

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064259.D
 Acq On : 18 Nov 2019 12:38
 Operator : VA/SY
 Sample : K5818-01
 Misc : 1.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 30525

Manual Integrations
 APPROVED

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 11/20/2019 1:11:52 PM

Quant Time: Nov 19 04:54:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	666751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	991051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	730498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258605	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	325997	59.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.90%	
35) Dibromofluoromethane	7.92	113	325223	57.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.34%	
50) Toluene-d8	10.35	98	987480	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	
62) 4-Bromofluorobenzene	12.64	95	285138	38.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.74%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	981441	755.491	ug/l	98
31) Cyclohexane	7.96	56	617496	57.374	ug/l #	51
39) Methylcyclohexane	9.36	83	275061	23.766	ug/l	99
52) Toluene	10.40	92	40028533m	2435.193	ug/l	
64) Tetrachloroethene	10.88	164	6310	1.123	ug/l #	83
67) Ethyl Benzene	11.75	91	122803	4.570	ug/l	94
68) m/p-Xylenes	11.86	106	77567	7.531	ug/l	98
69) o-Xylene	12.18	106	32400	3.392	ug/l	100
78) n-propylbenzene	12.83	91	28387	1.309	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	34706	2.225	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	144164	9.362	ug/l	100
95) Naphthalene	15.42	128	33128	3.616	ug/l	100

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

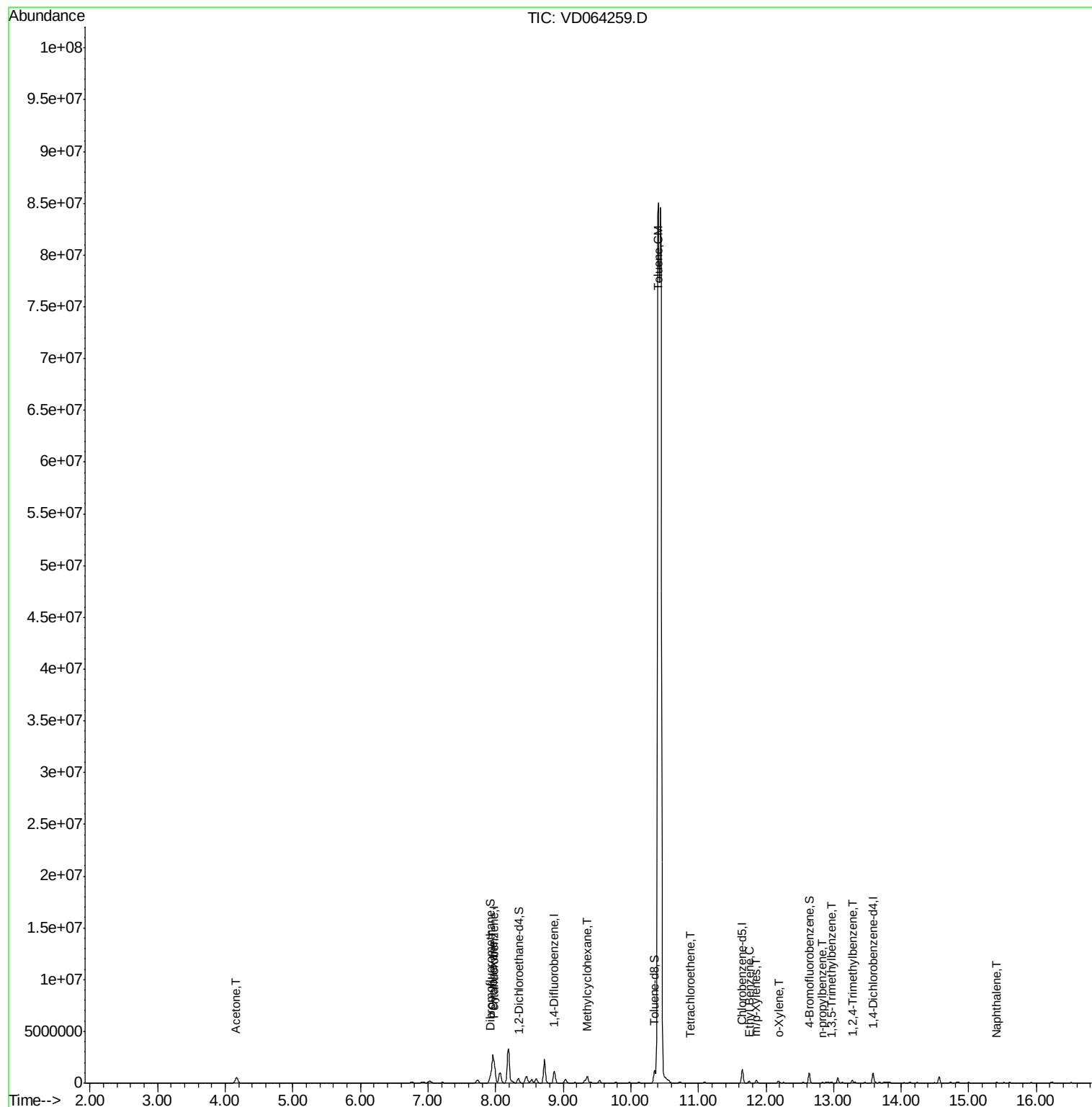
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111819\
Data File : VD064259.D
Acq On : 18 Nov 2019 12:38
Operator : VA/SY
Sample : K5818-01
Misc : 1.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

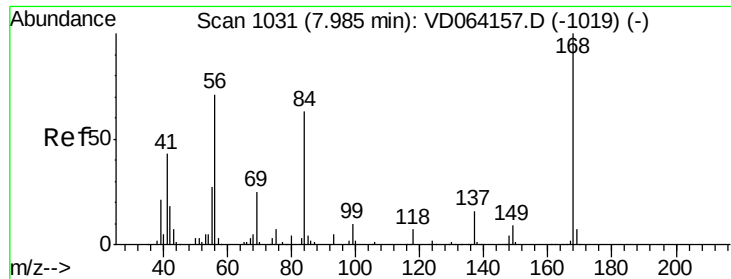
Instrument :
MSVOA_D
ClientSampleId :
30525

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Quant Time: Nov 19 04:54:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064259.D

Acq: 18 Nov 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

30525

Tot Ion:168 Resp: 666751

Ion Ratio Lower Upper

168 100

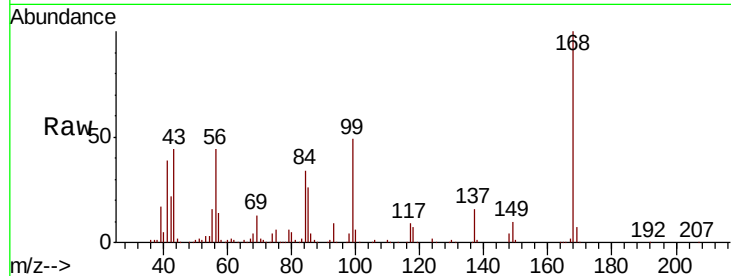
99 49.1 41.6 62.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

