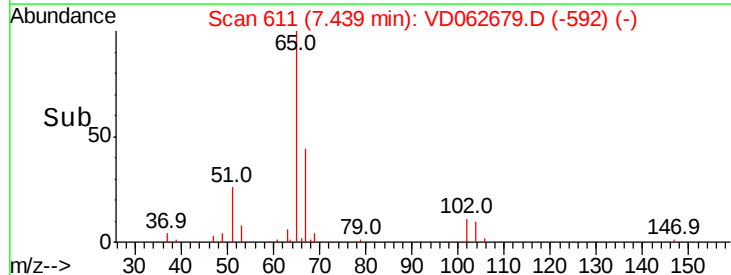
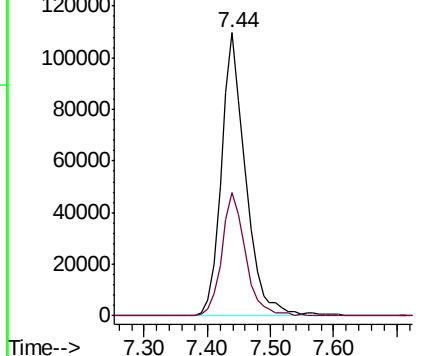
65 100

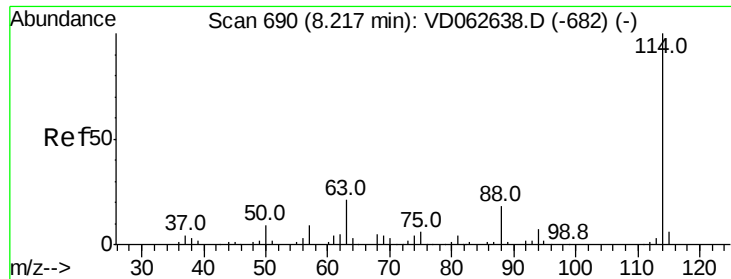
67 43.7 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





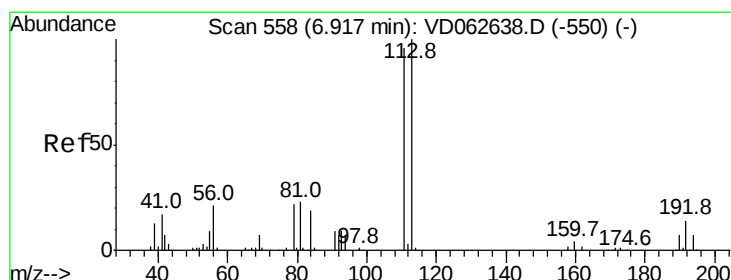
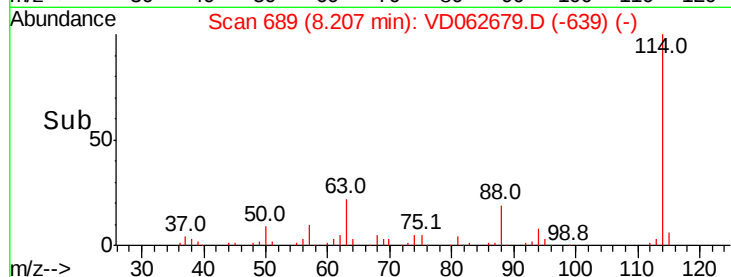
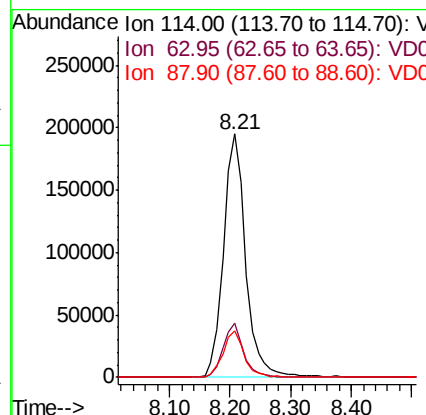
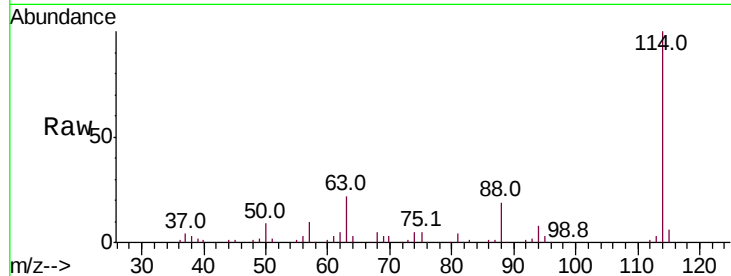
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062679.D
 Acq: 12 Jun 2019 17:30

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13 0.5-1.0 060719RE

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	22.2	0.0	42.4
88	18.9	0.0	36.8

