

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121319\
 Data File : VD064510.D
 Acq On : 13 Dec 2019 16:51
 Operator : VA/SY
 Sample : K6110-01
 Misc : 11.93G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-121219

Manual Integrations
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Quant Time: Dec 16 05:49:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	379730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	592860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	553891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	259409	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	167121	48.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.24%	
35) Dibromofluoromethane	7.91	113	184818	49.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.96%	
50) Toluene-d8	10.34	98	695084	49.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.64	95	240066	53.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.18%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	16649	23.970	ug/l	96
30) Chloroform	7.71	83	17458	2.658	ug/l	92
67) Ethyl Benzene	11.74	91	30776	1.497	ug/l	95
68) m/p-Xylenes	11.86	106	17316	2.209	ug/l	95
69) o-Xylene	12.18	106	38075	5.260	ug/l	97
73) Isopropylbenzene	12.48	105	34619	1.856	ug/l	96
78) n-propylbenzene	12.83	91	86392	4.013	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	131793	8.644	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	99496	6.490	ug/l	99
85) sec-Butylbenzene	13.41	105	78892	4.337	ug/l	90
86) p-Isopropyltoluene	13.52	119	49674	2.892	ug/l	98
89) n-Butylbenzene	13.85	91	86038m	5.516	ug/l	

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

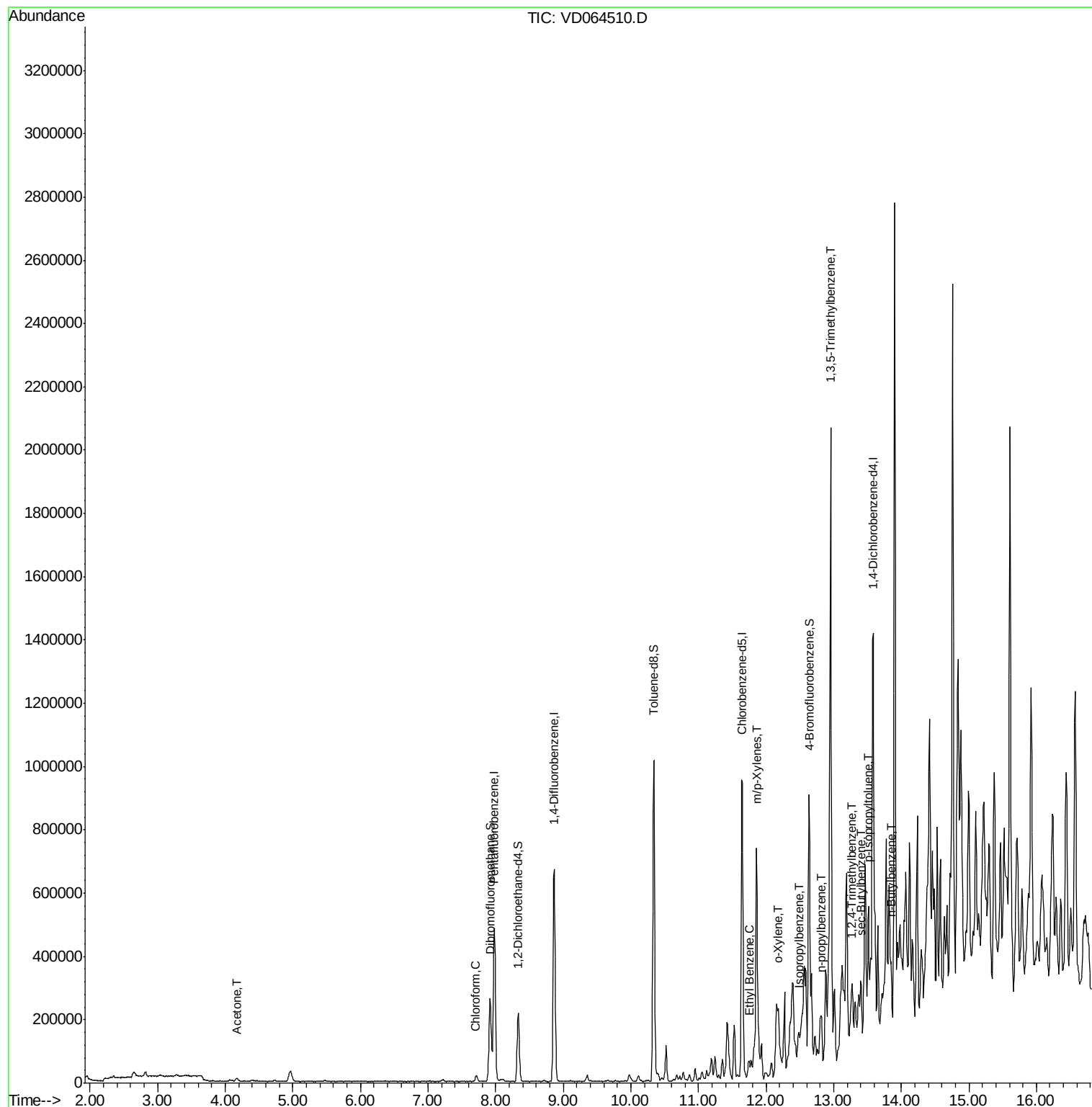
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121319\
Data File : VD064510.D
Acq On : 13 Dec 2019 16:51
Operator : VA/SY
Sample : K6110-01
Misc : 11.93G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

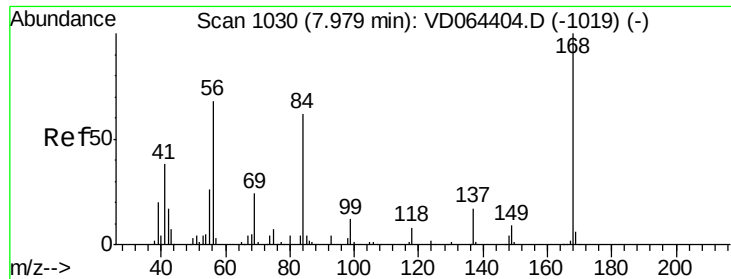
Instrument :
MSVOA_D
ClientSampleId :
HD-02-121219

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Quant Time: Dec 16 05:49:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064510.D

Acq: 13 Dec 2019 16:51

Instrument :

MSVOA_D

ClientSampleId :

HD-02-121219

Tot Ion:168 Resp: 379730

Ion Ratio Lower Upper

168 100

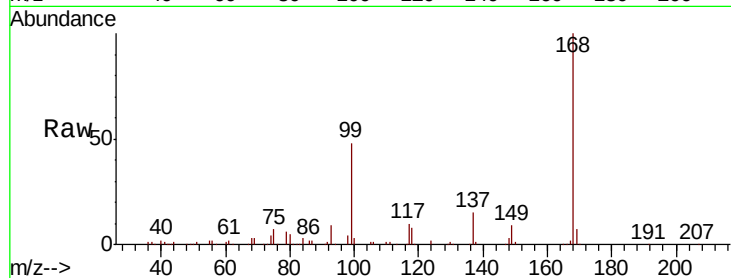
99 47.9 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