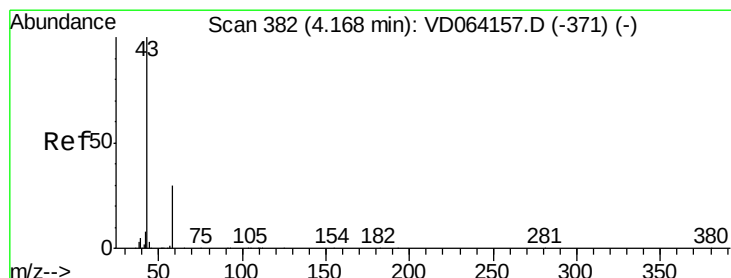
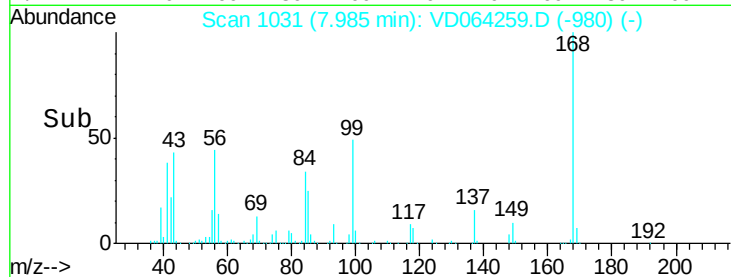
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 755.491 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064259.D

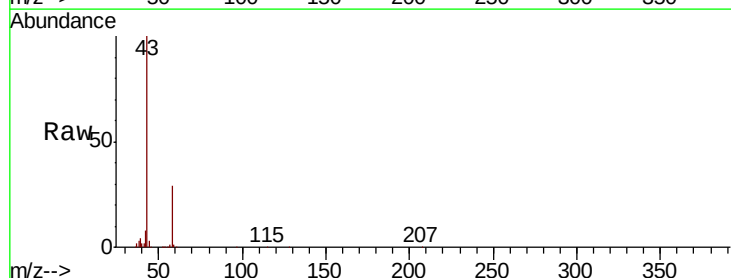
Acq: 18 Nov 2019 12:38

Tgt Ion: 43 Resp: 981441

Ion Ratio Lower Upper

43 100

58 29.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

400000

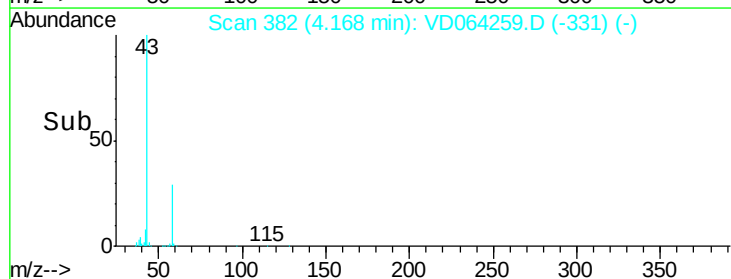
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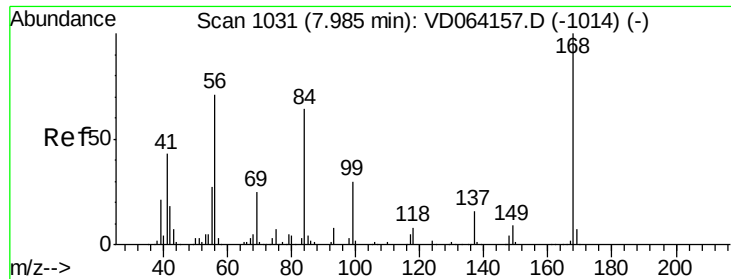
200000

100000

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Time-->





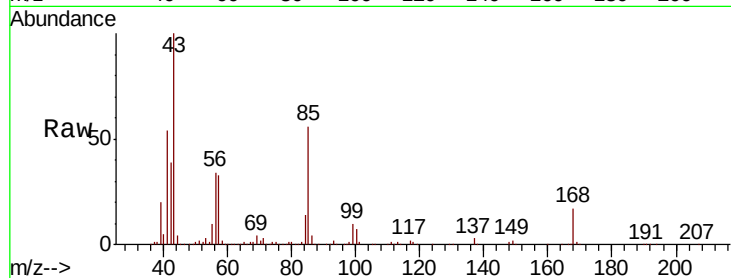
#31
Cyclohexane
Concen: 57.374 ug/l
RT: 7.96 min Scan# 1027
Delta R.T. -0.02 min
Lab File: VD064259.D
Acq: 18 Nov 2019 12:38

Instrument :
MSVOA_D
ClientSampleID :
30525

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100				
69	11.3	28.2	42.4#		
84	41.1	71.8	107.6#		

Manual Integrations
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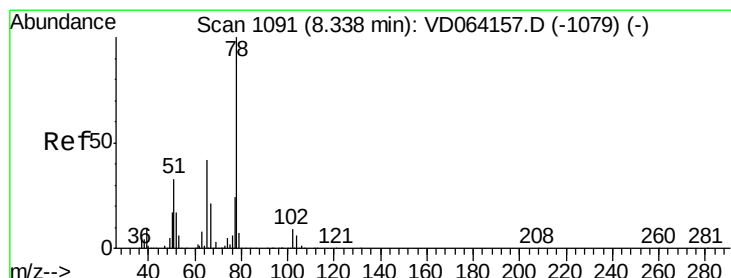
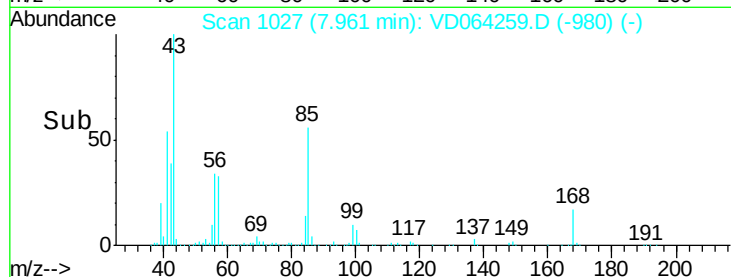
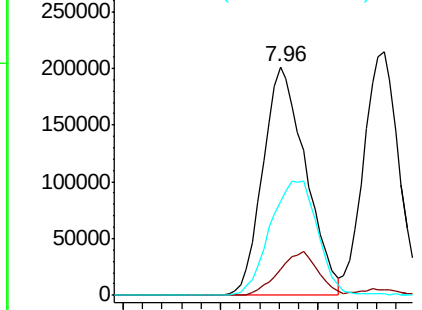


Abundance

Ion 56.00 (55.70 to 56.70): VDC

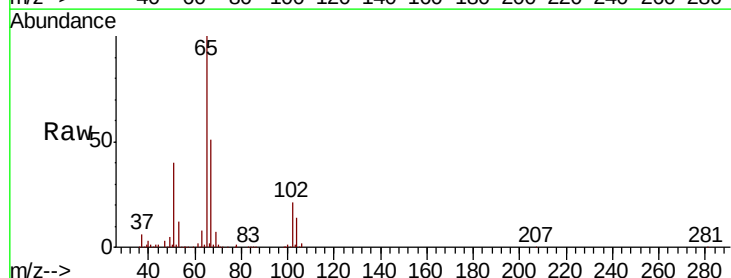
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#33
1,2-Dichloroethane-d4
Concen: 59.449 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064259.D
Acq: 18 Nov 2019 12:38

