

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064261.D
 Acq On : 18 Nov 2019 13:36
 Operator : VA/SY
 Sample : K5893-01
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-RE

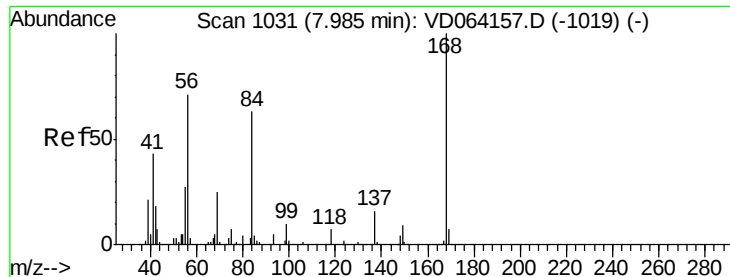
Manual Integrations
 APPROVED

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 11/20/2019 1:12:02 PM

Quant Time: Nov 19 05:01:15 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	370708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	545009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	483923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	233542	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	205372	67.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.72%	
35) Dibromofluoromethane	7.92	113	174498	55.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.56%	
50) Toluene-d8	10.34	98	631537	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
62) 4-Bromofluorobenzene	12.64	95	216215	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.36	83	55306	8.689	ug/l #	65
52) Toluene	10.41	92	177580	19.645	ug/l	99
67) Ethyl Benzene	11.75	91	71611	4.023	ug/l	95
68) m/p-Xylenes	11.86	106	47307	6.934	ug/l	96
69) o-Xylene	12.19	106	21746	3.437	ug/l	92
73) Isopropylbenzene	12.48	105	67069	3.913	ug/l	99
78) n-propylbenzene	12.83	91	287695	14.690	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	70675	5.018	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	117540	8.452	ug/l	98
85) sec-Butylbenzene	13.41	105	59274	3.553	ug/l #	49
86) p-Isopropyltoluene	13.53	119	18387	1.159	ug/l	96
89) n-Butylbenzene	13.86	91	106887m	7.460	ug/l	
95) Naphthalene	15.41	128	71583	8.652	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064261.D

Acq: 18 Nov 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

COMP-RE

Tot Ion:168 Resp: 370708

Ion Ratio Lower Upper

168 100

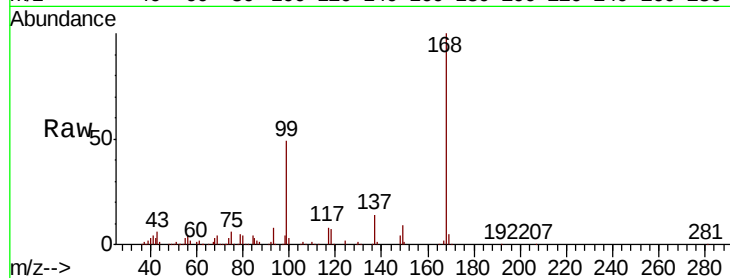
99 49.2 41.6 62.4

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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

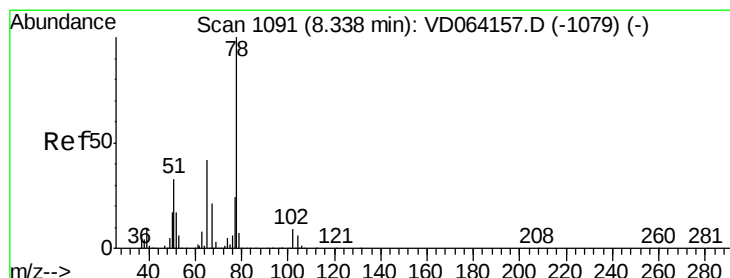
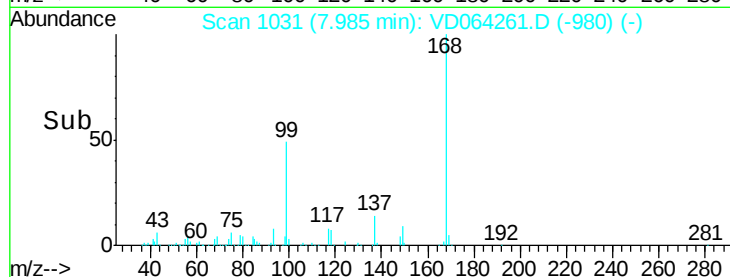
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 67.360 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064261.D

