

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064186.D
 Acq On : 11 Nov 2019 19:10
 Operator : VA/SY
 Sample : K5777-04
 Misc : 4.70G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AOC-7-MIDDLE-(10)

Manual Integrations
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MMDadoda
 11/12/2019 10:25:54 AM

Quant Time: Nov 12 03:54:48 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	385255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	714587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	513610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.60	152	182963	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	256478	80.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	161.90%	
35) Dibromofluoromethane	7.92	113	241173	58.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.60%	
50) Toluene-d8	10.34	98	766752	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.64	95	249247	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
Target Compounds						
						Qvalue
16) Acetone	4.17	43	180159	240.014	ug/l	95
17) Carbon Disulfide	4.40	76	68360	6.781	ug/l	97
25) 2-Butanone	7.23	43	78858	81.317	ug/l	92
39) Methylcyclohexane	9.36	83	29692	3.558	ug/l	96
40) Benzene	8.36	78	9164648	508.461	ug/l	95
52) Toluene	10.41	92	2191965	184.943	ug/l	99
67) Ethyl Benzene	11.73	91	43504354m	2302.798	ug/l	
68) m/p-Xylenes	11.85	106	32622834m	4505.098	ug/l	
69) o-Xylene	12.18	106	28552139m	4251.435	ug/l	
73) Isopropylbenzene	12.47	105	27168672m	2023.065	ug/l	
78) n-propylbenzene	12.83	91	16450885	1072.187	ug/l	91
80) 1,3,5-Trimethylbenzene	12.92	105	39127647m	3545.785	ug/l	
84) 1,2,4-Trimethylbenzene	13.26	105	30520109m	2801.453	ug/l	
85) sec-Butylbenzene	13.41	105	312080	23.880	ug/l #	55
86) p-Isopropyltoluene	13.54	119	11752381	945.905	ug/l	91
89) n-Butylbenzene	13.80	91	26866157m	2393.452	ug/l	
95) Naphthalene	15.39	128	46680778m	7201.480	ug/l	

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

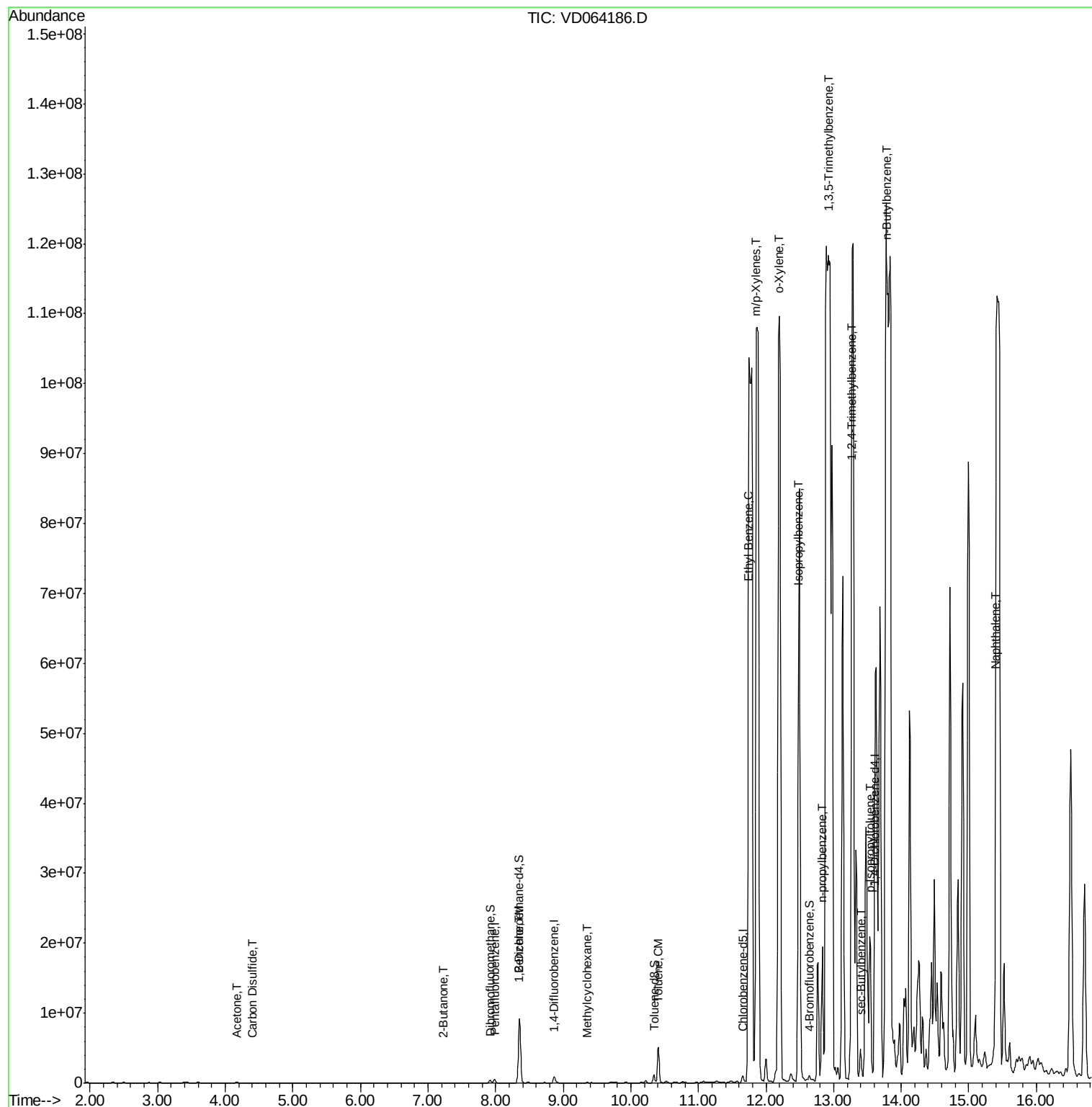
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111119\
Data File : VD064186.D
Acq On : 11 Nov 2019 19:10
Operator : VA/SY
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Misc : 4.70G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

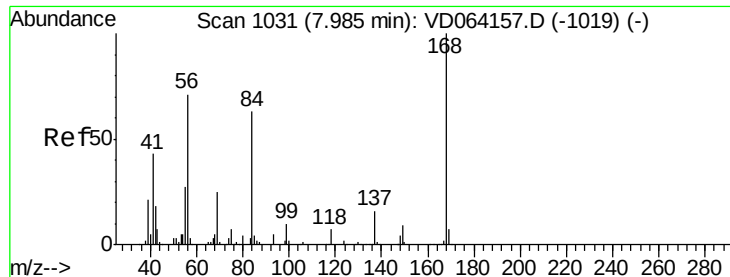
Instrument :
MSVOA_D
ClientSampleId :
AOC-7-MIDDLE-(10)

Manual Integrations
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11/12/2019 10:25:54 AM

Quant Time: Nov 12 03:54:48 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: VD064186.D

Acq: 11 Nov 2019 19:10

Instrument :

MSVOA_D

ClientSampleId :

AOC-7-MIDDLE-(10)

Tot Ion:168 Resp: 385255

Ion Ratio Lower Upper

168 100

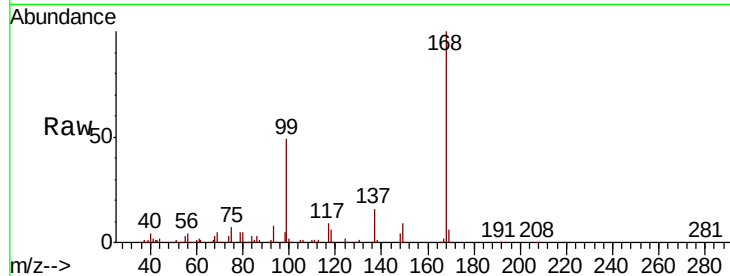
99 48.5 41.6 62.4

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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

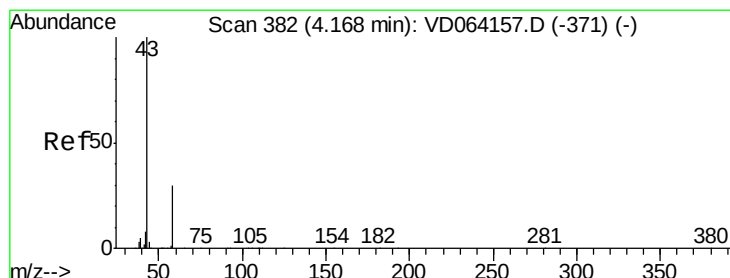
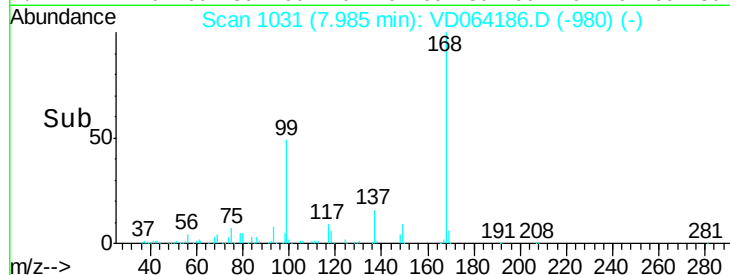
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 240.014 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064186.D