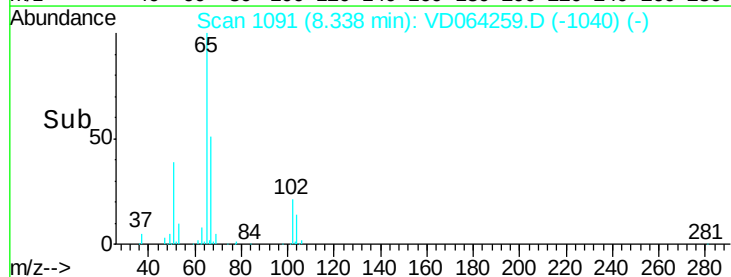
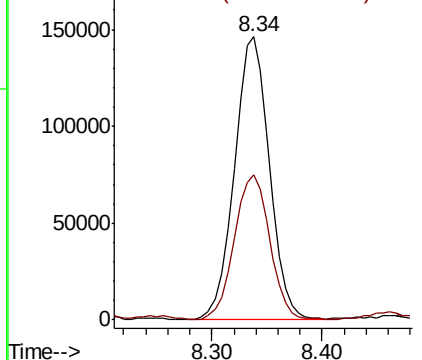
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
67	51.3	0.0	104.4		

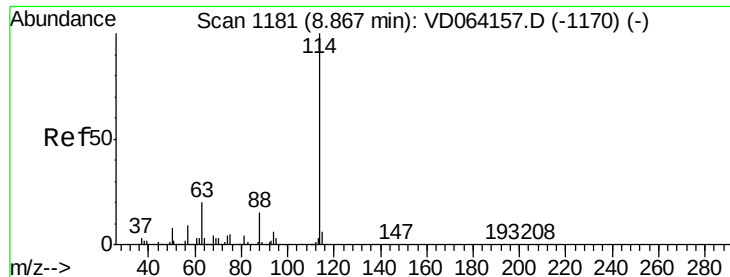


Abundance

Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





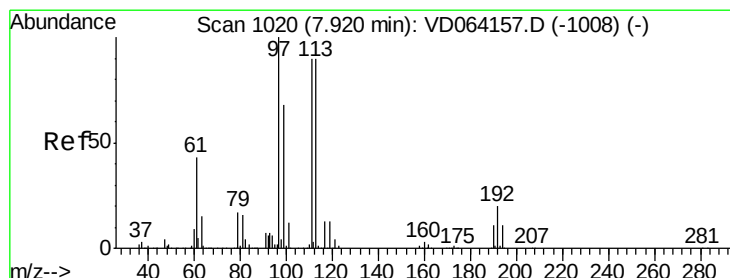
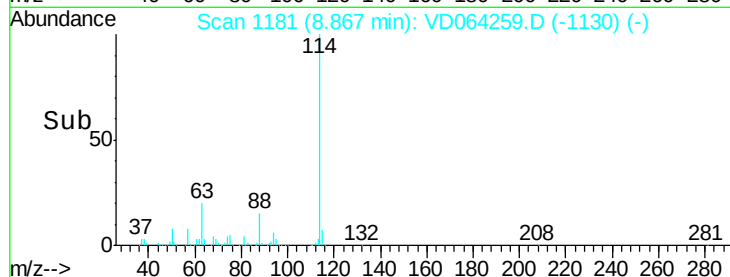
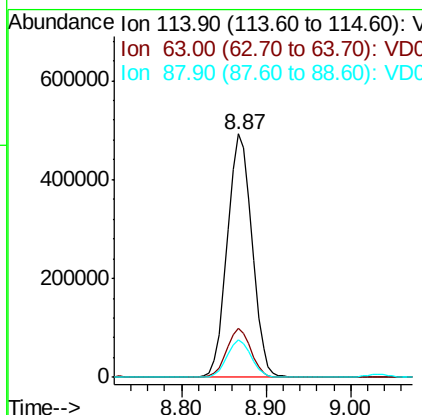
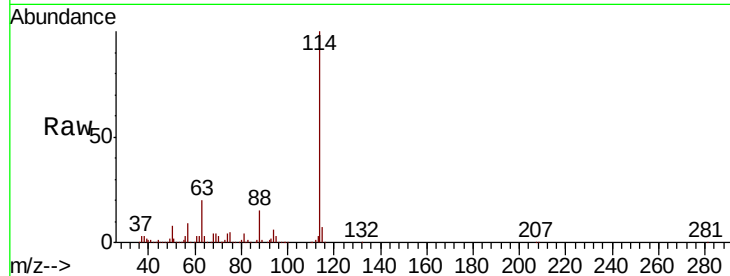
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064259.D
 Acq: 18 Nov 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 30525

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.0	0.0	40.0
88	15.3	0.0	30.2

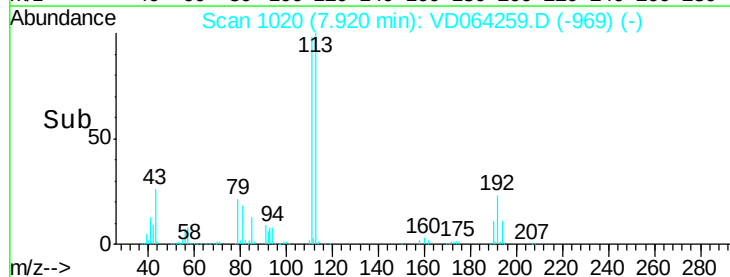
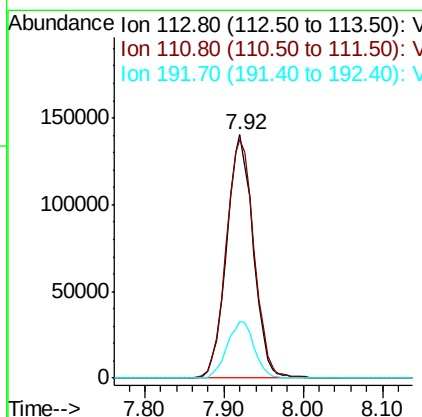
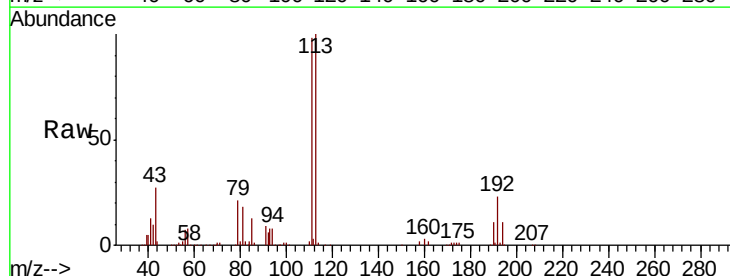
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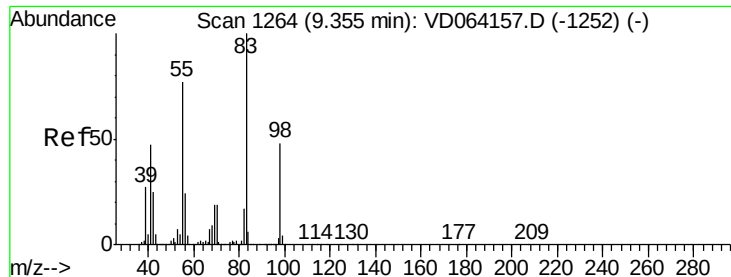
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#35
 Dibromofluoromethane
 Concen: 57.169 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064259.D
 Acq: 18 Nov 2019 12:38

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.5	81.5	122.3
192	23.9	18.8	28.2





