

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064260.D
 Acq On : 18 Nov 2019 13:07
 Operator : VA/SY
 Sample : K5818-03
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 40180

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:11:58 PM

Quant Time: Nov 19 04:57:41 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	507009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	748697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	424274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	100110	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	268851	64.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.94%	
35) Dibromofluoromethane	7.92	113	249111	57.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.92%	
50) Toluene-d8	10.34	98	713014	43.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.96%	
62) 4-Bromofluorobenzene	12.64	95	144515	25.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	51.48%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.26	59	61386	210.771	ug/l	98
16) Acetone	4.17	43	176108	178.276	ug/l	98
25) 2-Butanone	7.23	43	33953	26.604	ug/l	94
30) Chloroform	7.71	83	15775	1.900	ug/l	92
31) Cyclohexane	7.98	56	78404	9.580	ug/l #	96
39) Methylcyclohexane	9.36	83	176072	20.138	ug/l	96
40) Benzene	8.36	78	64930	3.438	ug/l	91
51) 4-Methyl-2-Pentanone	10.24	43	172100	59.794	ug/l	99
52) Toluene	10.41	92	953676	76.799	ug/l	99
67) Ethyl Benzene	11.75	91	337458	21.624	ug/l	98
68) m/p-Xylenes	11.86	106	401967	67.199	ug/l	98
69) o-Xylene	12.18	106	161987	29.199	ug/l	97
73) Isopropylbenzene	12.48	105	83765	11.400	ug/l	98
78) n-propylbenzene	12.83	91	202927	24.172	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	212788	35.242	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	664733	111.514	ug/l	99
85) sec-Butylbenzene	13.41	105	91921	12.855	ug/l	84
86) p-Isopropyltoluene	13.53	119	133093	19.578	ug/l	99
89) n-Butylbenzene	13.85	91	86890m	14.147	ug/l	
95) Naphthalene	15.41	128	20946	5.906	ug/l	96

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

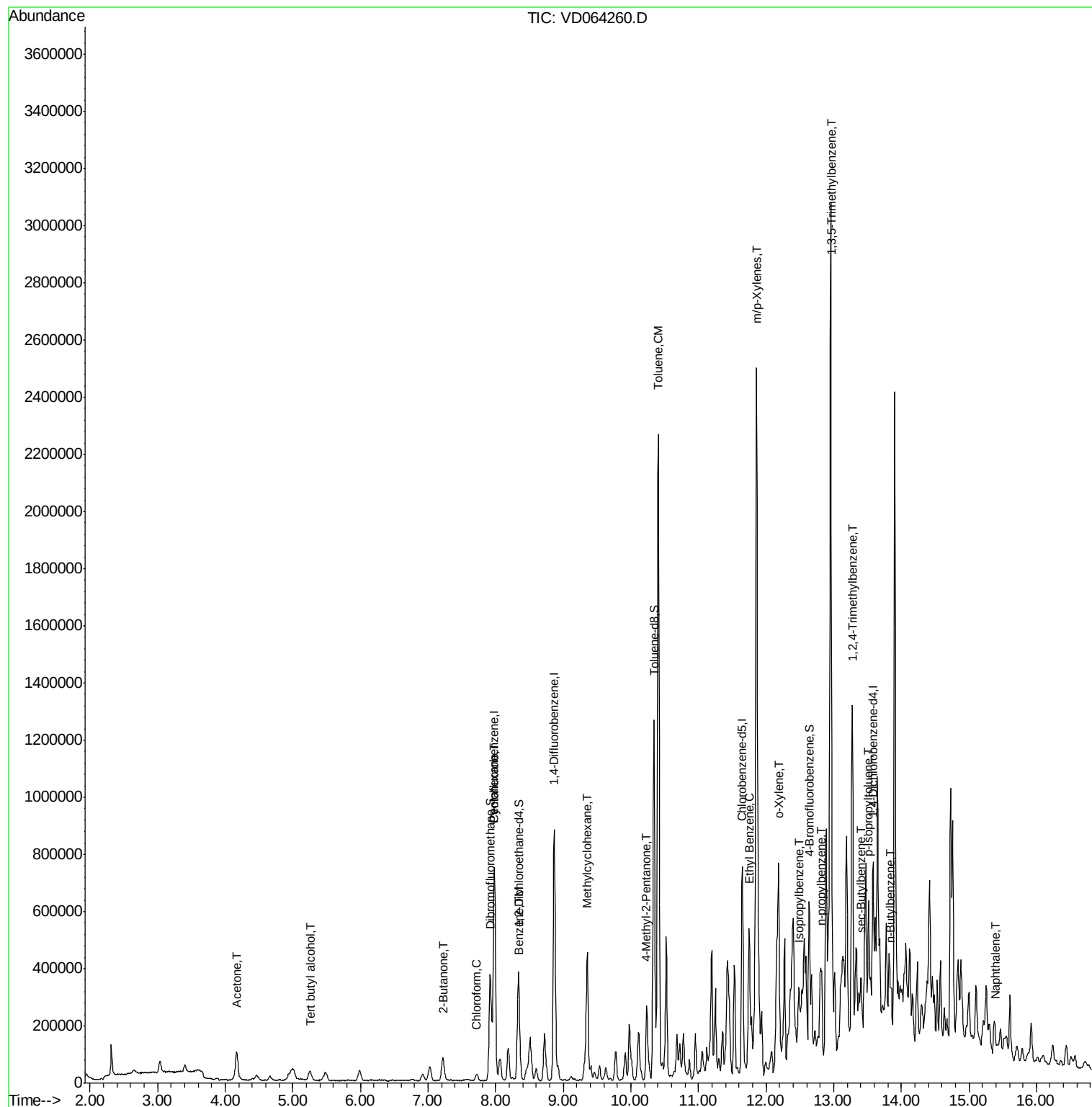
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111819\
Data File : VD064260.D
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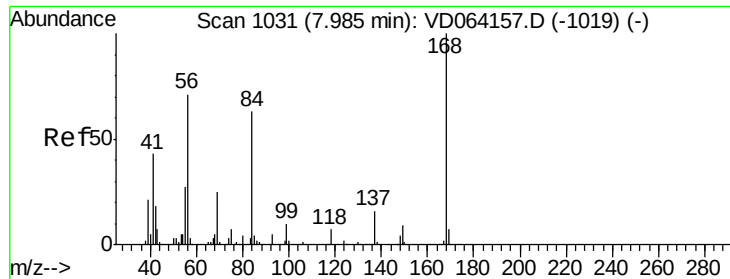
Instrument :
MSVOA_D
ClientSampleId :
40180

Manual Integrations
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Quant Time: Nov 19 04:57:41 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: VD064260.D

Acq: 18 Nov 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

40180

Tot Ion:168 Resp: 507009

Ion Ratio Lower Upper

168 100

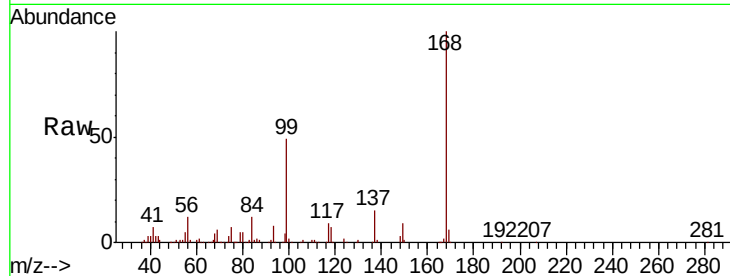
99 48.9 41.6 62.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

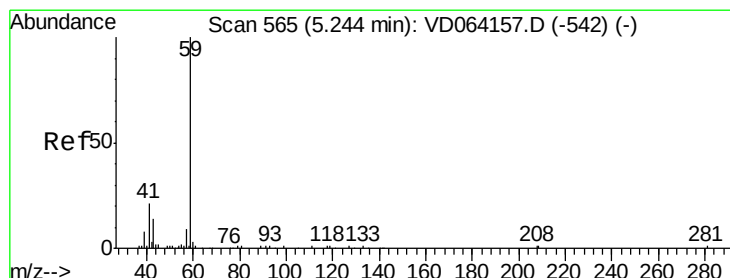
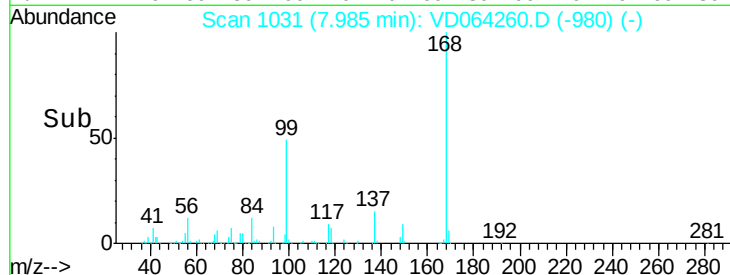
50000

0

7.98

7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 210.771 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD064260.D

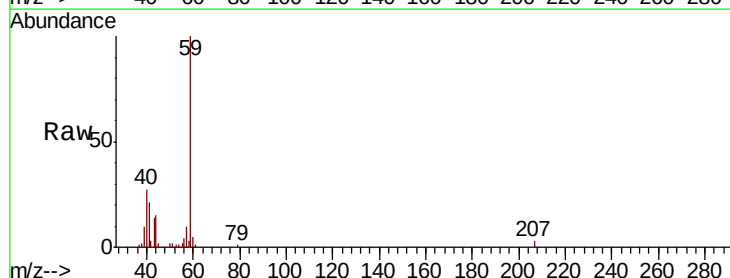
Acq: 18 Nov 2019 13:07

Tgt Ion: 59 Resp: 61386

Ion Ratio Lower Upper

59 100

57 12.4 9.4 14.2



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

20000

15000

10000

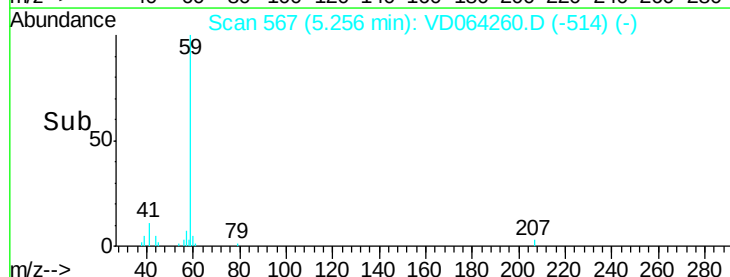
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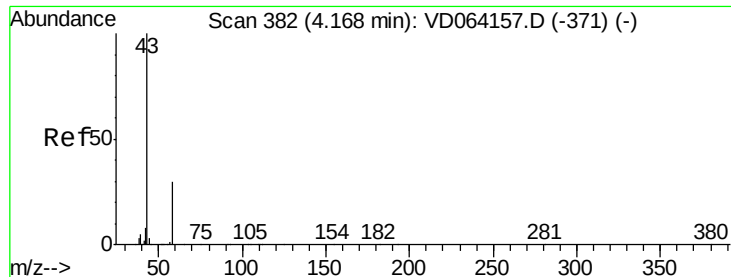
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5.26