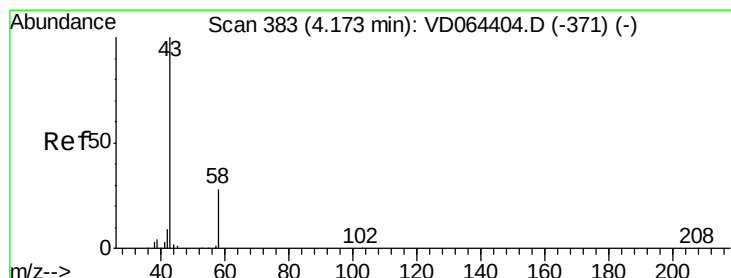
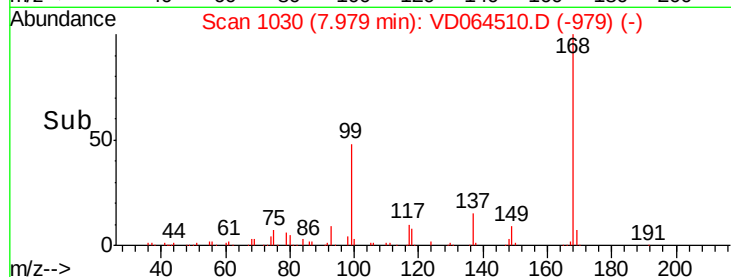
100000

50000

0

7.90 8.00 8.10

Time-->



#16

Acetone

Concen: 23.970 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.00 min

Lab File: VD064510.D

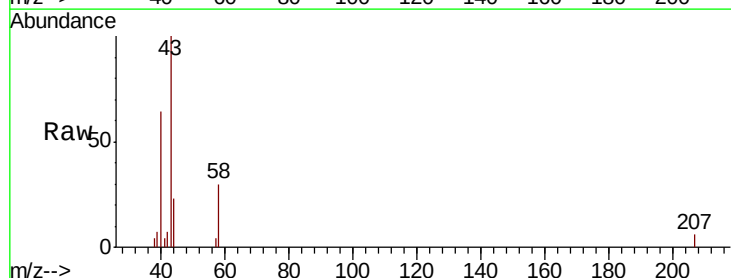
Acq: 13 Dec 2019 16:51

Tgt Ion: 43 Resp: 16649

Ion Ratio Lower Upper

43 100

58 30.4 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

6000

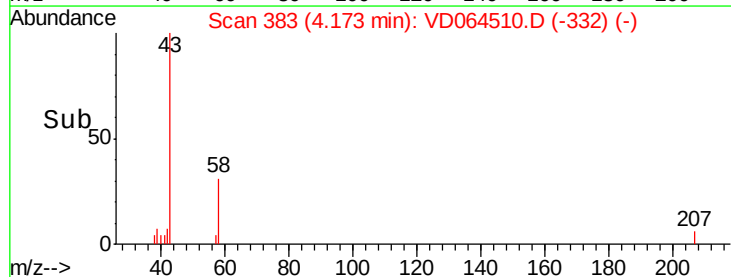
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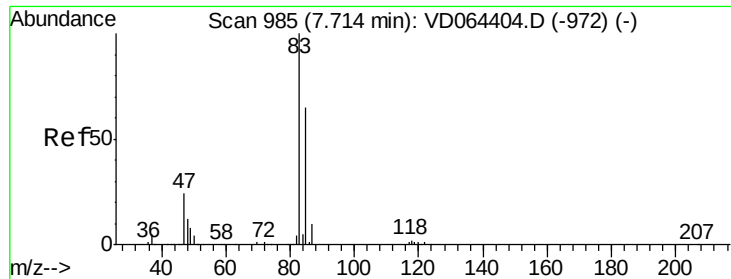
2000

0

4.10 4.20 4.30

Time-->





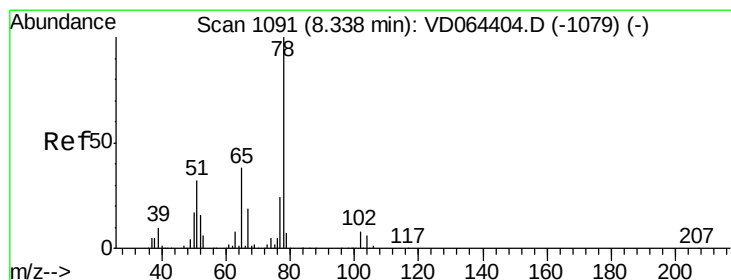
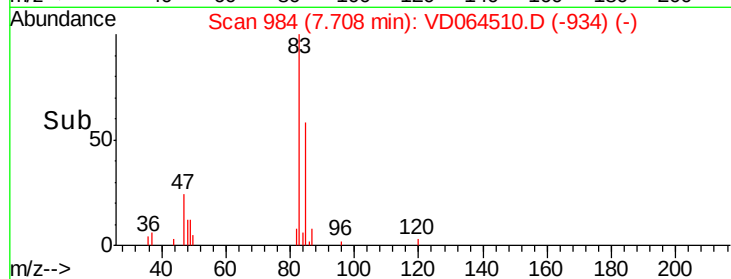
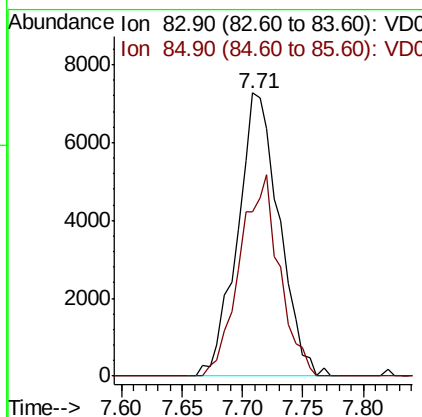
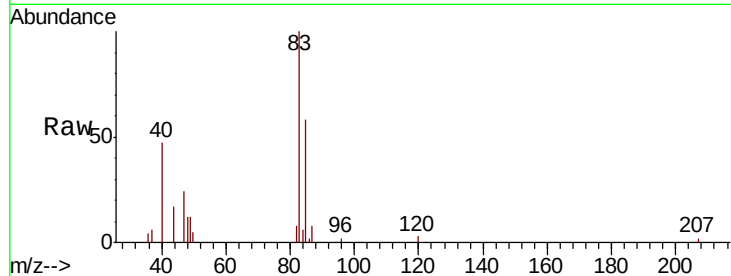
#30
Chloroform
Concen: 2.658 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064510.D
Acq: 13 Dec 2019 16:51