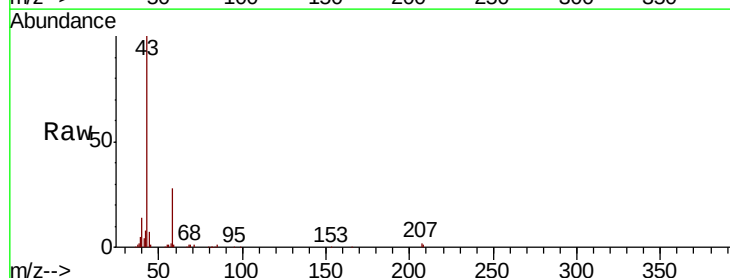
Acq: 11 Nov 2019 19:10

Tgt Ion: 43 Resp: 180159

Ion Ratio Lower Upper

43 100

58 27.4 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

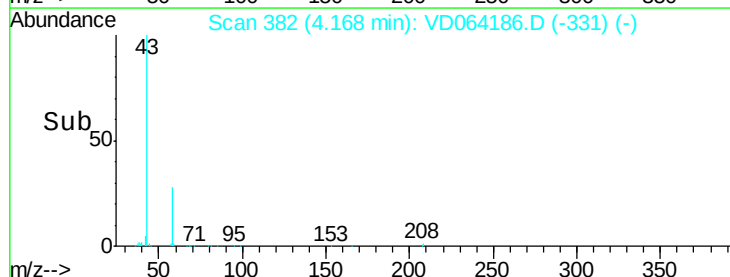
60000

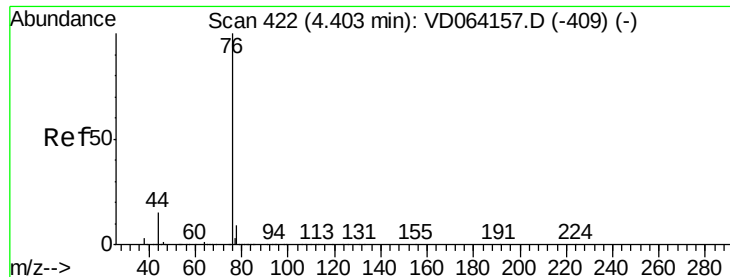
40000

20000

0

Time-->





#17

Carbon Disulfide

Concen: 6.781 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064186.D

Acq: 11 Nov 2019 19:10

Instrument :

MSVOA_D

ClientSampleId :

AOC-7-MIDDLE-(10)

Tot Ion: 76 Resp: 68360

Ion Ratio Lower Upper

76 100

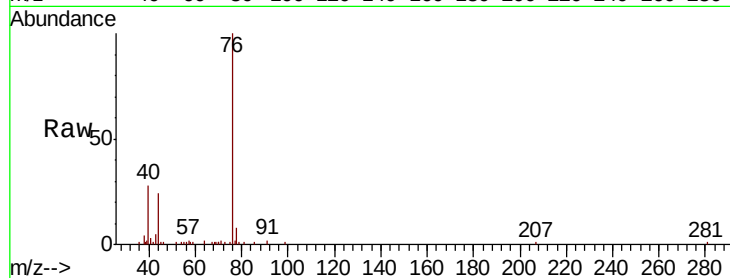
78 8.0 7.2 10.8

Manual Integrations

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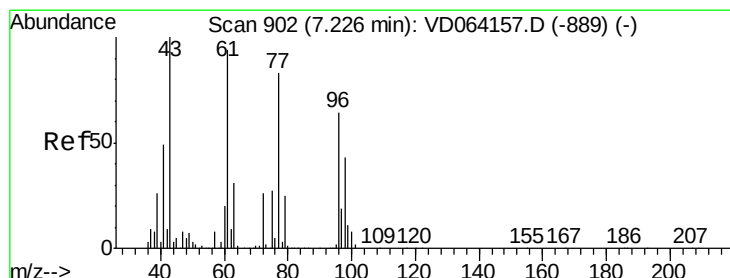
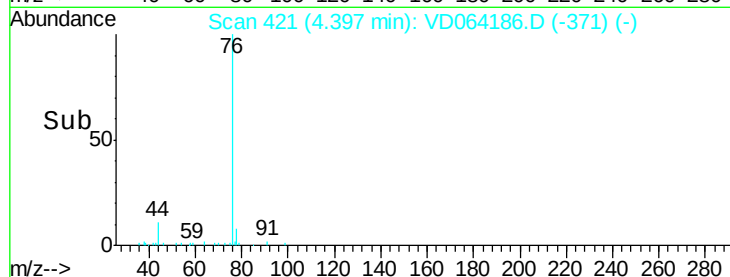
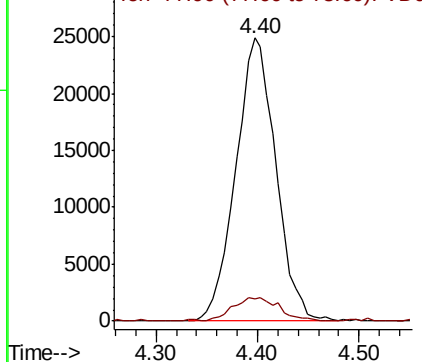
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#25

2-Butanone

Concen: 81.317 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064186.D

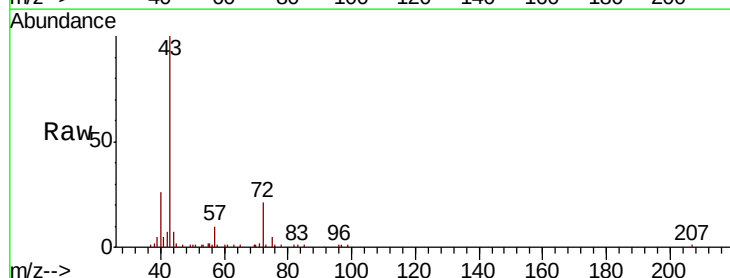
Acq: 11 Nov 2019 19:10

Tgt Ion: 43 Resp: 78858

Ion Ratio Lower Upper

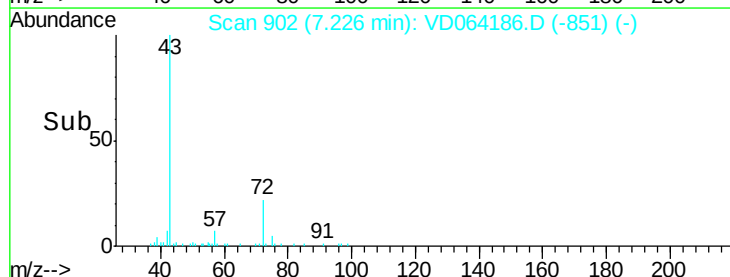
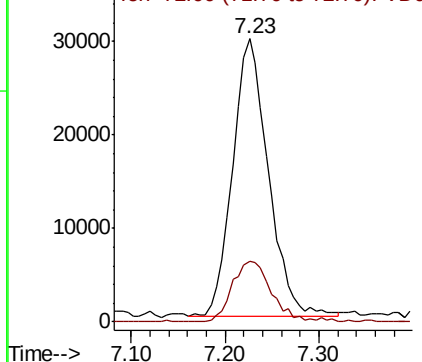
43 100

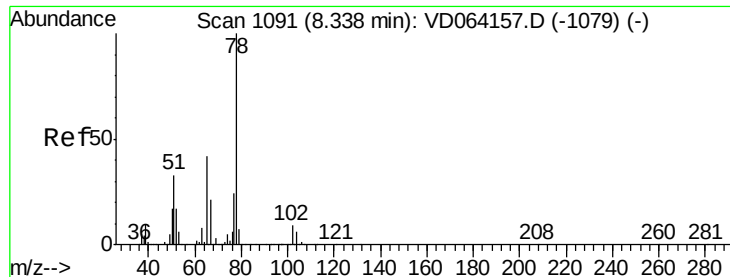
72 21.8 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





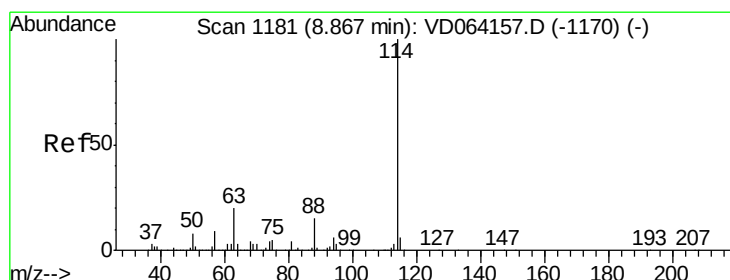
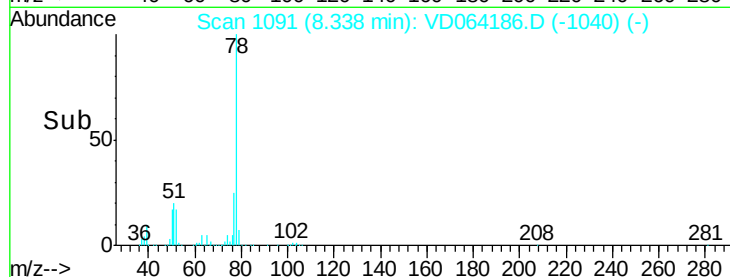
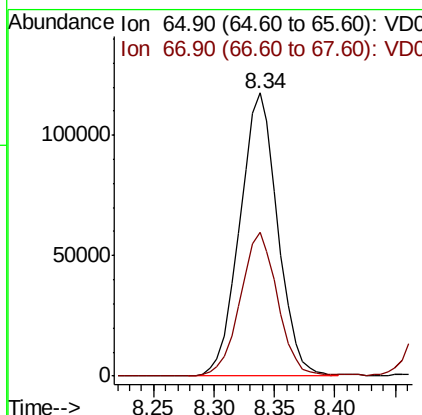
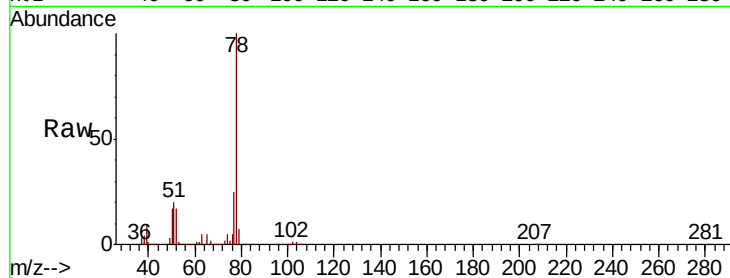
#33
 1,2-Dichloroethane-d4
 Concen: 80.946 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064186.D
 Acq: 11 Nov 2019 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 AOC-7-MIDDLE-(10)