5.10 5.20 5.30 5.40

Time-->





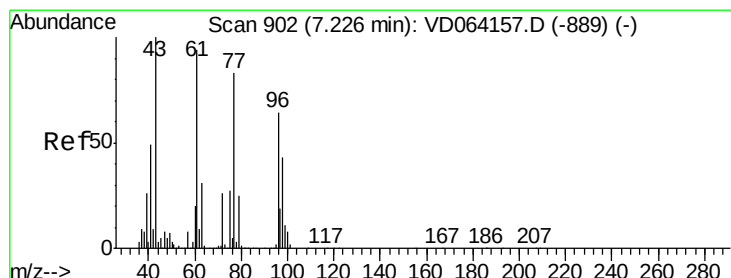
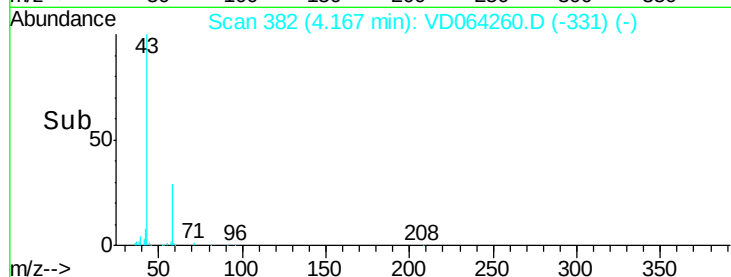
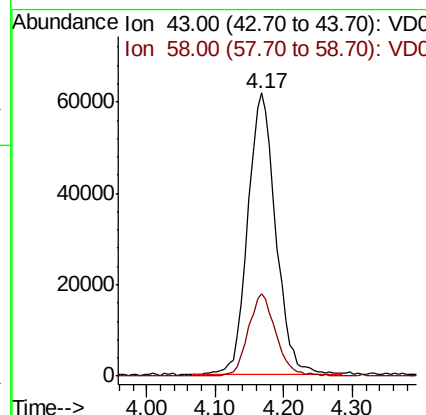
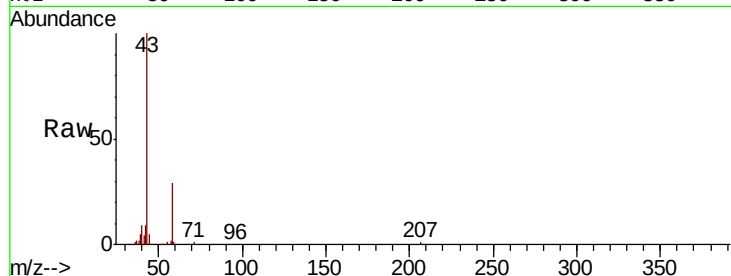
#16
Acetone
Concen: 178.276 ug/l
RT: 4.17 min Scan# 382
Delta R.T. -0.00 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
40180

Tot Ion	43	Resp	176108
Ion Ratio	100	Lower	Upper
43	100	24.1	36.1
58	29.1		

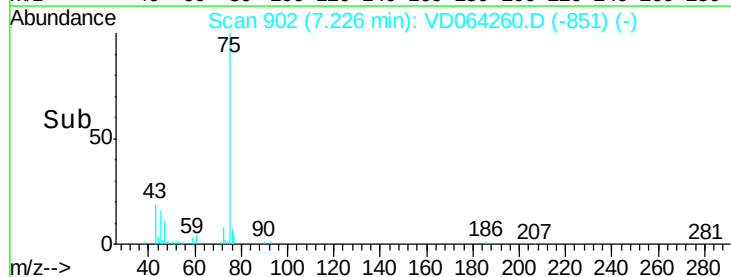
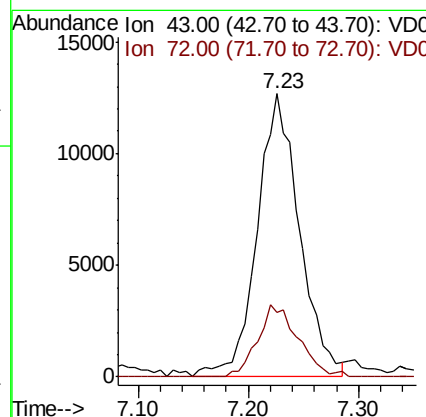
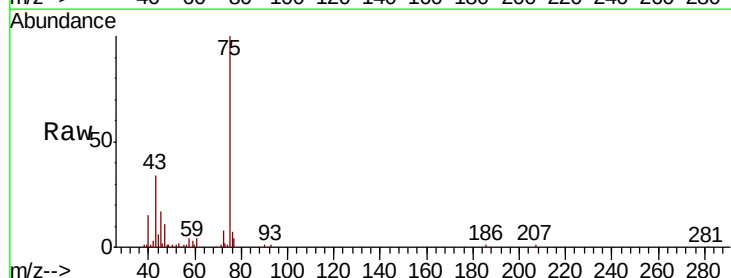
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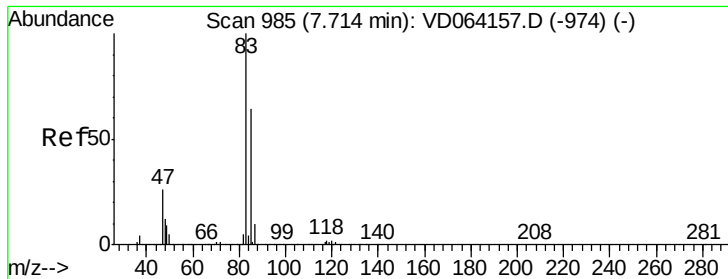
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#25
2-Butanone
Concen: 26.604 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Tgt Ion	43	Resp	33953
Ion Ratio	100	Lower	Upper
43	100	20.6	30.8
72	22.7		





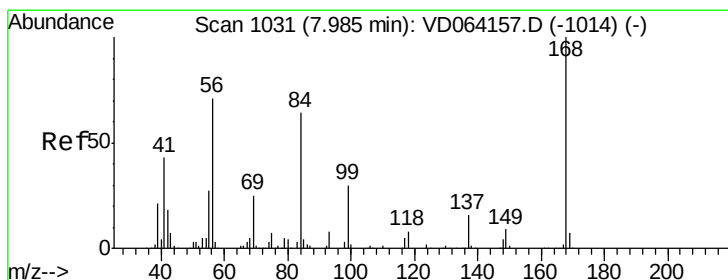
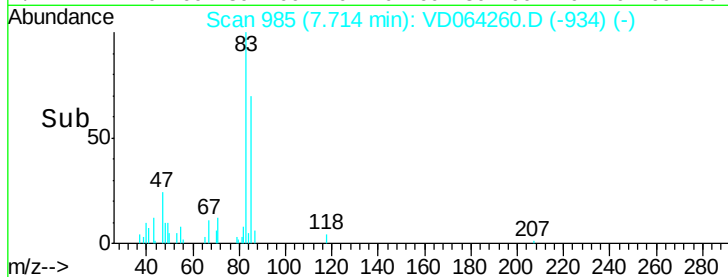
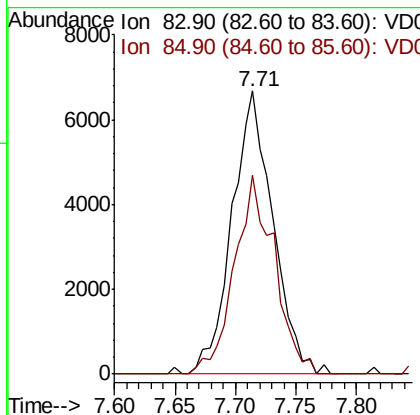
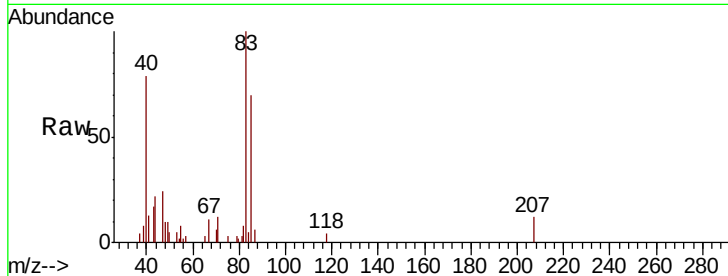
#30
Chloroform
Concen: 1.900 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Instrument :
MSVOA_D
ClientSampled :
40180