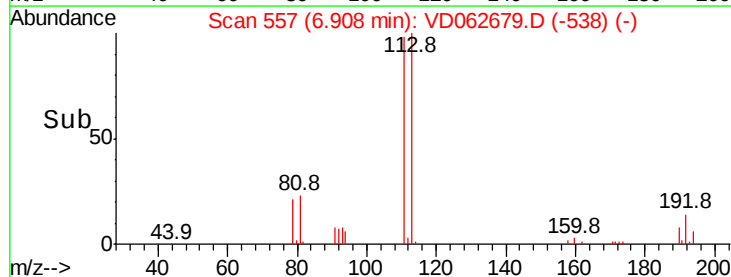
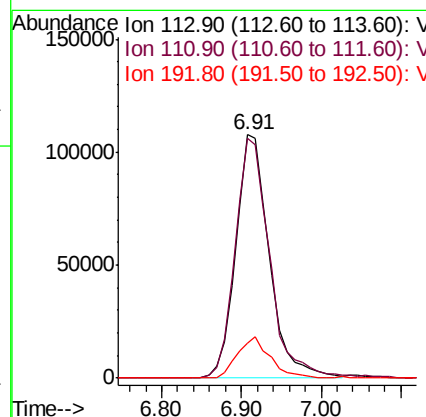
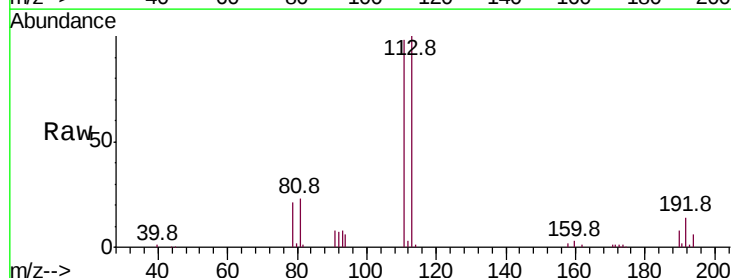
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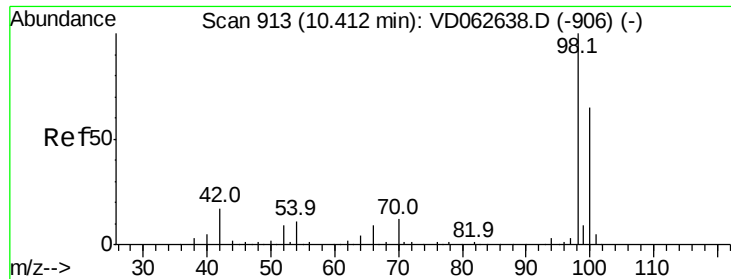
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#35
 Dibromofluoromethane
 Concen: 60.346 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD062679.D
 Acq: 12 Jun 2019 17:30

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	98.4	76.4	114.6
192	14.3	11.4	17.0





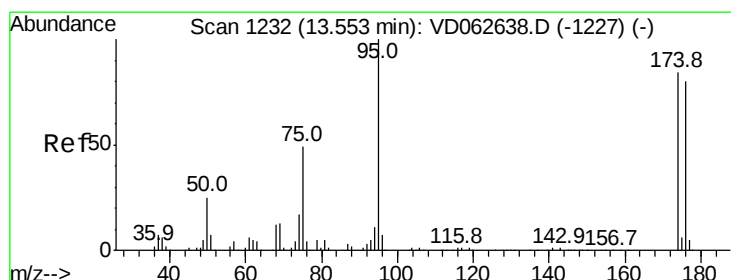
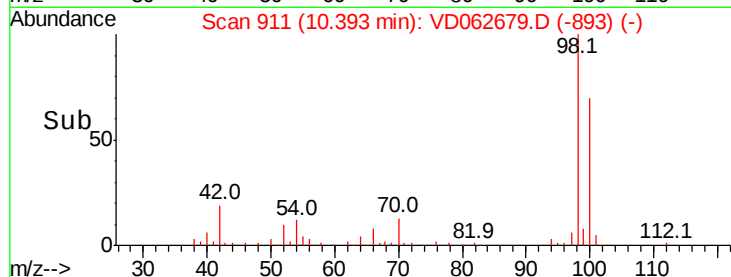
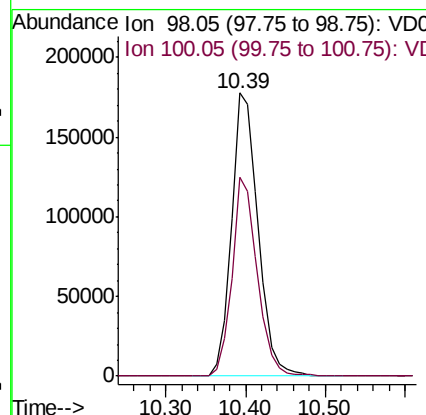
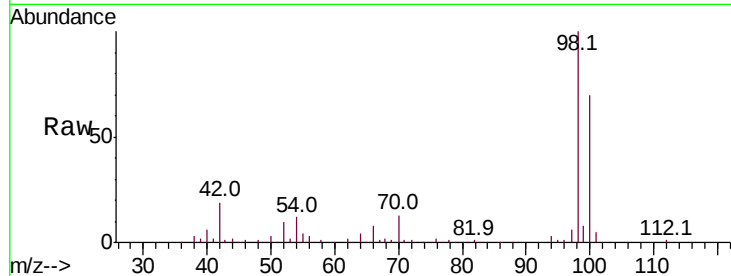
#50
Toluene-d8
Concen: 37.765 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062679.D
Acq: 12 Jun 2019 17:30

Instrument :
MSVOA_D
ClientSampleId :
SB-13 0.5-1.0 060719RE

Tot Ion: 98 Resp: 415306
Ion Ratio Lower Upper
98 100
100 70.2 52.1 78.1

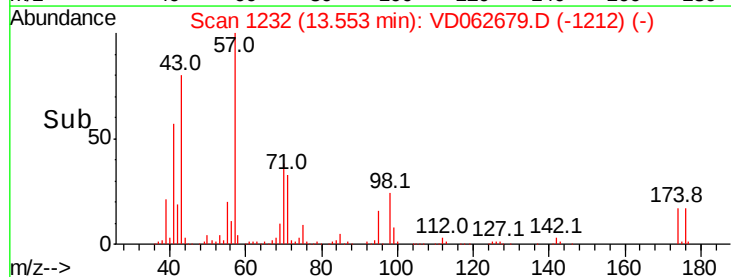
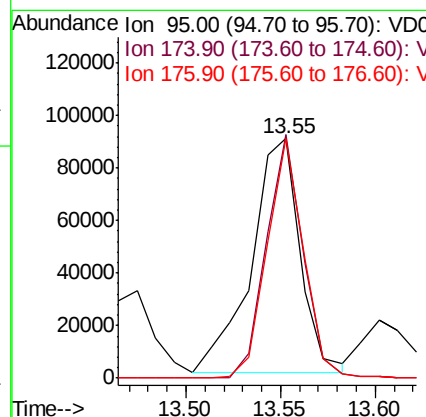
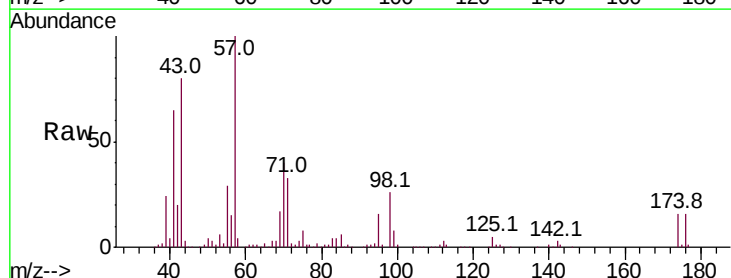
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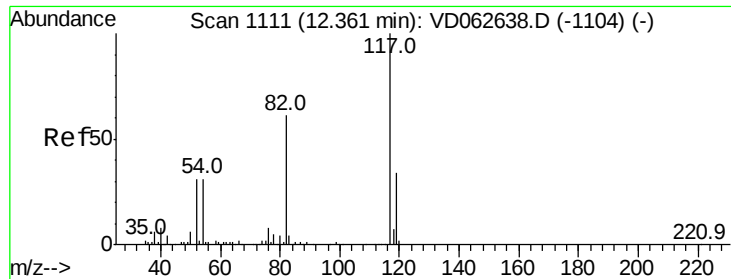
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#62
4-Bromofluorobenzene
Concen: 31.260 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062679.D
Acq: 12 Jun 2019 17:30

