

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
 Data File : VD064981.D
 Acq On : 28 Jan 2020 16:19
 Operator : VA/SY
 Sample : L1287-04
 Misc : 6.56G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AOC-3-EXC-PIT-(5)-B

Manual Integrations
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 1/29/2020 12:56:07 PM

Quant Time: Jan 29 02:51:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	453493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	739506	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	627011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	260373	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	207437	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
35) Dibromofluoromethane	7.92	113	221594	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
50) Toluene-d8	10.34	98	867484	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.64	95	245481	44.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.44%	
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	3.27	101	9770	1.100	ug/l	96
16) Acetone	4.17	43	33827	40.515	ug/l	94
25) 2-Butanone	7.23	43	11727	9.979	ug/l	97
39) Methylcyclohexane	9.36	83	9325	1.119	ug/l	94
65) Chlorobenzene	11.67	112	39188	3.078	ug/l	91
67) Ethyl Benzene	11.75	91	386205	17.088	ug/l	99
68) m/p-Xylenes	11.86	106	41546	4.774	ug/l	98
69) o-Xylene	12.18	106	57536	7.450	ug/l	99
73) Isopropylbenzene	12.48	105	471452	26.492	ug/l	99
78) n-propylbenzene	12.83	91	133980	6.331	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	275242	18.873	ug/l	98
83) tert-Butylbenzene	13.23	119	28910	2.336	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	986160	66.751	ug/l	98
85) sec-Butylbenzene	13.41	105	43515	2.483	ug/l #	69
86) p-Isopropyltoluene	13.53	119	181311	11.057	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	133425	16.091	ug/l	92
89) n-Butylbenzene	13.85	91	60800m	4.063	ug/l	
91) 1,2-Dichlorobenzene	13.90	146	29660	4.182	ug/l #	23
95) Naphthalene	15.41	128	12513070	1580.113	ug/l	98

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

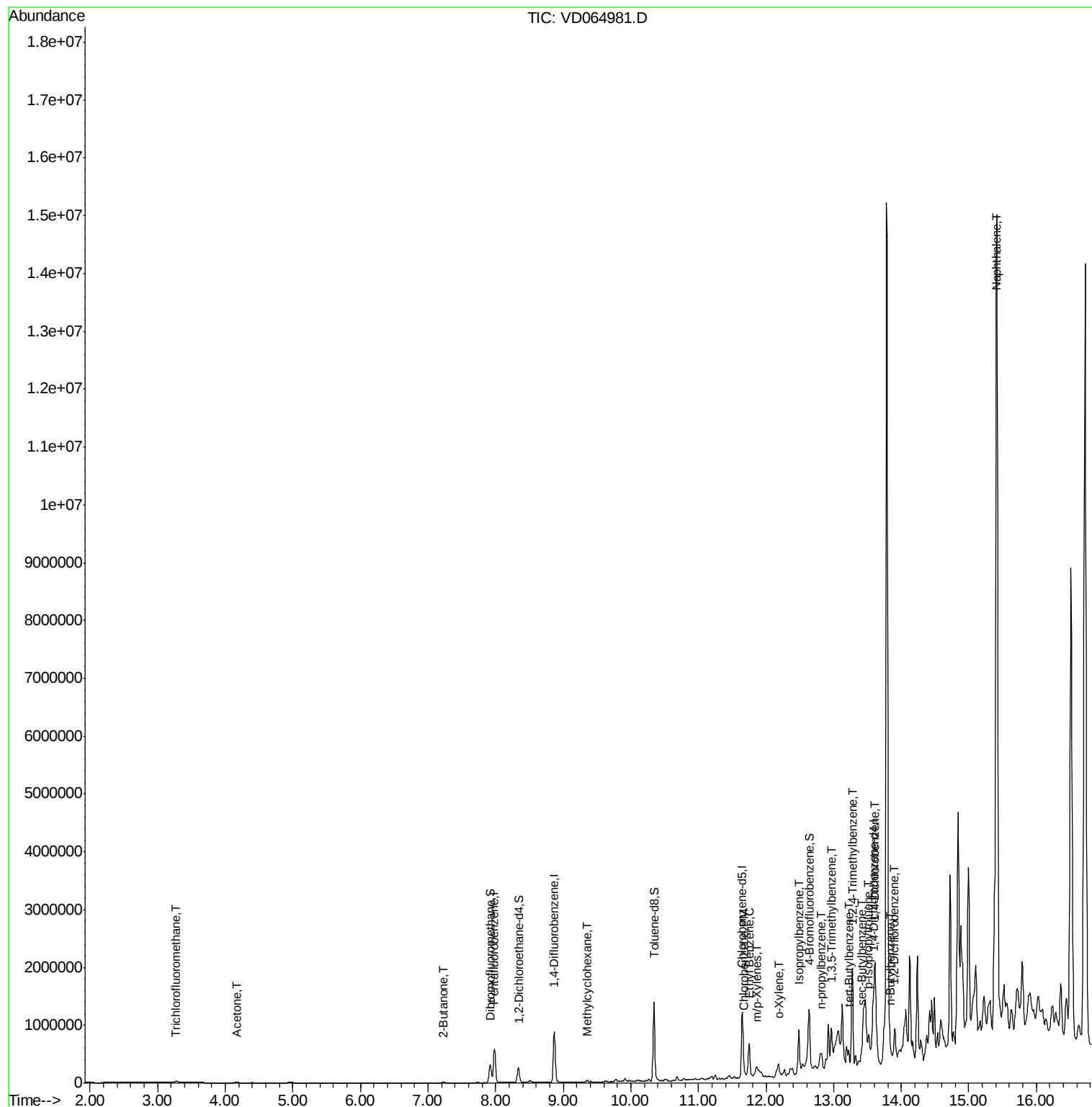
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
Data File : VD064981.D
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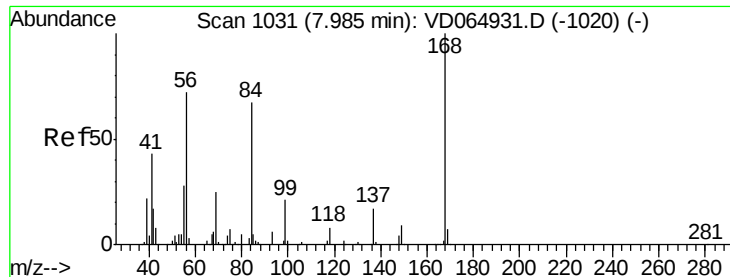
Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-B

Manual Integrations
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Quant Time: Jan 29 02:51:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064981.D

Acq: 28 Jan 2020 16:19

Instrument :

MSVOA_D

ClientSampleId :

AOC-3-EXC-PIT-(5)-B

Tot Ion:168 Resp: 453493

Ion Ratio Lower Upper

168 100

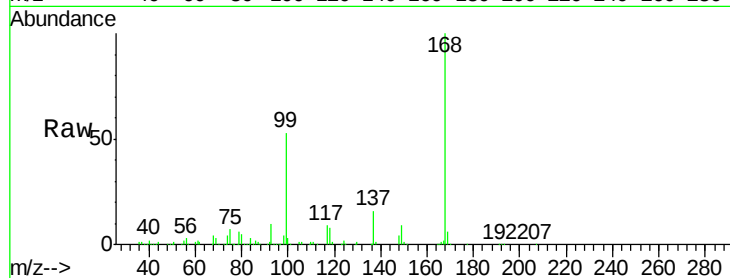
99 52.3 43.3 64.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.99

200000

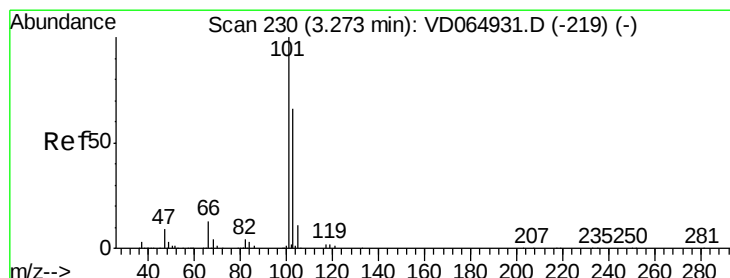
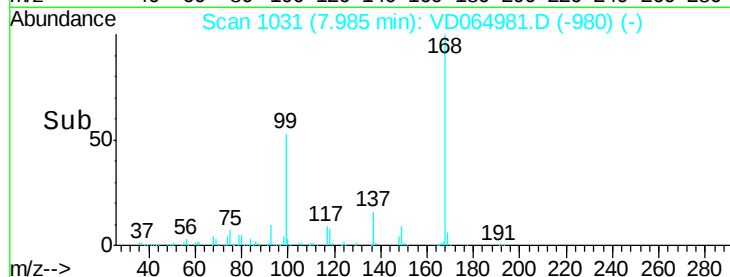
150000

100000

50000

0

Time-->



#7

Trichlorofluoromethane

Concen: 1.100 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD064981.D

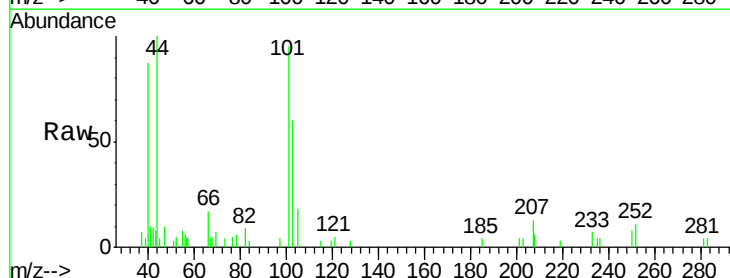
Acq: 28 Jan 2020 16:19

Tgt Ion:101 Resp: 9770

Ion Ratio Lower Upper

101 100

103 62.7 52.5 78.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

5000

4000

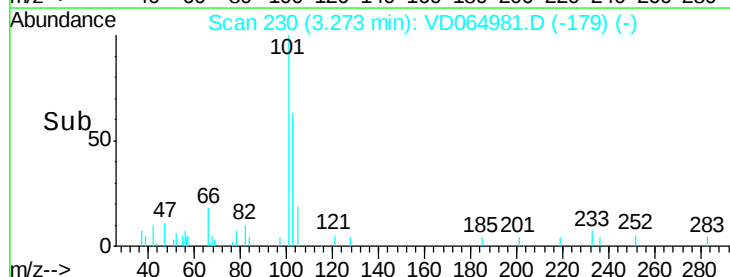
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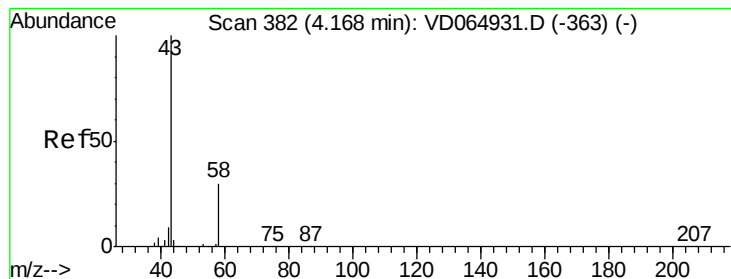
2000