Tot Ion: 83 Resp: 15775
Ion Ratio Lower Upper
83 100
85 70.1 51.4 77.0

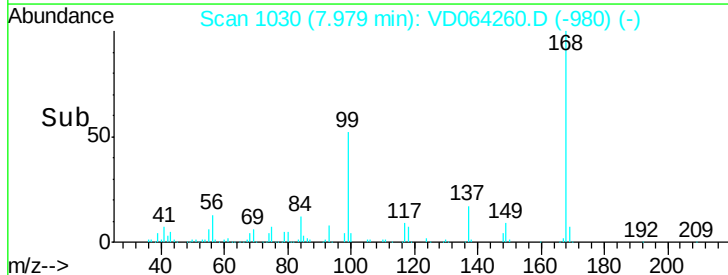
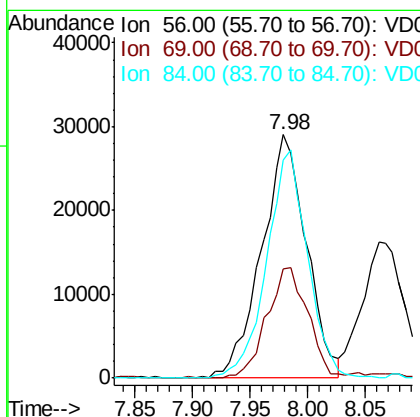
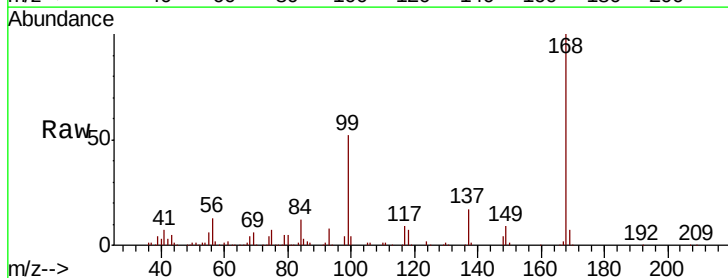
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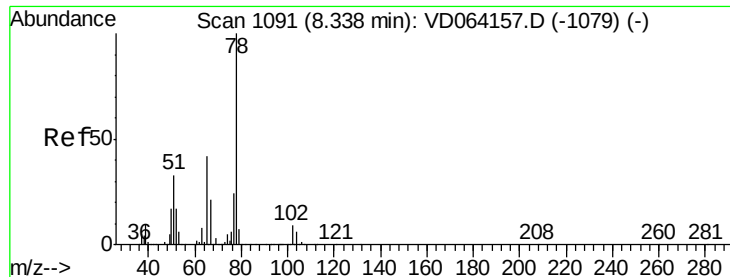
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#31
Cyclohexane
Concen: 9.580 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Tgt Ion: 56 Resp: 78404
Ion Ratio Lower Upper
56 100
69 44.2 28.2 42.4#
84 89.5 71.8 107.6





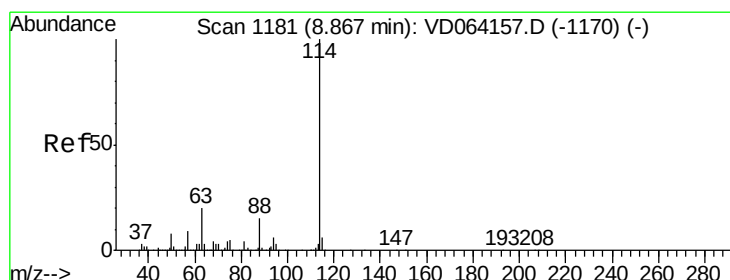
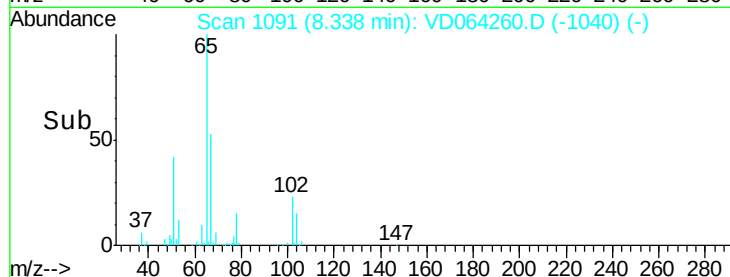
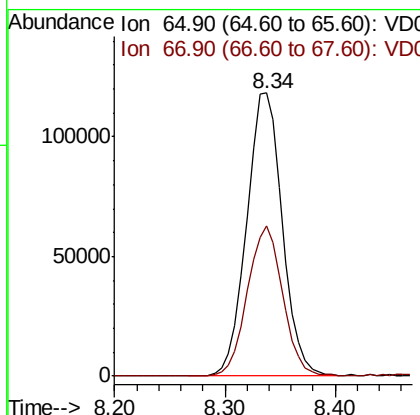
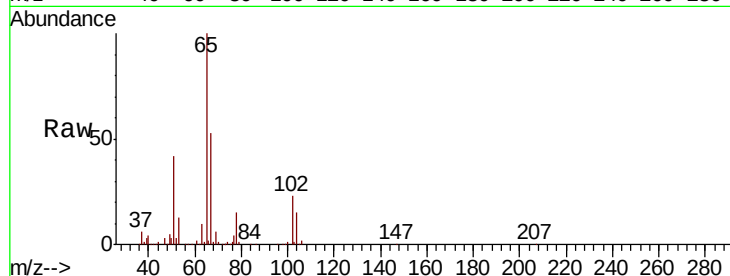
#33
 1,2-Dichloroethane-d4
 Concen: 64.475 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064260.D
 Acq: 18 Nov 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :
 40180

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	104.4	

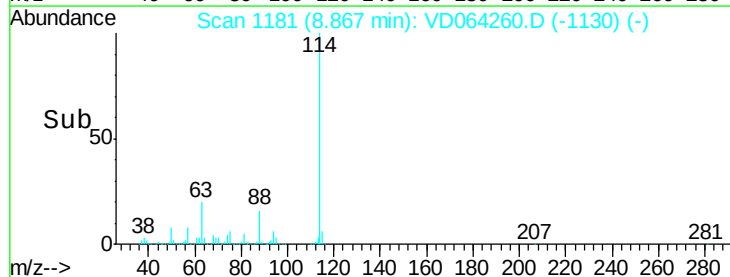
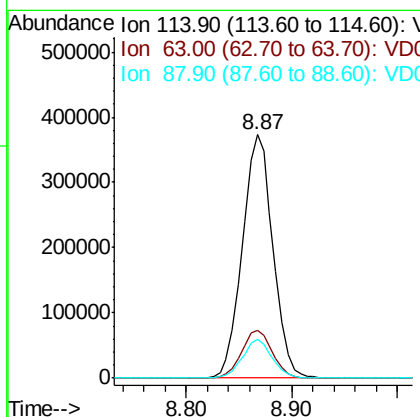
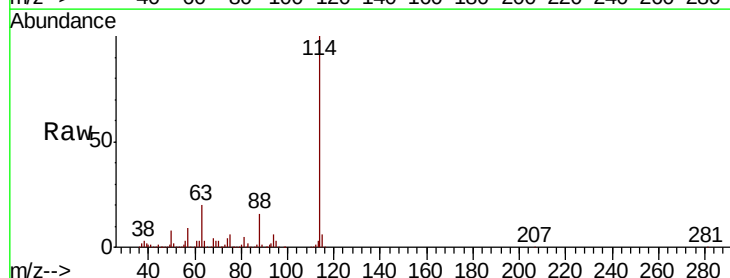
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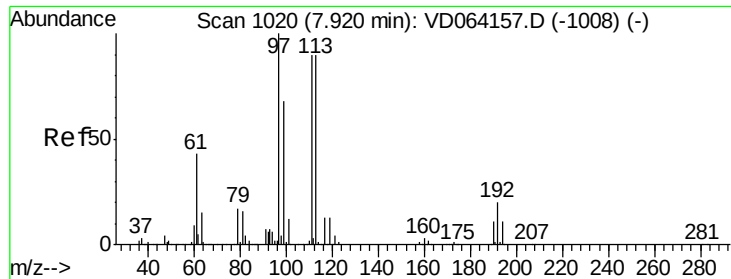
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064260.D
 Acq: 18 Nov 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	40.0	
88	15.7	0.0	30.2	





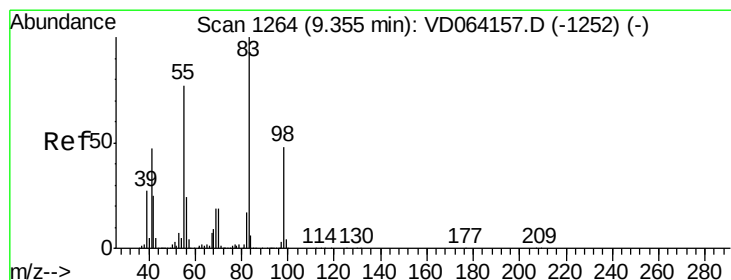
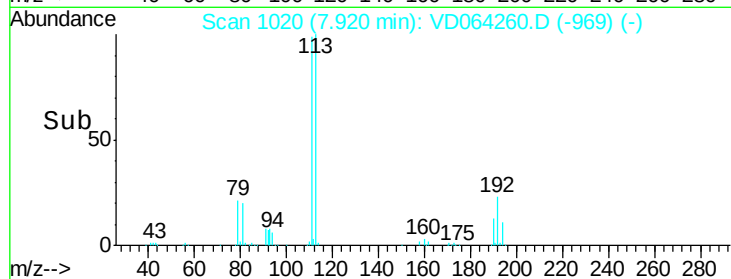
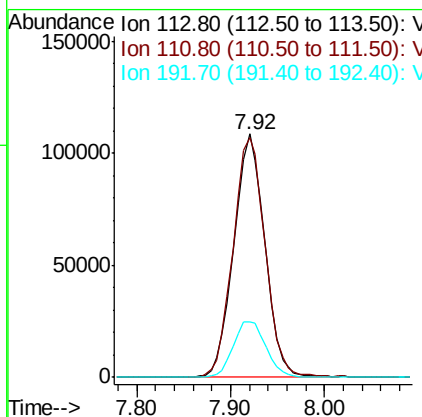
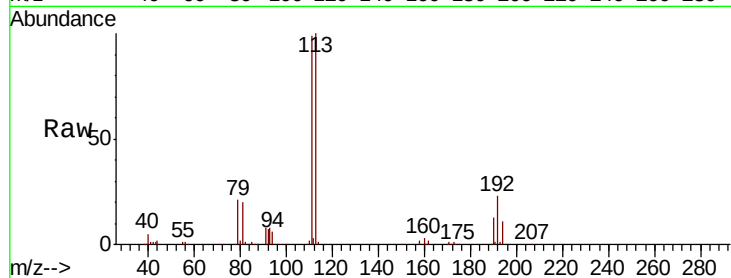
#35
Dibromofluoromethane
Concen: 57.965 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Instrument :
MSVOA_D
ClientSampled :
40180