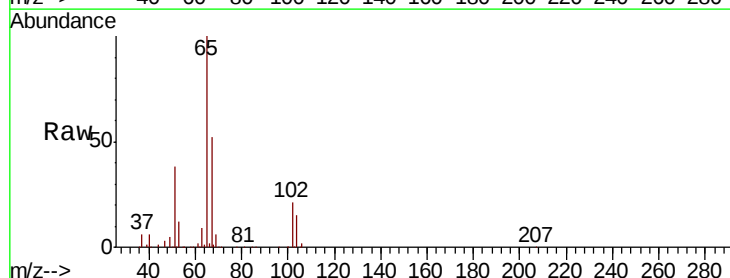
Acq: 18 Nov 2019 13:36

Tgt Ion: 65 Resp: 205372

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

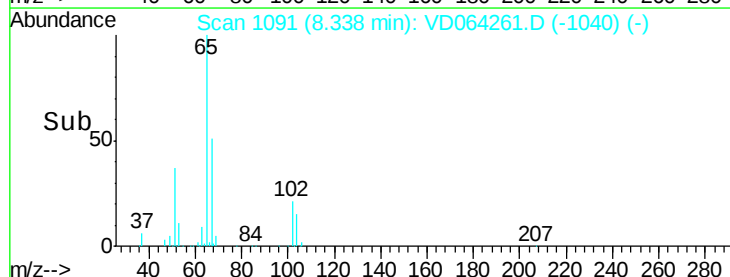
60000

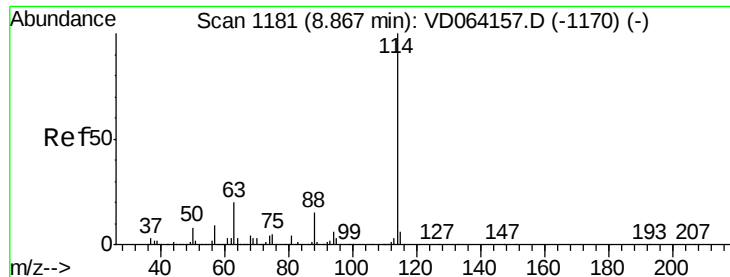
40000

20000

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Time-->





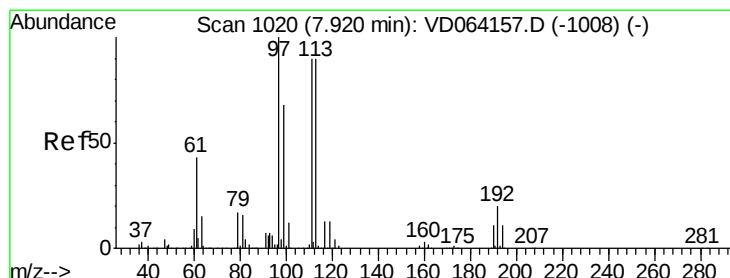
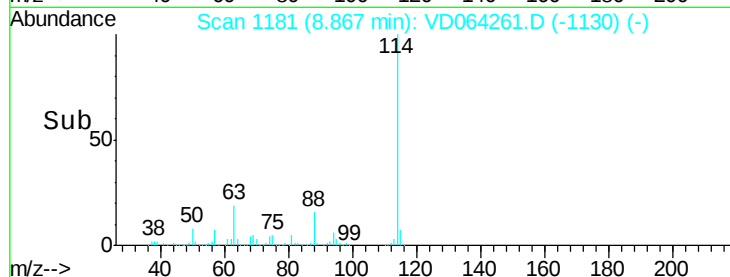
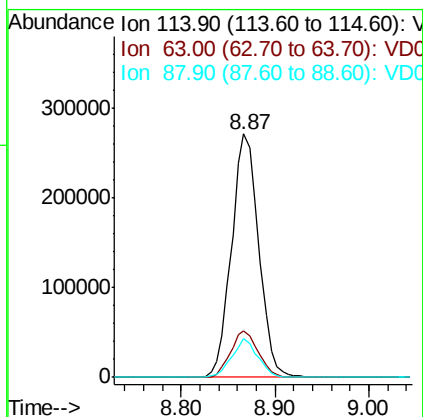
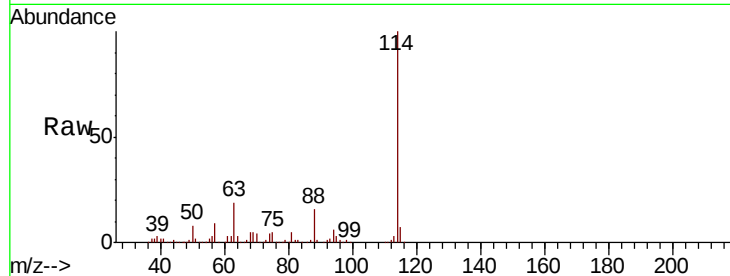
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064261.D
Acq: 18 Nov 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
COMP-RE

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	18.9	0.0	40.0
88	16.1	0.0	30.2

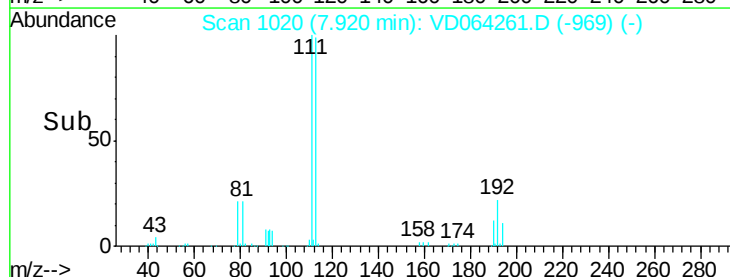
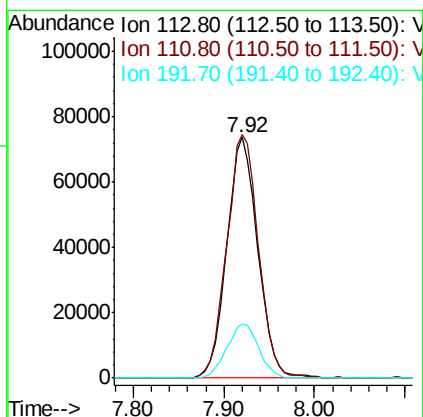
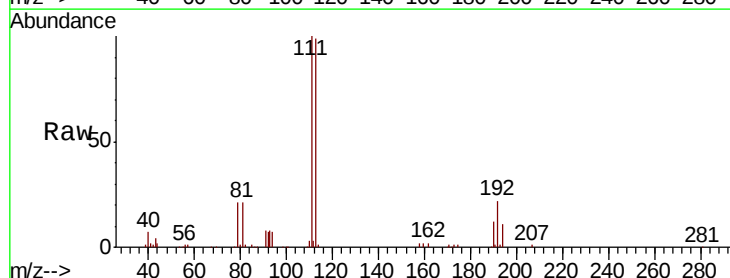
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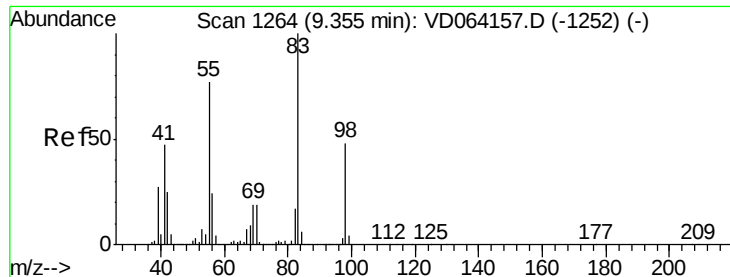
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#35
Dibromofluoromethane
Concen: 55.778 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064261.D
Acq: 18 Nov 2019 13:36