Tot Ion	Ratio	Resp	Lower	Upper
65	100	256478		
67	50.0	0.0	104.4	

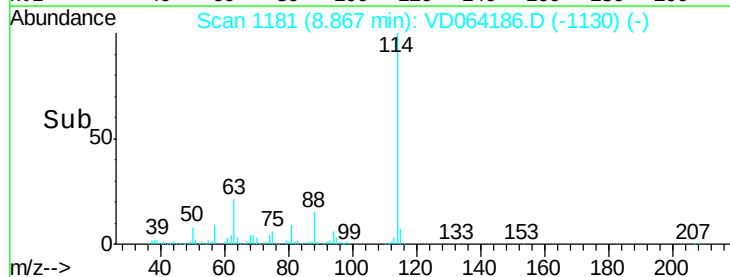
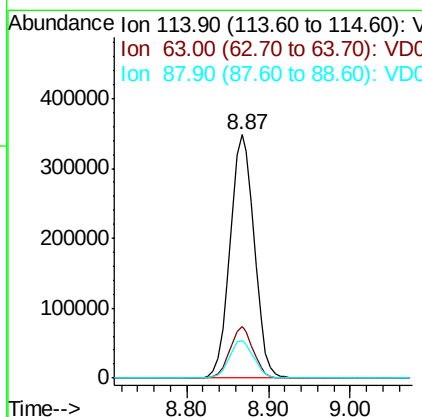
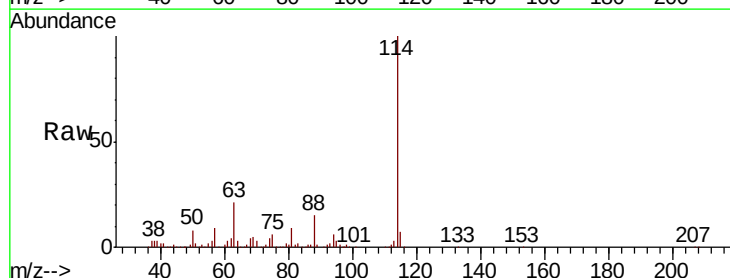
Manual Integrations
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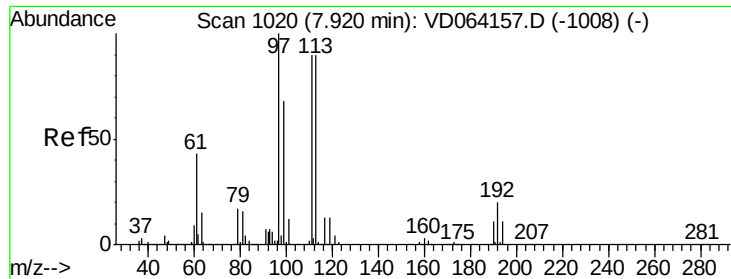
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064186.D
 Acq: 11 Nov 2019 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	714587		
63	21.0	0.0	40.0	
88	15.3	0.0	30.2	





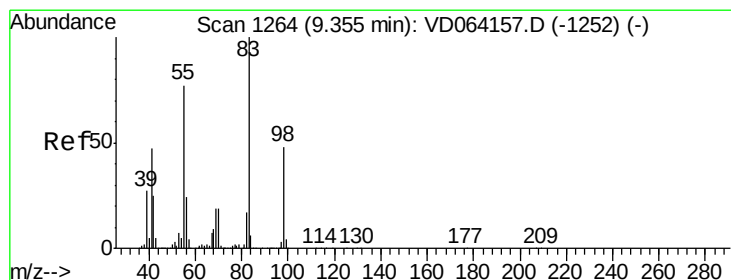
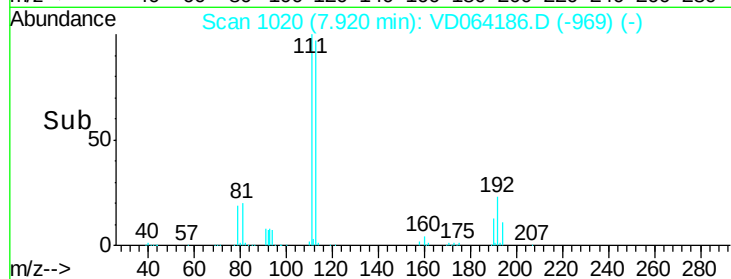
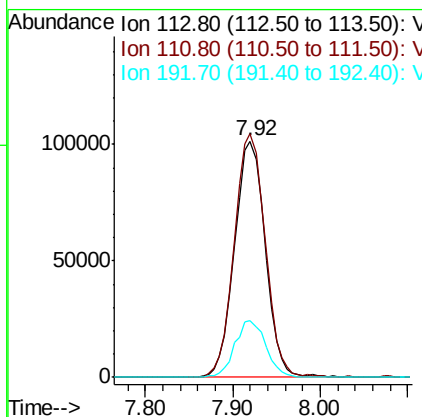
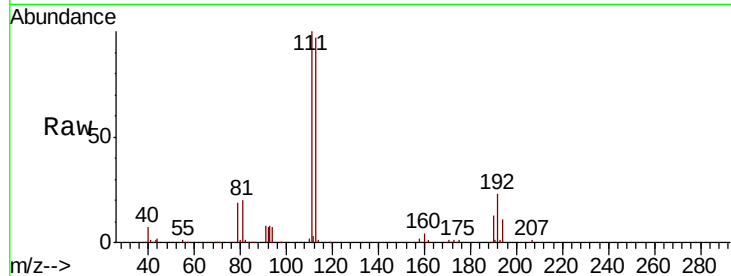
#35
Dibromofluoromethane
Concen: 58.796 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064186.D
Acq: 11 Nov 2019 19:10

Instrument :
MSVOA_D
ClientSampleId :
AOC-7-MIDDLE-(10)

Tot Ion	Ratio	Resp	Lower	Upper
113	100	241173		
111	104.0	81.5	122.3	
192	24.4	18.8	28.2	

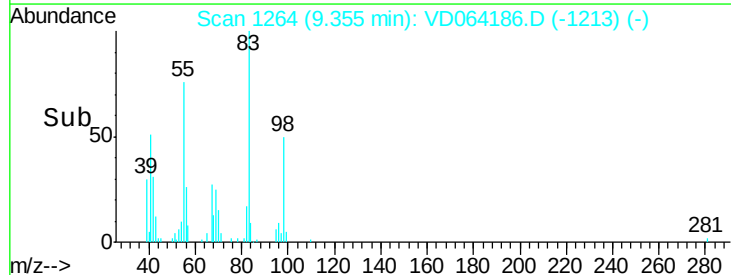
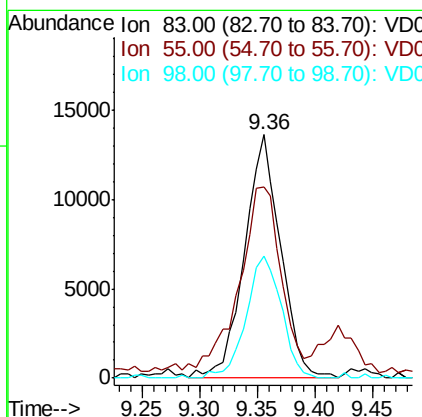
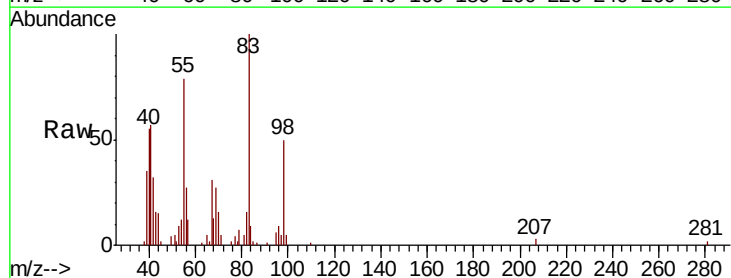
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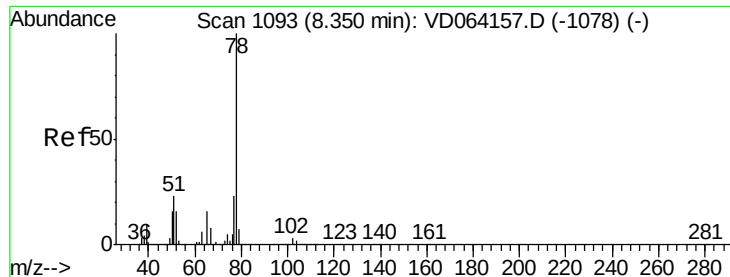
MMDadoda
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#39
Methylcyclohexane
Concen: 3.558 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064186.D
Acq: 11 Nov 2019 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	29692		
55	72.6	61.7	92.5	
98	50.3	38.6	58.0	