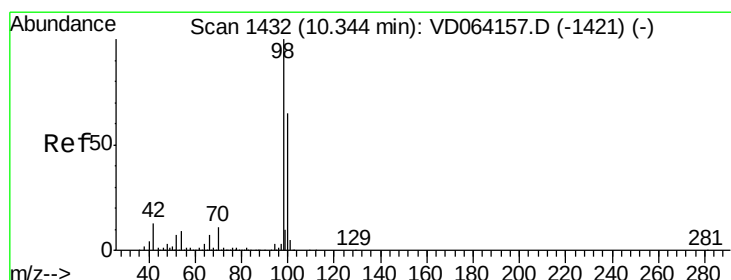
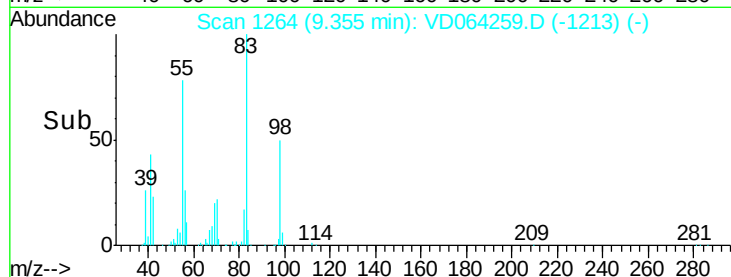
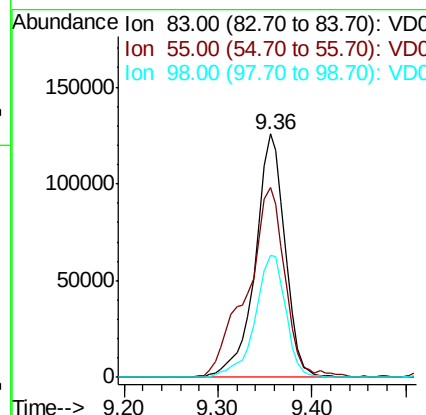
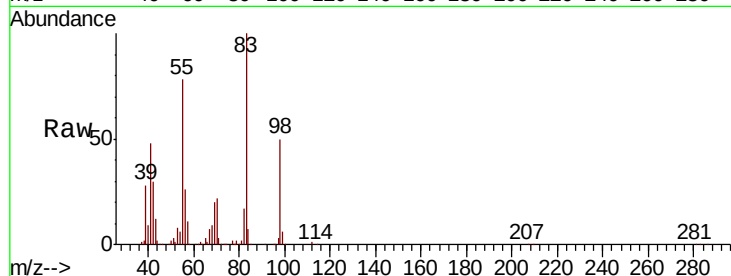
#39
Methylvlcyclohexane
Concen: 23.766 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064259.D
Acq: 18 Nov 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :
30525

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	61.7	92.5
98	50.1	38.6	58.0

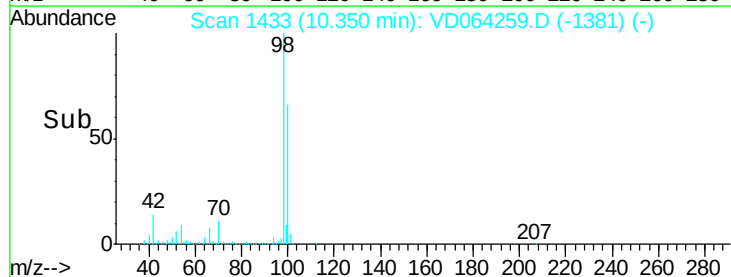
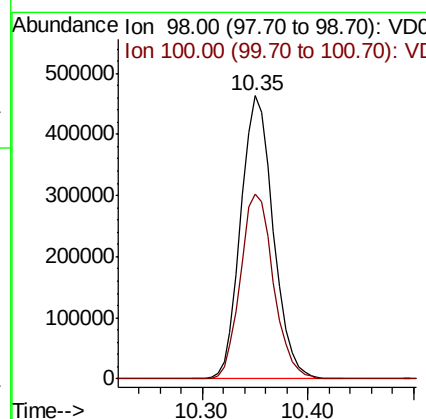
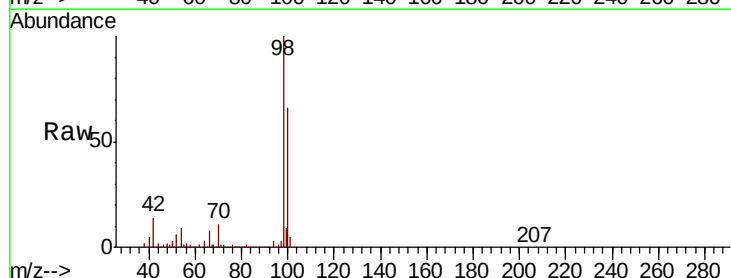
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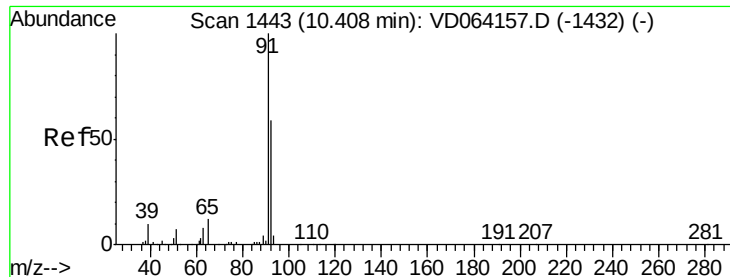
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#50
Toluene-d8
Concen: 46.014 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.01 min
Lab File: VD064259.D
Acq: 18 Nov 2019 12:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.6	78.8





#52

Toluene

Concen: 2435.193 ug/l m

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD064259.D

Acq: 18 Nov 2019 12:38

Instrument :

MSVOA_D

ClientSampled :

30525

Tot Ion: 92 Resp: 40028533

Ion Ratio Lower Upper

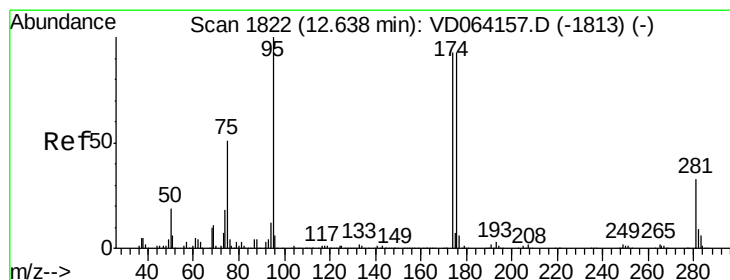
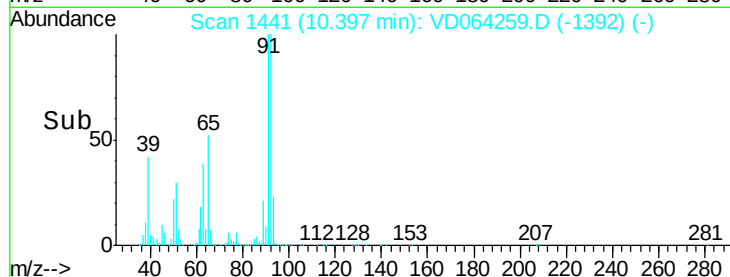
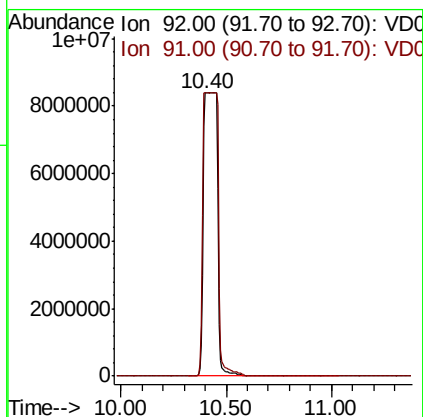
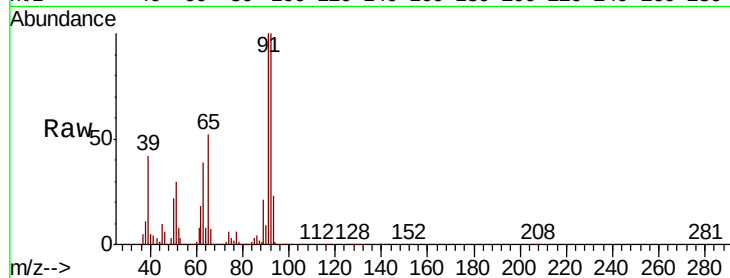
92 100