1000

0

Time-->





#16

Acetone

Concen: 40.515 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064981.D

Acq: 28 Jan 2020 16:19

Instrument :

MSVOA_D

ClientSampleId :

AOC-3-EXC-PIT-(5)-B

Tot Ion: 43 Resp: 33827

Ion Ratio Lower Upper

43 100

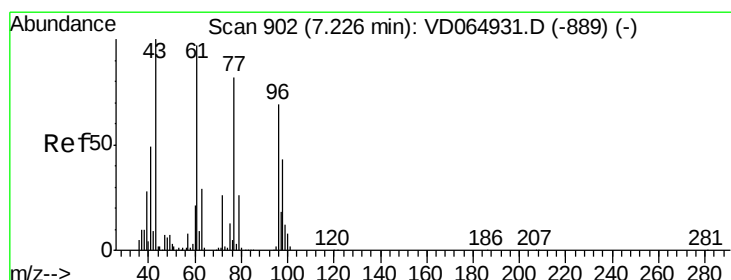
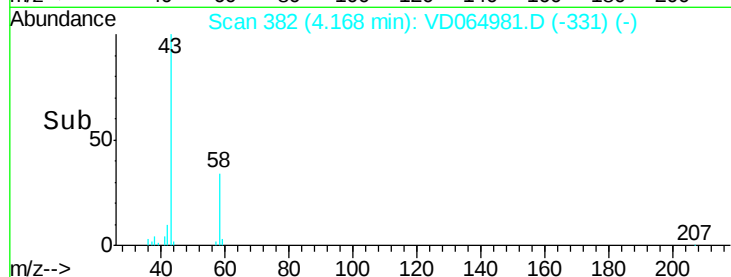
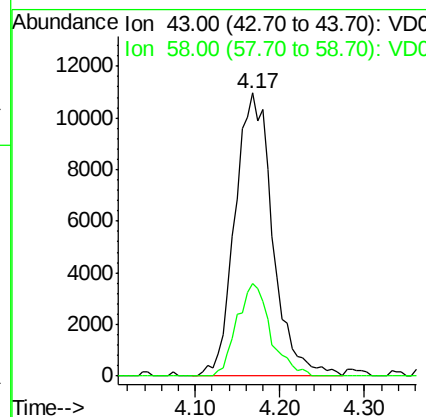
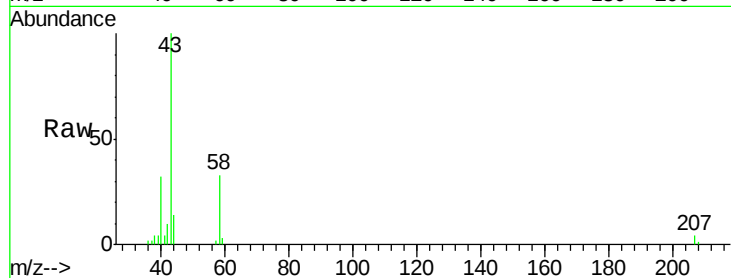
58 33.0 23.8 35.8

Manual Integrations

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#25

2-Butanone

Concen: 9.979 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064981.D

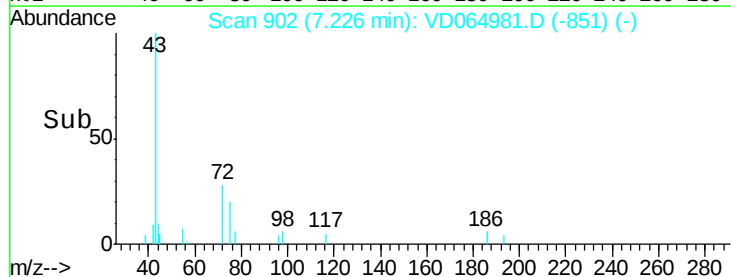
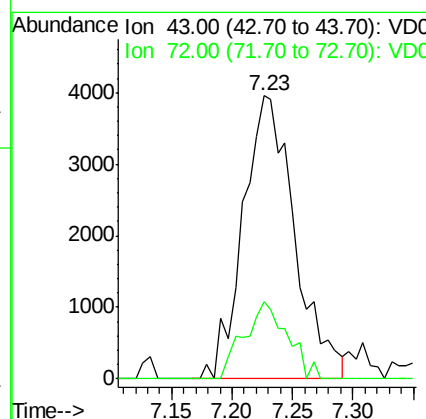
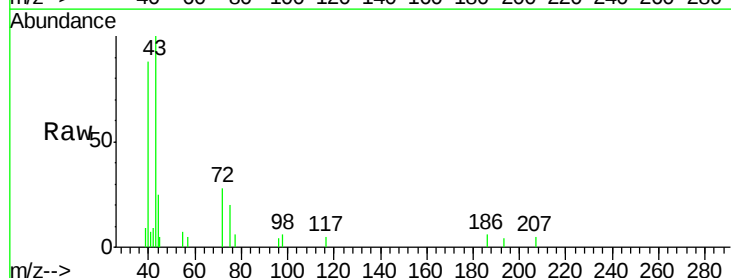
Acq: 28 Jan 2020 16:19

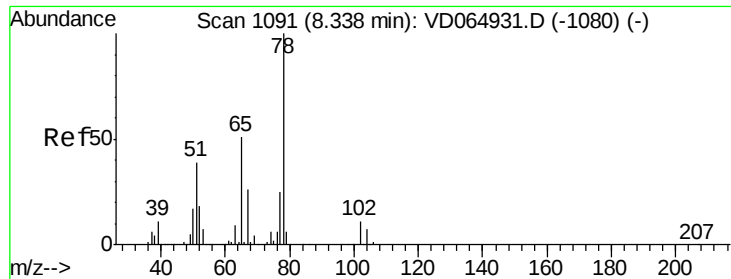
Tgt Ion: 43 Resp: 11727

Ion Ratio Lower Upper

43 100

72 27.5 20.6 31.0





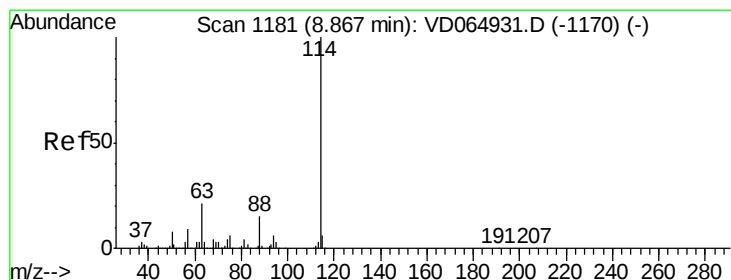
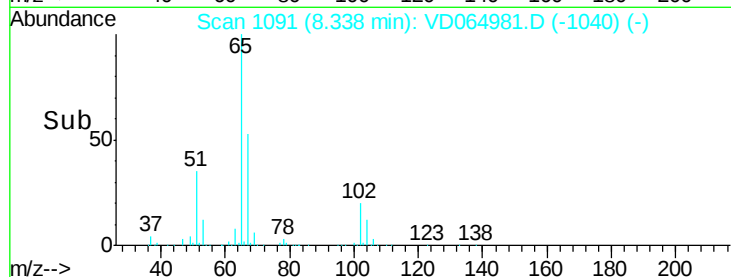
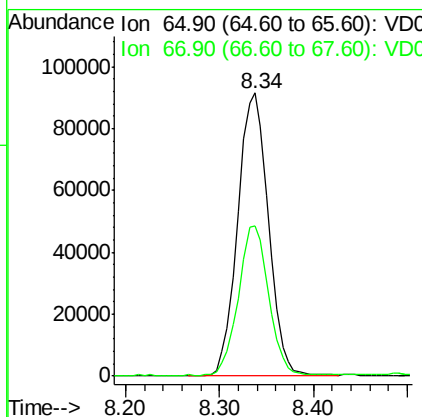
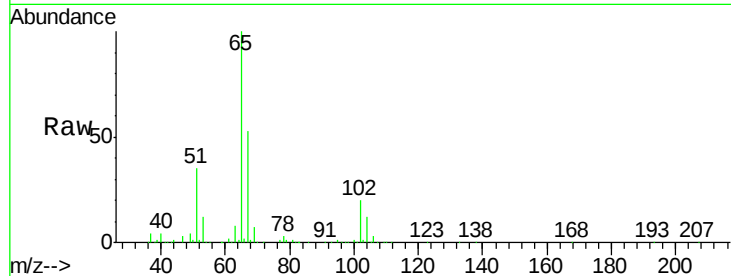
#33
 1,2-Dichloroethane-d4
 Concen: 47.687 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064981.D
 Acq: 28 Jan 2020 16:19