#40

Benzene

Concen: 508.461 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD064186.D

Acq: 11 Nov 2019 19:10

Instrument :

MSVOA_D

ClientSampleId :

AOC-7-MIDDLE-(10)

Tot Ion: 78 Resp: 9164648

Ion Ratio Lower Upper

78 100

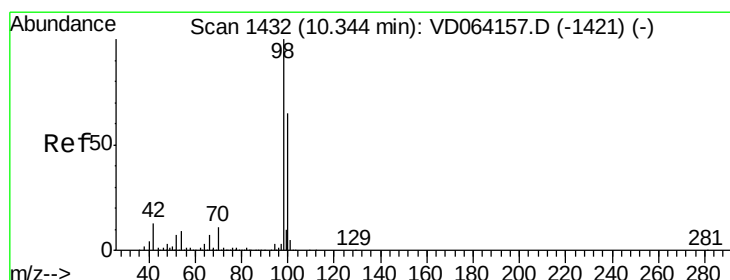
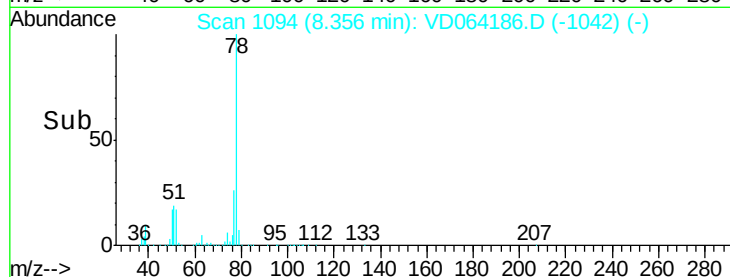
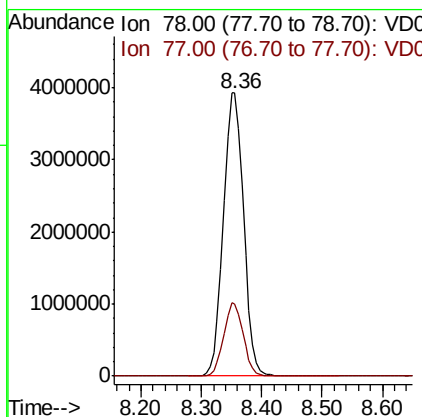
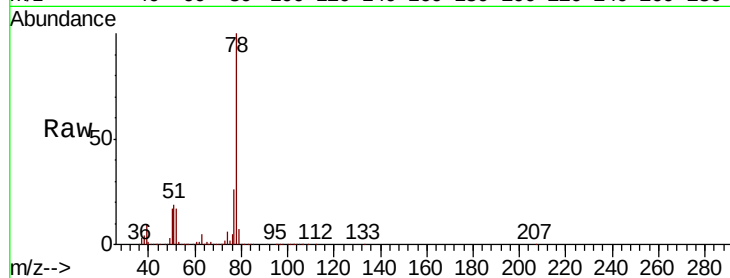
77 25.7 18.6 28.0

Manual Integrations

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#50

Toluene-d8

Concen: 49.551 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064186.D

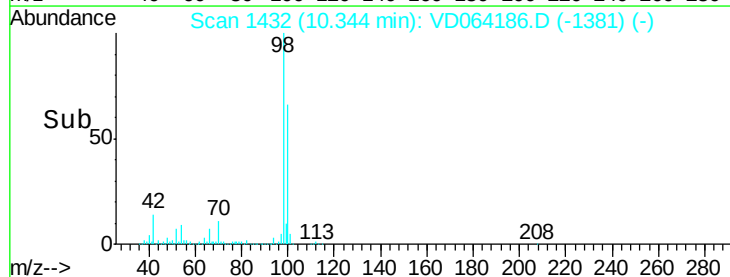
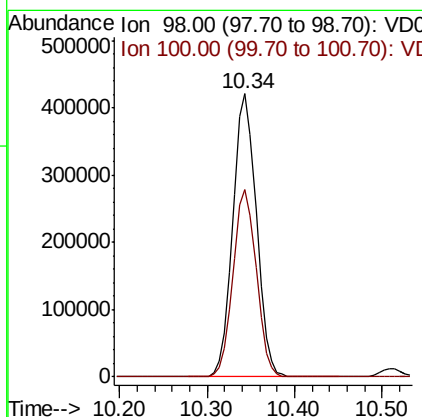
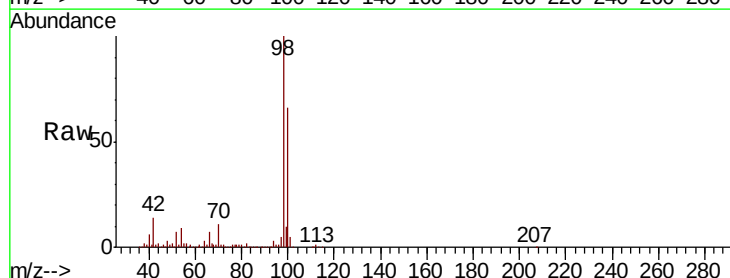
Acq: 11 Nov 2019 19:10

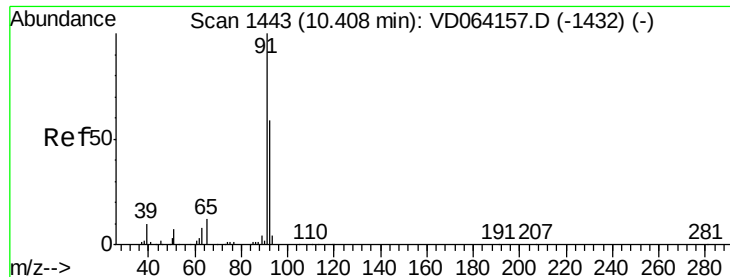
Tgt Ion: 98 Resp: 766752

Ion Ratio Lower Upper

98 100

100 65.5 52.6 78.8





#52

Toluene

Concen: 184.943 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064186.D

Acq: 11 Nov 2019 19:10

Instrument :

MSVOA_D

ClientSampleId :

AOC-7-MIDDLE-(10)

Tot Ion: 92 Resp: 2191965

Ion Ratio Lower Upper

92 100

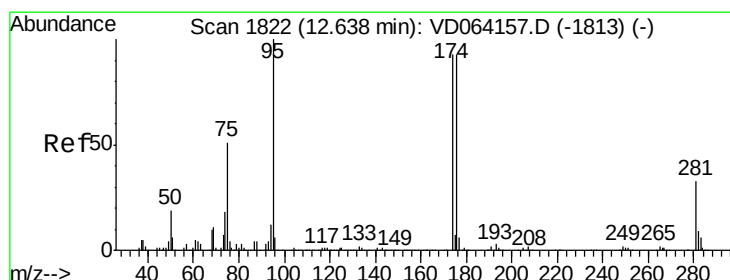
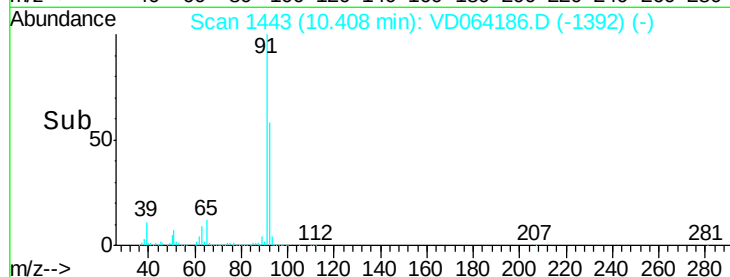
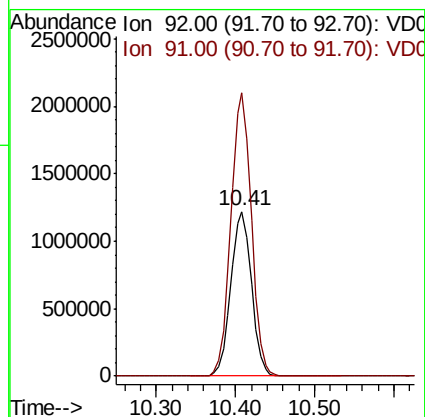
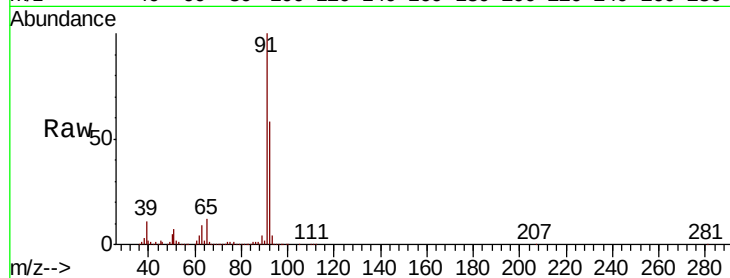
91 171.2 136.4 204.6