91 0.0 136.4 204.6#

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 38.367 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064259.D

Acq: 18 Nov 2019 12:38

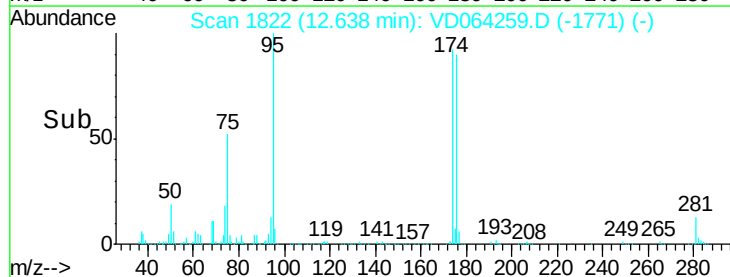
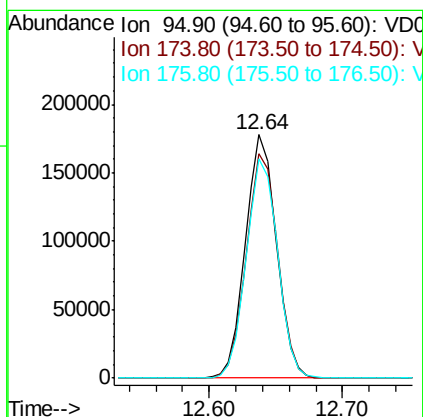
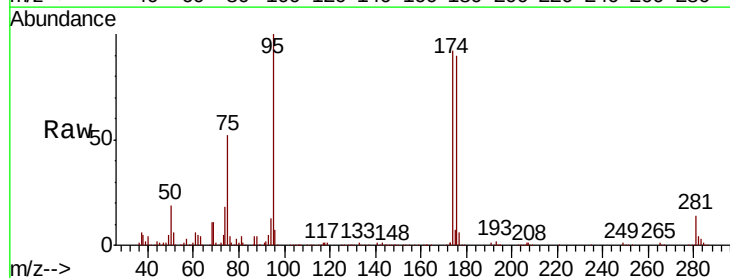
Tgt Ion: 95 Resp: 285138

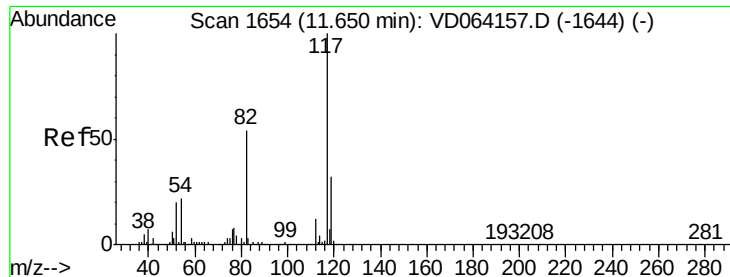
Ion Ratio Lower Upper

95 100

174 93.4 0.0 183.6

176 91.0 0.0 180.2





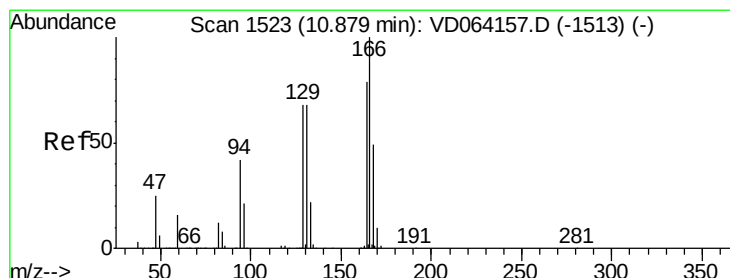
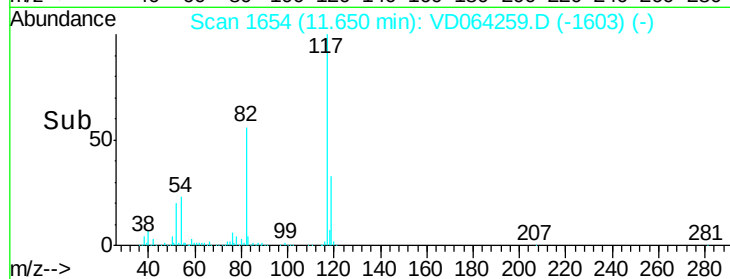
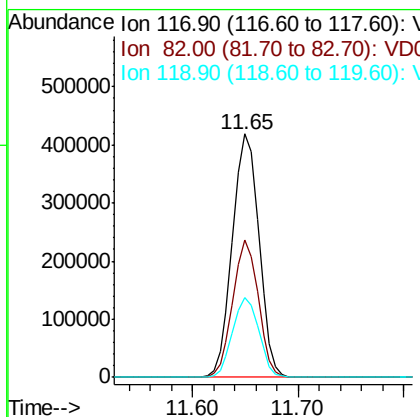
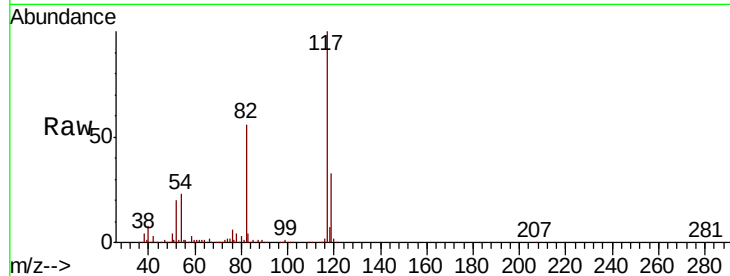
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064259.D
Acq: 18 Nov 2019 12:38

Instrument :
MSVOA_D
ClientSampled :
30525

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	42.8	64.2
119	32.7	25.6	38.4