Instrument :
MSVOA_D
ClientSampleId :
HD-02-121219

Tot Ion	83	Resp	17458
Ion Ratio	100	Lower	Upper
85	58.1	51.8	77.6

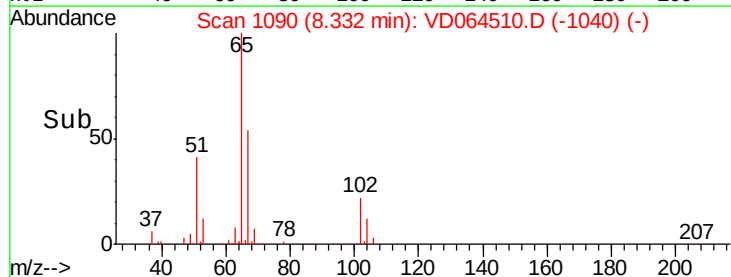
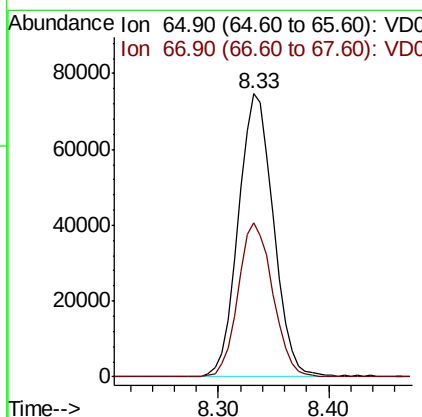
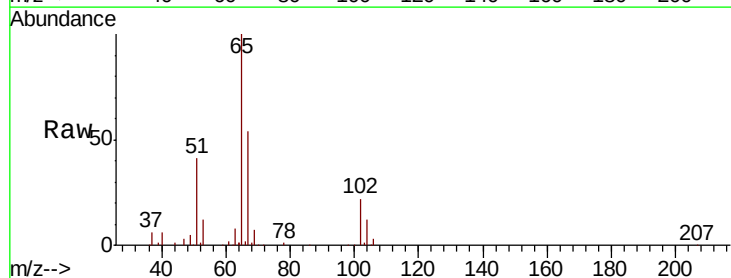
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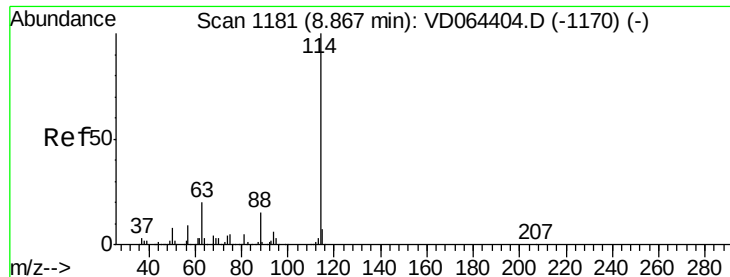
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#33
1,2-Dichloroethane-d4
Concen: 48.623 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064510.D
Acq: 13 Dec 2019 16:51

Tgt Ion	65	Resp	167121
Ion Ratio	100	Lower	Upper
67	53.6	0.0	102.0





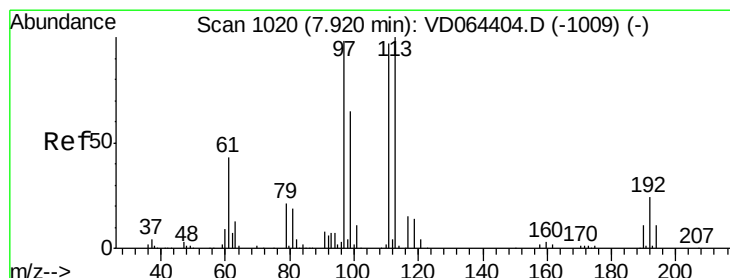
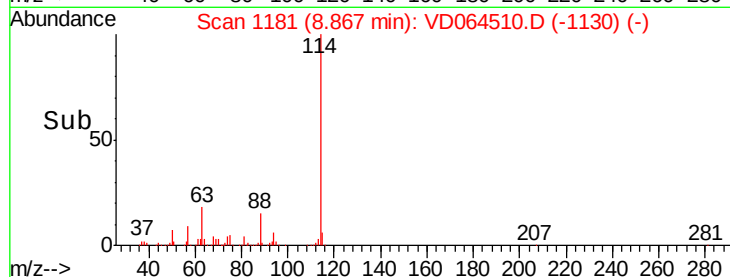
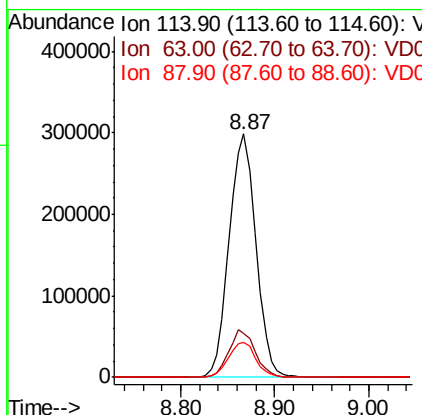
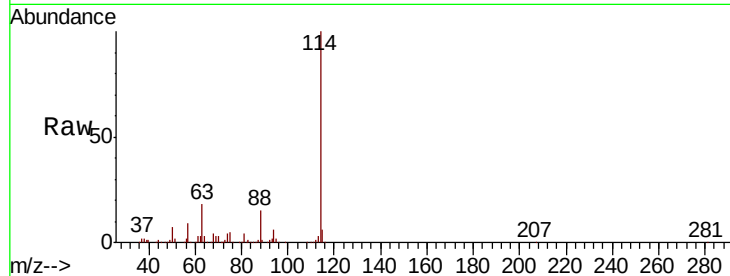
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064510.D
 Acq: 13 Dec 2019 16:51

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-121219

Tot Ion	Ratio	Resp	Lower	Upper
114	100	592860		
63	17.9		0.0	40.0
88	14.5		0.0	29.2

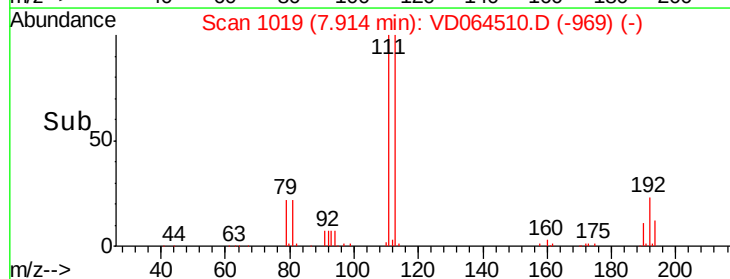
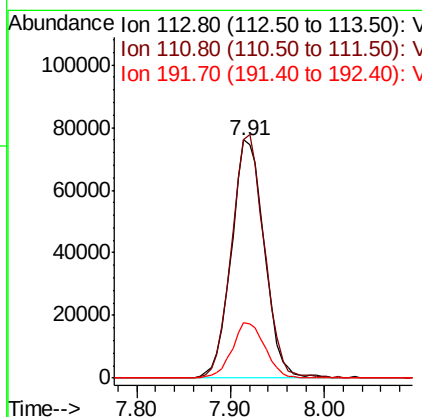
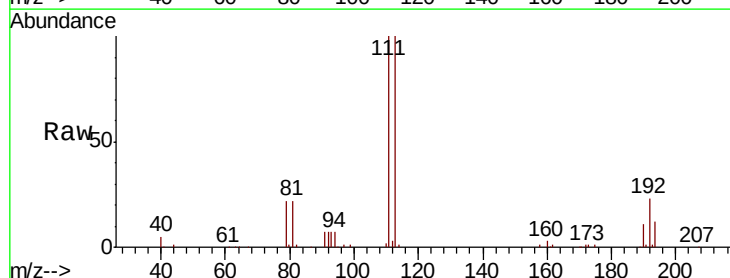
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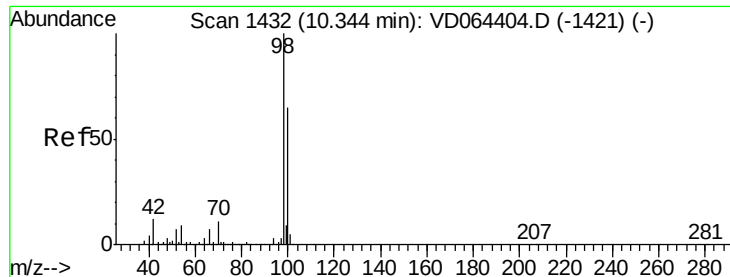
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#35
 Dibromofluoromethane
 Concen: 49.479 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064510.D
 Acq: 13 Dec 2019 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	184818		
111	101.2		79.4	119.2
192	23.0		18.6	28.0