Manual Integrations

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11/12/2019 10:25:54 AM



#62

4-Bromofluorobenzene

Concen: 46.512 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD064186.D

Acq: 11 Nov 2019 19:10

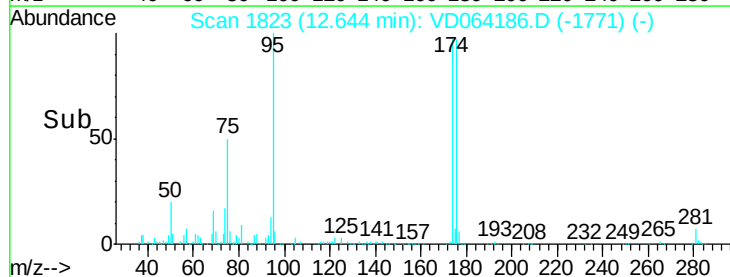
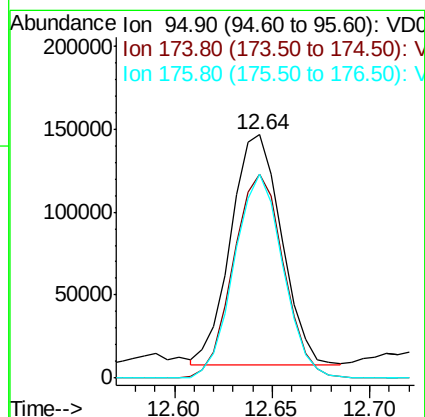
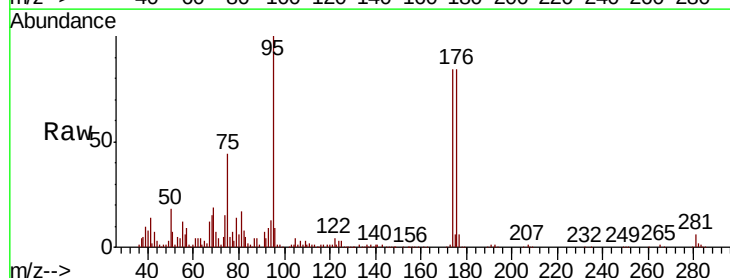
Tgt Ion: 95 Resp: 249247

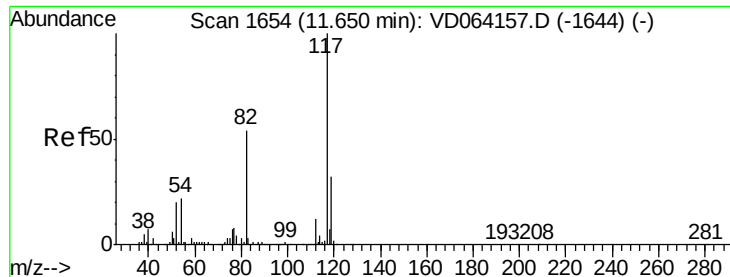
Ion Ratio Lower Upper

95 100

174 88.1 0.0 183.6

176 85.1 0.0 180.2





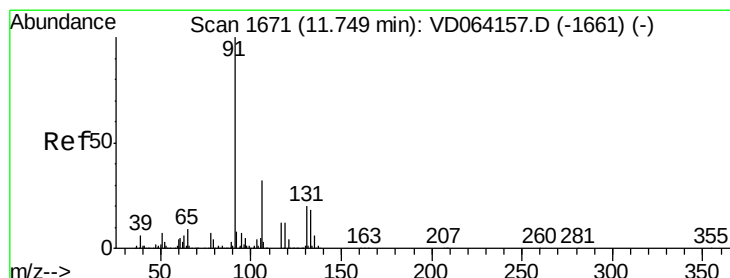
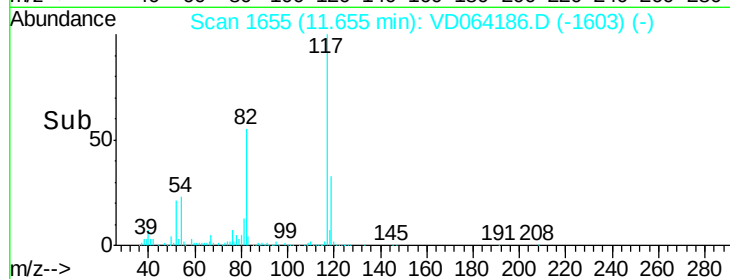
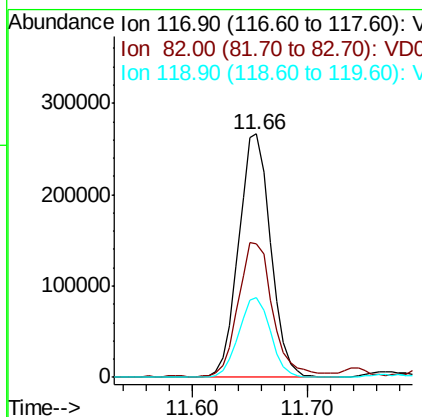
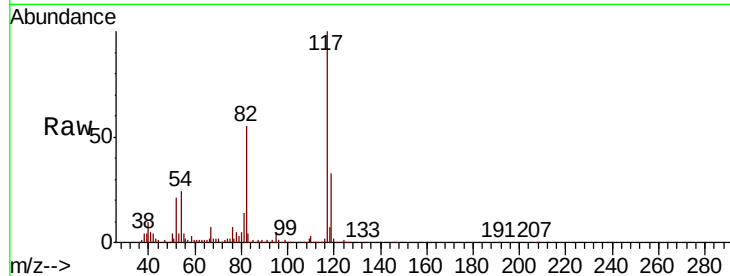
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD064186.D
Acq: 11 Nov 2019 19:10

Instrument :
MSVOA_D
ClientSampleId :
AOC-7-MIDDLE-(10)

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.8	64.2
119	32.7	25.6	38.4

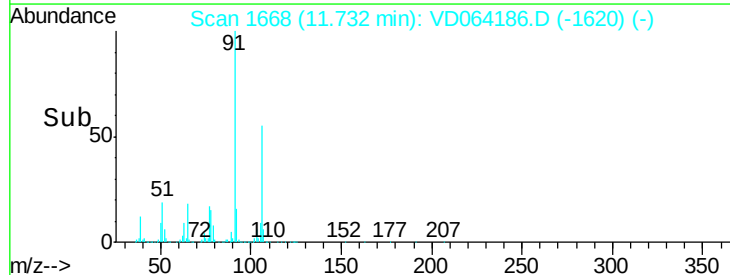
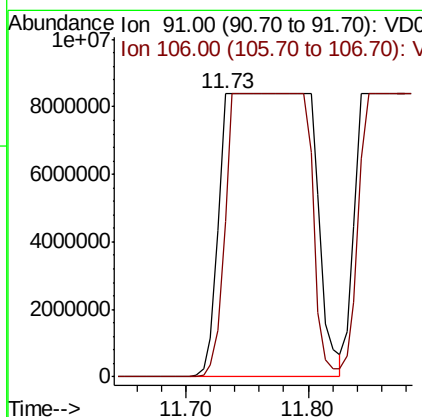
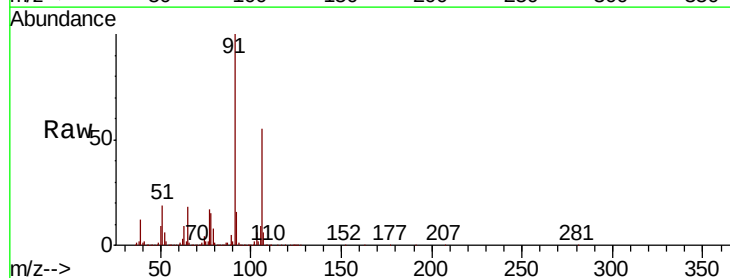
Manual Integrations
APPROVED

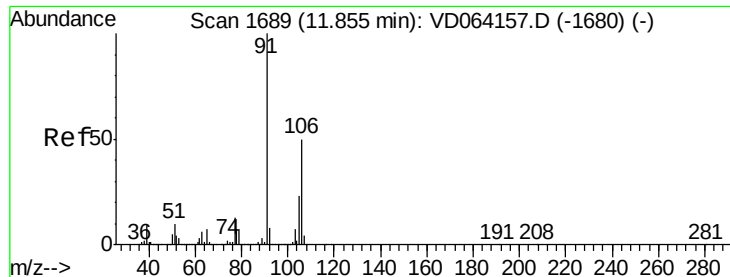
MMDadoda
11/12/2019 10:25:54 AM



#67
Ethyl Benzene
Concen: 2302.798 ug/l m
RT: 11.73 min Scan# 1668
Delta R.T. -0.02 min
Lab File: VD064186.D
Acq: 11 Nov 2019 19:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	54.9	25.5	38.3