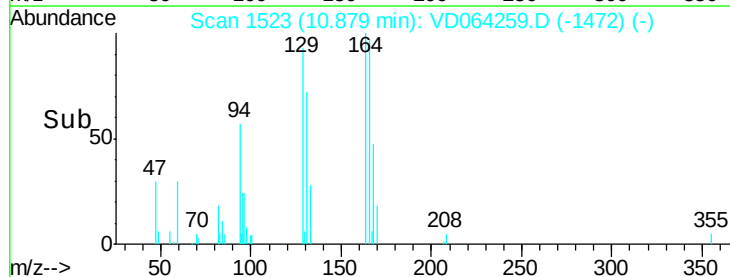
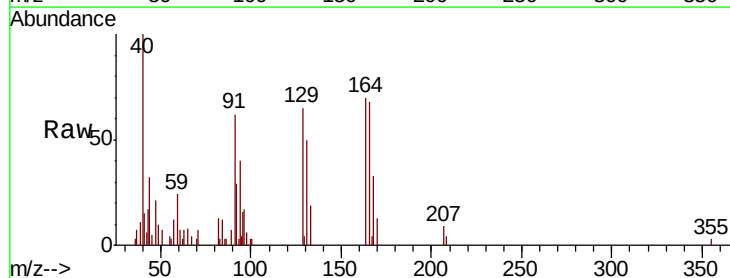
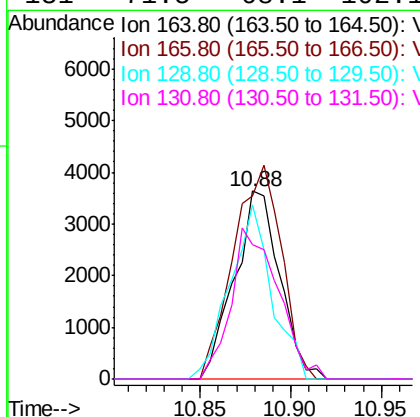
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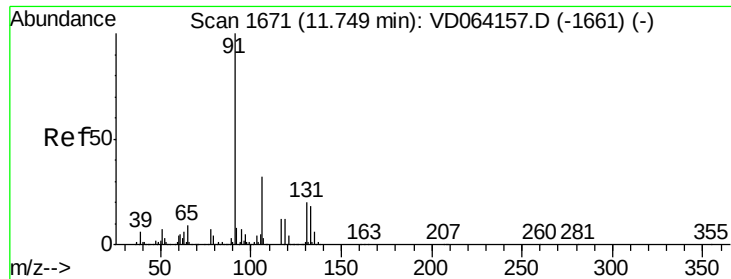
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#64
Tetrachloroethene
Concen: 1.123 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064259.D
Acq: 18 Nov 2019 12:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	97.2	100.8	151.2#
129	92.8	68.7	103.1
131	71.5	68.1	102.1





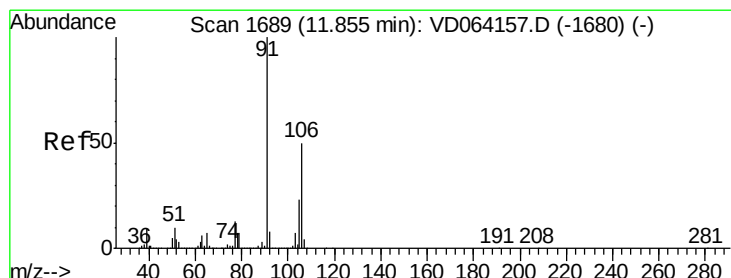
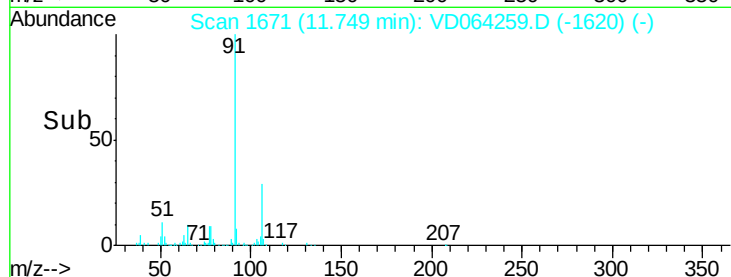
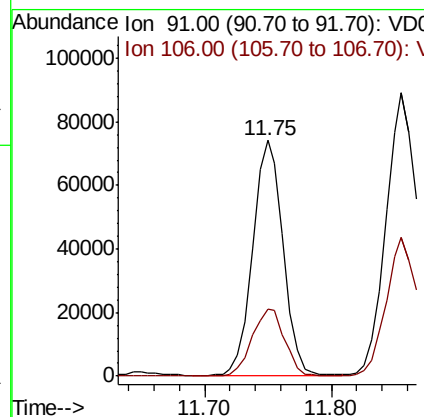
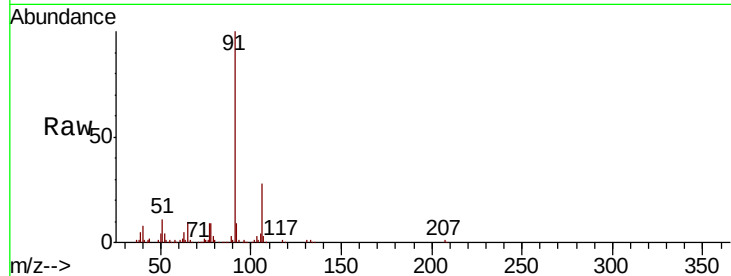
#67
Ethyl Benzene
Concen: 4.570 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064259.D
Acq: 18 Nov 2019 12:38

Instrument :
MSVOA_D
ClientSampled :
30525

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	28.5	25.5	38.3	

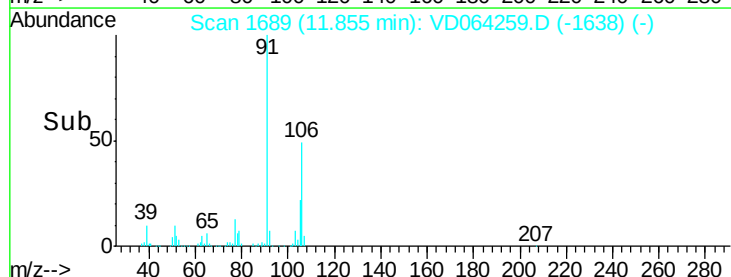
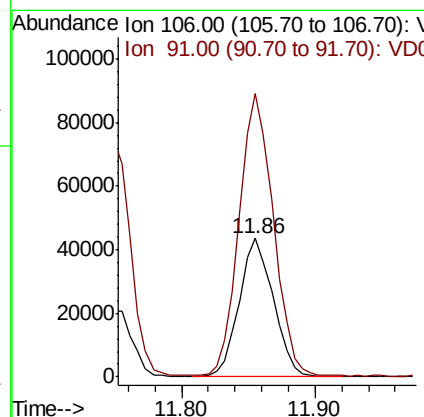
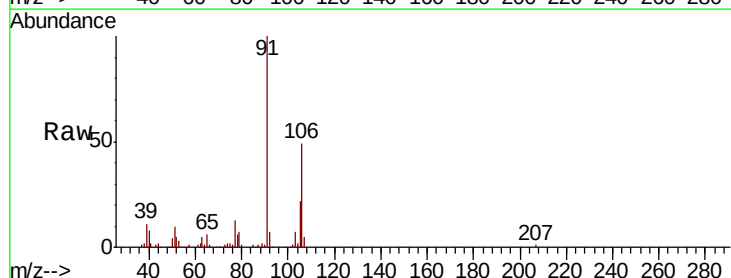
Manual Integrations
APPROVED

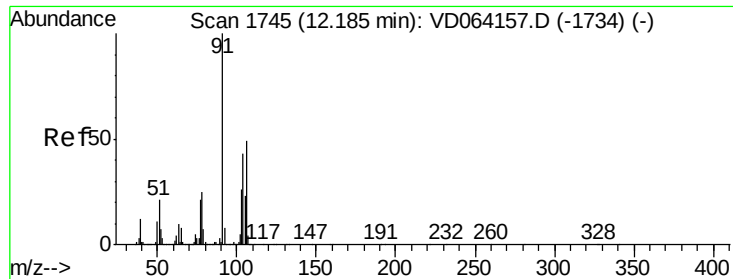
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#68
m/p-Xylenes
Concen: 7.531 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064259.D
Acq: 18 Nov 2019 12:38