Tot Ion	Ratio	Resp	Lower	Upper
113	100	249111		
111	101.8	81.5	122.3	
192	24.2	18.8	28.2	

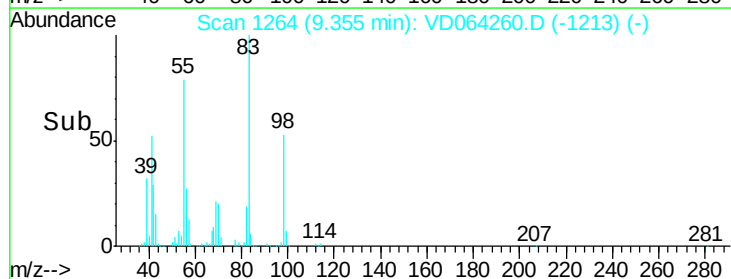
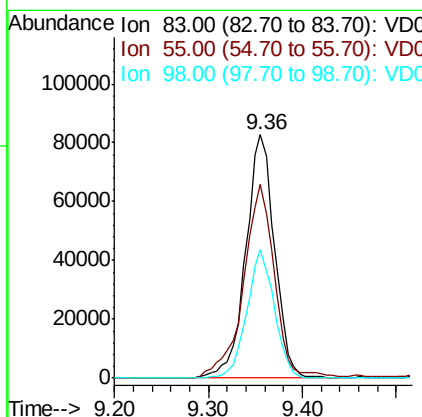
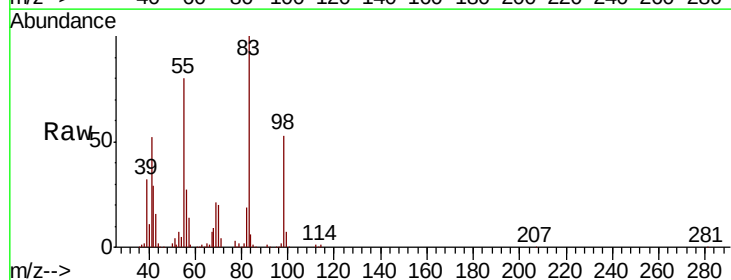
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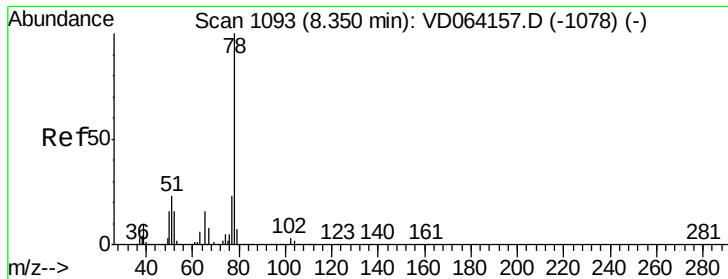
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#39
Methylcyclohexane
Concen: 20.138 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	176072		
55	79.3	61.7	92.5	
98	52.8	38.6	58.0	





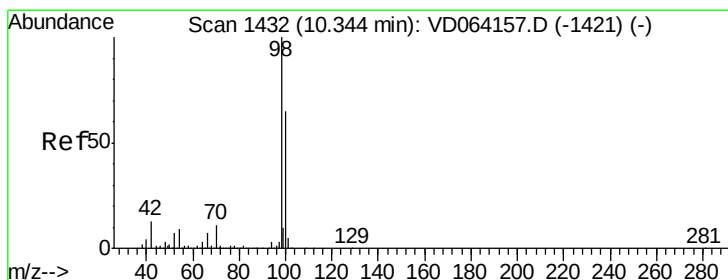
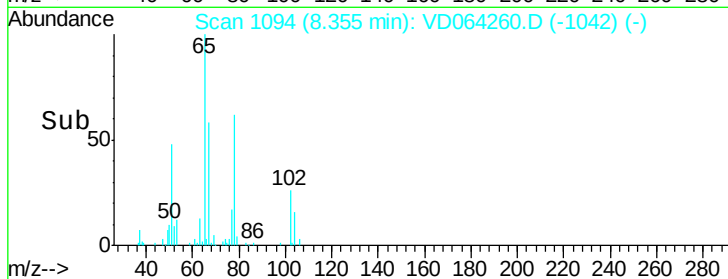
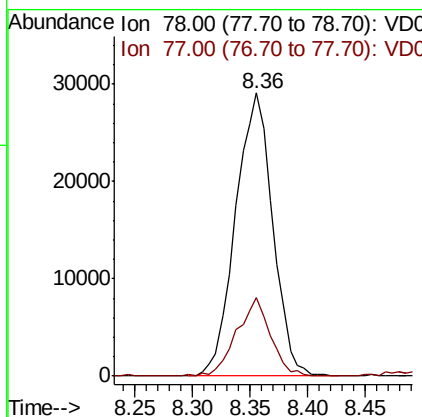
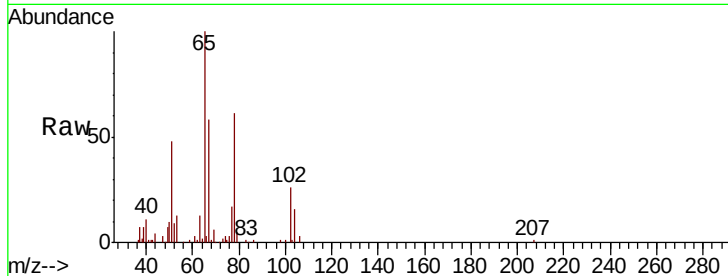
#40
Benzene
Concen: 3.438 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
40180

Tot Ion: 78 Resp: 64930
Ion Ratio Lower Upper
78 100
77 27.7 18.6 28.0

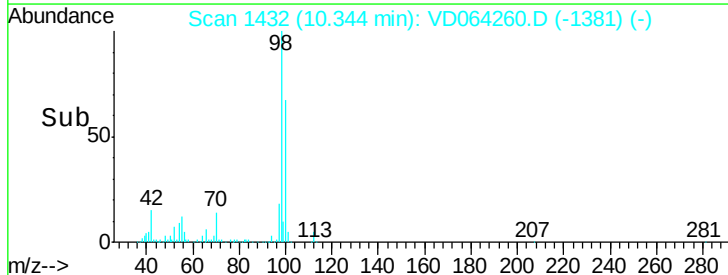
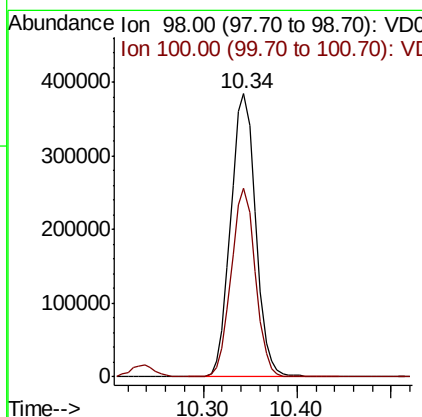
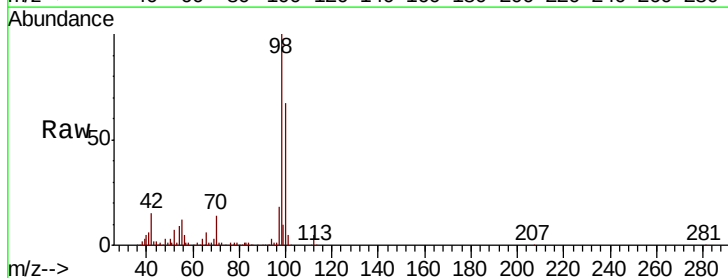
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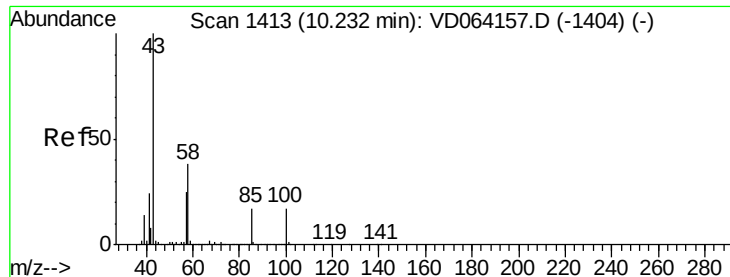
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#50
Toluene-d8
Concen: 43.979 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Tgt Ion: 98 Resp: 713014
Ion Ratio Lower Upper
98 100
100 63.9 52.6 78.8





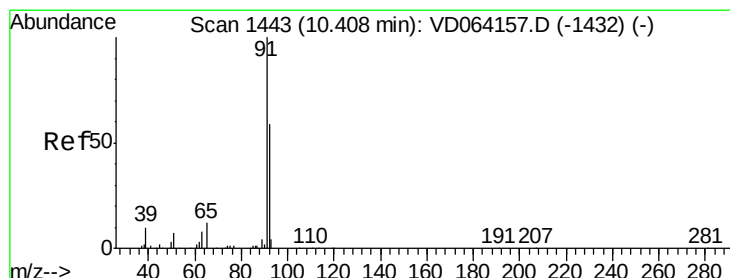
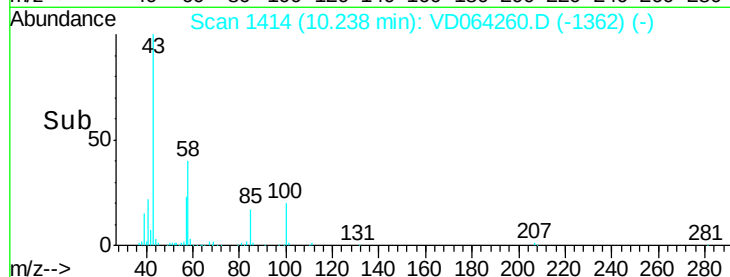
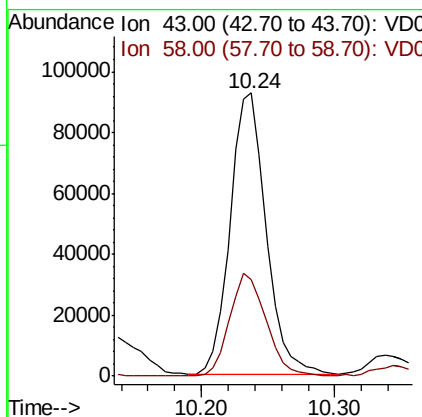
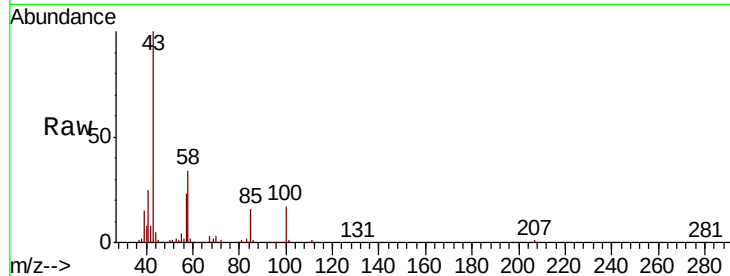
#51
4-Methyl-2-Pentanone
Concen: 59.794 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
40180