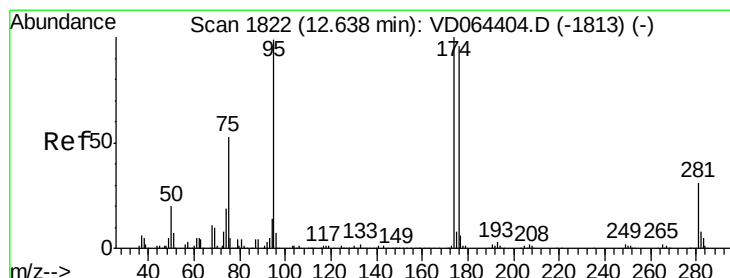
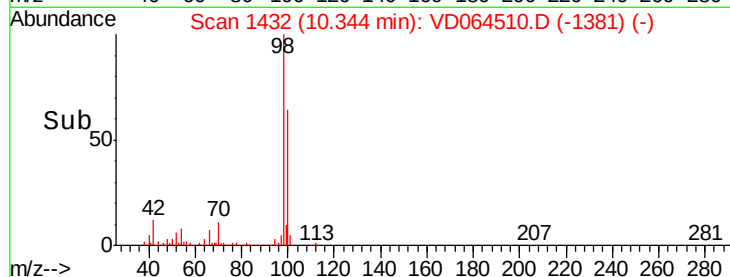
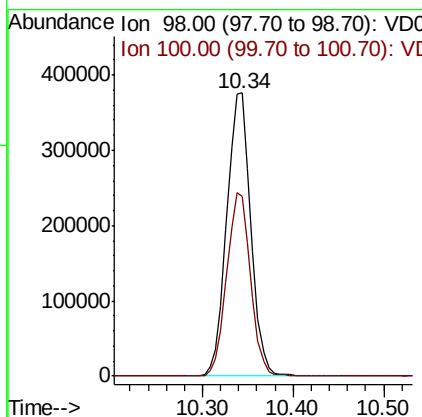
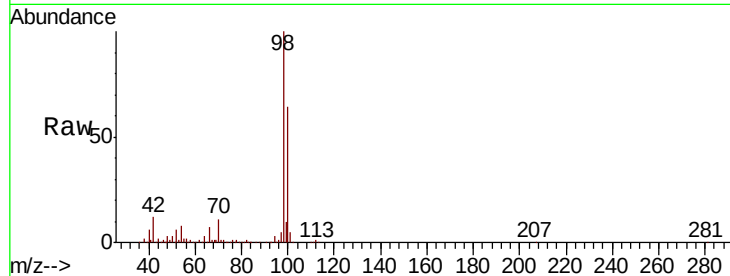
#50
Toluene-d8
Concen: 49.400 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064510.D
Acq: 13 Dec 2019 16:51

Instrument :
MSVOA_D
ClientSampleId :
HD-02-121219

Tot Ion	Ion	Ratio	Lower	Upper
98	100			
100	64.1	52.6	79.0	

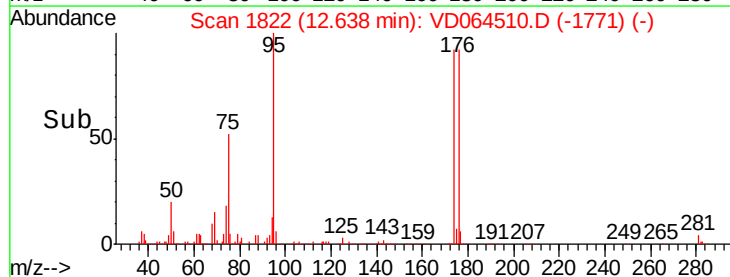
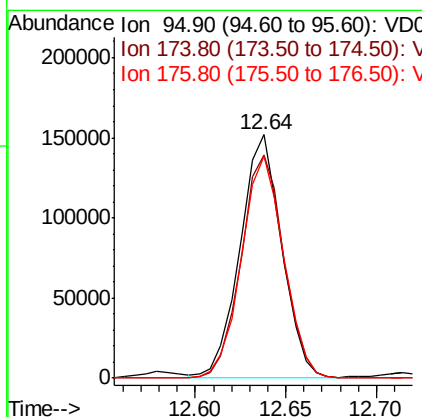
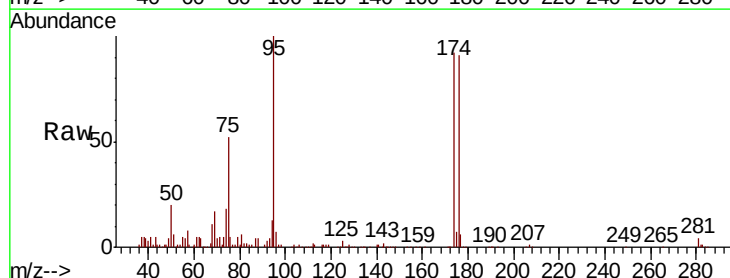
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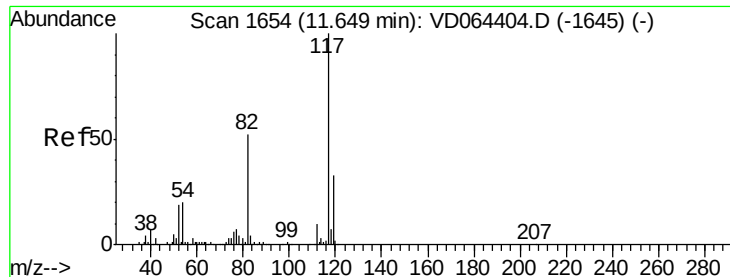
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#62
4-Bromofluorobenzene
Concen: 53.090 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064510.D
Acq: 13 Dec 2019 16:51