Instrument :
 MSVOA_D
 ClientSampleId :
 AOC-3-EXC-PIT-(5)-B

Tot Ion	Ratio	Resp	Lower	Upper
65	100	207437		
67	52.9	0.0	103.6	

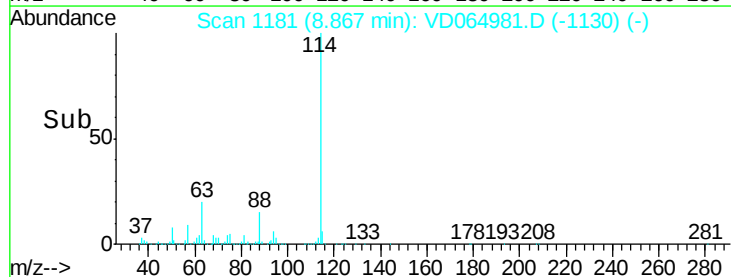
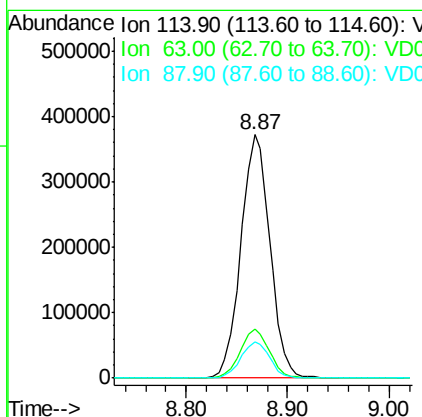
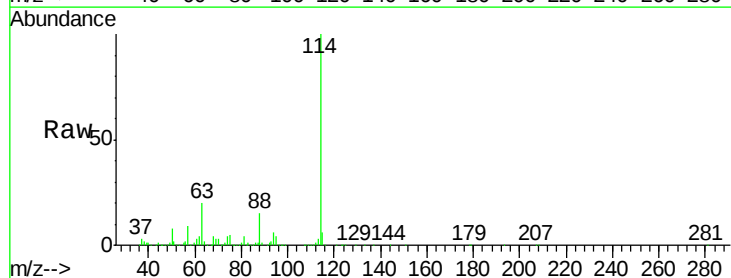
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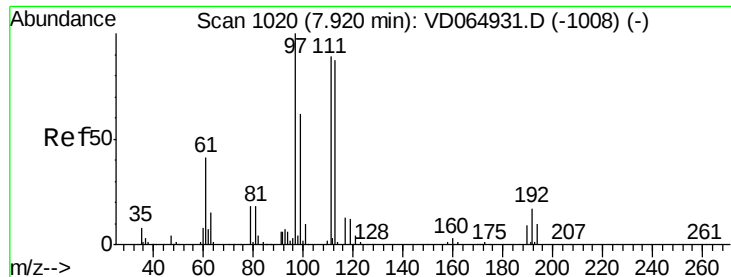
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064981.D
 Acq: 28 Jan 2020 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	739506		
63	20.1	0.0	42.0	
88	15.0	0.0	29.4	





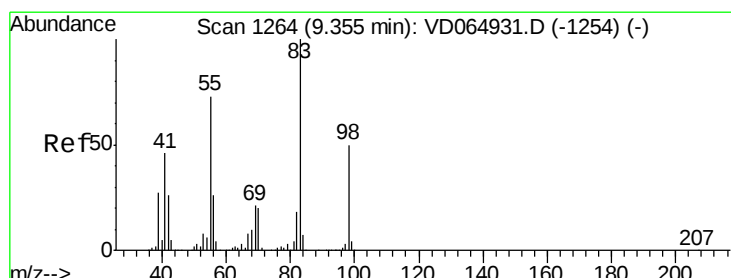
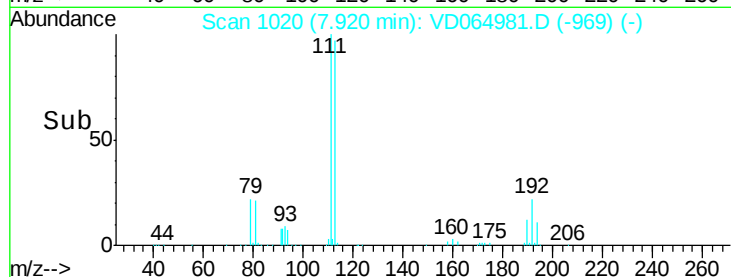
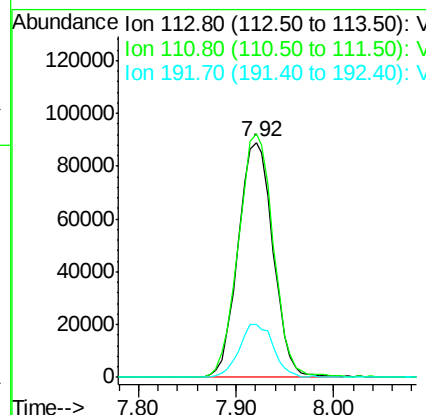
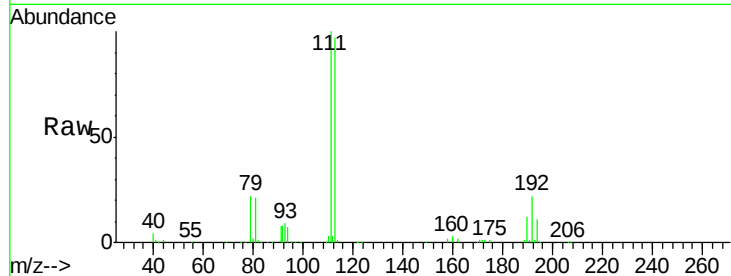
#35
Dibromofluoromethane
Concen: 47.684 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064981.D
Acq: 28 Jan 2020 16:19

Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-B

Tot Ion	Ratio	Resp	Lower	Upper
113	100	221594		
111	103.7	82.4	123.6	
192	22.4	16.9	25.3	

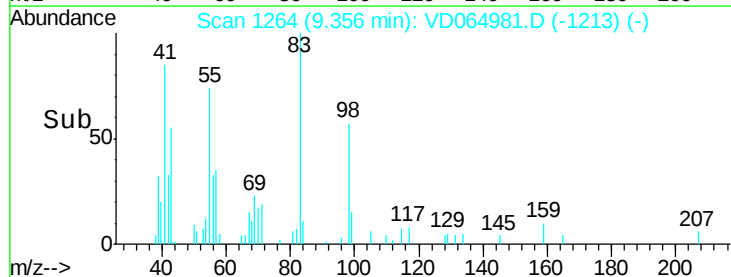
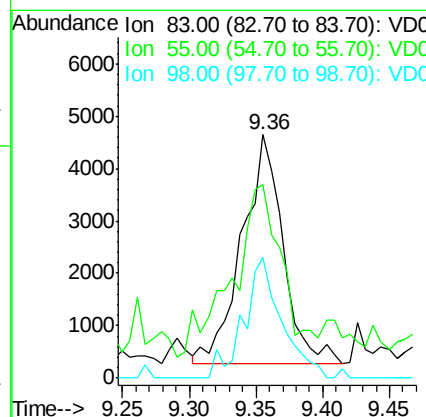
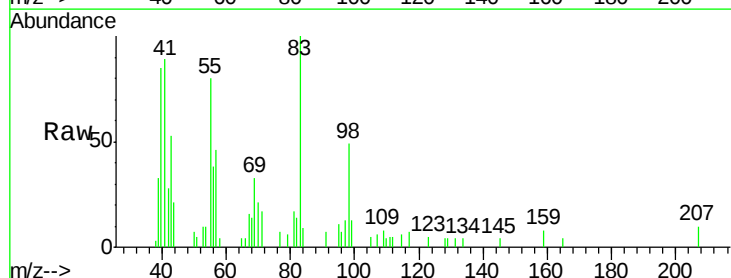
Manual Integrations
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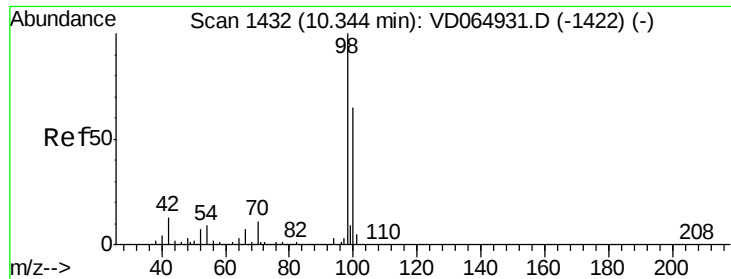
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#39
Methylcyclohexane
Concen: 1.119 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064981.D
Acq: 28 Jan 2020 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	9325		
55	67.0	58.7	88.1	
98	52.4	40.2	60.2	





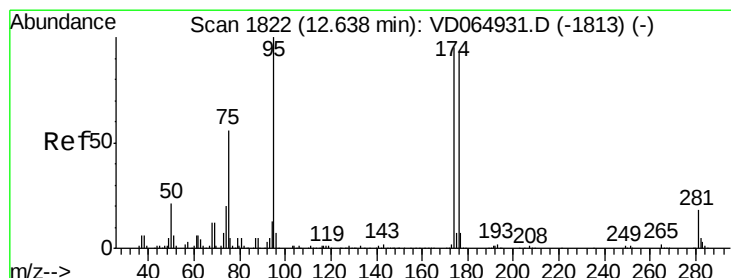
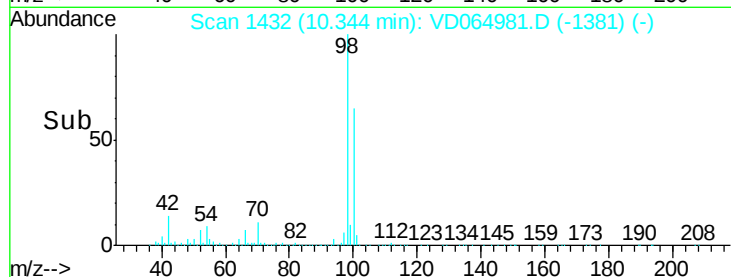
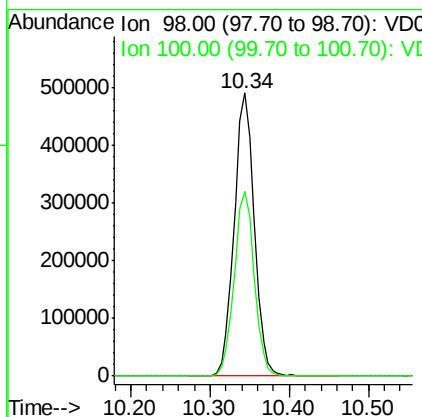
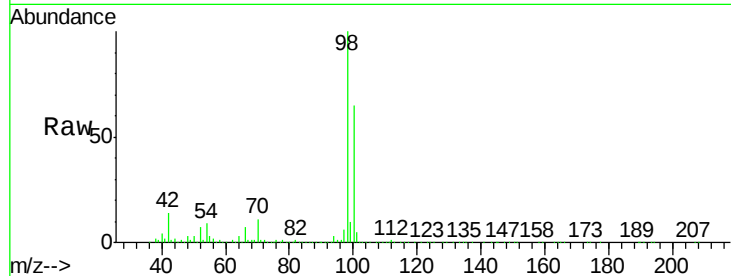
#50
Toluene-d8
Concen: 48.365 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064981.D
Acq: 28 Jan 2020 16:19

Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-B

Tot Ion: 98 Resp: 867484
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5

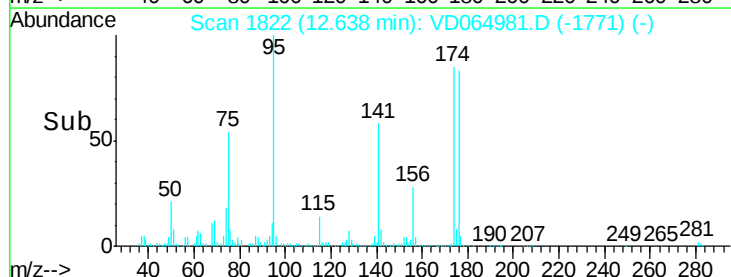
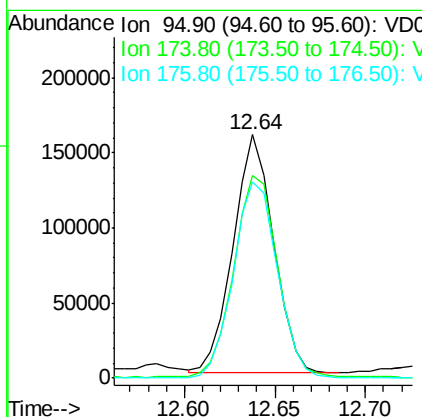
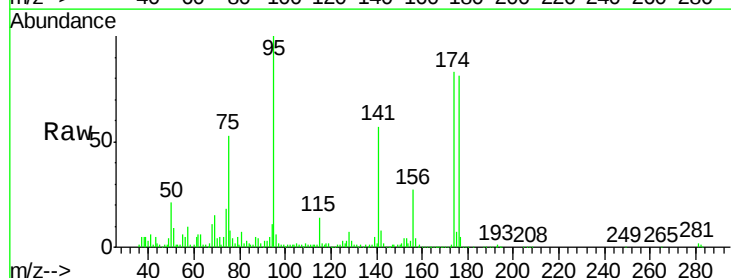
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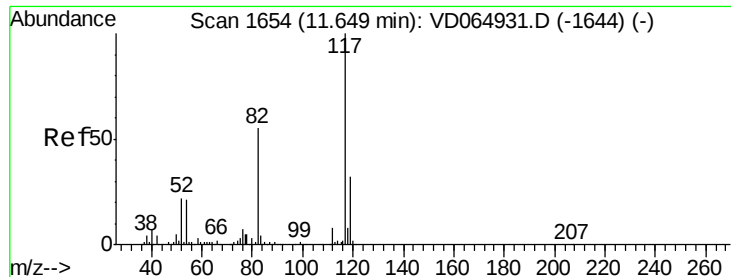
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#62
4-Bromofluorobenzene
Concen: 44.723 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064981.D
Acq: 28 Jan 2020 16:19

Tgt Ion: 95 Resp: 245481
Ion Ratio Lower Upper
95 100
174 94.4 0.0 186.8
176 89.9 0.0 183.4





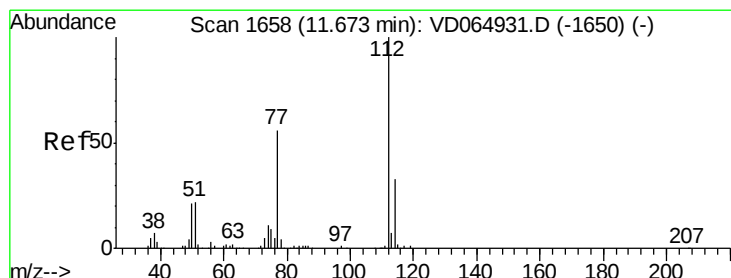
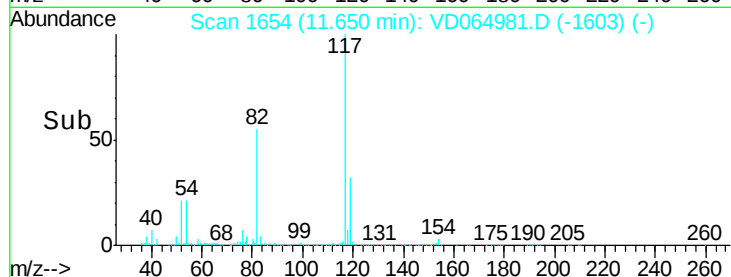
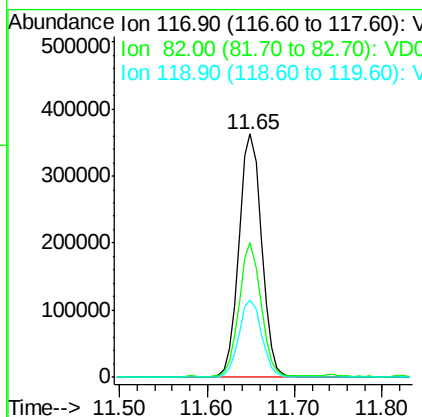
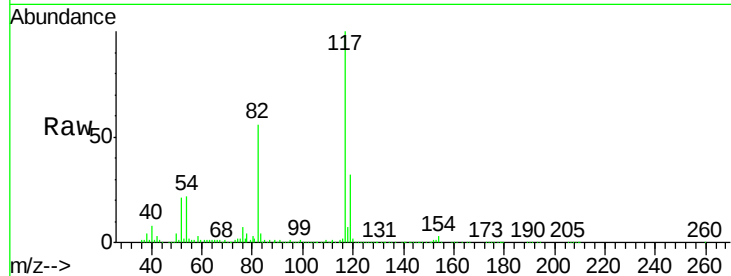
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064981.D
Acq: 28 Jan 2020 16:19

Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-B

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.6	65.4
119	31.9	25.2	37.8

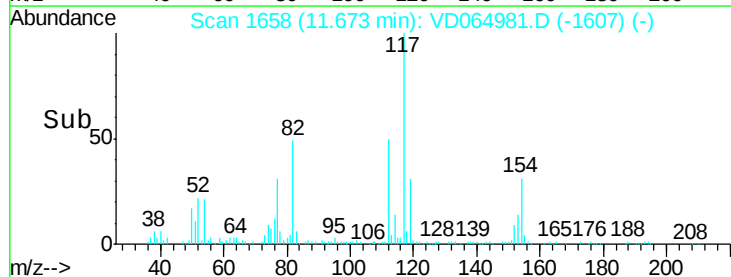
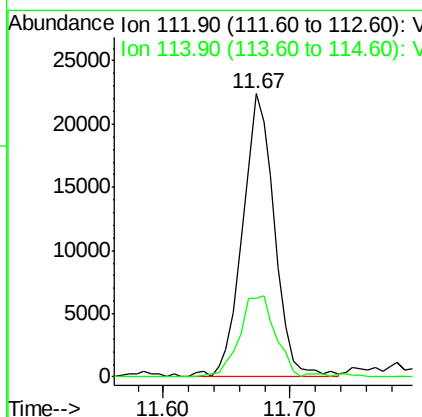
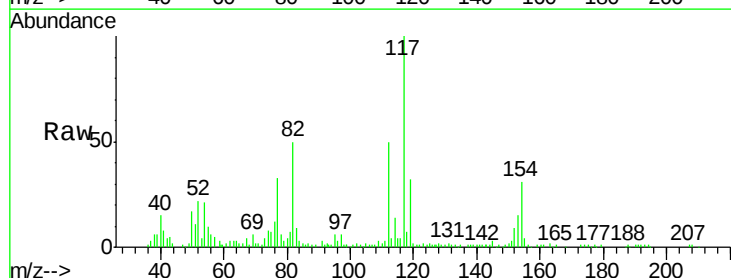
Manual Integrations
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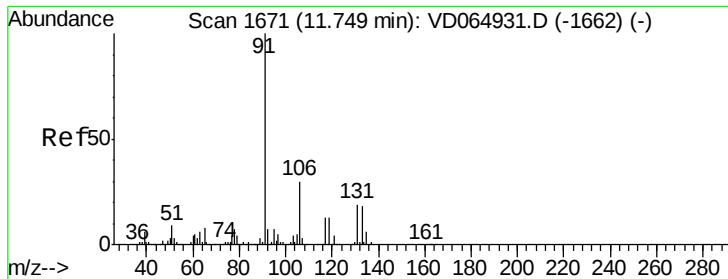
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#65
Chlorobenzene
Concen: 3.078 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064981.D
Acq: 28 Jan 2020 16:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	27.7	26.2	39.4





#67

Ethyl Benzene

Concen: 17.088 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064981.D

Acq: 28 Jan 2020 16:19

Instrument :

MSVOA_D

ClientSampleId :

AOC-3-EXC-PIT-(5)-B

Tot Ion: 91 Resp: 386205

Ion Ratio Lower Upper

91 100

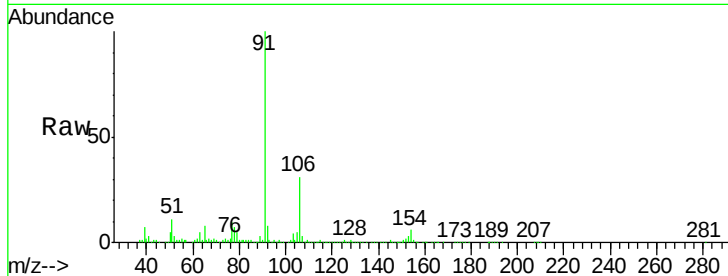
106 31.1 24.3 36.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD064931.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD064931.D (-1662) (-)