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	203.6	160.3	240.5	





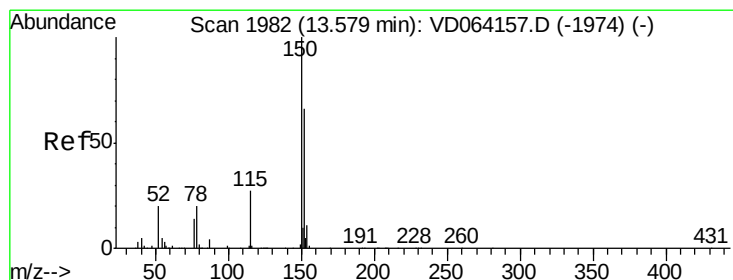
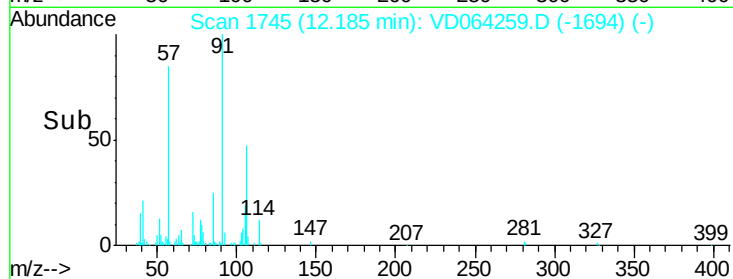
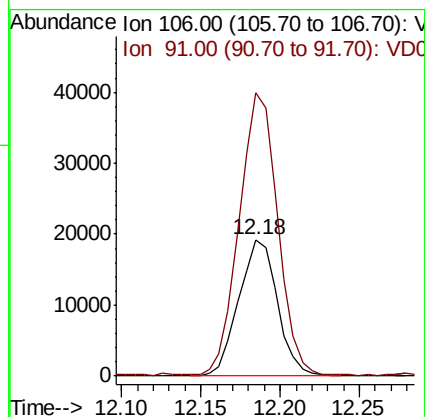
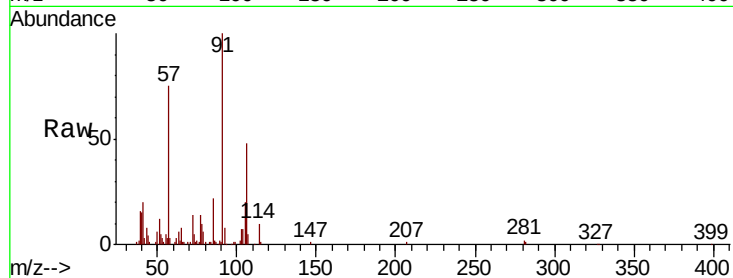
#69
o-Xylene
Concen: 3.392 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064259.D
Acq: 18 Nov 2019 12:38

Instrument :
MSVOA_D
ClientSampleID :
30525

Tot Ion:106 Resp: 32400
Ion Ratio Lower Upper
106 100
91 210.7 105.1 315.3

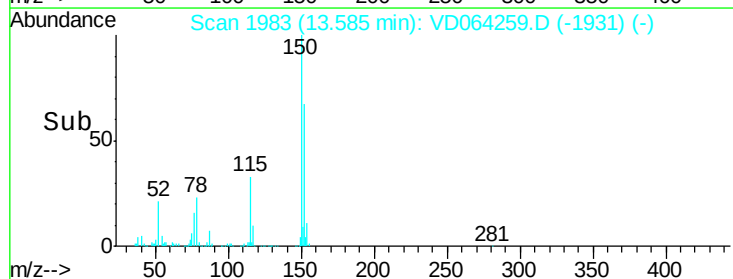
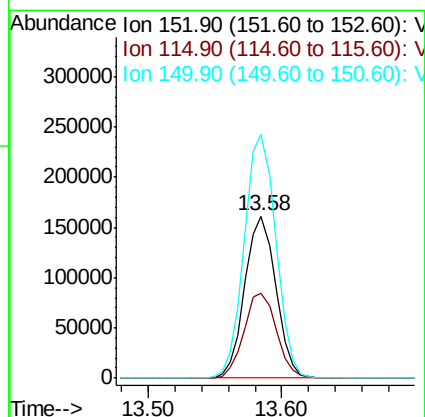
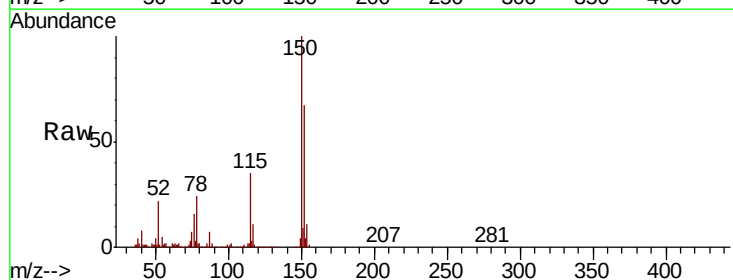
Manual Integrations
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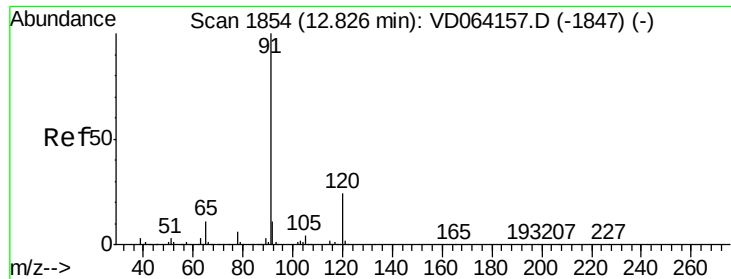
MMDadoda
11/20/2019 1:11:52 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064259.D
Acq: 18 Nov 2019 12:38

Tgt Ion:152 Resp: 258605
Ion Ratio Lower Upper
152 100
115 55.0 27.4 82.2
150 153.6 0.0 351.6





#78

n-propylbenzene

Concen: 1.309 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064259.D

Acq: 18 Nov 2019 12:38

Instrument :

MSVOA_D

ClientSampled :
30525

Tot Ion: 91 Resp: 28387

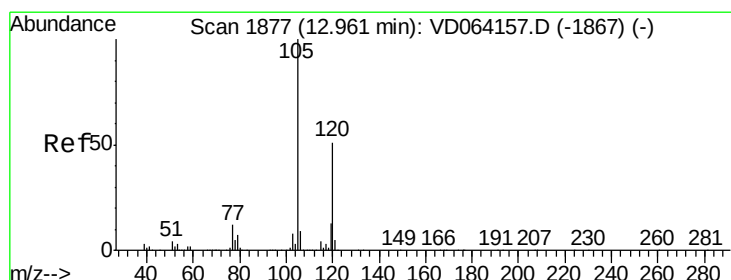
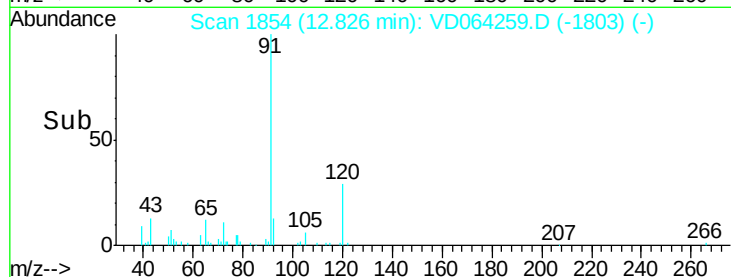
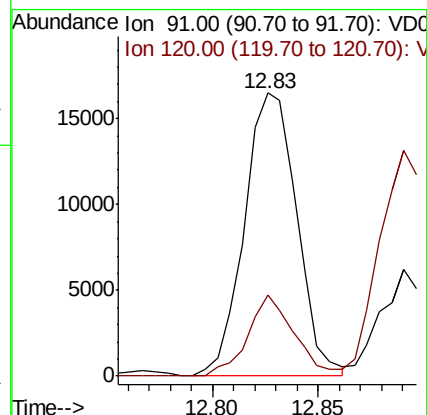
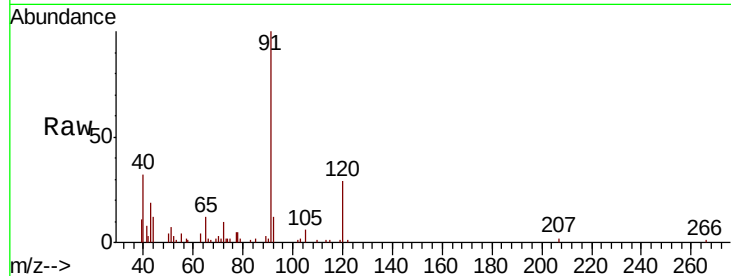
Ion Ratio Lower Upper