Tgt Ion: 95 Resp: 160377
Ion Ratio Lower Upper
95 100
174 101.6 0.0 167.0
176 99.9 0.0 159.2





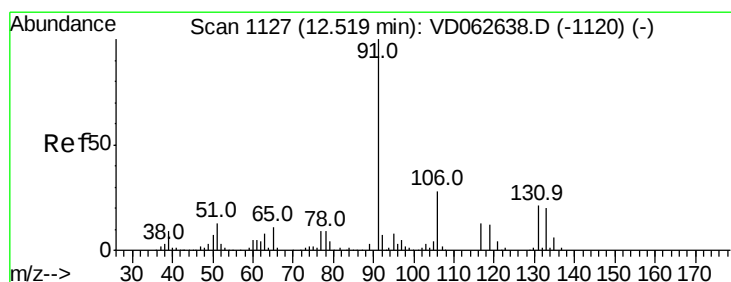
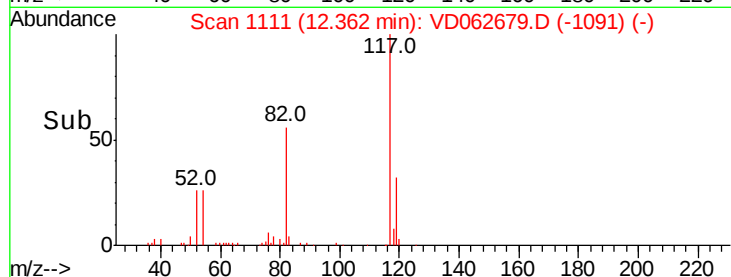
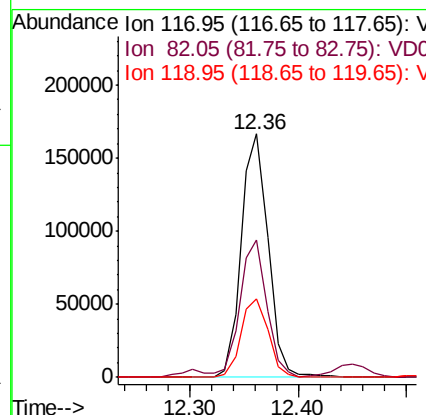
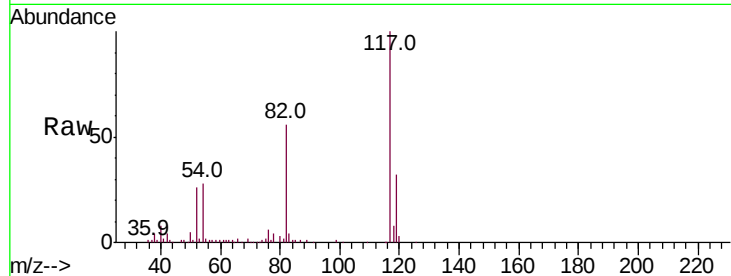
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062679.D
Acq: 12 Jun 2019 17:30

Instrument :
MSVOA_D
ClientSampleId :
SB-13 0.5-1.0 060719RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	48.7	73.1
119	32.0	27.0	40.6

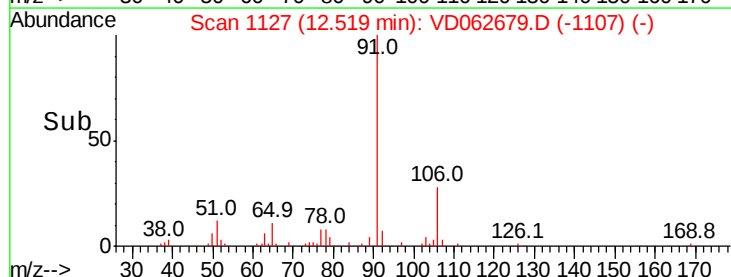
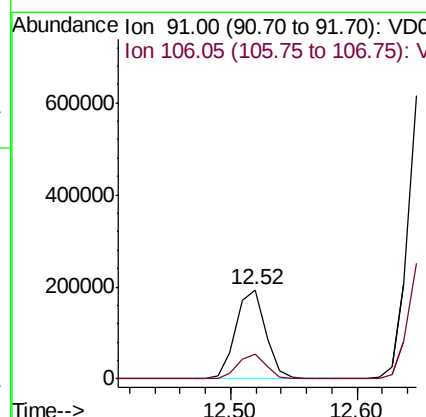
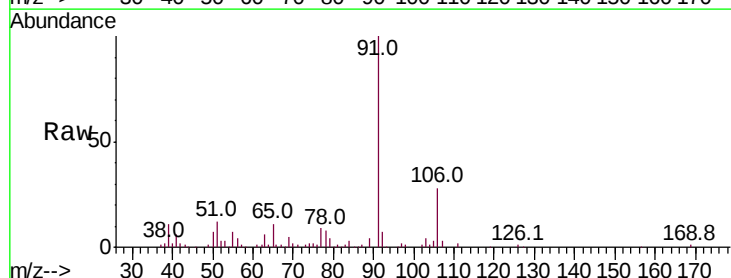
Manual Integrations
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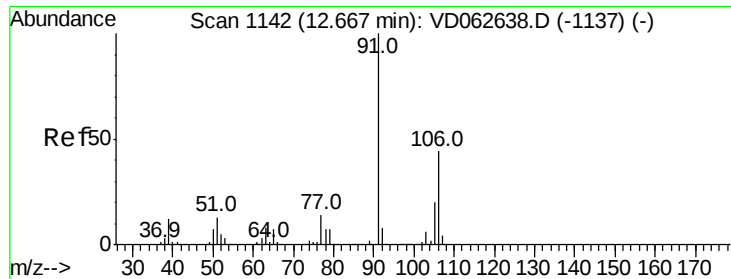
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#67
Ethyl Benzene
Concen: 28.205 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062679.D
Acq: 12 Jun 2019 17:30