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.9	81.5	122.3
192	23.2	18.8	28.2





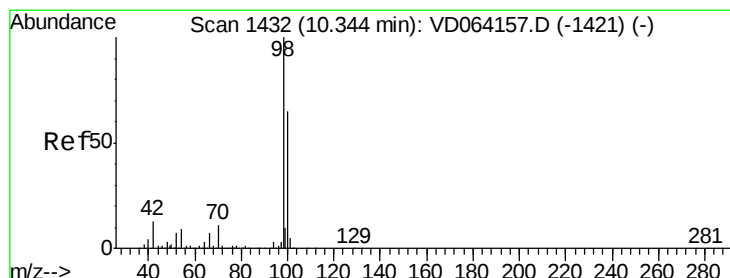
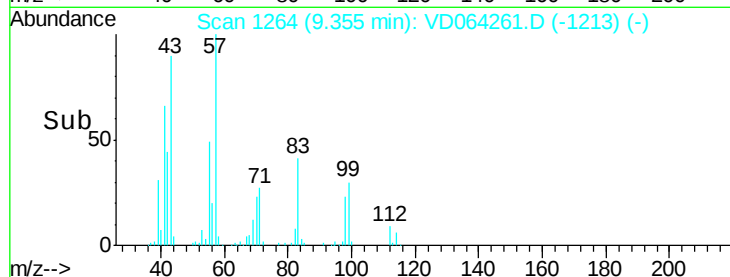
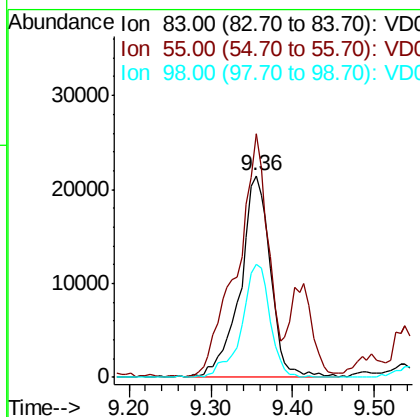
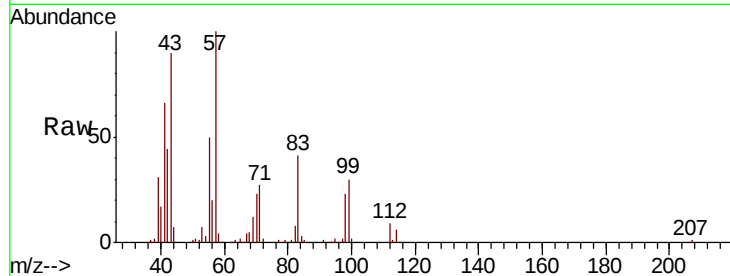
#39
Methylcyclohexane
Concen: 8.689 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064261.D
Acq: 18 Nov 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
COMP-RE

Tot Ion	Ratio	Lower	Upper
83	100		
55	119.8	61.7	92.5#
98	56.0	38.6	58.0

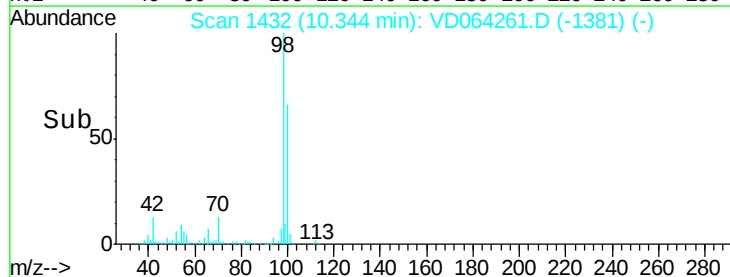
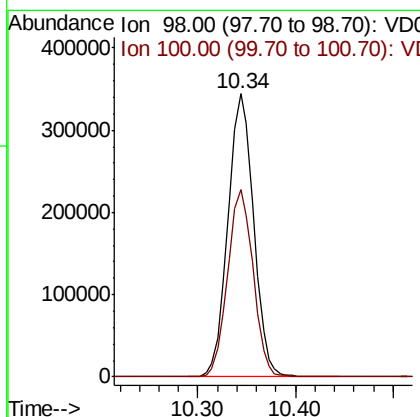
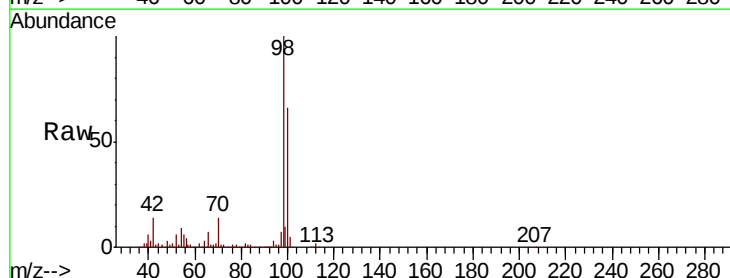
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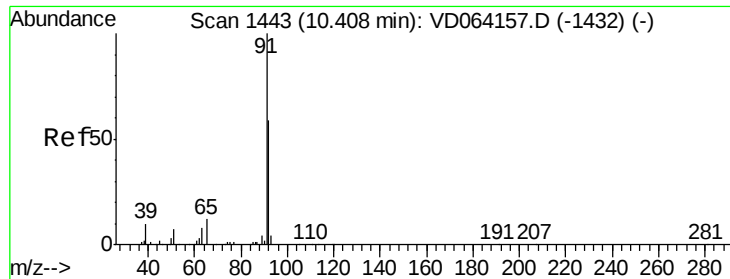
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#50
Toluene-d8
Concen: 53.512 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064261.D
Acq: 18 Nov 2019 13:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.6	78.8