Tot Ion: 43 Resp: 172100
Ion Ratio Lower Upper
43 100
58 37.4 30.2 45.4

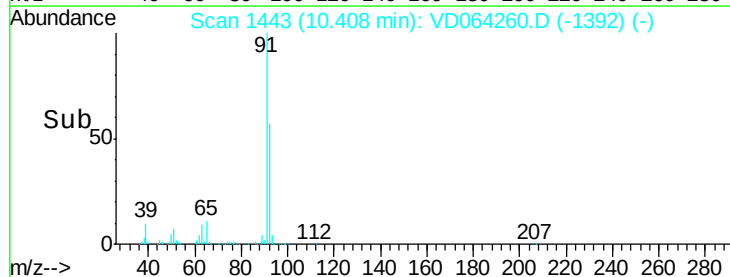
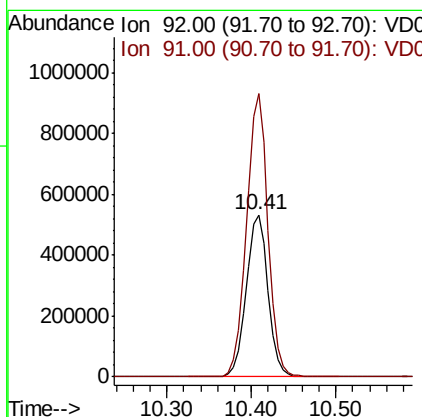
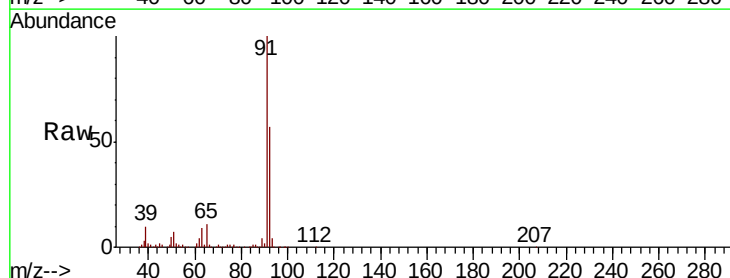
Manual Integrations
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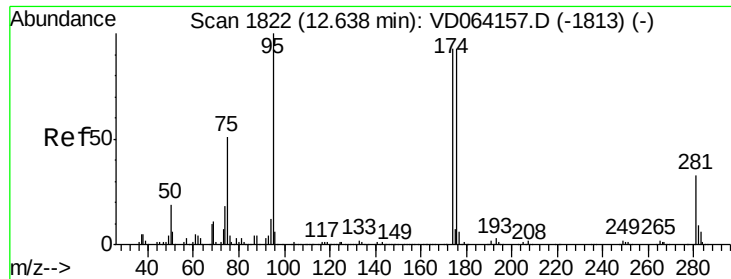
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#52
Toluene
Concen: 76.799 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Tgt Ion: 92 Resp: 953676
Ion Ratio Lower Upper
92 100
91 171.5 136.4 204.6





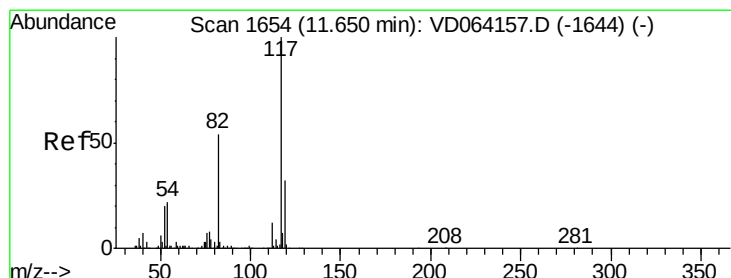
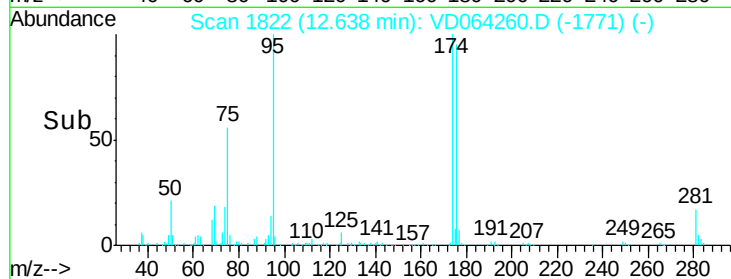
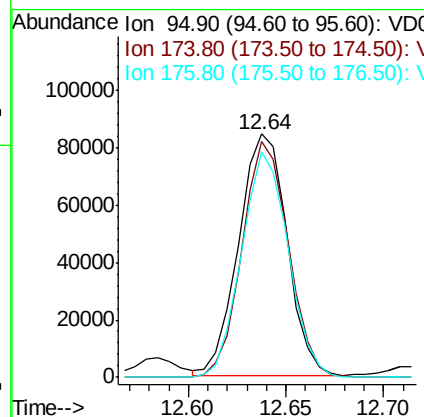
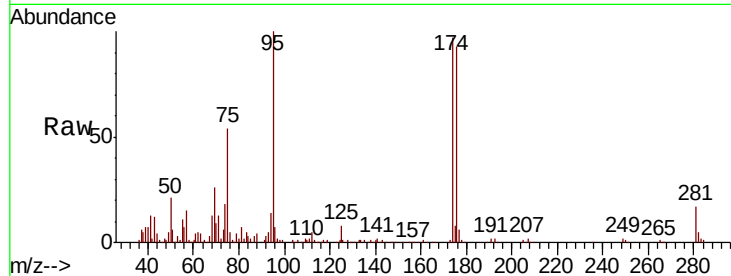
#62
4-Bromofluorobenzene
Concen: 25.740 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
40180

Tot Ion	Ratio	Resp	Lower	Upper
95	100	144515		
174	93.6	0.0	183.6	
176	90.3	0.0	180.2	

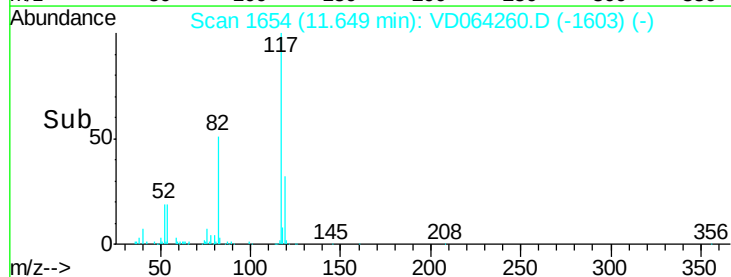
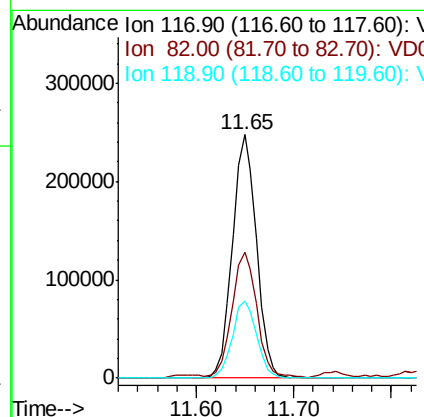
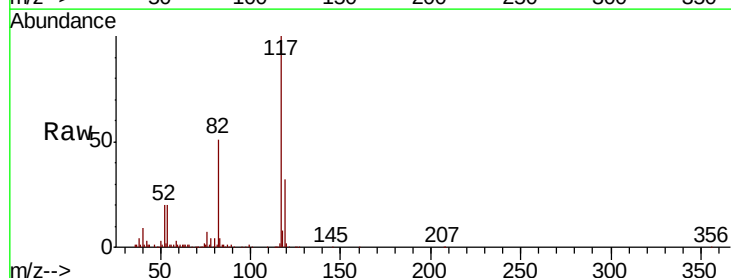
Manual Integrations
APPROVED

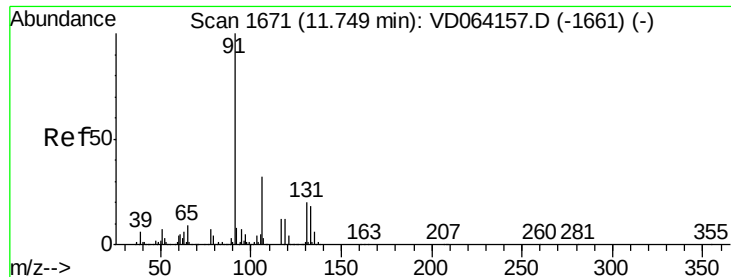
MMDadoda
11/20/2019 1:11:58 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	424274		
82	50.4	42.8	64.2	
119	32.0	25.6	38.4	