91 100

120 25.1 11.8 35.4

Manual Integrations
APPROVED

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11/20/2019 1:11:52 PM



#80

1,3,5-Trimethylbenzene

Concen: 2.225 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064259.D

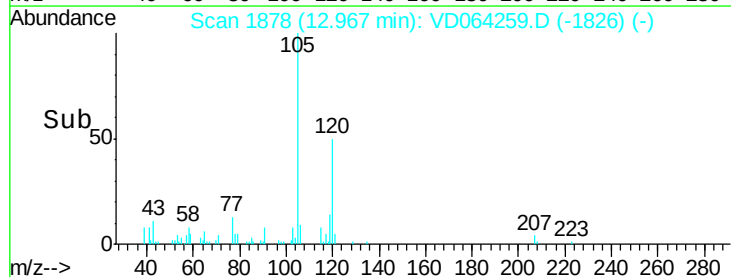
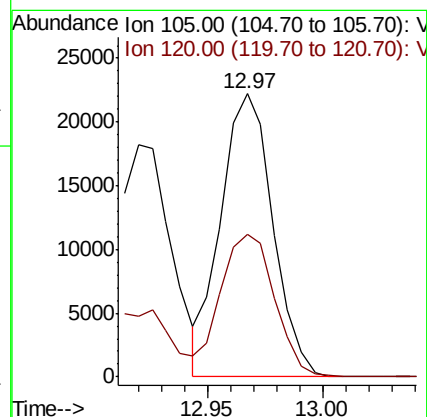
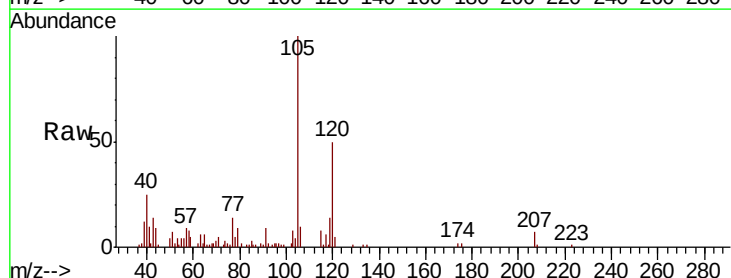
Acq: 18 Nov 2019 12:38

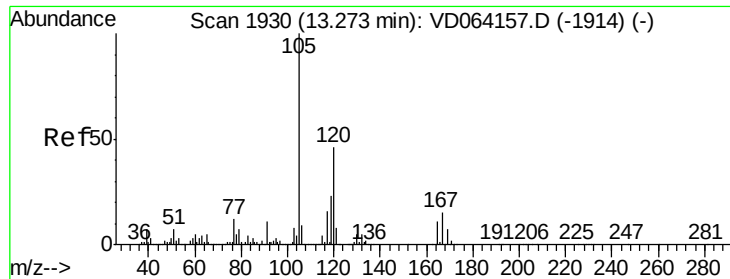
Tgt Ion: 105 Resp: 34706

Ion Ratio Lower Upper

105 100

120 52.5 25.4 76.4





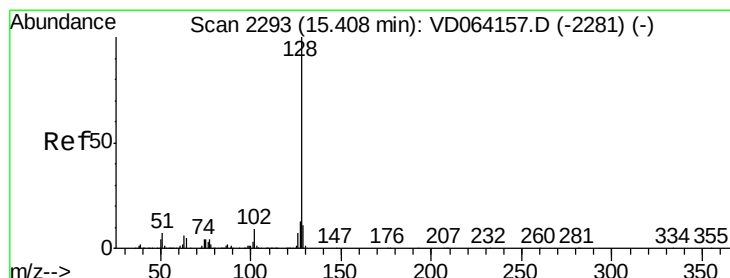
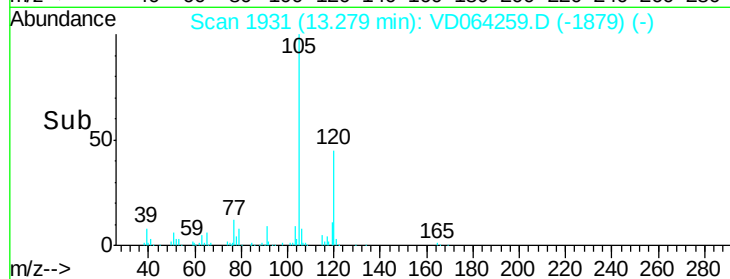
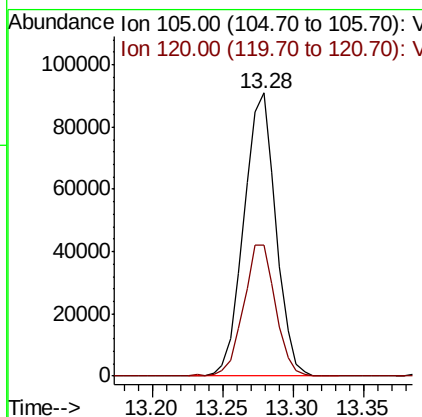
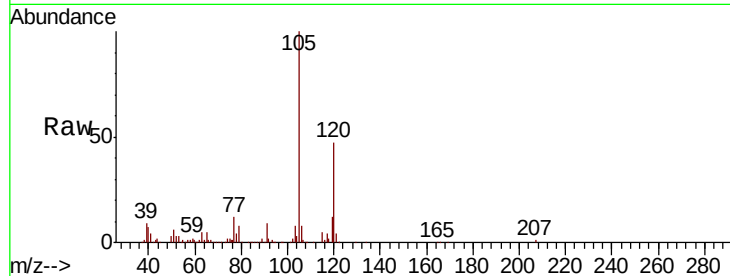
#84
 1,2,4-Trimethylbenzene
 Concen: 9.362 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064259.D
 Acq: 18 Nov 2019 12:38

Instrument :
 MSVOA_D
 ClientSampled :
 30525

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.3	69.8

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:11:52 PM



#95
 Naphthalene
 Concen: 3.616 ug/l
 RT: 15.42 min Scan# 2295
 Delta R.T. 0.01 min
 Lab File: VD064259.D
 Acq: 18 Nov 2019 12:38

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.8	8.6	13.0