250000

200000

150000

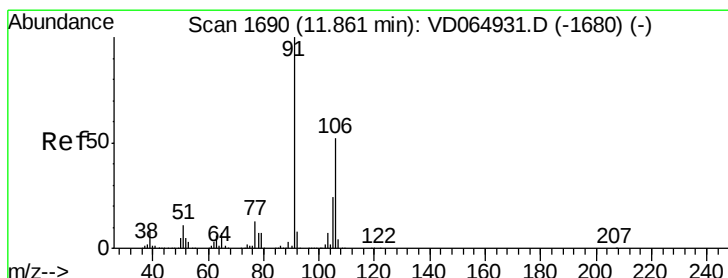
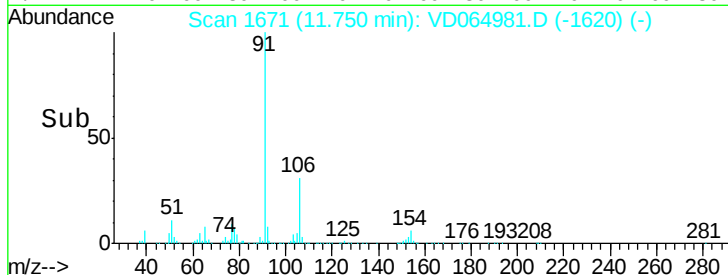
100000

50000

0

11.70 11.80

Time-->



#68

m/p-Xylenes

Concen: 4.774 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD064981.D

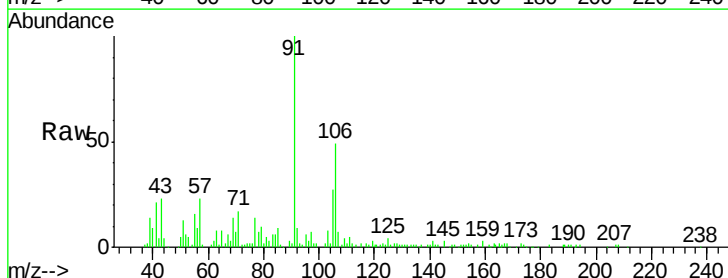
Acq: 28 Jan 2020 16:19

Tgt Ion: 106 Resp: 41546

Ion Ratio Lower Upper

106 100

91 201.5 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): VD064931.D (-1680) (-)

Ion 91.00 (90.70 to 91.70): VD064931.D (-1680) (-)

50000

40000

30000

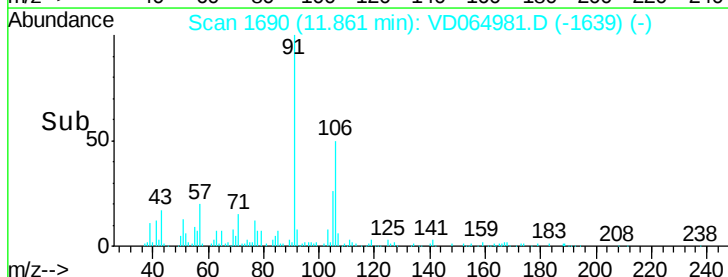
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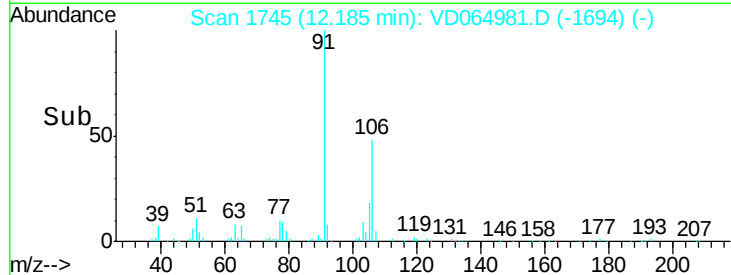
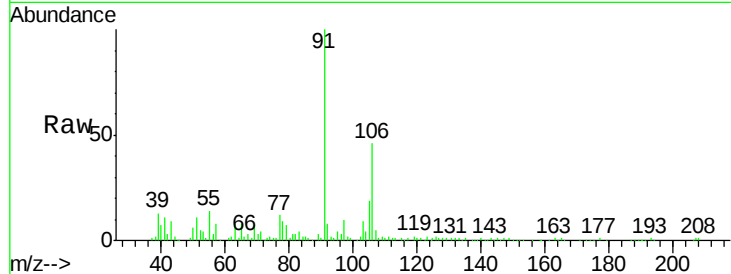
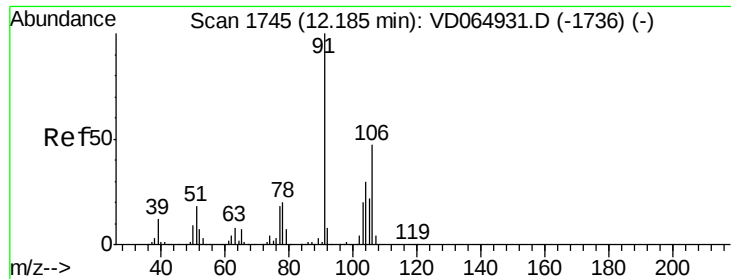
10000

0

11.80 11.85 11.90

Time-->





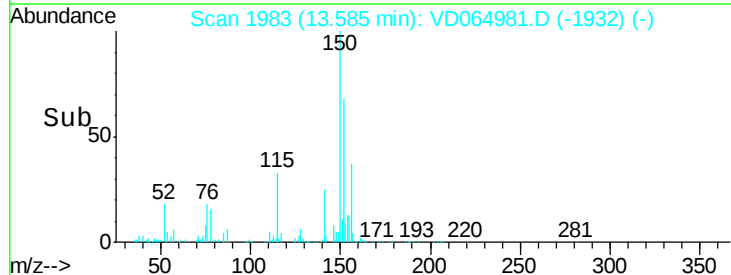
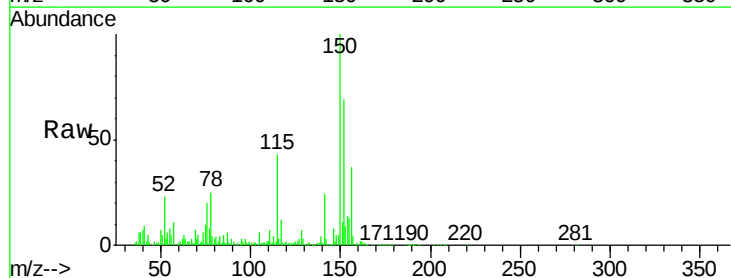
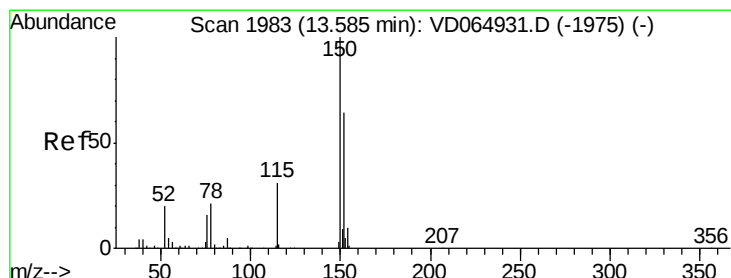
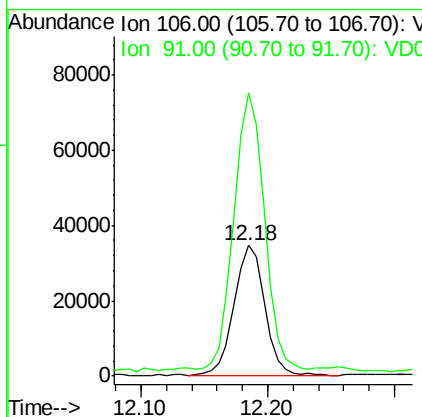
#69
o-Xylene
Concen: 7.450 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064981.D
Acq: 28 Jan 2020 16:19

Tot Ion:106 Resp: 57536
Ion Ratio Lower Upper
106 100
91 214.3 106.7 319.9

Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-B

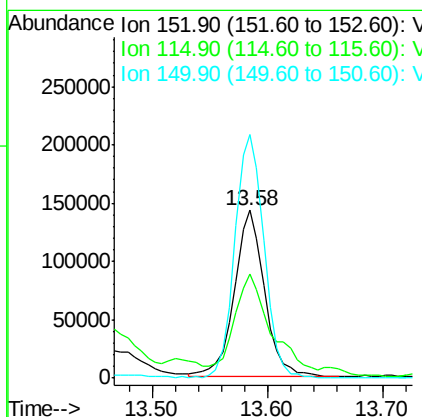
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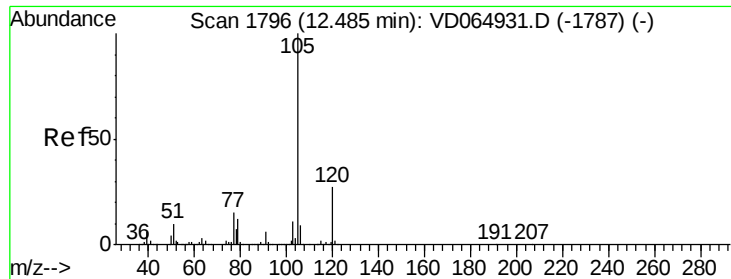
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064981.D
Acq: 28 Jan 2020 16:19

Tgt Ion:152 Resp: 260373
Ion Ratio Lower Upper
152 100
115 64.3 28.1 84.4
150 139.9 0.0 350.4





#73

Isopropylbenzene

Concen: 26.492 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064981.D

Acq: 28 Jan 2020 16:19

Instrument :

MSVOA_D

ClientSampleId :