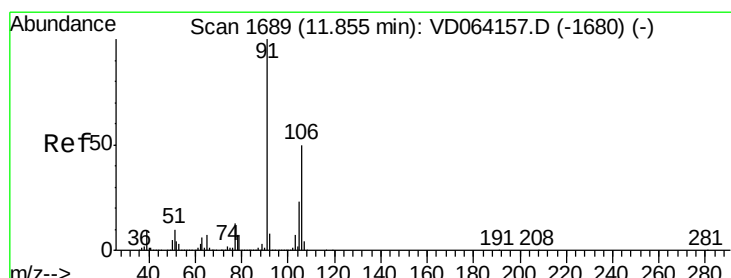
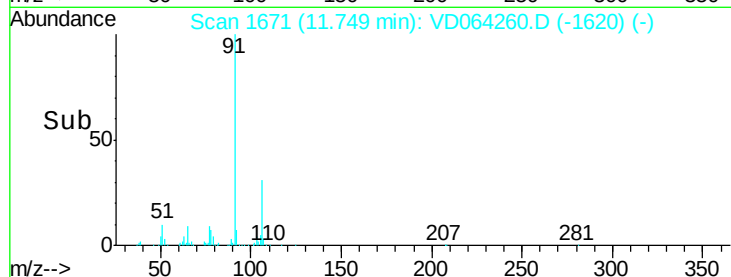
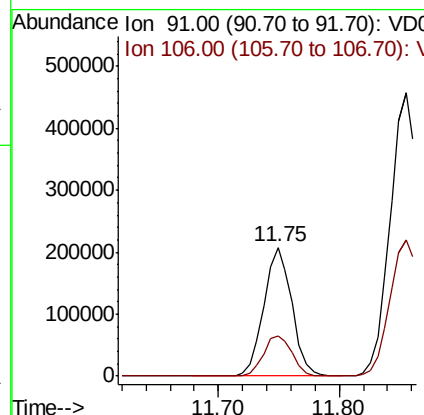
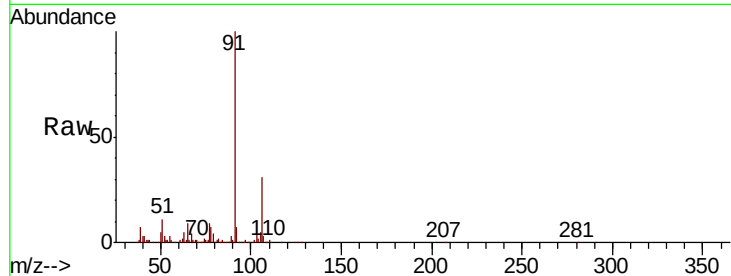
#67
Ethyl Benzene
Concen: 21.624 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
40180

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.9	25.5	38.3	

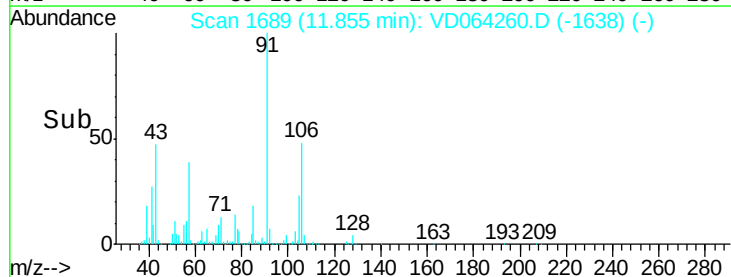
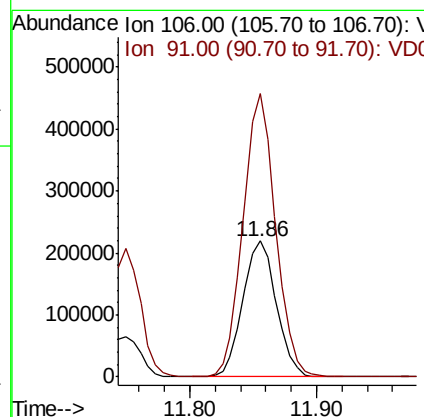
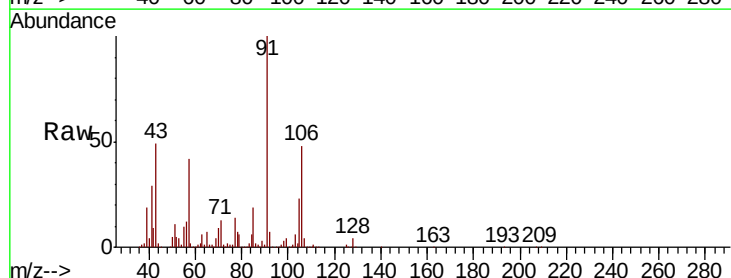
Manual Integrations
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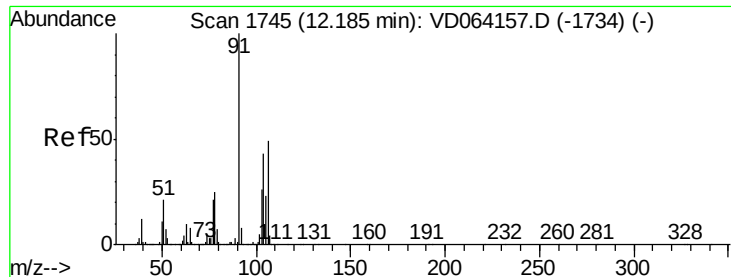
MMDadoda
11/20/2019 1:11:58 PM



#68
m/p-Xylenes
Concen: 67.199 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	202.9	160.3	240.5	





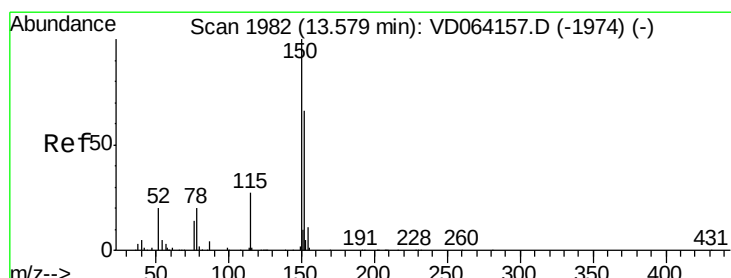
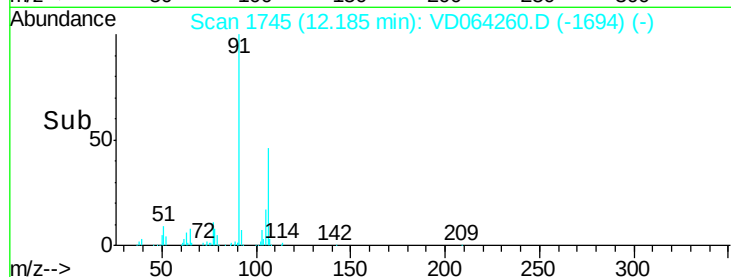
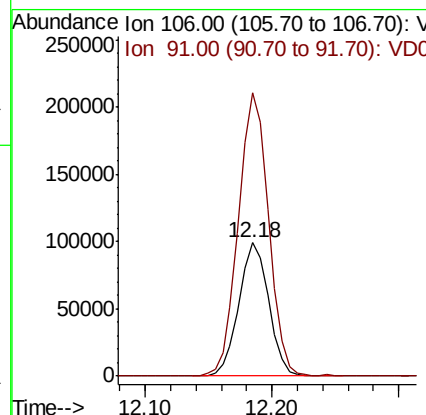
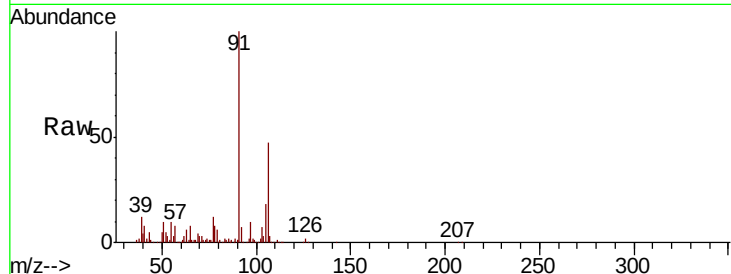
#69
o-Xylene
Concen: 29.199 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
40180

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.2	105.1	315.3

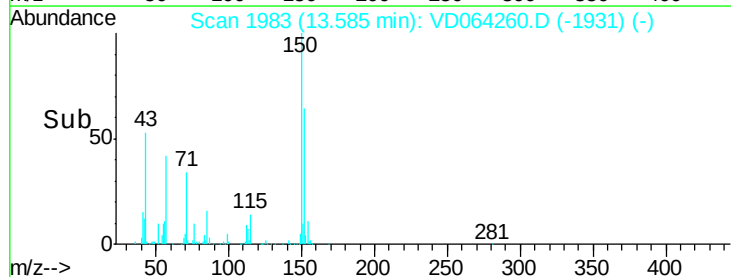
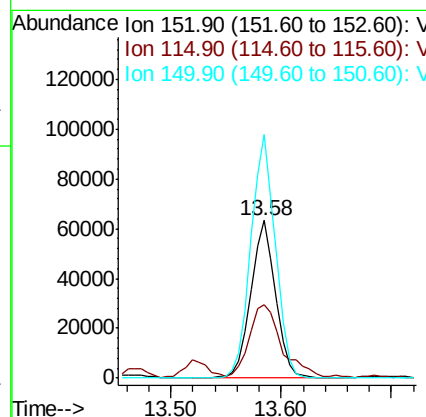
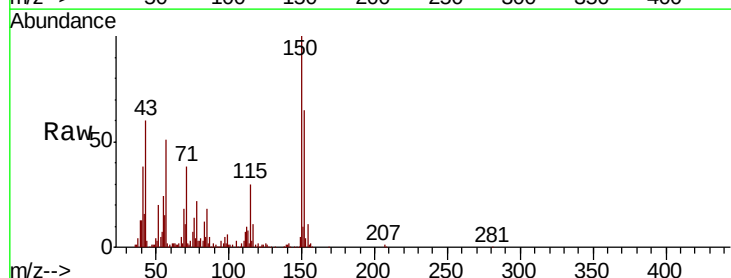
Manual Integrations
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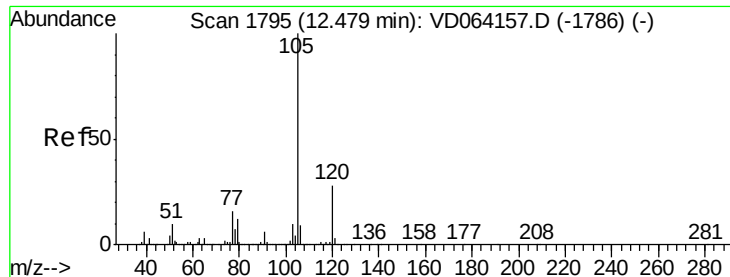
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	27.4	82.2
150	152.1	0.0	351.6