Tgt Ion	Ion	Ratio	Lower	Upper
95	100			
174	94.7	0.0	197.2	
176	93.1	0.0	189.6	





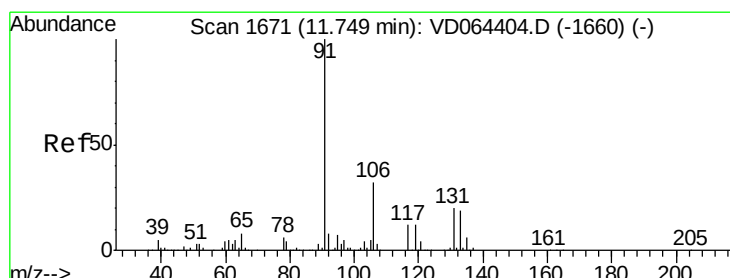
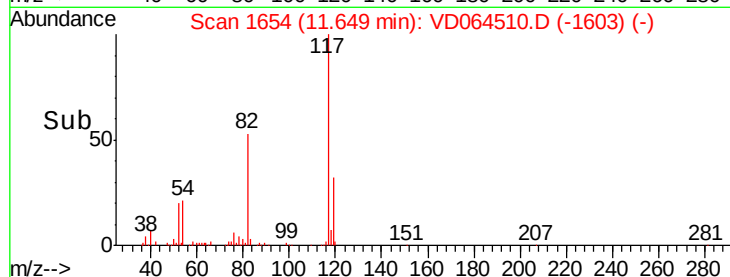
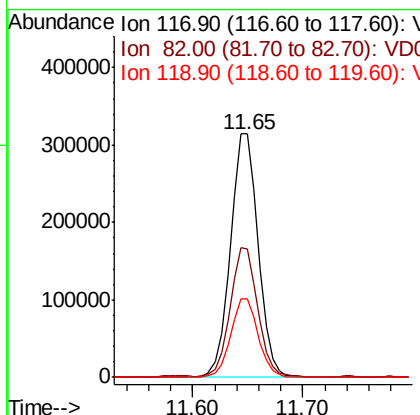
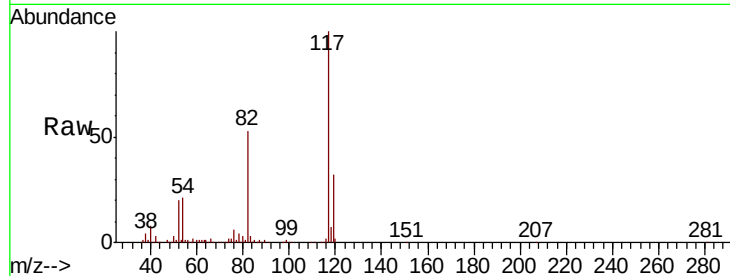
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064510.D
Acq: 13 Dec 2019 16:51

Instrument :
MSVOA_D
ClientSampleId :
HD-02-121219

Tot Ion	Ratio	Resp	Lower	Upper
117	100	553891		
82	52.4		41.4	62.2
119	32.3		26.2	39.2

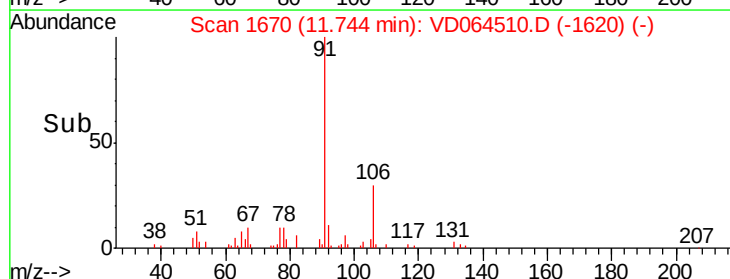
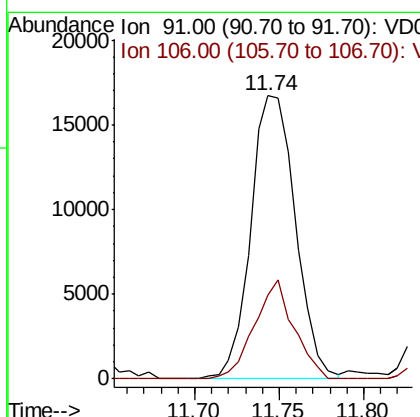
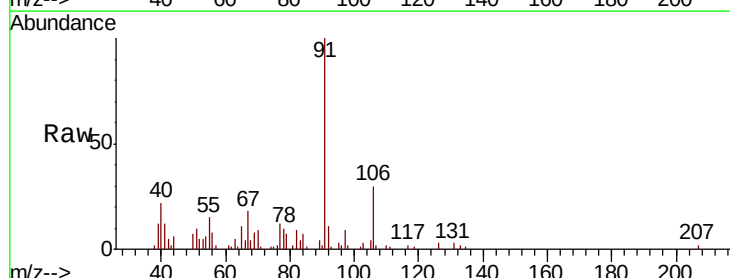
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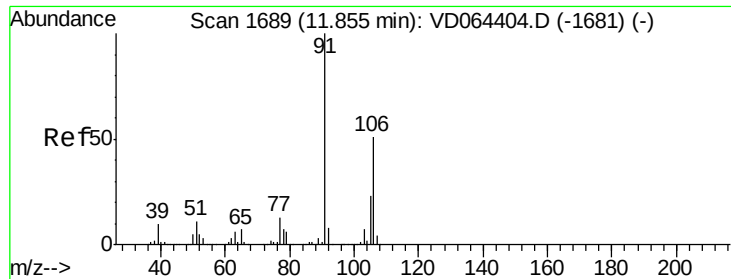
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#67
Ethyl Benzene
Concen: 1.497 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064510.D
Acq: 13 Dec 2019 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	30776		
106	29.8		25.8	38.8





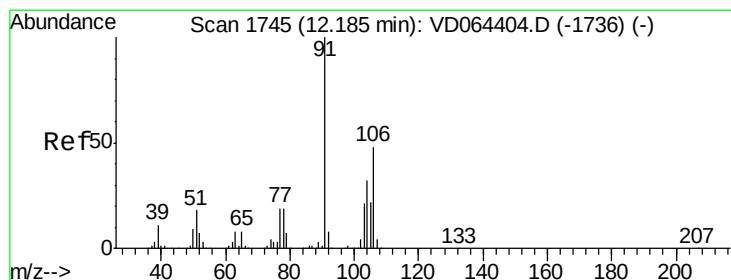
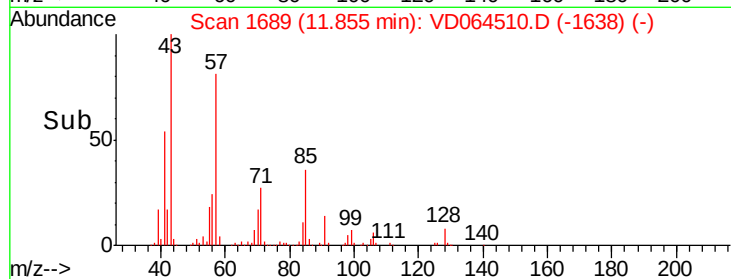
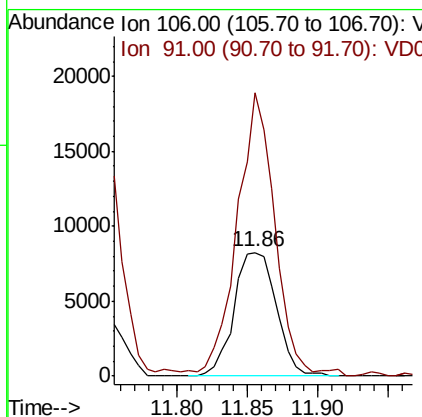
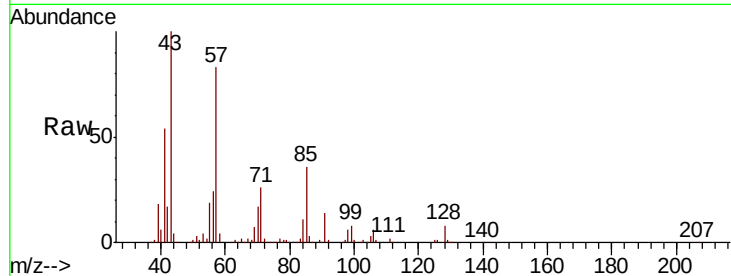
#68
m/p-Xylenes
Concen: 2.209 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064510.D
Acq: 13 Dec 2019 16:51