#52

Toluene

Concen: 19.645 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064261.D

Acq: 18 Nov 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

COMP-RE

Tot Ion: 92 Resp: 177580

Ion Ratio Lower Upper

92 100

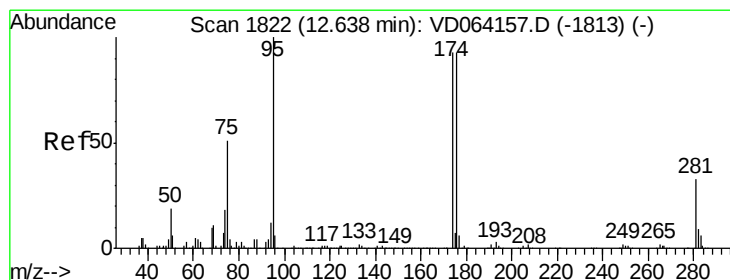
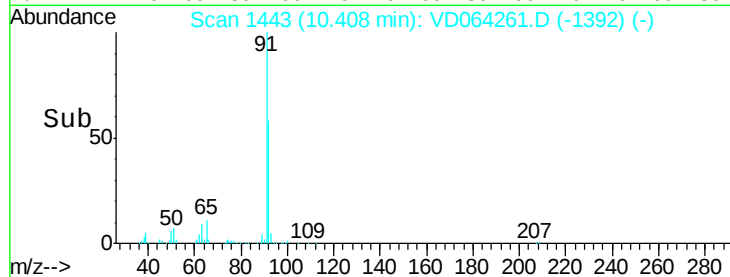
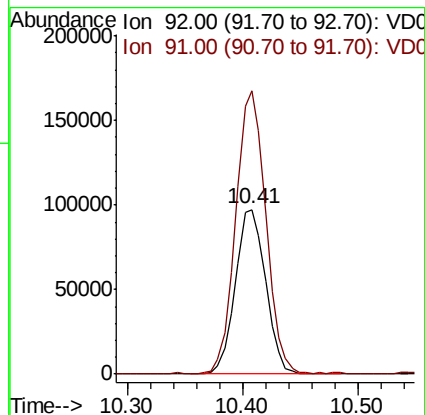
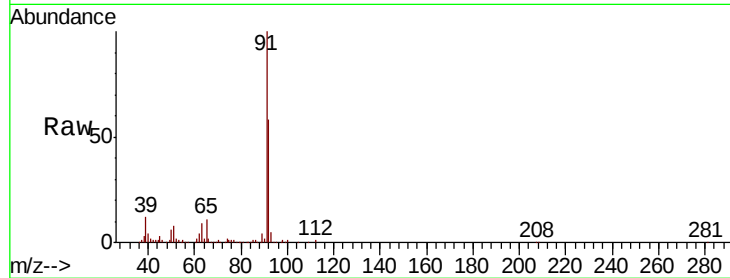
91 169.5 136.4 204.6

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#62

4-Bromofluorobenzene

Concen: 52.902 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064261.D

Acq: 18 Nov 2019 13:36

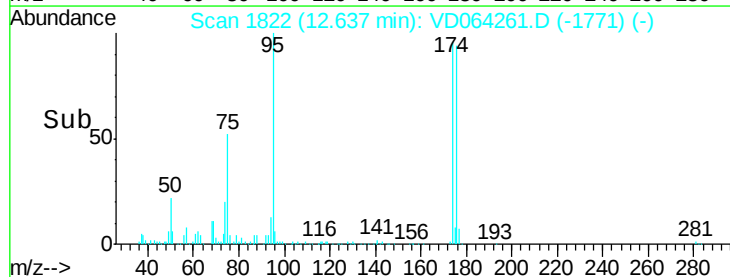
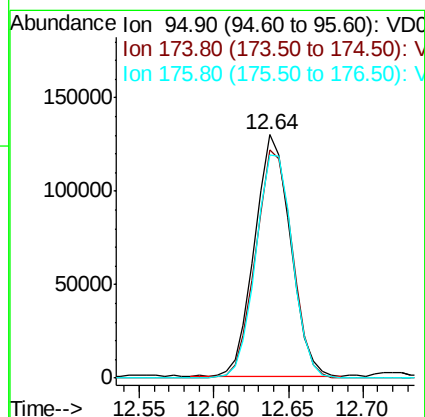
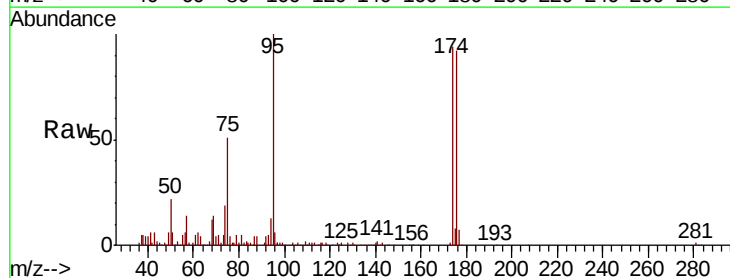
Tgt Ion: 95 Resp: 216215