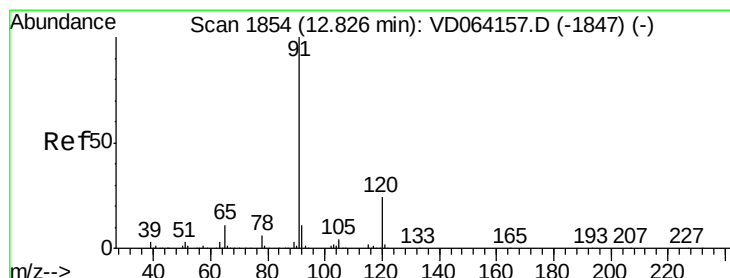
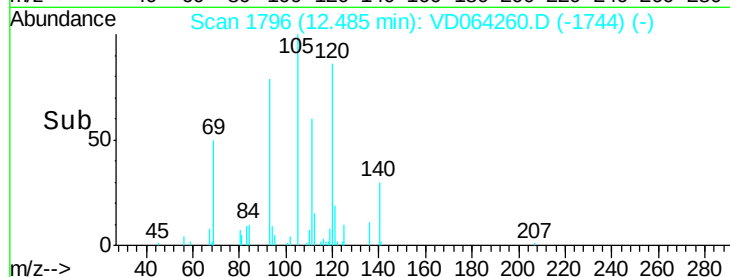
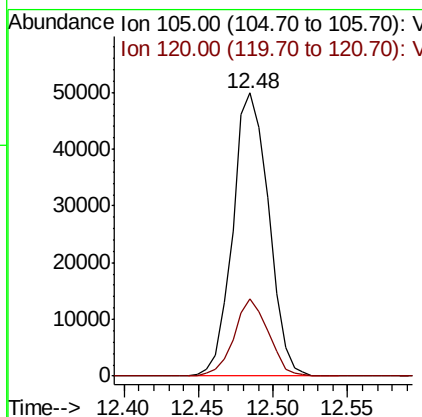
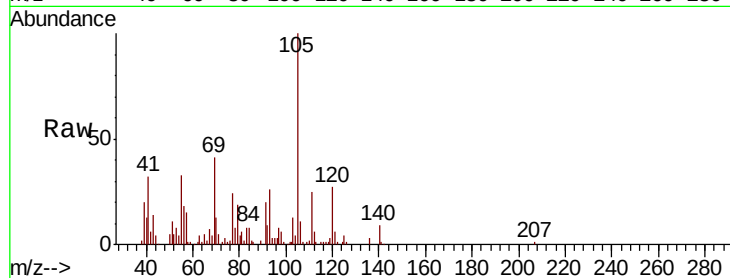
#73
Isopropylbenzene
Concen: 11.400 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Instrument :
MSVOA_D
ClientSampled :
40180

Tot Ion: 105 Resp: 83765
Ion Ratio Lower Upper
105 100
120 25.9 13.6 40.8

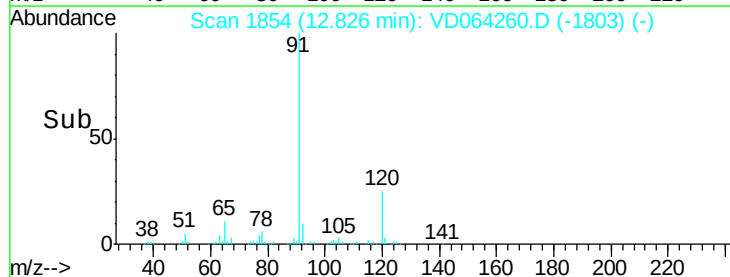
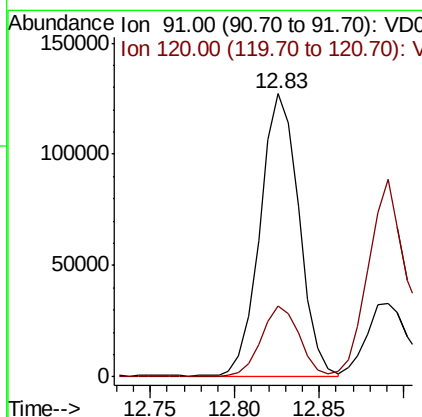
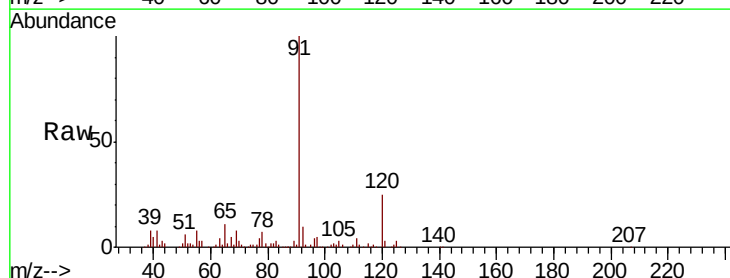
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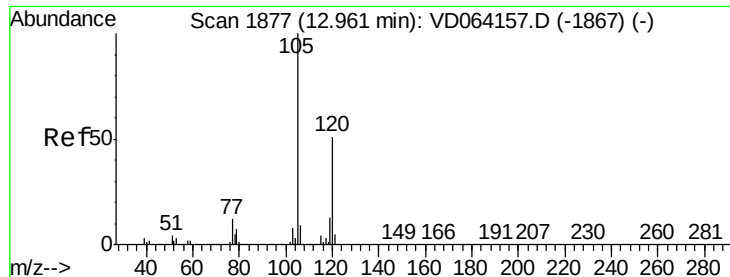
MMDadoda
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#78
n-propylbenzene
Concen: 24.172 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Tgt Ion: 91 Resp: 202927
Ion Ratio Lower Upper
91 100
120 24.7 11.8 35.4





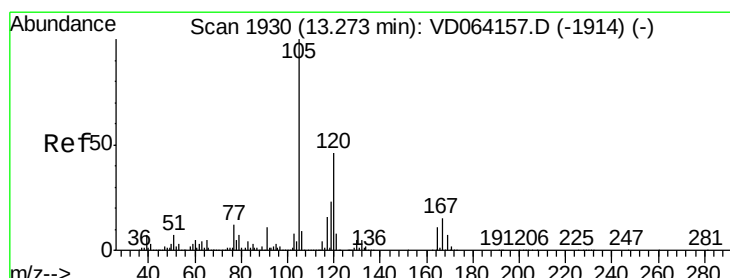
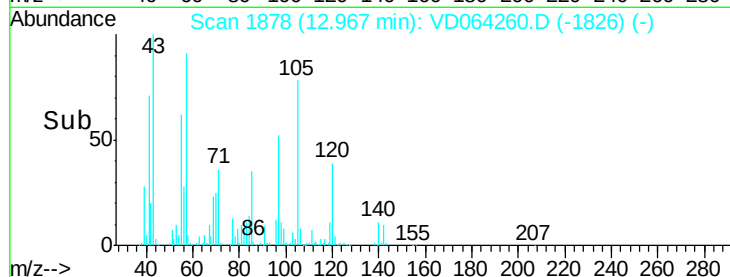
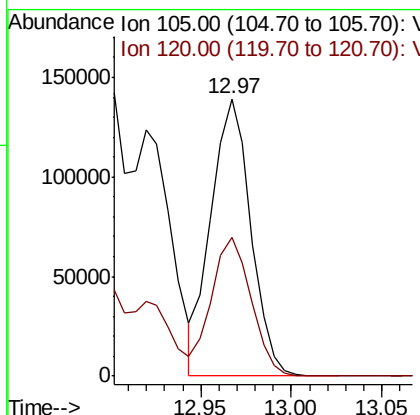
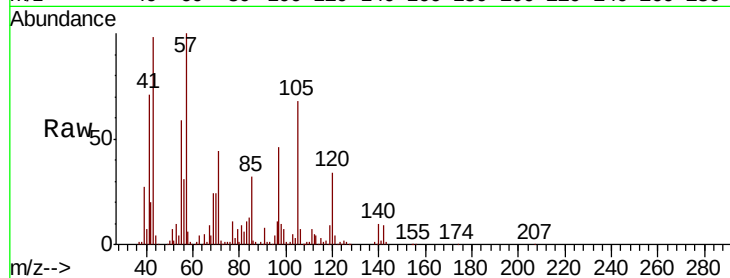
#80
 1,3,5-Trimethylbenzene
 Concen: 35.242 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064260.D
 Acq: 18 Nov 2019 13:07

Instrument :
 MSVOA_D
 ClientSampled :
 40180

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.2	25.4	76.4

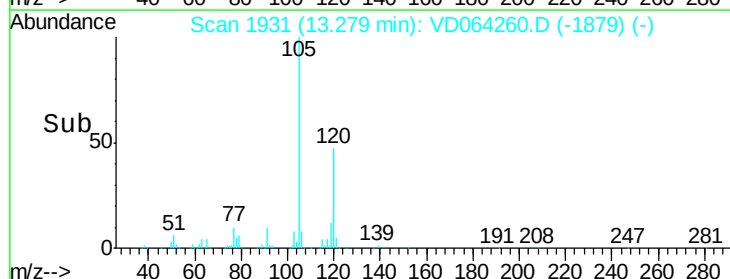
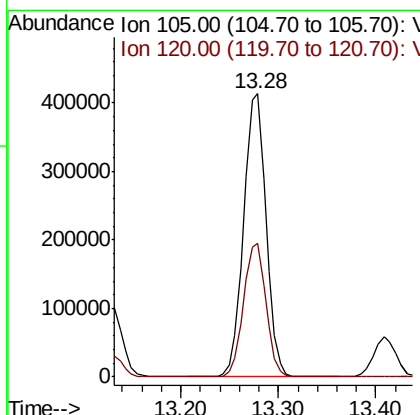
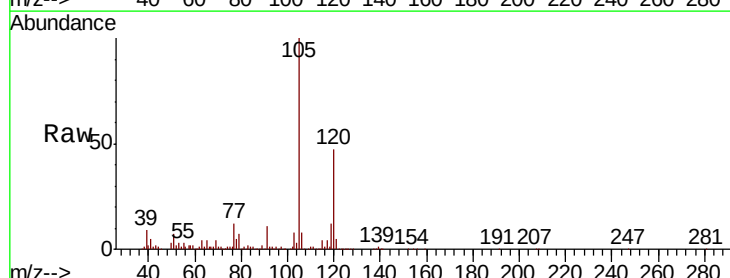
Manual Integrations
 APPROVED