AOC-3-EXC-PIT-(5)-B

Tot Ion: 105 Resp: 471452

Ion Ratio Lower Upper

105 100

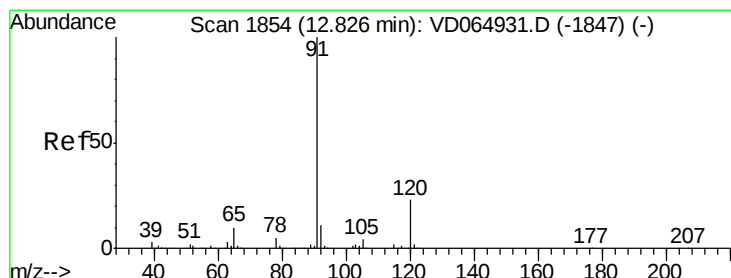
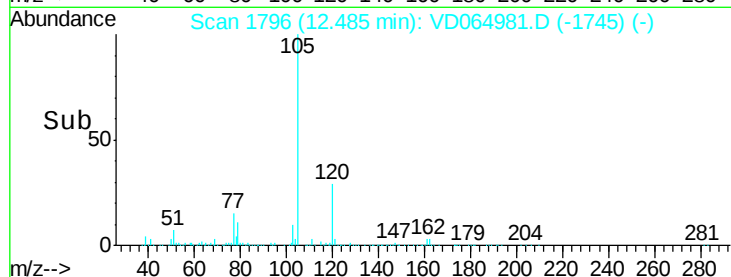
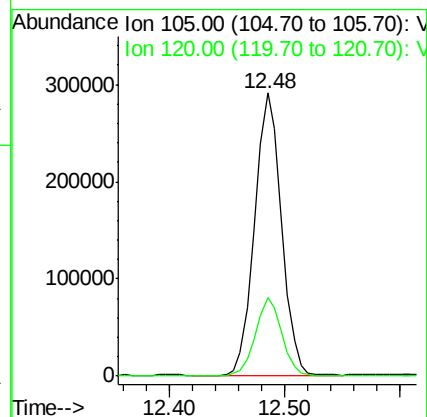
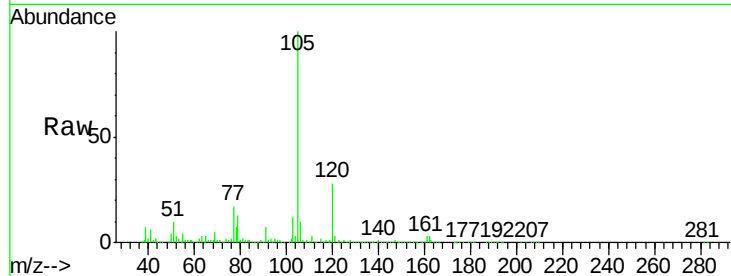
120 27.3 13.3 39.8

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#78

n-propylbenzene

Concen: 6.331 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064981.D

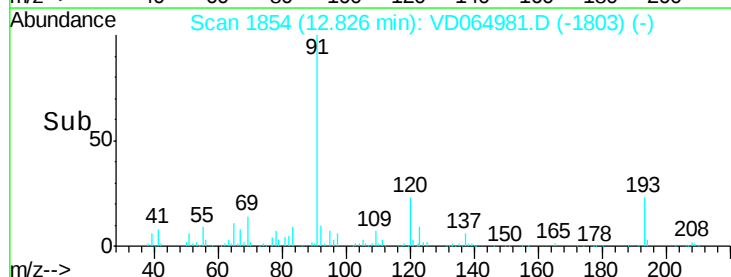
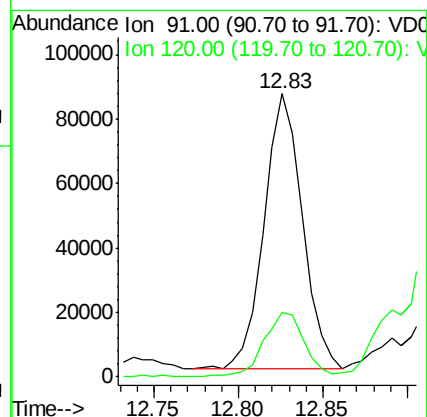
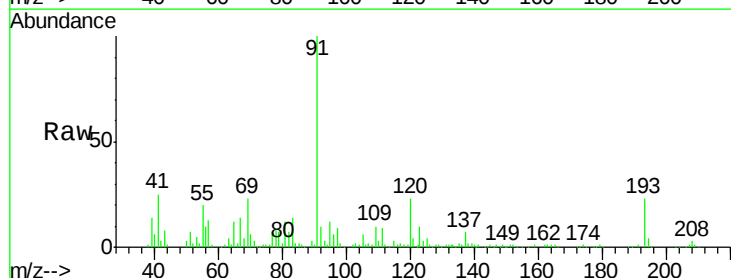
Acq: 28 Jan 2020 16:19

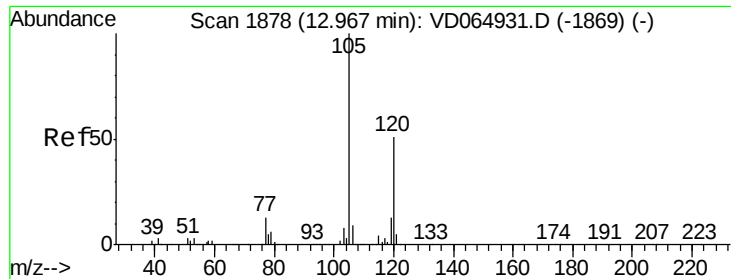
Tgt Ion: 91 Resp: 133980

Ion Ratio Lower Upper

91 100

120 24.0 11.7 35.1





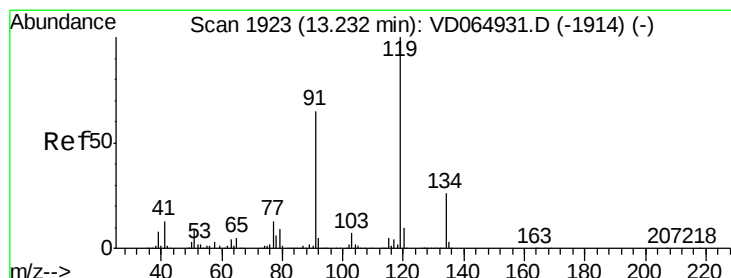
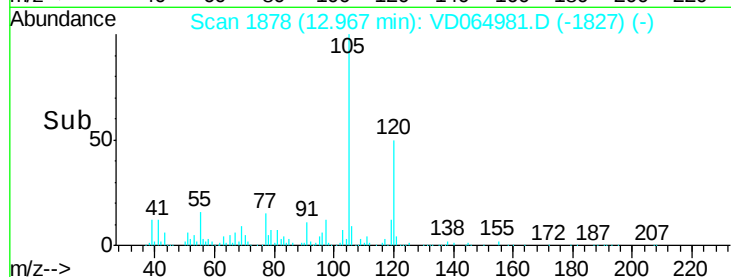
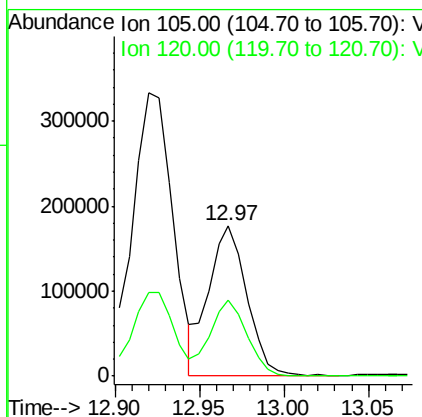
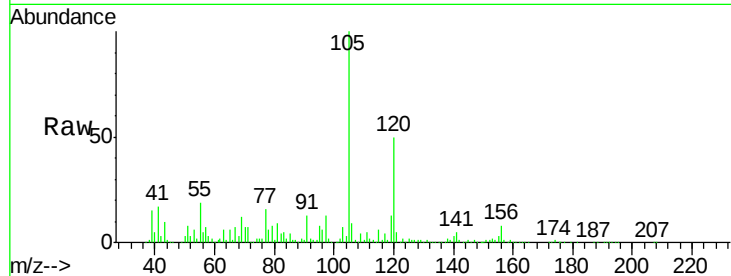
#80
1,3,5-Trimethylbenzene
Concen: 18.873 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064981.D
Acq: 28 Jan 2020 16:19

Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-B

Tot Ion:105 Resp: 275242
Ion Ratio Lower Upper
105 100
120 49.6 25.6 76.8

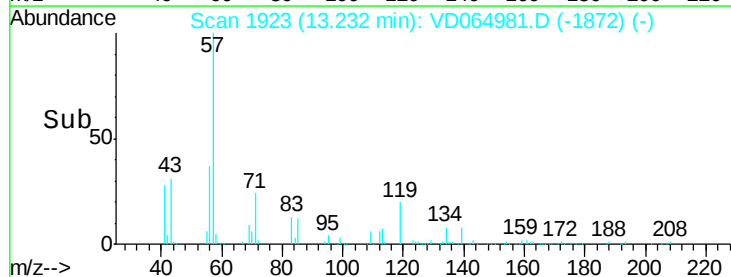
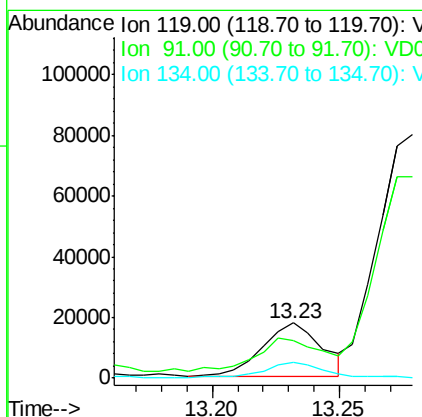
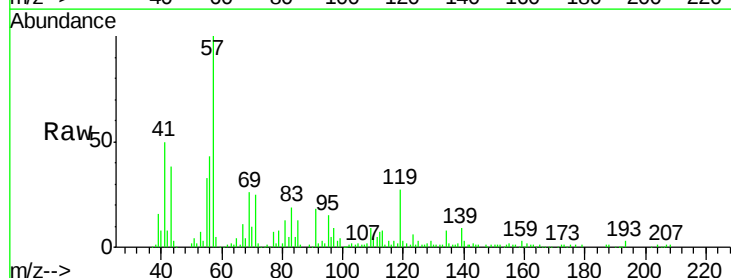
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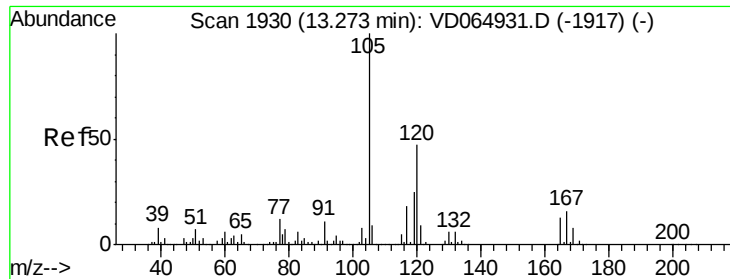
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#83
tert-Butylbenzene
Concen: 2.336 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064981.D
Acq: 28 Jan 2020 16:19