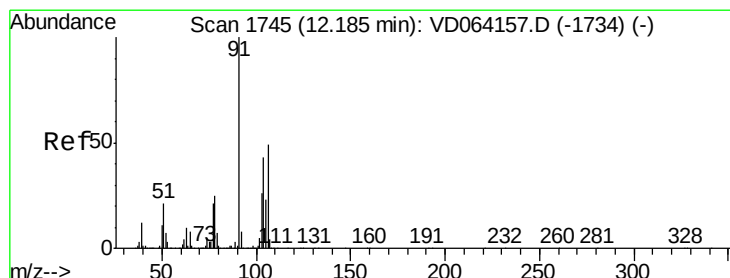
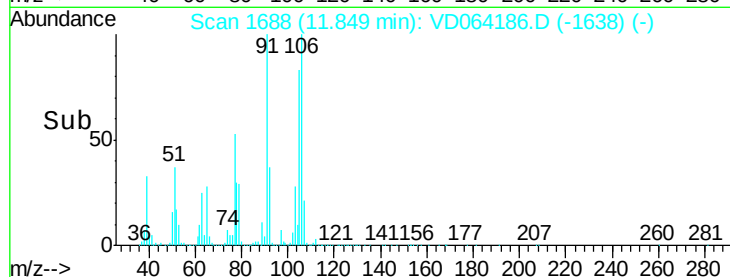
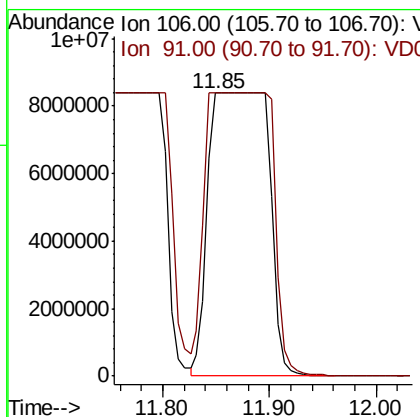
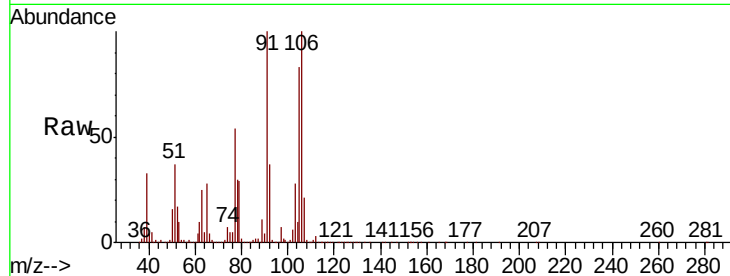
#68
m/p-Xylenes
Concen: 4505.098 ug/l m
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD064186.D
Acq: 11 Nov 2019 19:10

Instrument :
MSVOA_D
ClientSampleId :
AOC-7-MIDDLE-(10)

Tot Ion:106 Resp:32622834
Ion Ratio Lower Upper
106 100
91 7.9 160.3 240.5#

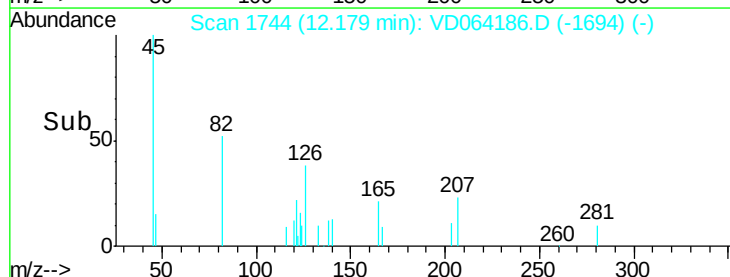
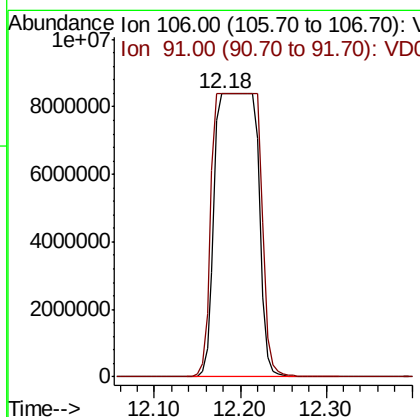
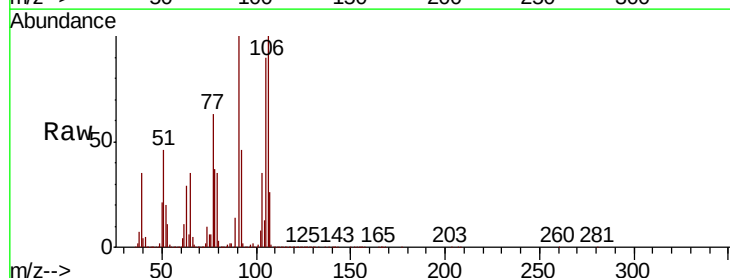
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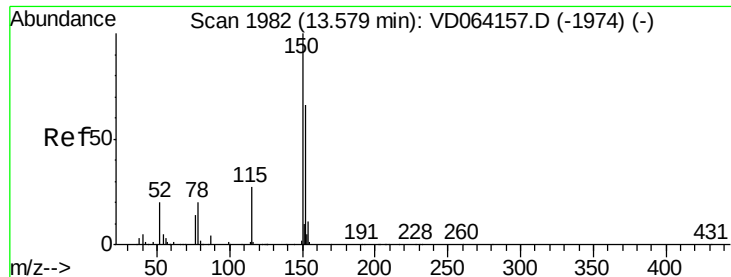
MMDadoda
11/12/2019 10:25:54 AM



#69
o-Xylene
Concen: 4251.435 ug/l m
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD064186.D
Acq: 11 Nov 2019 19:10

Tgt Ion:106 Resp:28552139
Ion Ratio Lower Upper
106 100
91 0.0 105.1 315.3#





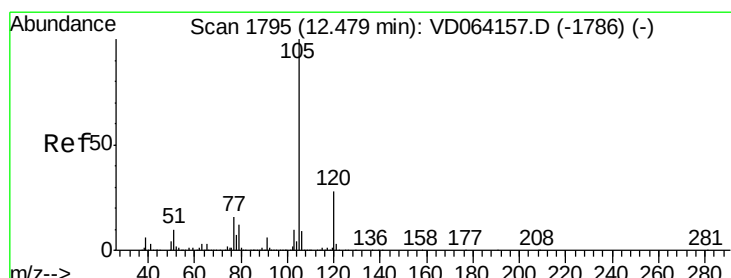
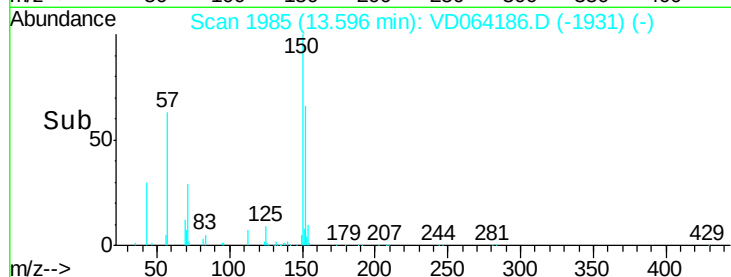
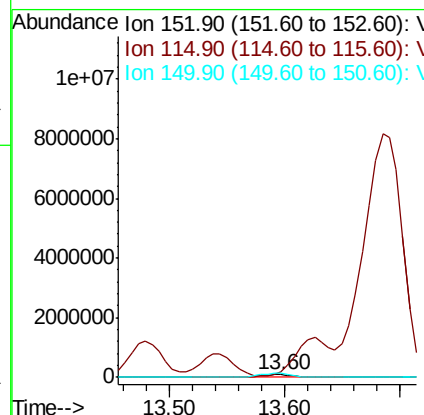
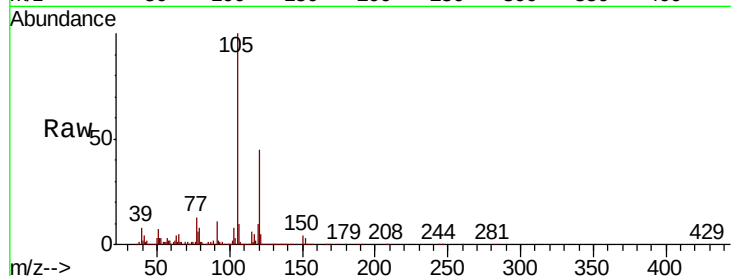
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.02 min
 Lab File: VD064186.D
 Acq: 11 Nov 2019 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 AOC-7-MIDDLE-(10)

Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	27.4	82.2#
150	149.3	0.0	351.6

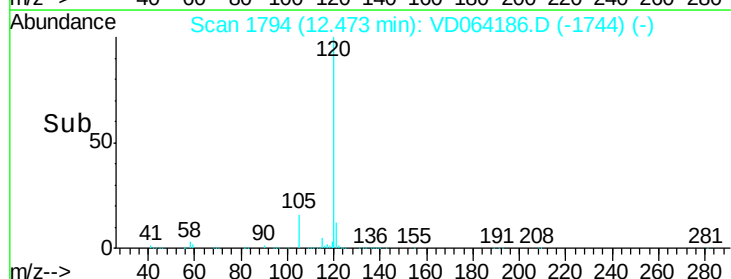
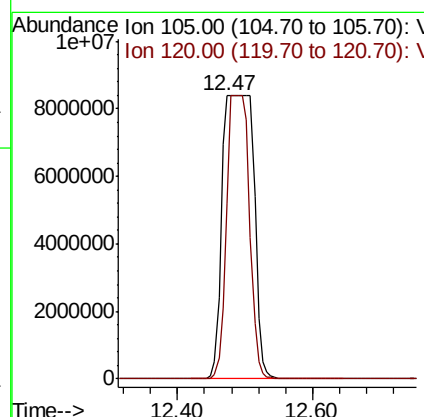
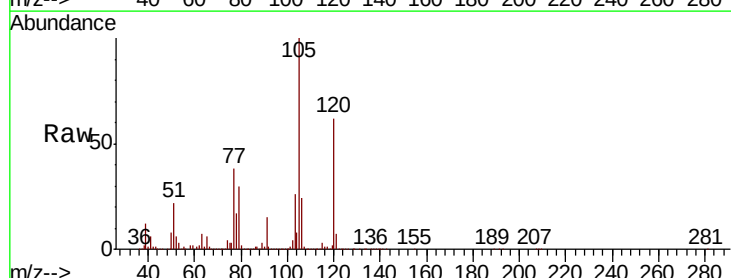
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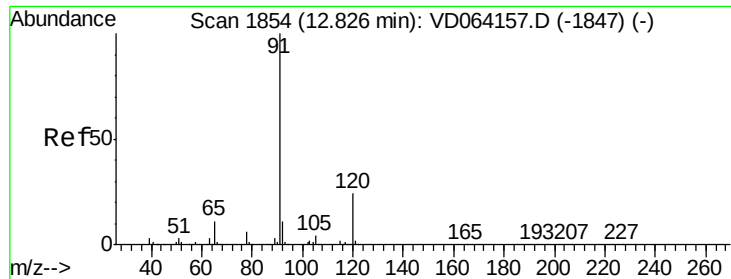
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#73
 Isopropylbenzene
 Concen: 2023.065 ug/l m
 RT: 12.47 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VD064186.D
 Acq: 11 Nov 2019 19:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.6	40.8#