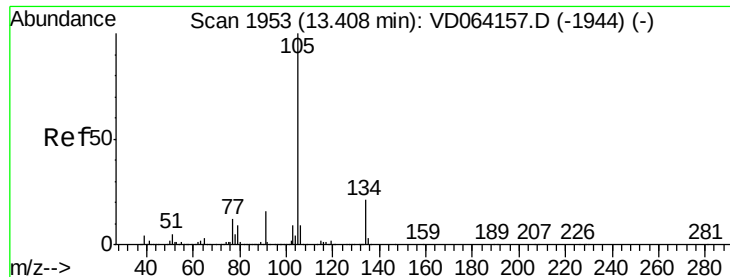
MMDadoda
 11/20/2019 1:11:58 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 111.514 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064260.D
 Acq: 18 Nov 2019 13:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.3	69.8





#85

sec-Butylbenzene

Concen: 12.855 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064260.D

Acq: 18 Nov 2019 13:07

Instrument :

MSVOA_D

ClientSampled :

40180

Tot Ion:105 Resp: 91921

Ion Ratio Lower Upper

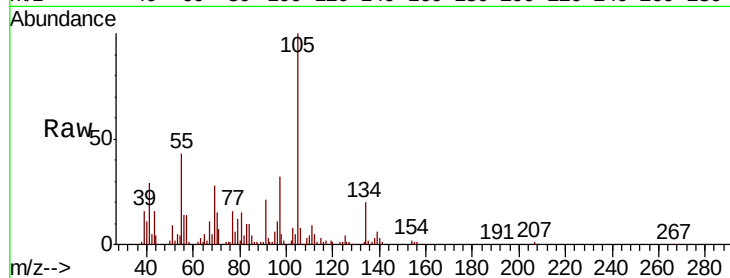
105 100

134 28.6 10.7 31.9

Manual Integrations
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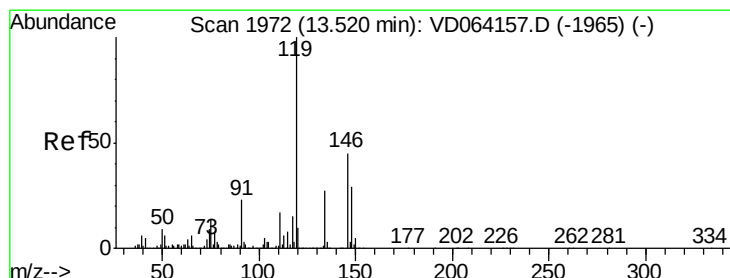
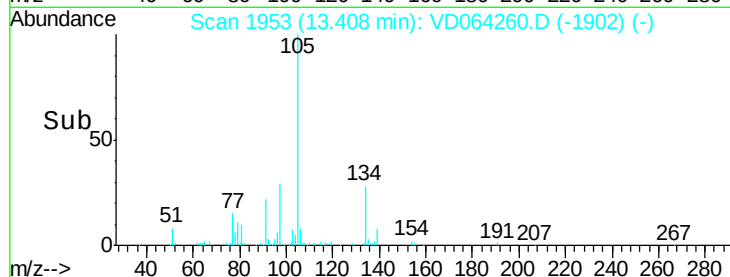
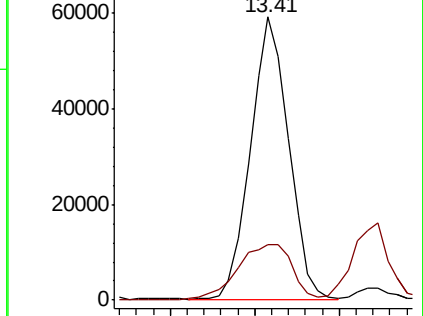
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.578 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064260.D

Acq: 18 Nov 2019 13:07

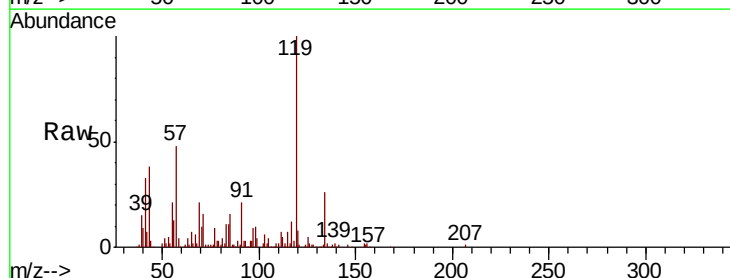
Tgt Ion:119 Resp: 133093

Ion Ratio Lower Upper

119 100

134 25.9 13.5 40.5

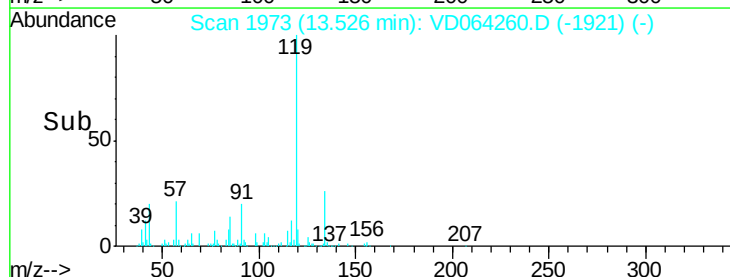
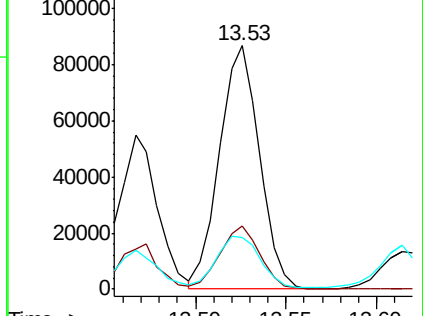
91 22.7 11.5 34.4

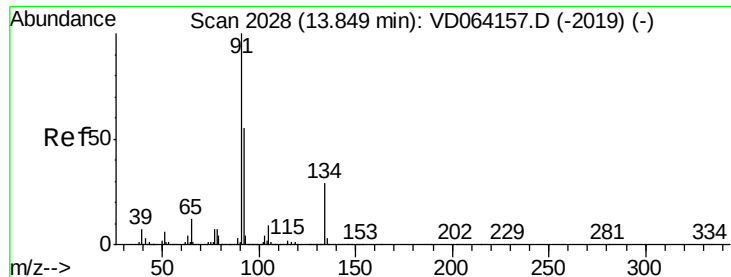


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





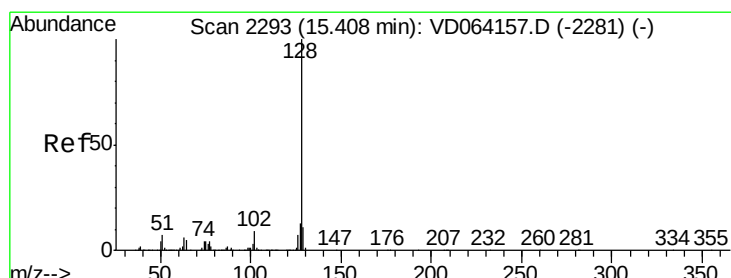
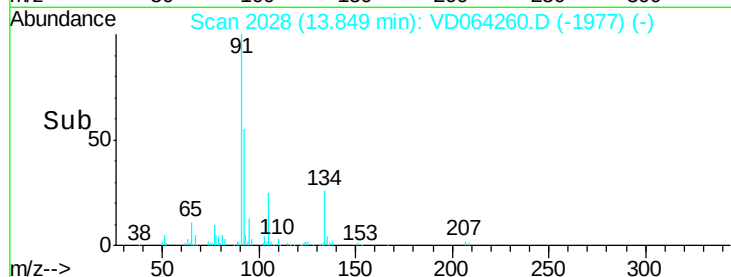
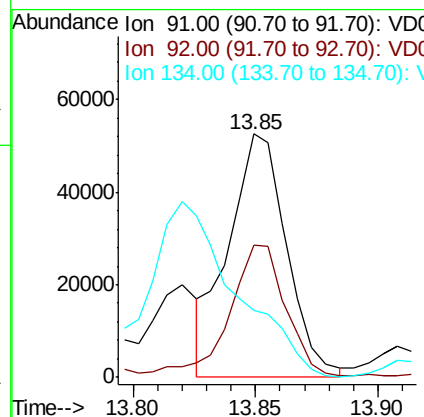
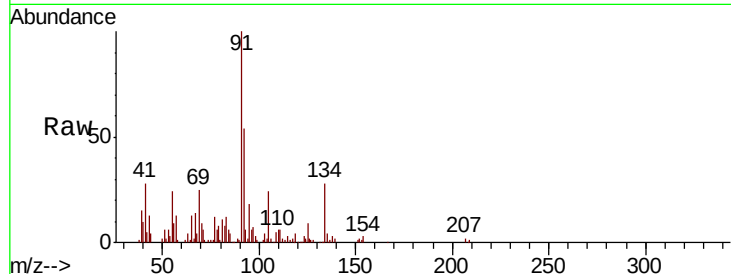
#89
n-Butylbenzene
Concen: 14.147 ug/l m
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Instrument :
MSVOA_D
ClientSampled :
40180

Tot Ion	Ratio	Resp	Lower	Upper
91	100	86890		
92	52.4	27.3	81.8	
134	0.0	14.1	42.4#	

Manual Integrations
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#95
Naphthalene
Concen: 5.906 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064260.D
Acq: 18 Nov 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	20946		
127	15.5	10.5	15.7	
129	10.2	8.6	13.0	