Instrument :
MSVOA_D
ClientSampleId :
HD-02-121219

Tot Ion:106 Resp: 17316
Ion Ratio Lower Upper
106 100
91 204.0 157.4 236.2

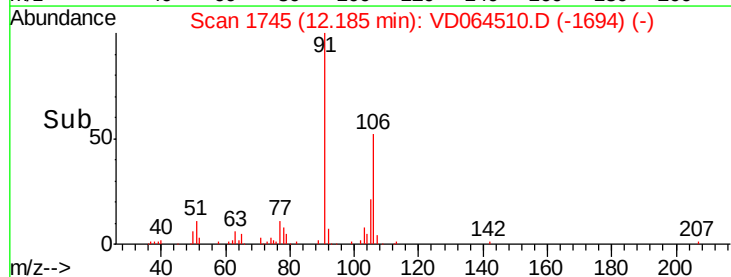
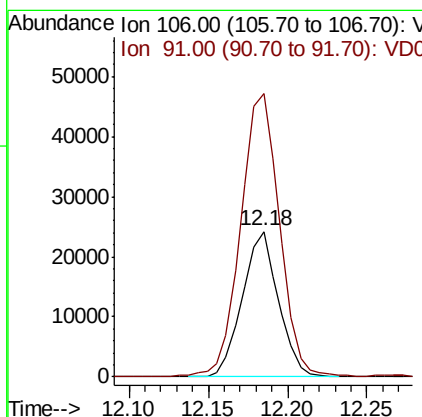
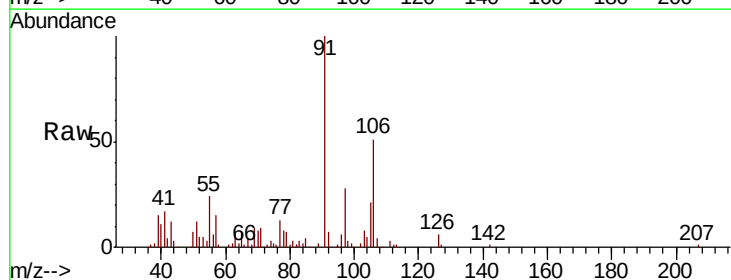
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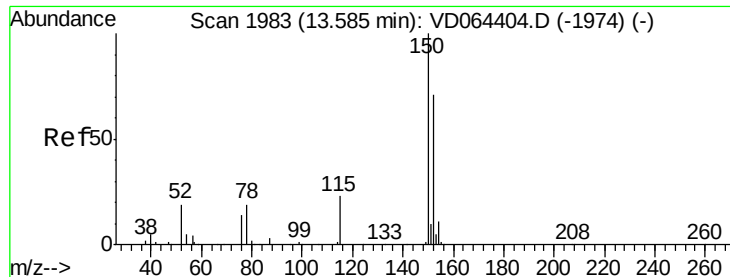
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#69
o-Xylene
Concen: 5.260 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064510.D
Acq: 13 Dec 2019 16:51

Tgt Ion:106 Resp: 38075
Ion Ratio Lower Upper
106 100
91 211.6 103.8 311.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064510.D

Acq: 13 Dec 2019 16:51

Instrument :

MSVOA_D

ClientSampleId :

HD-02-121219

Tot Ion:152 Resp: 259409

Ion Ratio Lower Upper

152 100

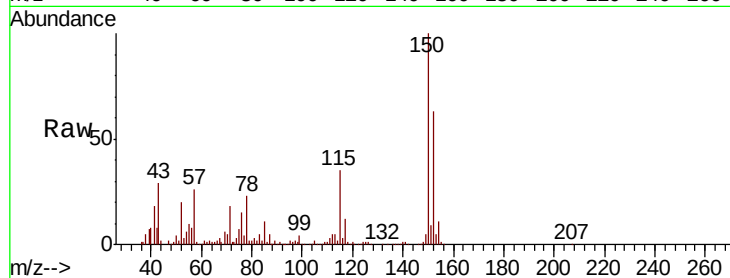
115 57.7 26.7 80.1

150 157.6 0.0 347.2

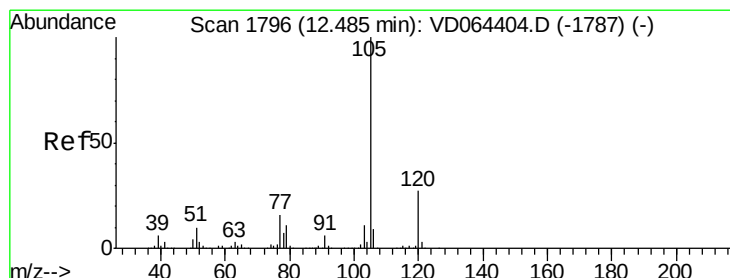
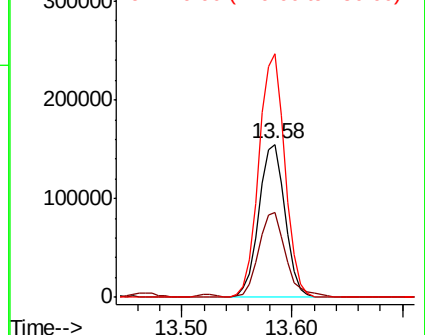
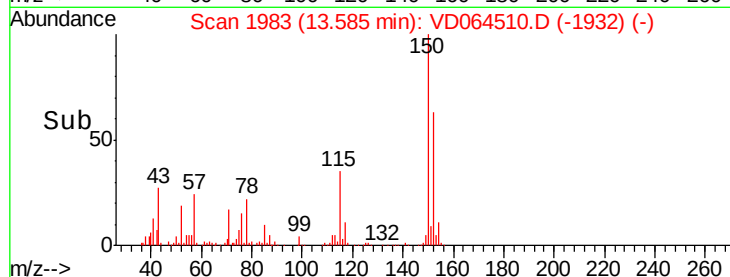
Manual Integrations
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.856 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064510.D

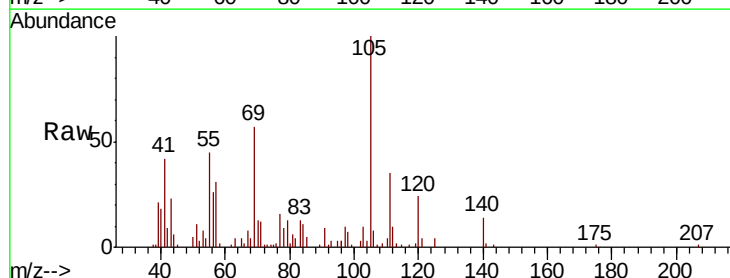
Acq: 13 Dec 2019 16:51

Tgt Ion:105 Resp: 34619

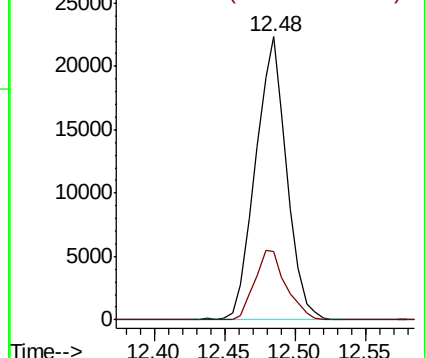
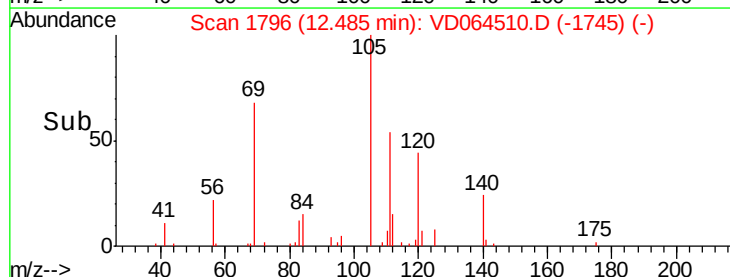
Ion Ratio Lower Upper