#78

n-propylbenzene

Concen: 1072.187 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD064186.D

Acq: 11 Nov 2019 19:10

Instrument :

MSVOA_D

ClientSampleId :

AOC-7-MIDDLE-(10)

Tot Ion: 91 Resp:16450885

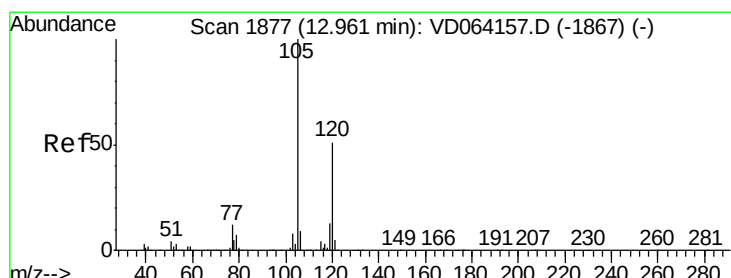
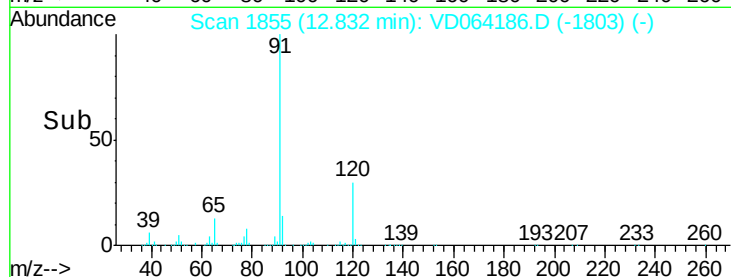
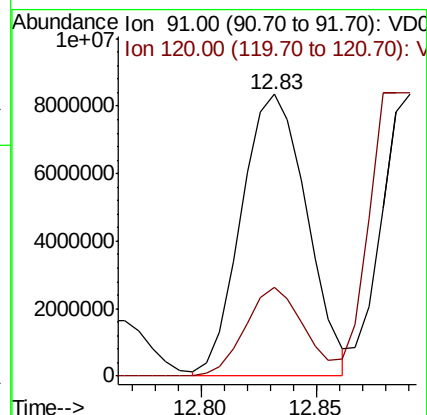
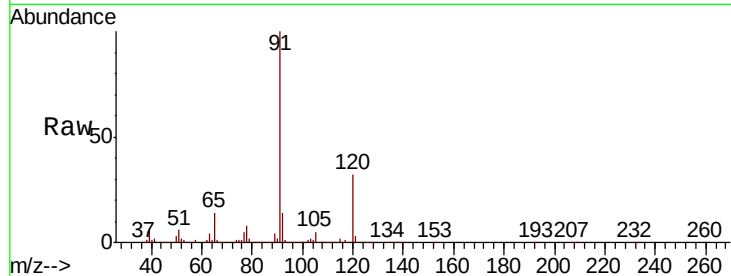
Ion Ratio Lower Upper

91 100

120 27.8 11.8 35.4

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#80

1,3,5-Trimethylbenzene

Concen: 3545.785 ug/l m

RT: 12.92 min Scan# 1870

Delta R.T. -0.04 min

Lab File: VD064186.D

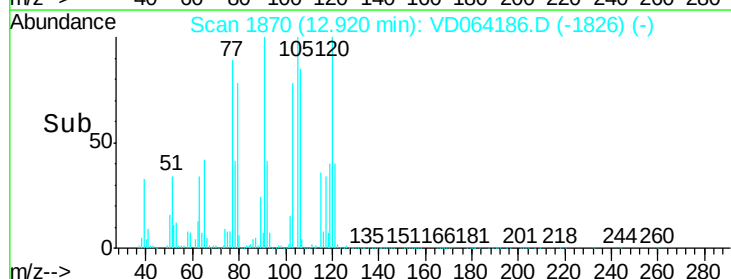
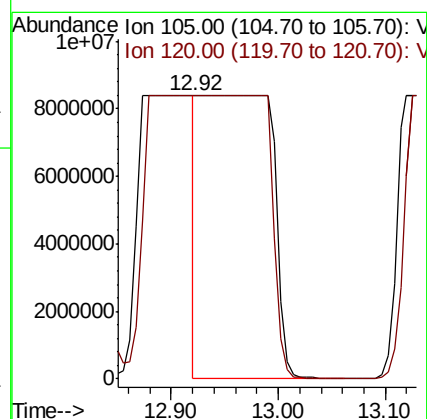
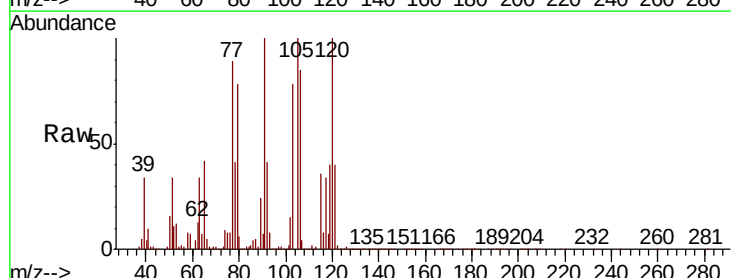
Acq: 11 Nov 2019 19:10

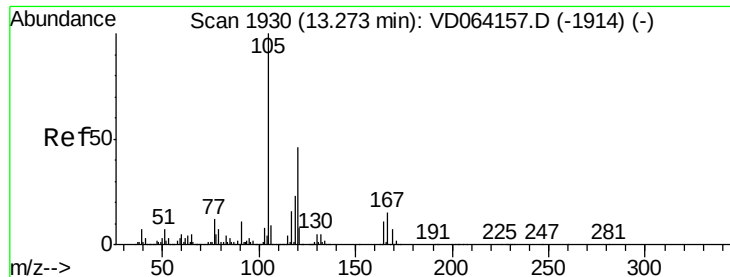
Tgt Ion:105 Resp:39127647

Ion Ratio Lower Upper

105 100

120 6.9 25.4 76.4#





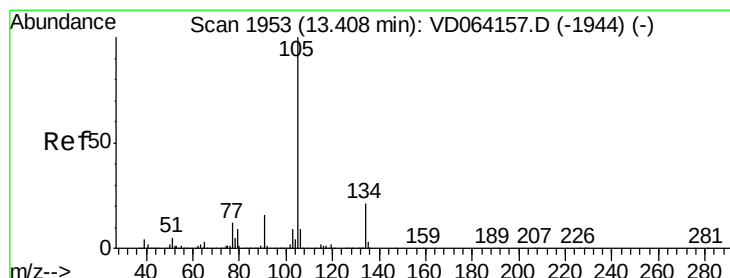
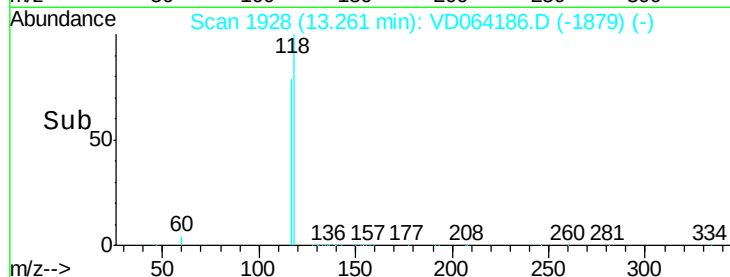
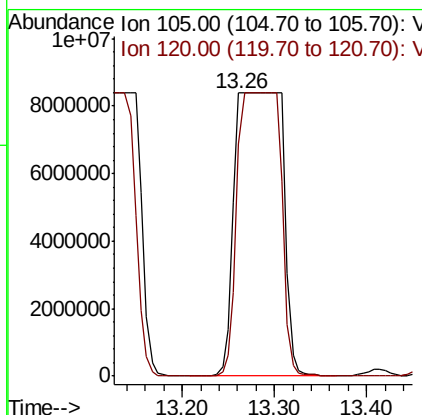
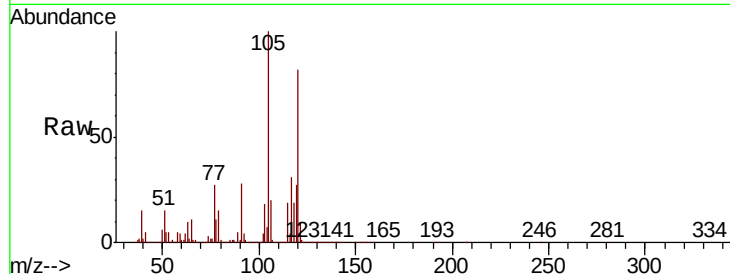
#84
 1,2,4-Trimethylbenzene
 Concen: 2801.453 ug/l m
 RT: 13.26 min Scan# 1928
 Delta R.T. -0.01 min
 Lab File: VD064186.D
 Acq: 11 Nov 2019 19:10