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.7	22.1	33.1





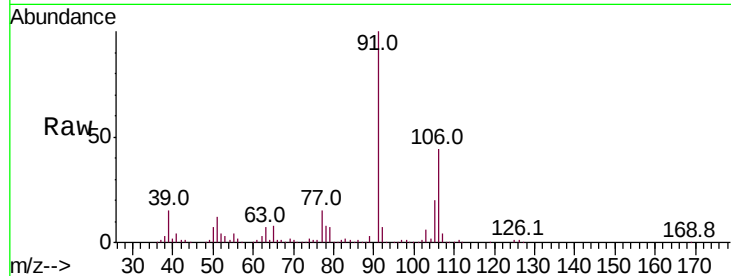
#68
m/p-Xylenes
Concen: 157.717 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062679.D
Acq: 12 Jun 2019 17:30

Instrument :
MSVOA_D
ClientSampleId :
SB-13 0.5-1.0 060719RE

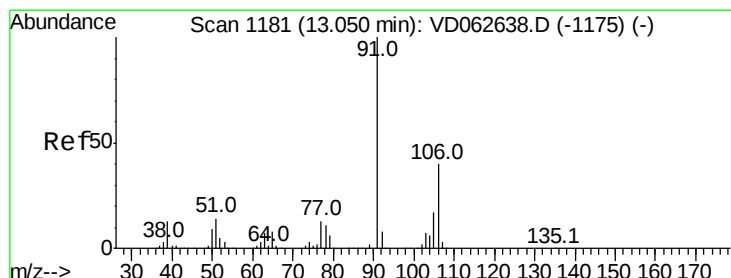
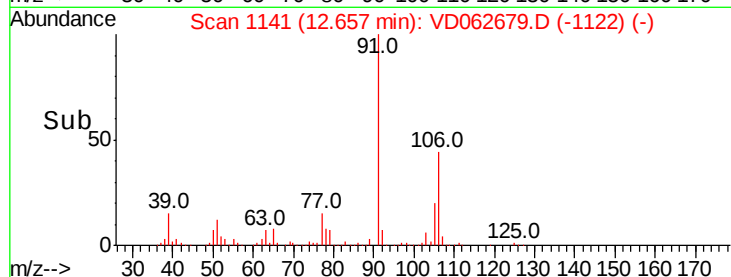
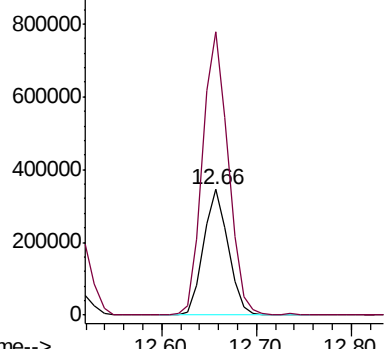
Tot Ion:106 Resp: 625062
Ion Ratio Lower Upper
106 100
91 225.5 180.2 270.4

Manual Integrations
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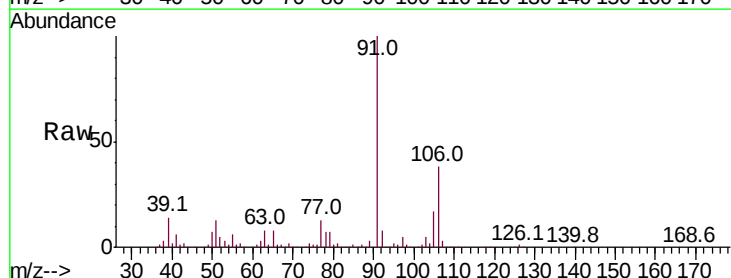


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

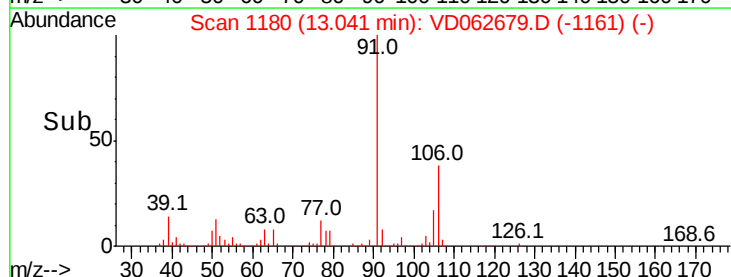
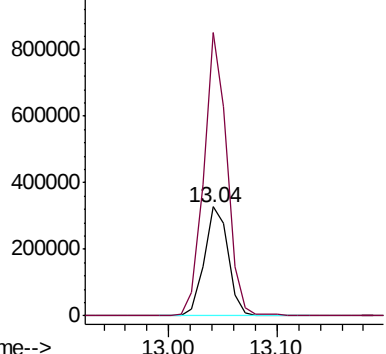