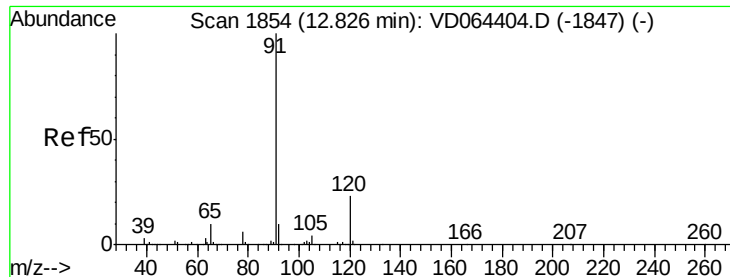
105 100

120 24.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 4.013 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064510.D

Acq: 13 Dec 2019 16:51

Instrument :

MSVOA_D

ClientSampleId :

HD-02-121219

Tot Ion: 91 Resp: 86392

Ion Ratio Lower Upper

91 100

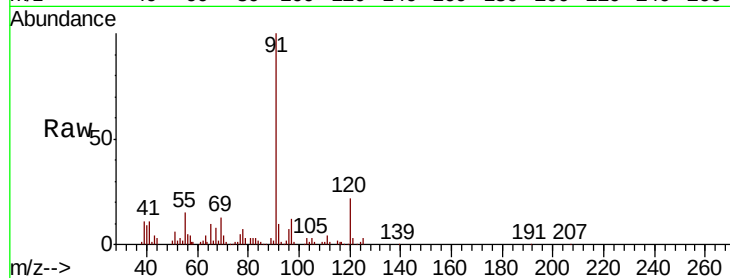
120 22.8 11.9 35.9

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

12.83

60000

50000

40000

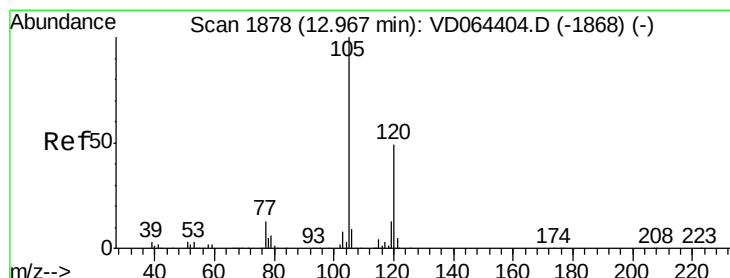
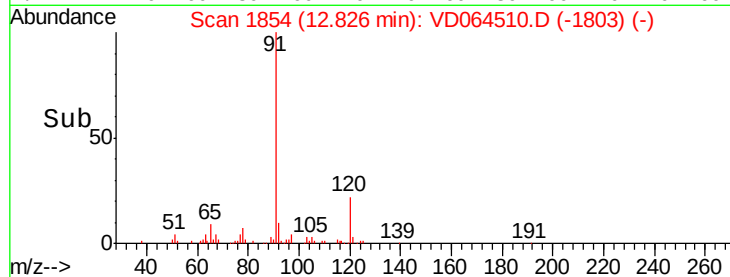
30000

20000

10000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 8.644 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD064510.D