Tgt Ion:119 Resp: 28910
Ion Ratio Lower Upper
119 100
91 67.5 32.0 96.0
134 28.3 13.9 41.6





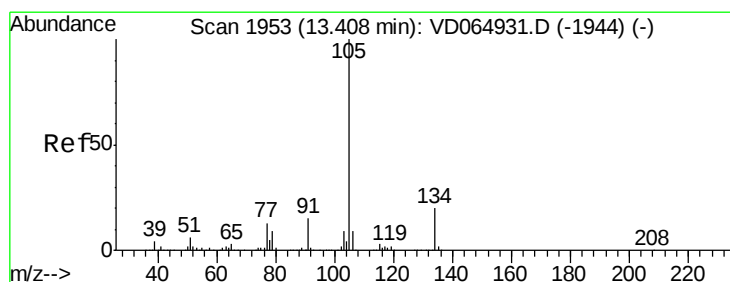
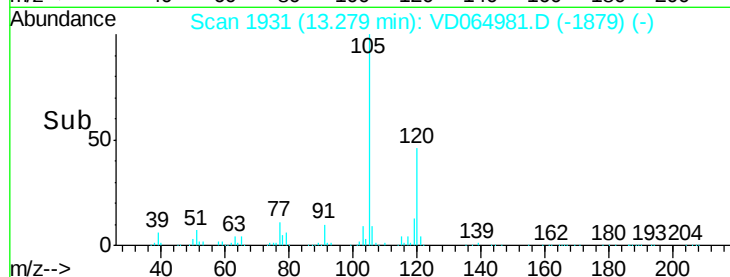
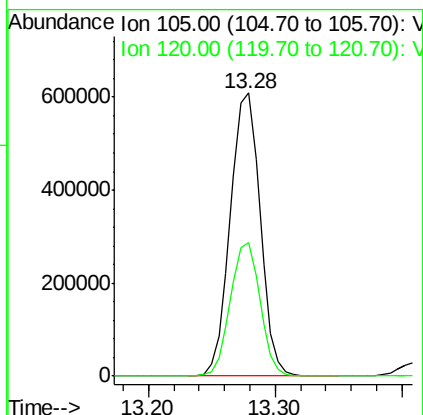
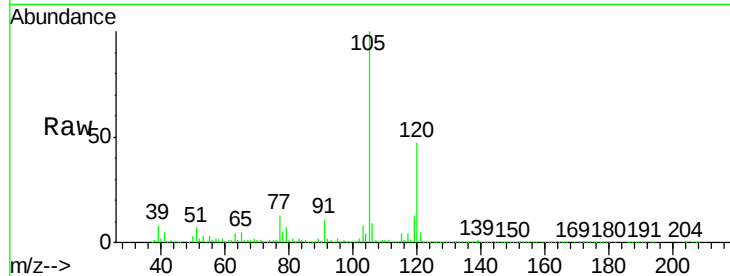
#84
1,2,4-Trimethylbenzene
Concen: 66.751 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064981.D
Acq: 28 Jan 2020 16:19

Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-B

Tot Ion:105 Resp: 986160
Ion Ratio Lower Upper
105 100
120 47.3 23.1 69.3

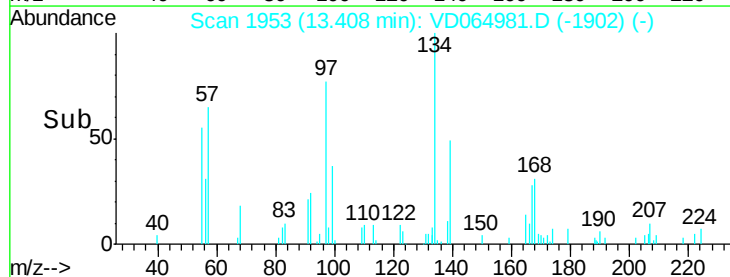
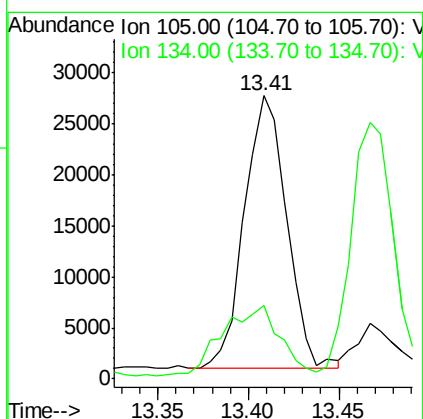
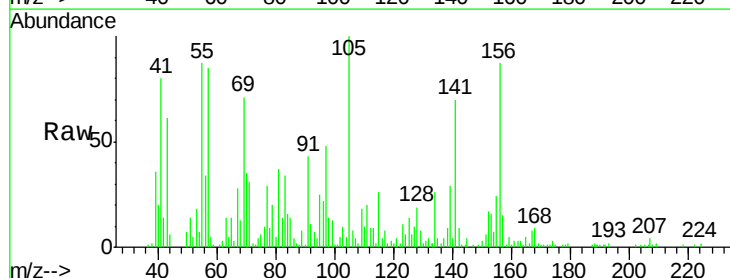
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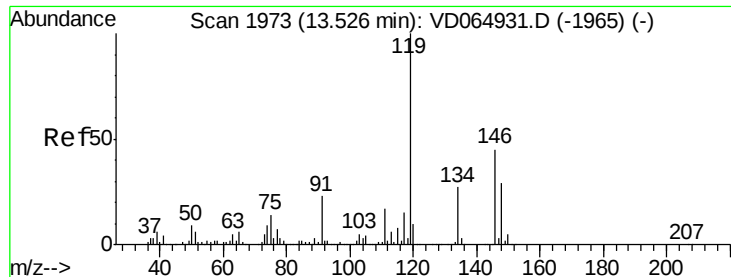
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#85
sec-Butylbenzene
Concen: 2.483 ug/l
RT: 13.41 min Scan# 1953
Delta R.T. 0.00 min
Lab File: VD064981.D
Acq: 28 Jan 2020 16:19

Tgt Ion:105 Resp: 43515
Ion Ratio Lower Upper
105 100
134 35.5 10.4 31.4#





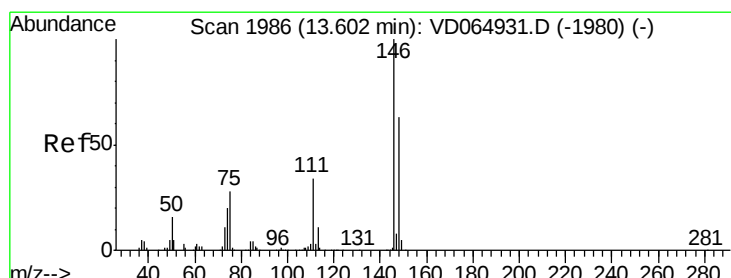
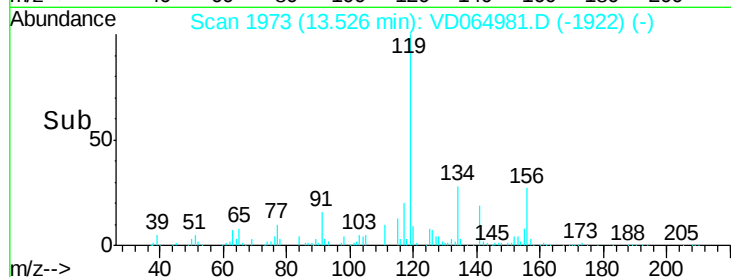
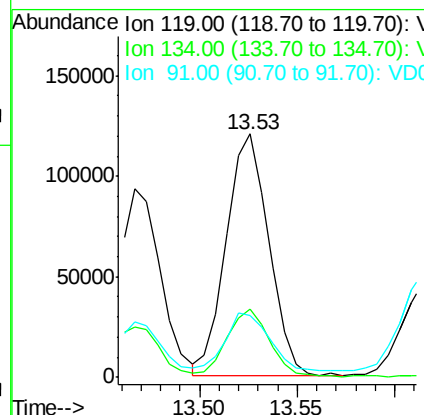
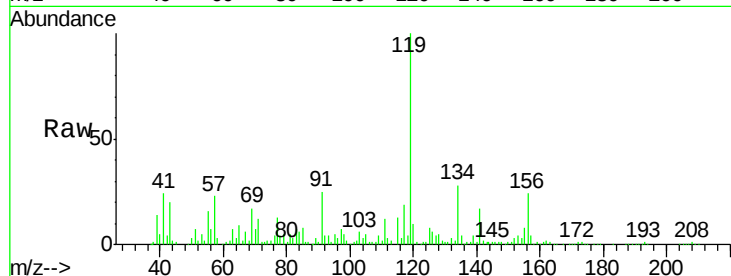
#86
p-Isopropyltoluene
Concen: 11.057 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD064981.D
Acq: 28 Jan 2020 16:19

Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-B

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.8	13.3	39.9
91	24.4	11.4	34.2