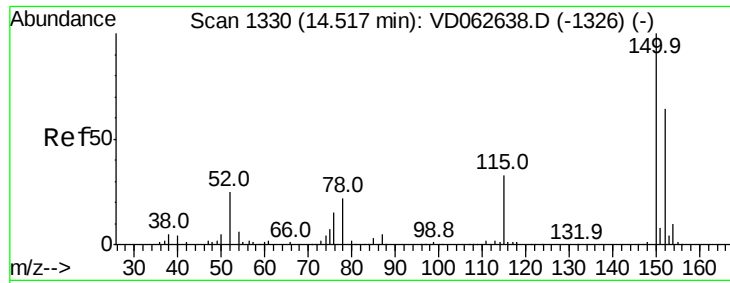
#69
o-Xylene
Concen: 138.478 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062679.D
Acq: 12 Jun 2019 17:30

Tgt Ion:106 Resp: 504033
Ion Ratio Lower Upper
106 100
91 260.3 124.1 372.1



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# 1330

Delta R.T. 0.00 min

Lab File: VD062679.D

Acq: 12 Jun 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

SB-13 0.5-1.0_060719RE

Tot Ion:152 Resp: 122518

Ion Ratio Lower Upper

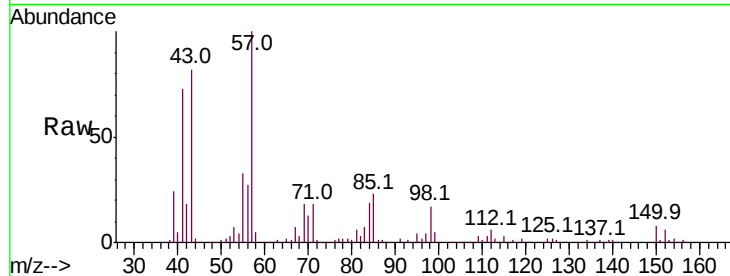
152 100

115 58.6 30.1 90.5

150 142.4 0.0 314.0

Manual Integrations
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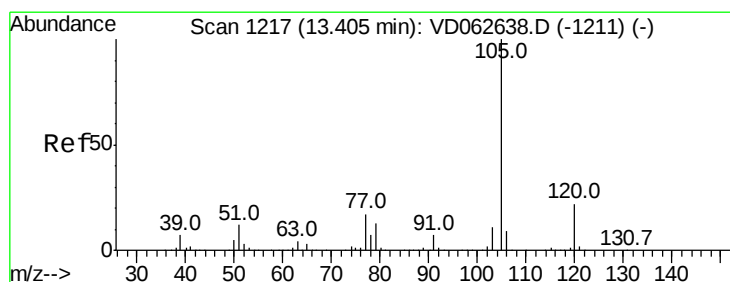
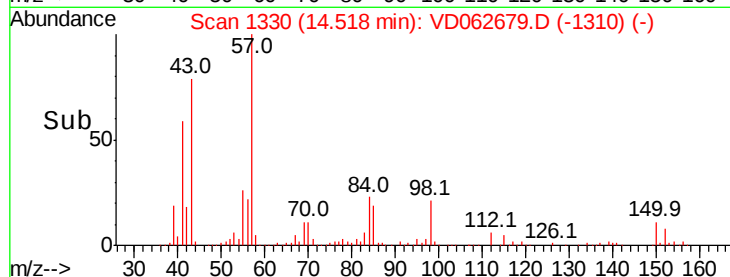
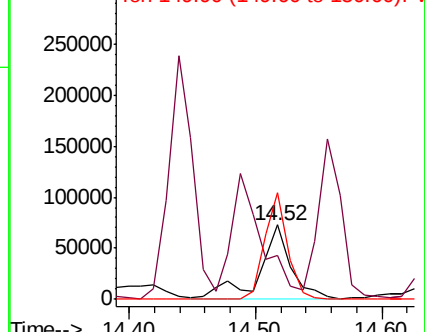
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 98.442 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062679.D

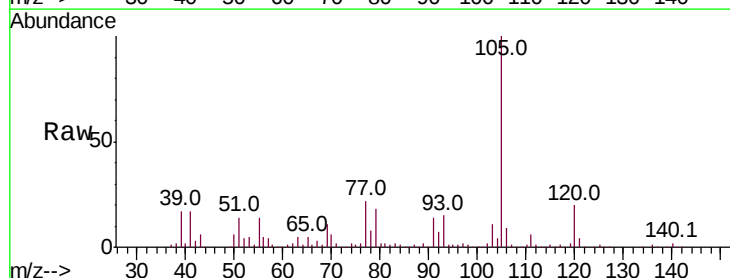
Acq: 12 Jun 2019 17:30

Tgt Ion:105 Resp: 850111

Ion Ratio Lower Upper

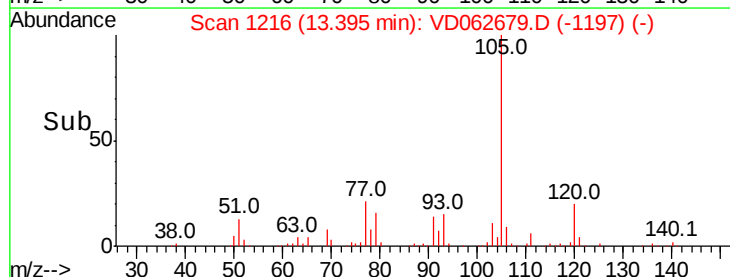
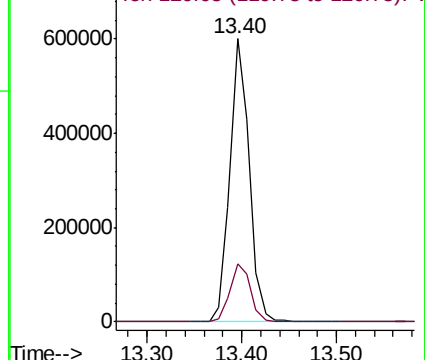
105 100