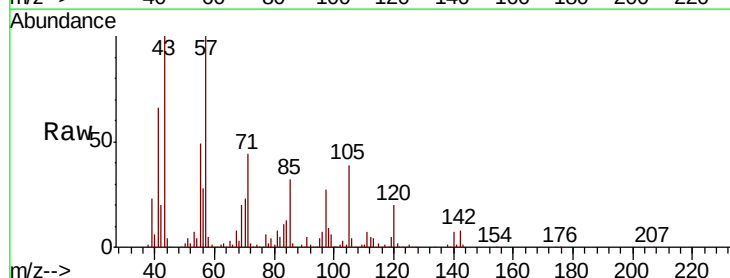
Acq: 13 Dec 2019 16:51

Tgt Ion: 105 Resp: 131793

Ion Ratio Lower Upper

105 100

120 51.6 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.96

100000

80000

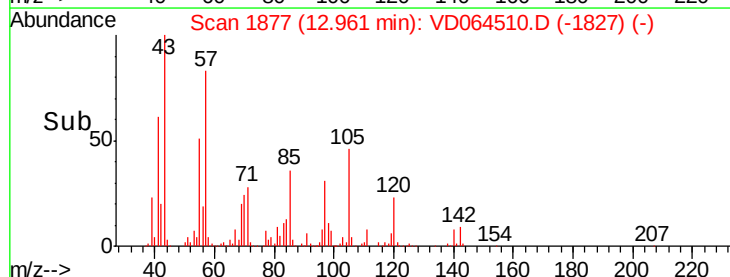
60000

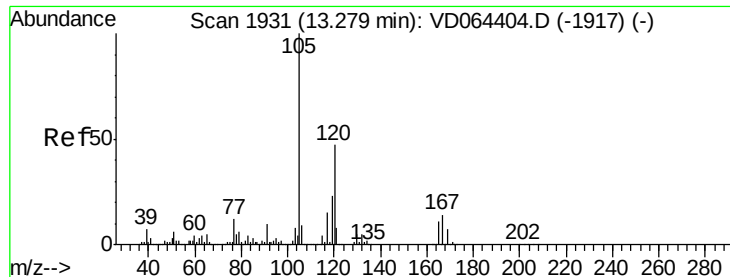
40000

20000

0

Time-->





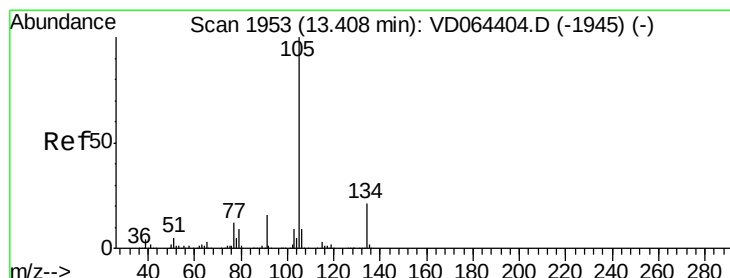
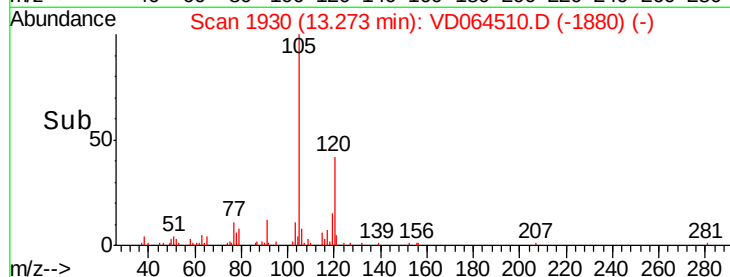
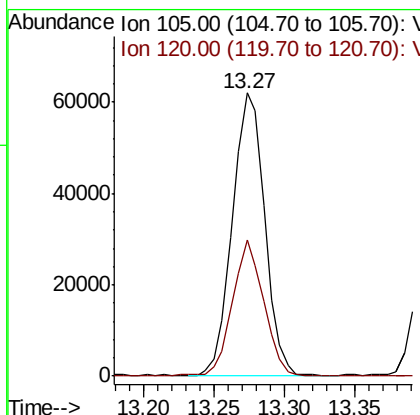
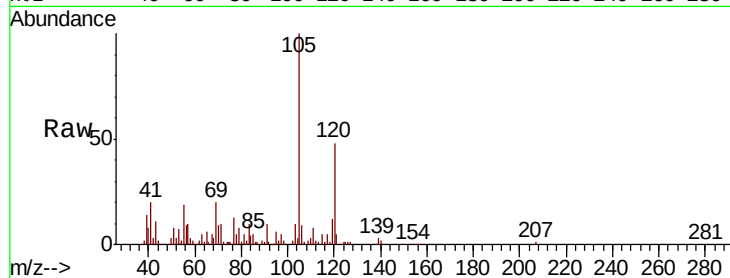
#84
 1,2,4-Trimethylbenzene
 Concen: 6.490 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064510.D
 Acq: 13 Dec 2019 16:51

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-121219

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.6	70.8

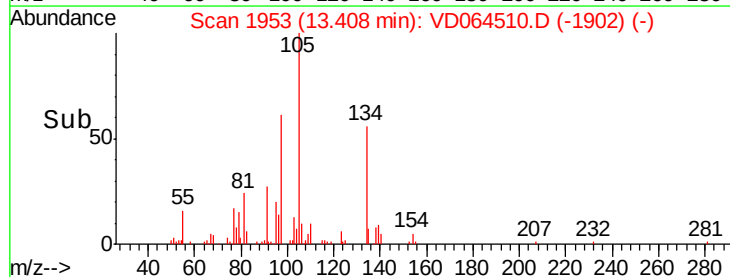
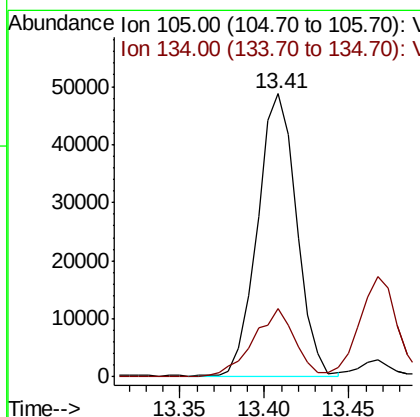
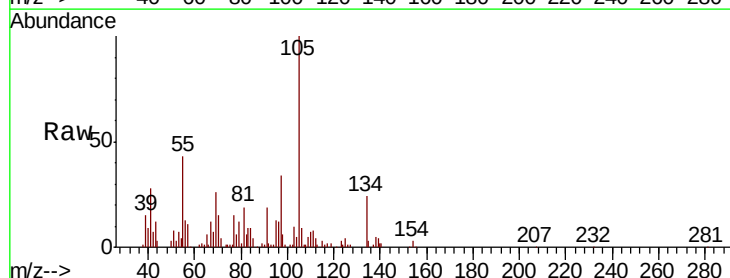
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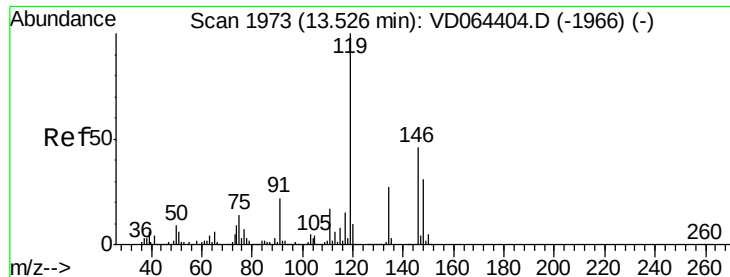
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#85
 sec-Butylbenzene
 Concen: 4.337 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064510.D
 Acq: 13 Dec 2019 16:51

Tgt Ion	Ratio	Lower	Upper
105	100		
134	25.5	10.5	31.5





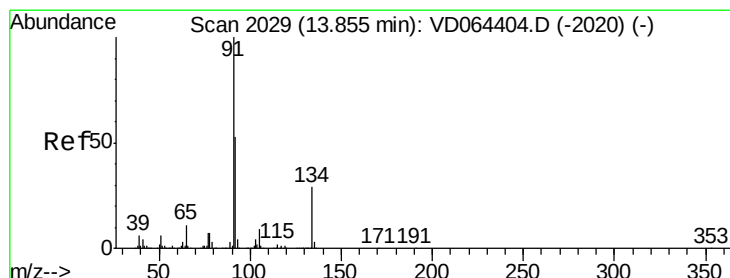
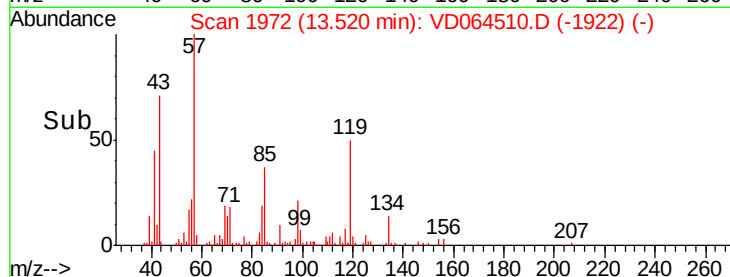
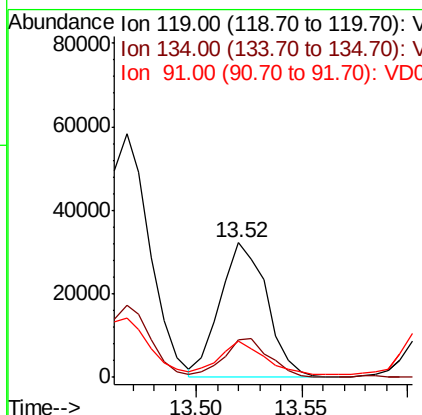
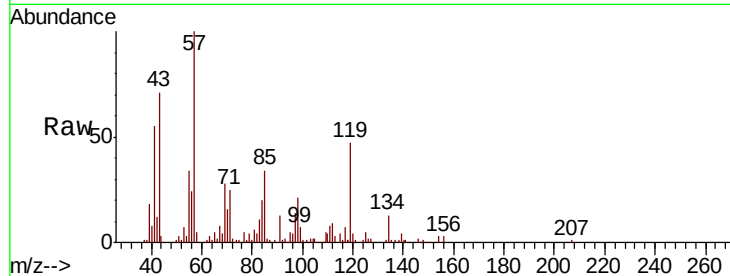
#86
 p-Isopropyltoluene
 Concen: 2.892 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064510.D
 Acq: 13 Dec 2019 16:51

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-121219

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.9	13.5	40.4
91	23.0	11.2	33.5

Manual Integrations
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#89
 n-Butylbenzene
 Concen: 5.516 ug/l m
 RT: 13.85 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: VD064510.D
 Acq: 13 Dec 2019 16:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.5	79.4#
134	0.0	13.9	41.7#