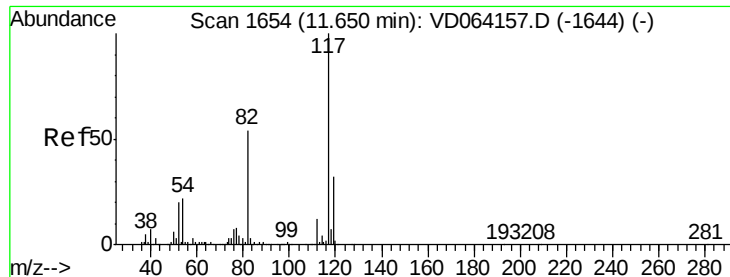
Ion Ratio Lower Upper

95 100

174 95.6 0.0 183.6

176 94.0 0.0 180.2





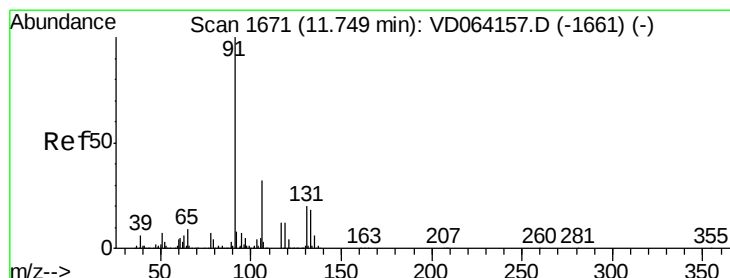
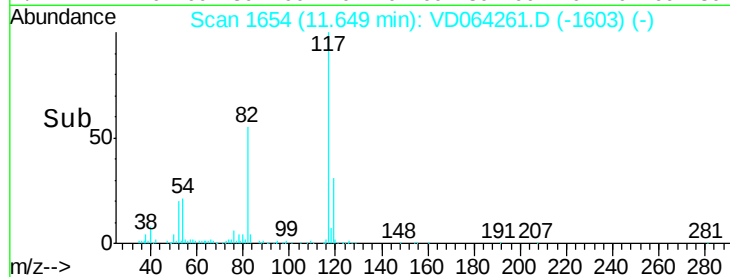
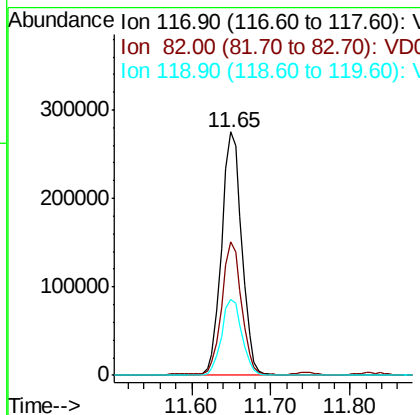
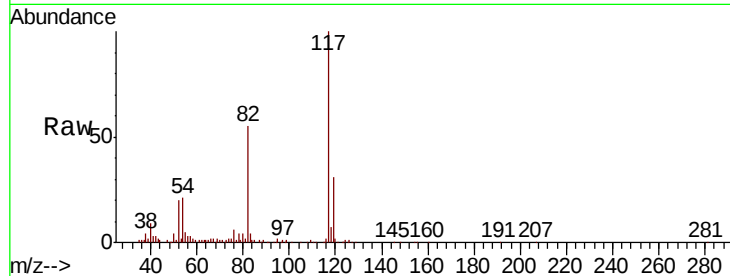
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064261.D
Acq: 18 Nov 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
COMP-RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.8	64.2
119	31.4	25.6	38.4

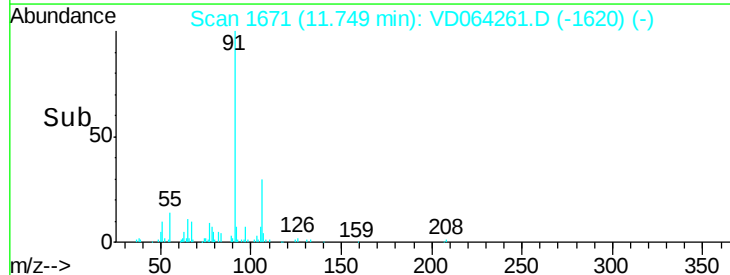
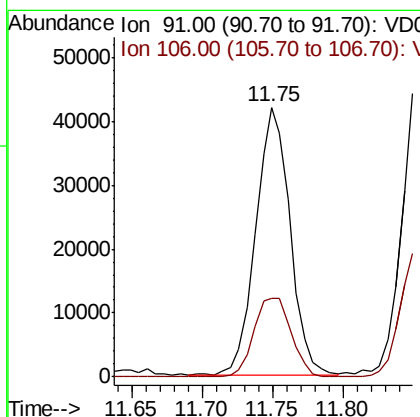
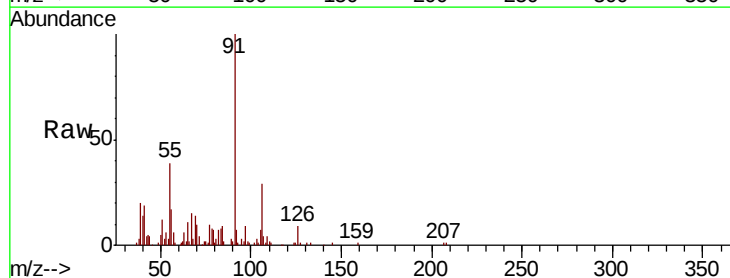
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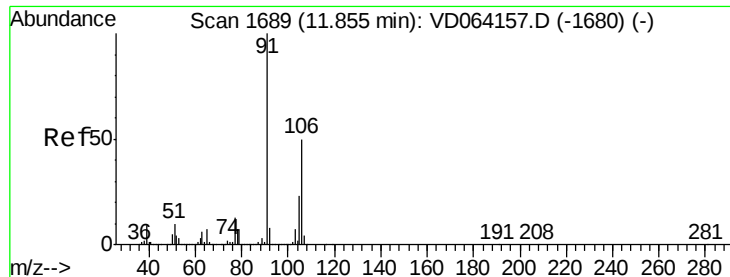
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#67
Ethyl Benzene
Concen: 4.023 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064261.D
Acq: 18 Nov 2019 13:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.3	25.5	38.3