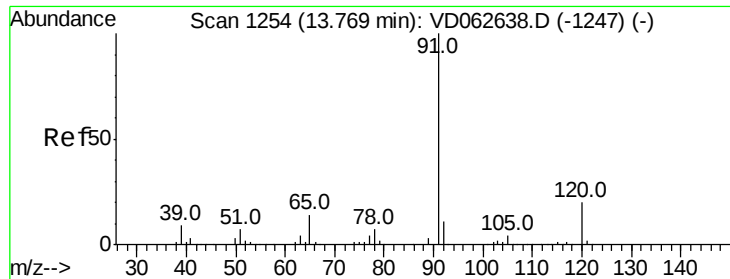
120 20.5 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 160.186 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062679.D

Acq: 12 Jun 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

SB-13 0.5-1.0 060719RE

Tot Ion: 91 Resp: 1693258

Ion Ratio Lower Upper

91 100

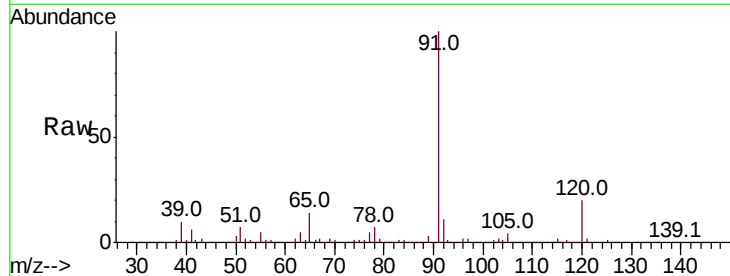
120 19.7

9.8

29.5

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

1500000

1000000

500000

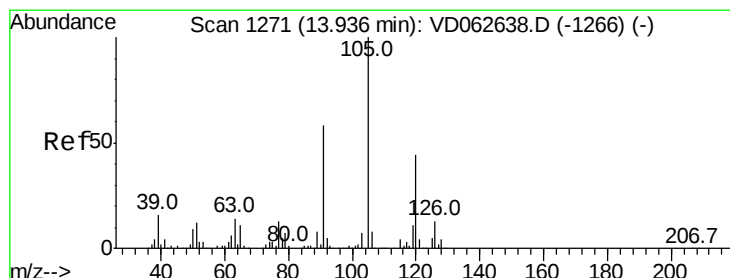
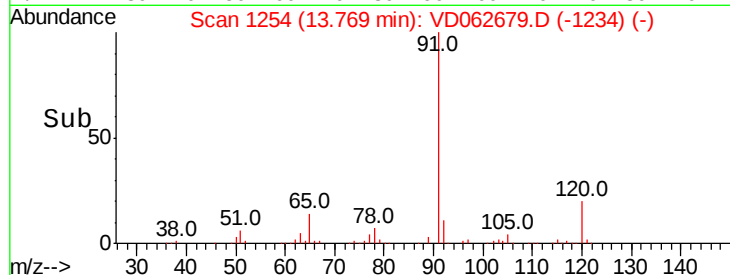
0

13.77

13.75

13.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 276.758 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062679.D

Acq: 12 Jun 2019 17:30

Tgt Ion:105 Resp: 2112245

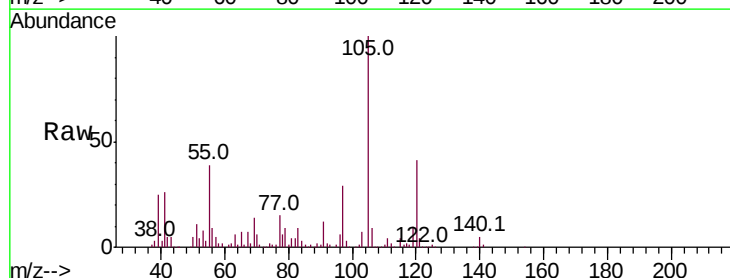
Ion Ratio Lower Upper

105 100

120 41.3

22.1

66.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

1000000

500000

0

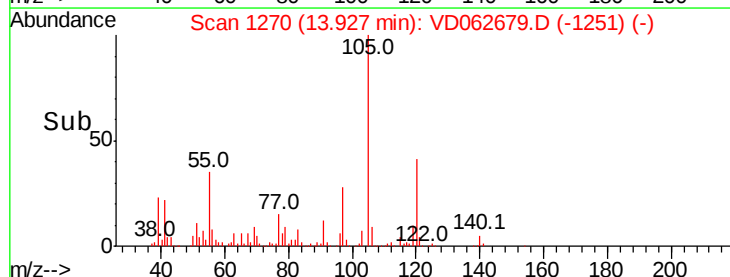
13.93

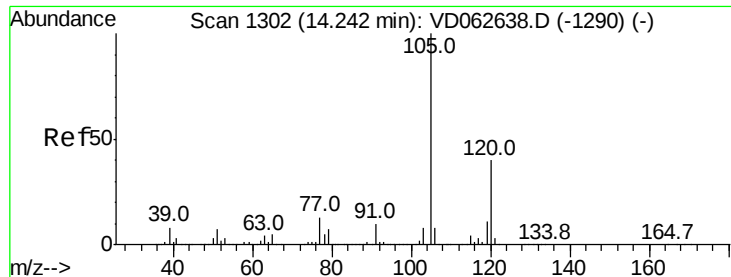
13.90

13.95

14.00

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 1081.481 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD062679.D