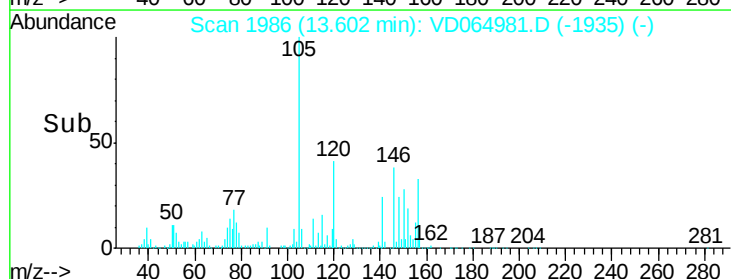
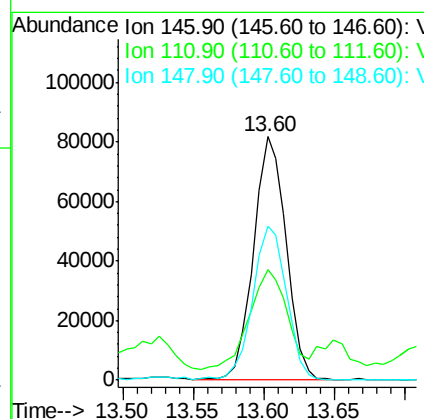
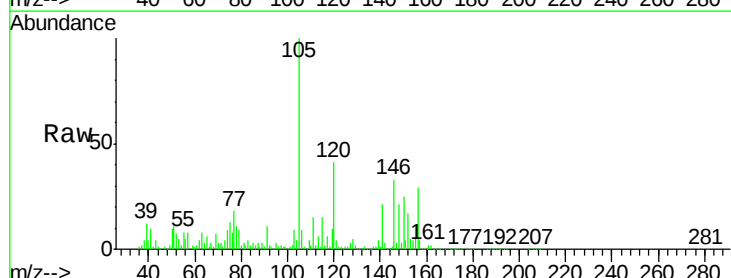
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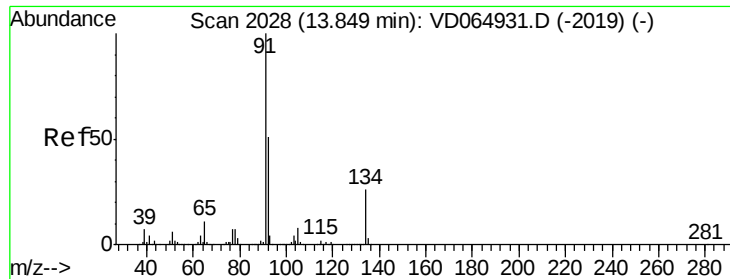
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#88
1,4-Dichlorobenzene
Concen: 16.091 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VD064981.D
Acq: 28 Jan 2020 16:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.5	18.2	54.6
148	65.4	32.0	96.0





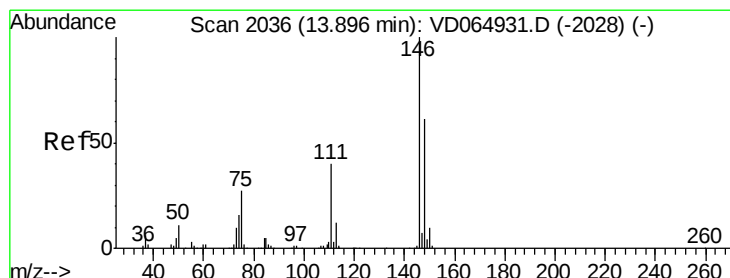
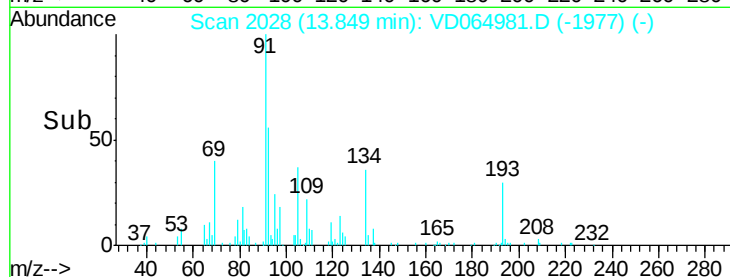
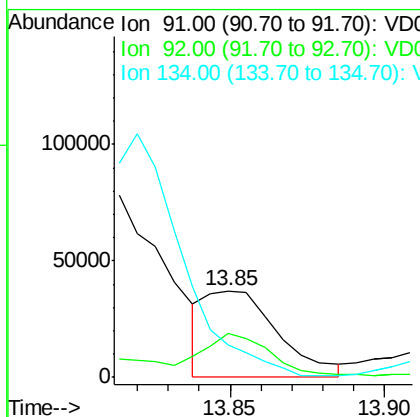
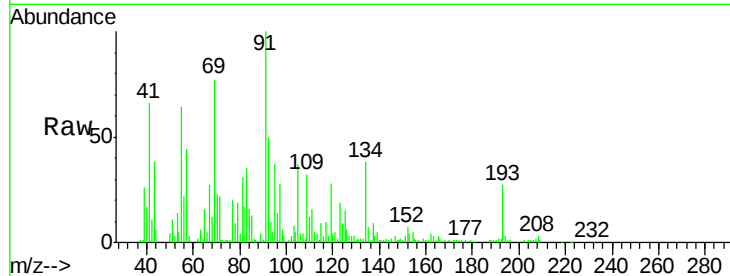
#89
n-Butylbenzene
Concen: 4.063 ug/l m
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064981.D
Acq: 28 Jan 2020 16:19

Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-B

Tot Ion	Ratio	Lower	Upper
91	100		
92	231.9	26.4	79.0#
134	0.0	13.3	39.9#

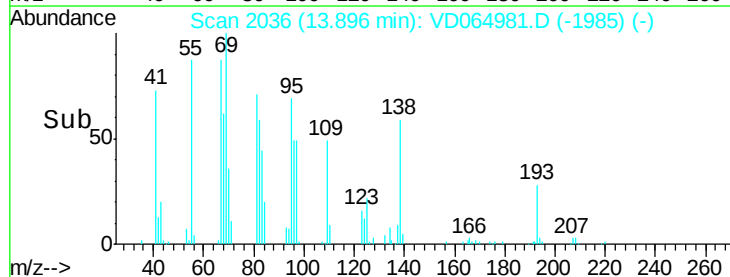
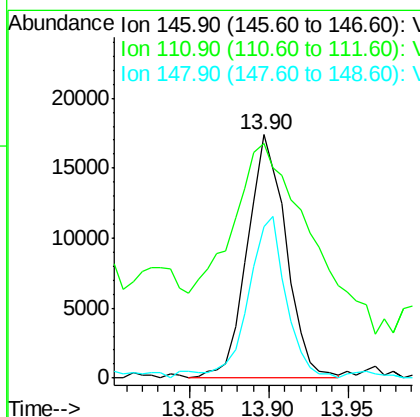
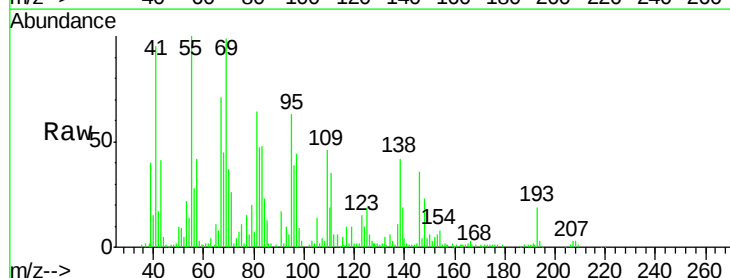
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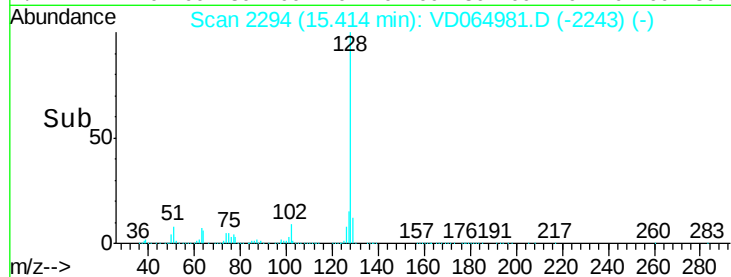
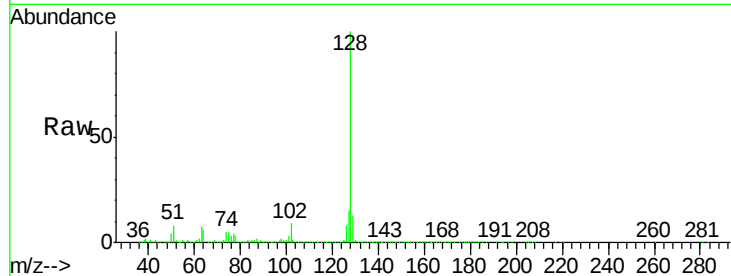
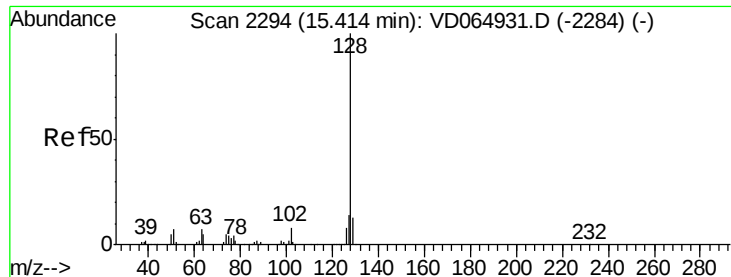
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#91
1,2-Dichlorobenzene
Concen: 4.182 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VD064981.D
Acq: 28 Jan 2020 16:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	162.0	19.4	58.2#
148	63.4	31.6	95.0





#95

Naphthalene

Concen: 1580.113 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064981.D

Acq: 28 Jan 2020 16:19

Tot Ion:128 Resp:12513070

Ion Ratio Lower Upper

128 100

127 14.3 10.6 15.8

129 11.9 9.3 13.9

Instrument :

MSVOA_D

ClientSampleId :

AOC-3-EXC-PIT-(5)-B

Manual Integrations

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