#68

m/p-Xylenes

Concen: 6.934 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064261.D

Acq: 18 Nov 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

COMP-RE

Tot Ion:106 Resp: 47307

Ion Ratio Lower Upper

106 100

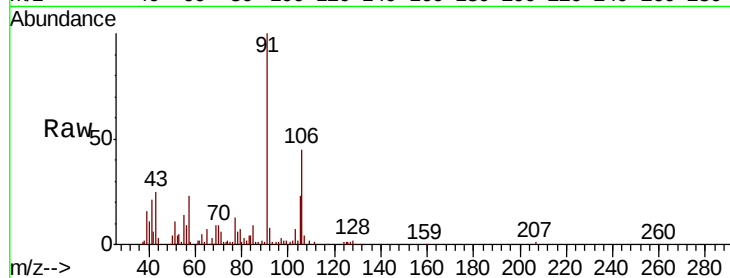
91 206.4 160.3 240.5

Manual Integrations

APPROVED

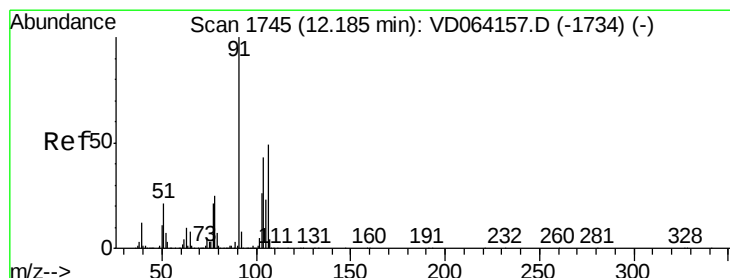
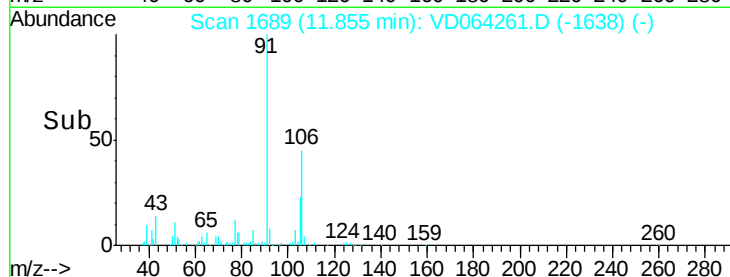
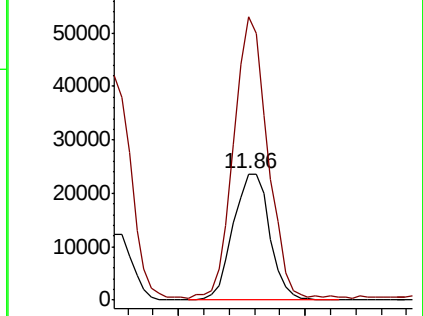
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC



#69

o-Xylene

Concen: 3.437 ug/l

RT: 12.19 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VD064261.D

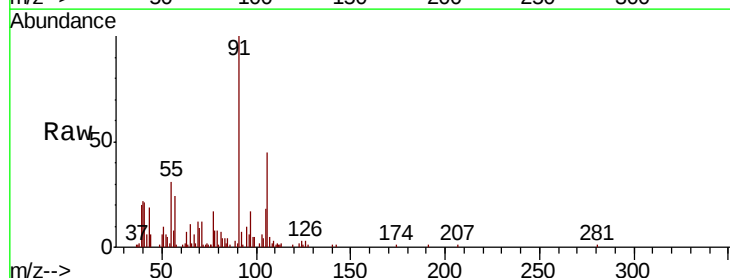
Acq: 18 Nov 2019 13:36

Tgt Ion:106 Resp: 21746

Ion Ratio Lower Upper

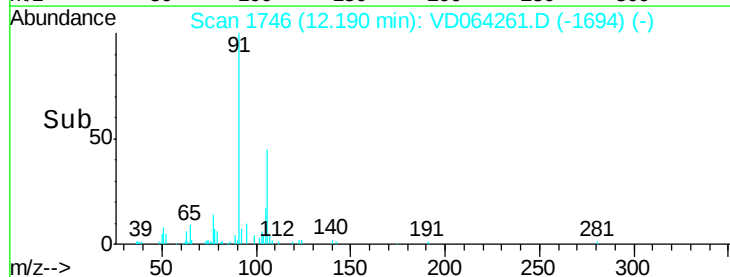
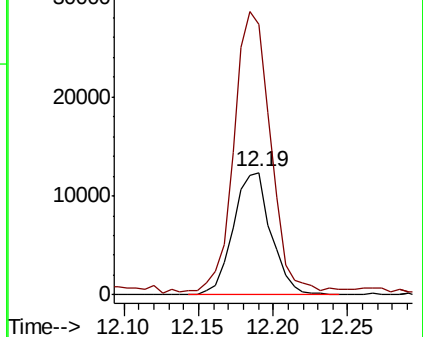
106 100

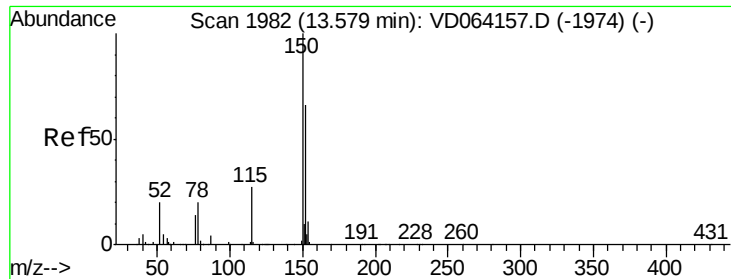
91 222.1 105.1 315.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064261.D