Acq: 12 Jun 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

SB-13 0.5-1.0_060719RE

Tot Ion:105 Resp: 8172380

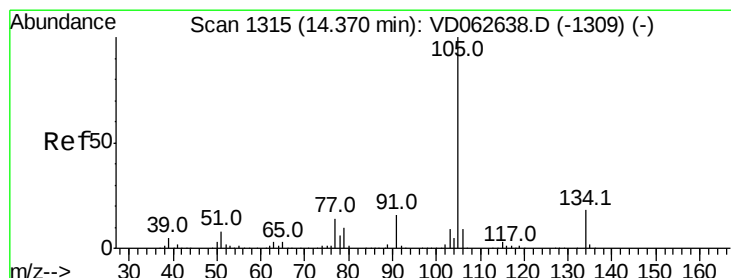
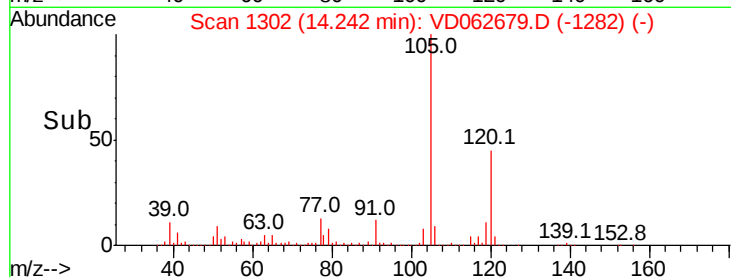
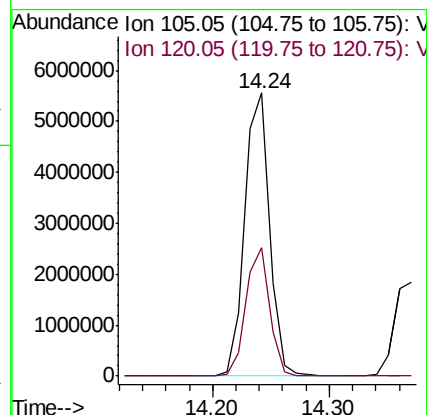
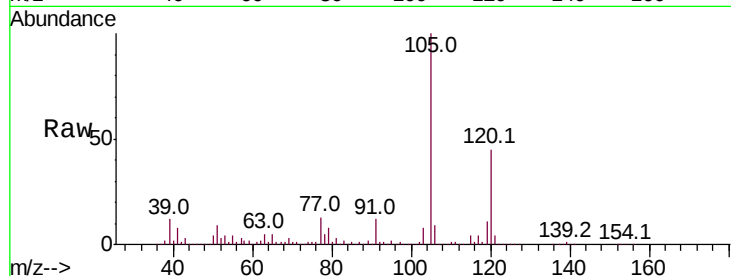
Ion Ratio Lower Upper

105 100

120 45.4 20.3 60.8

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#85

sec-Butylbenzene

Concen: 305.398 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062679.D

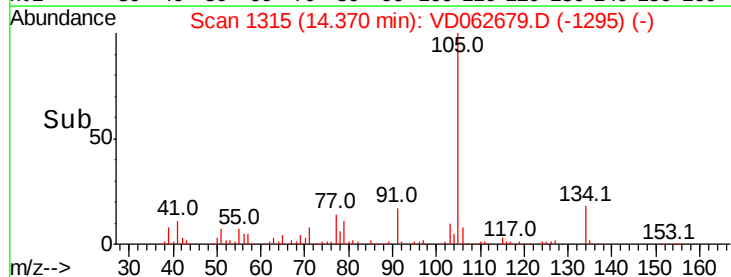
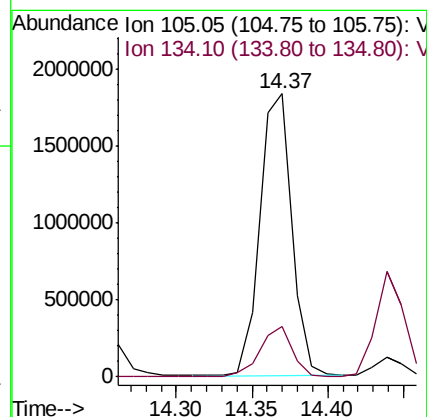
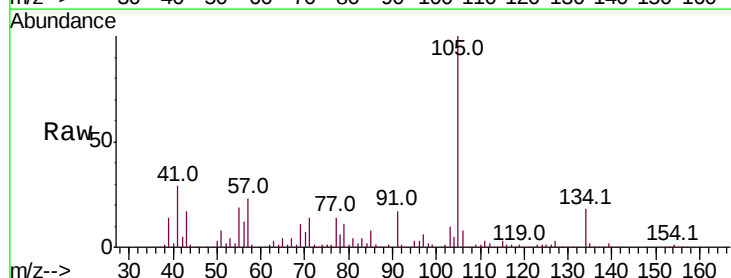
Acq: 12 Jun 2019 17:30