Instrument :
 MSVOA_D
 ClientSampleId :
 AOC-7-MIDDLE-(10)

Tot Ion:105 Resp:30520109
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.3 69.8#

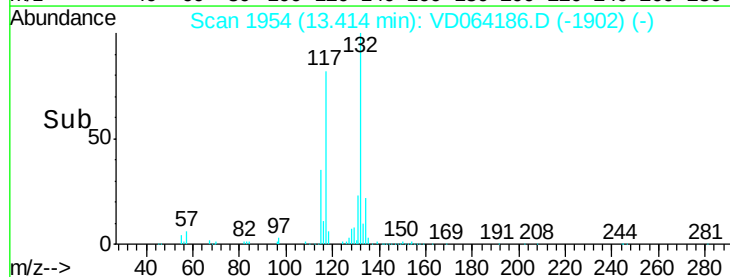
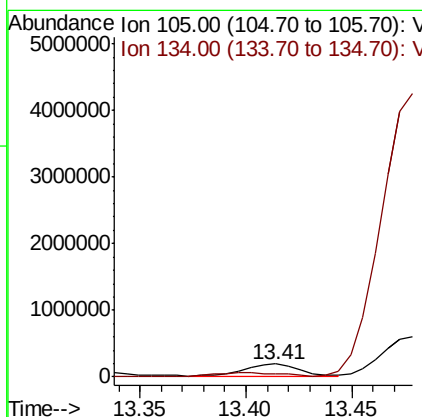
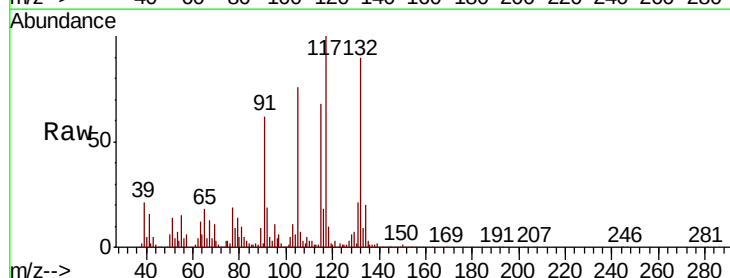
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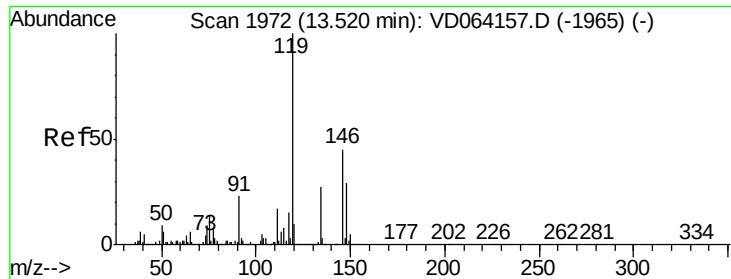
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#85
 sec-Butylbenzene
 Concen: 23.880 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD064186.D
 Acq: 11 Nov 2019 19:10

Tgt Ion:105 Resp: 312080
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.7 31.9#





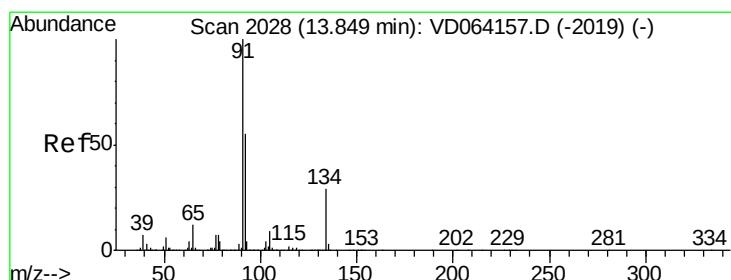
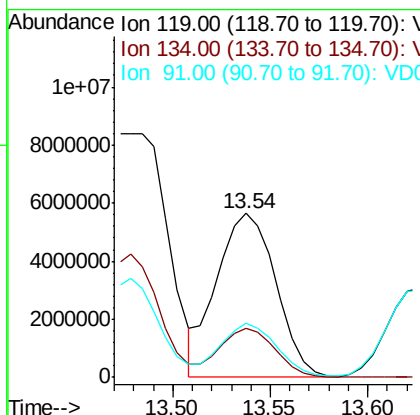
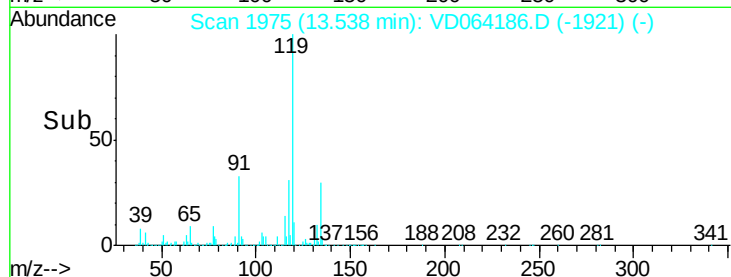
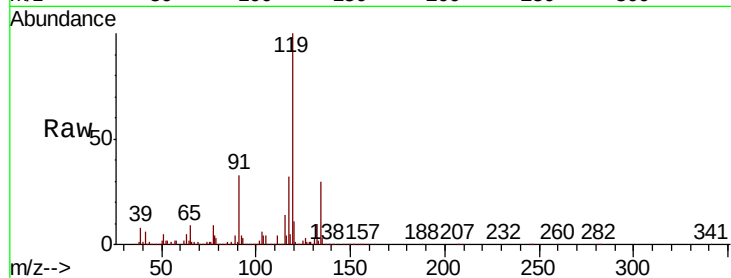
#86
p-Isopropyltoluene
Concen: 945.905 ug/l
RT: 13.54 min Scan# 1975
Delta R.T. 0.02 min
Lab File: VD064186.D
Acq: 11 Nov 2019 19:10

Instrument :
MSVOA_D
ClientSampleId :
AOC-7-MIDDLE-(10)

Tot Ion:119 Resp:11752381
Ion Ratio Lower Upper
119 100
134 28.8 13.5 40.5
91 30.7 11.5 34.4

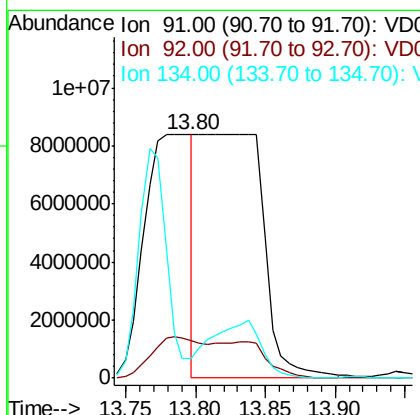
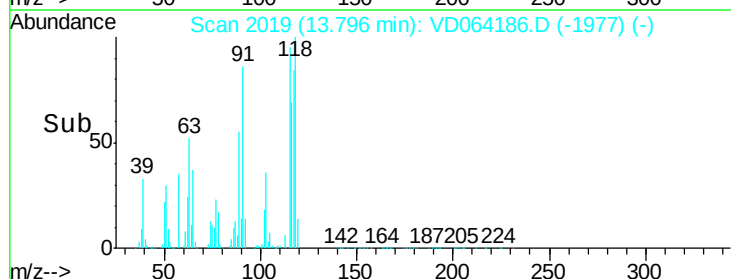
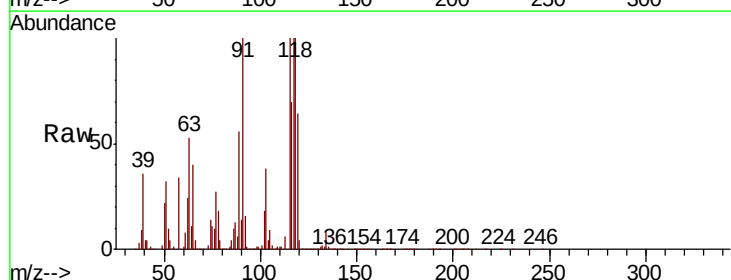
Manual Integrations
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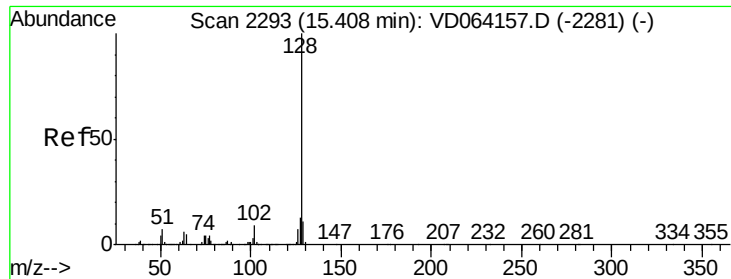
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#89
n-Butylbenzene
Concen: 2393.452 ug/l m
RT: 13.80 min Scan# 2019
Delta R.T. -0.05 min
Lab File: VD064186.D
Acq: 11 Nov 2019 19:10

Tgt Ion: 91 Resp:26866157
Ion Ratio Lower Upper
91 100
92 13.8 27.3 81.8#
134 41.2 14.1 42.4





#95
Naphthalene
Concen: 7201.480 ug/l m
RT: 15.39 min Scan# 2290
Delta R.T. -0.02 min
Lab File: VD064186.D
Acq: 11 Nov 2019 19:10

Instrument :
MSVOA_D
ClientSampleId :
AOC-7-MIDDLE-(10)

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.6	13.0#

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