Acq: 18 Nov 2019 13:36

Instrument :

MSVOA_D

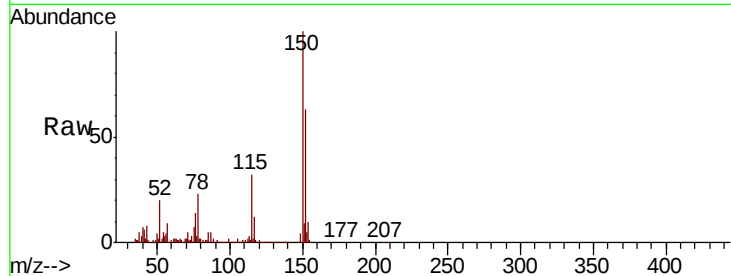
ClientSampleId :

COMP-RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.7	27.4	82.2
150	154.4	0.0	351.6

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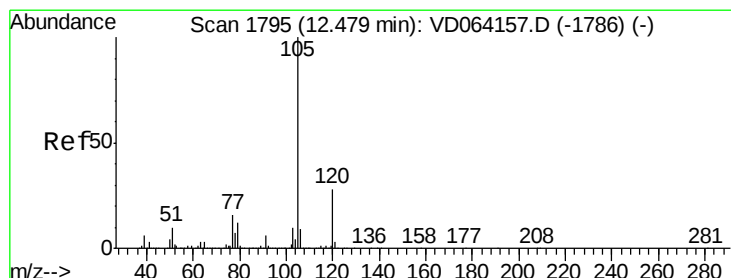
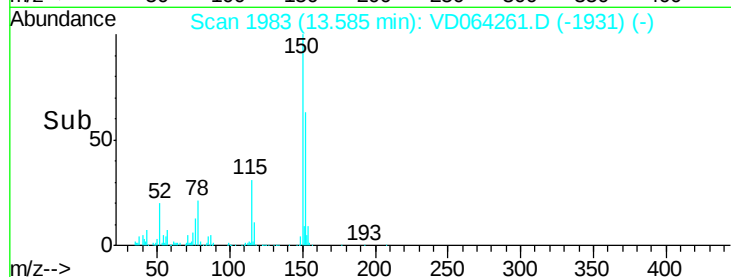
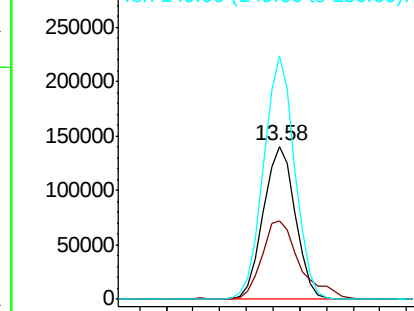


Abundance

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: 3.913 ug/l

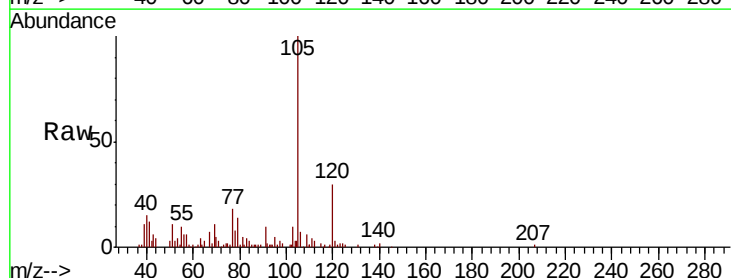
RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064261.D

Acq: 18 Nov 2019 13:36

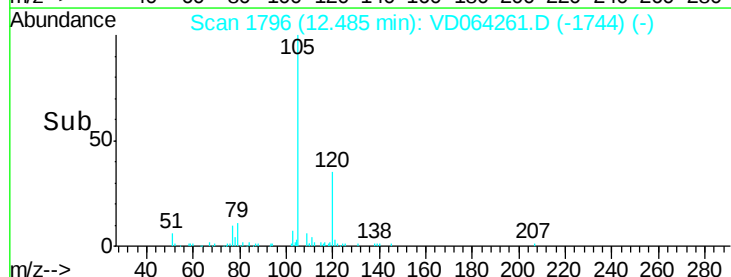
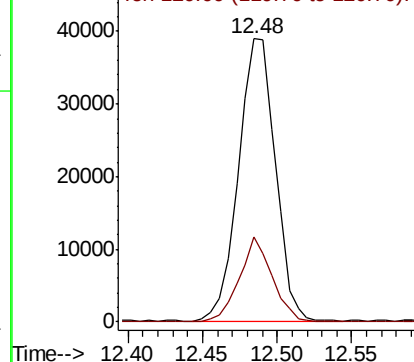
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.6	40.8

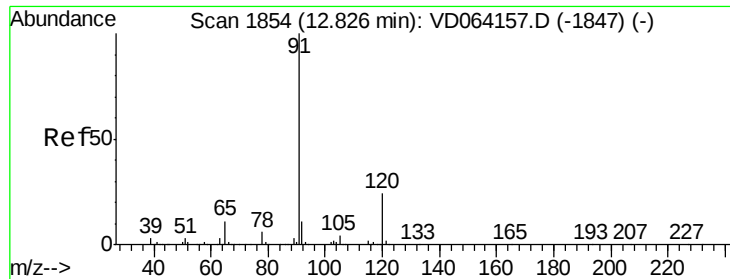


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 14.690 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064261.D