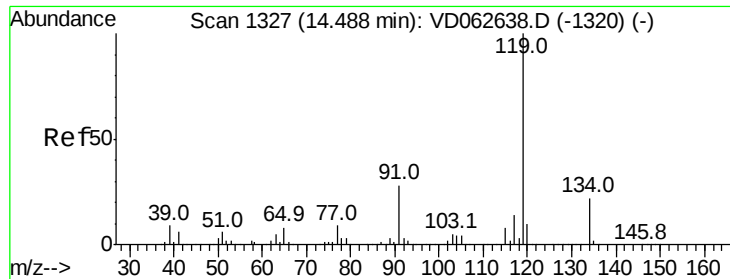
Tgt Ion:105 Resp: 2695743

Ion Ratio Lower Upper

105 100

134 17.9 8.8 26.2





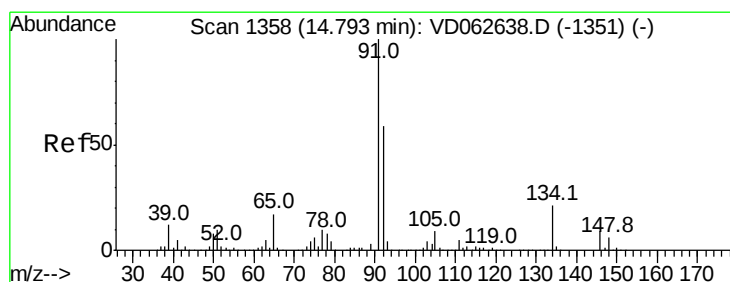
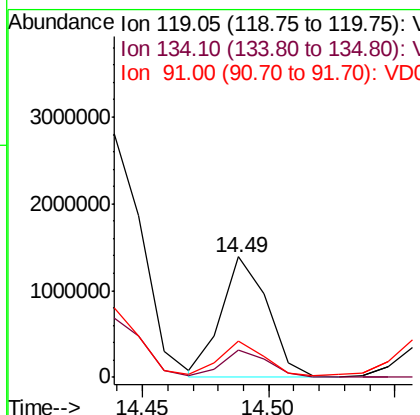
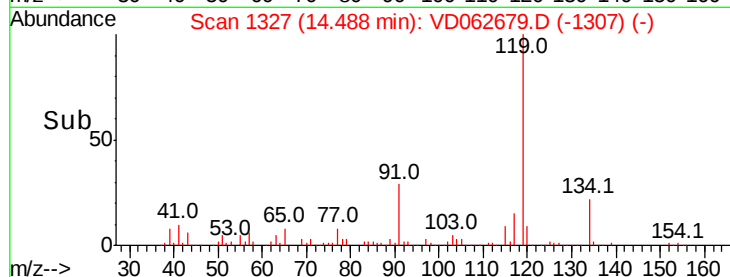
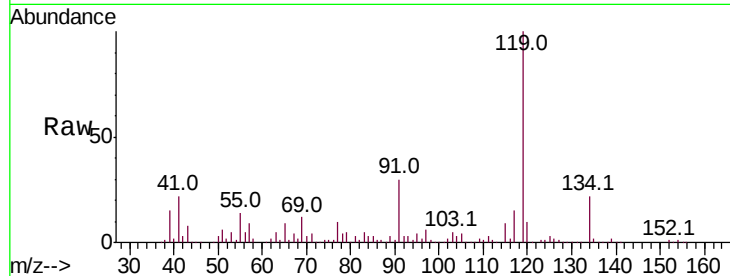
#86
p-Isopropyltoluene
Concen: 204.257 ug/l
RT: 14.49 min Scan# 1327
Delta R.T. 0.00 min
Lab File: VD062679.D
Acq: 12 Jun 2019 17:30

Instrument :
MSVOA_D
ClientSampleId :
SB-13 0.5-1.0_060719RE

Tot Ion	Ratio	Lower	Upper
119	100		
134	22.1	10.9	32.6
91	29.8	13.9	41.6

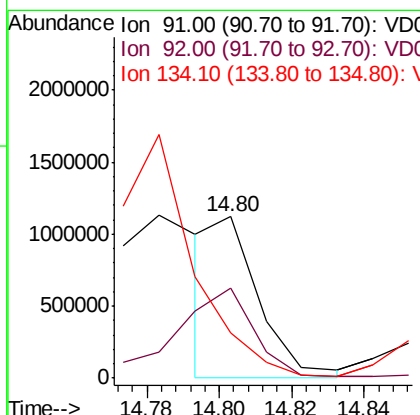
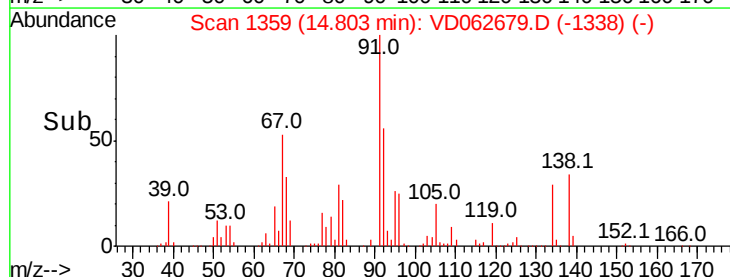
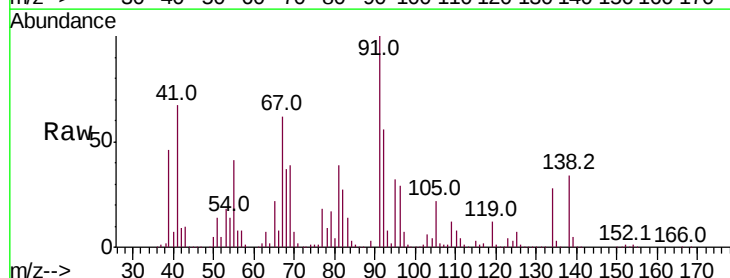
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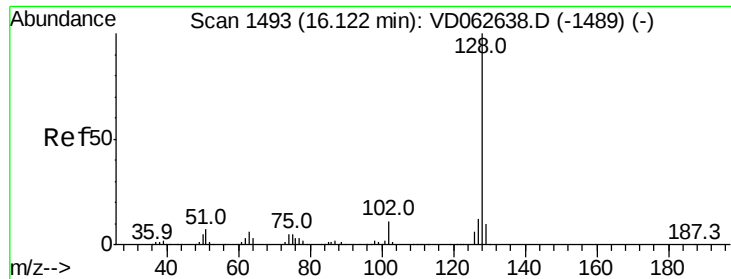
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#89
n-Butylbenzene
Concen: 125.607 ug/l m
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062679.D
Acq: 12 Jun 2019 17:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.6	29.4	88.3
134	28.4	10.4	31.2





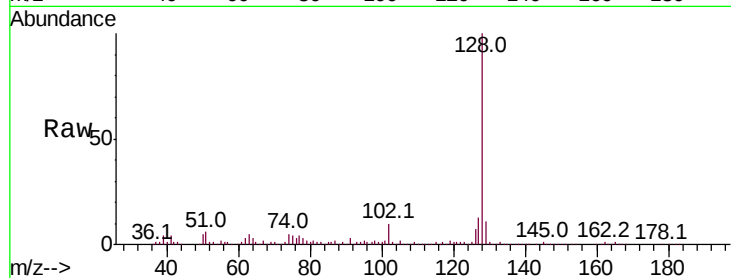
#95
Naphthalene
Concen: 271.379 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062679.D
Acq: 12 Jun 2019 17:30

Instrument :
MSVOA_D
ClientSampleId :
SB-13 0.5-1.0 060719RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.7	14.5
129	11.1	8.1	12.1

Manual Integrations
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Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