Acq: 18 Nov 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

COMP-RE

Tot Ion: 91 Resp: 287695

Ion Ratio Lower Upper

91 100

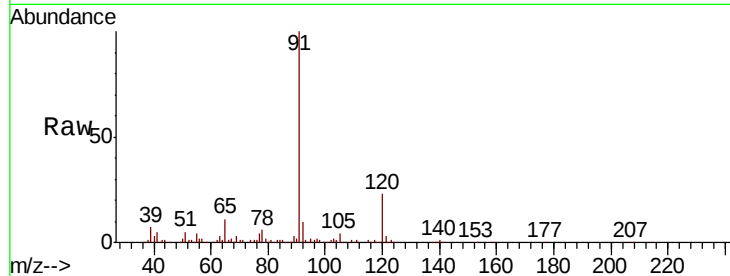
120 24.3 11.8 35.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

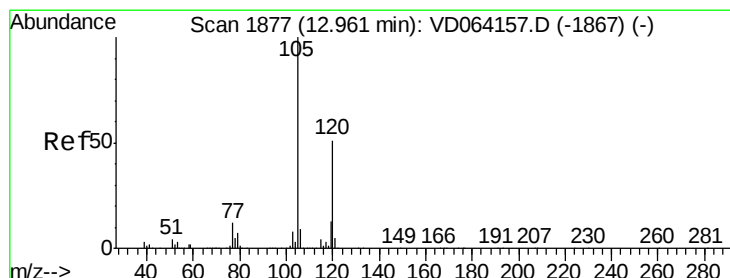
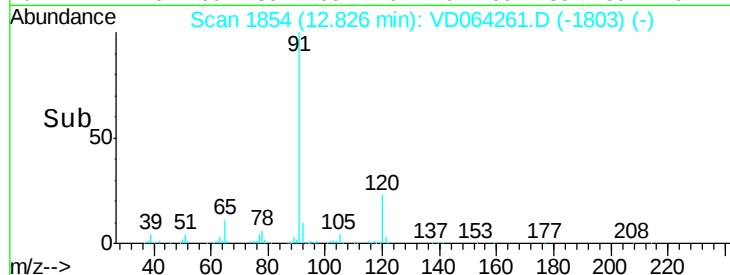
100000

50000

0

12.75 12.80 12.85

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.018 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064261.D

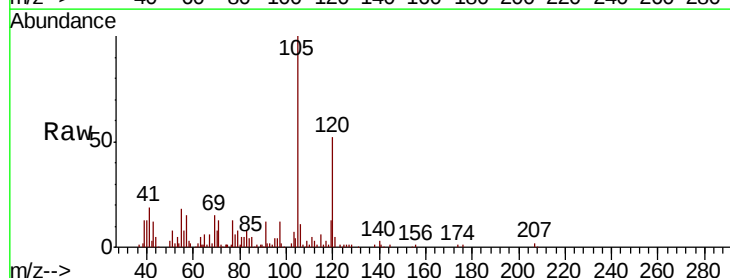
Acq: 18 Nov 2019 13:36

Tgt Ion: 105 Resp: 70675

Ion Ratio Lower Upper

105 100

120 49.0 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

50000

40000

30000

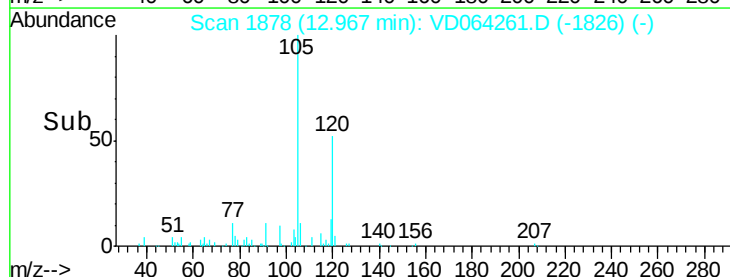
20000

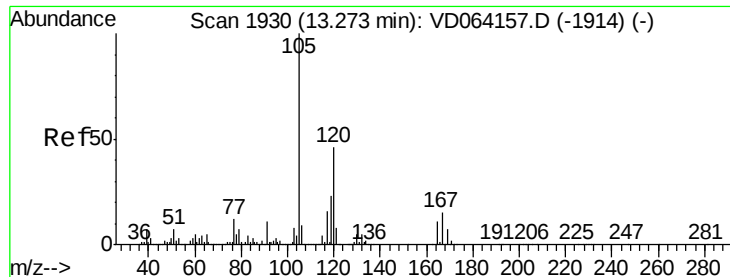
10000

0

12.95 13.00

Time-->





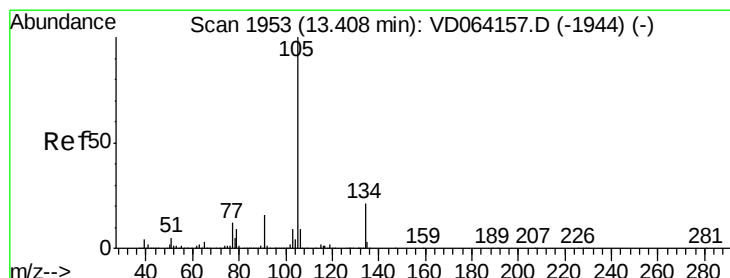
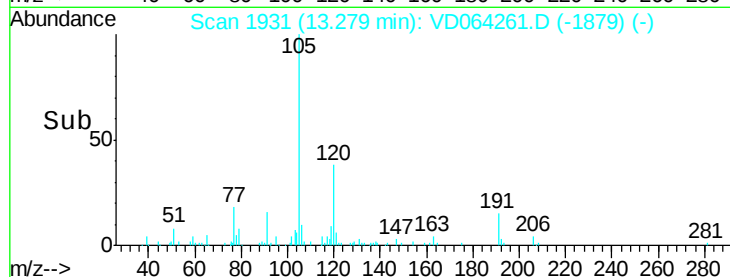
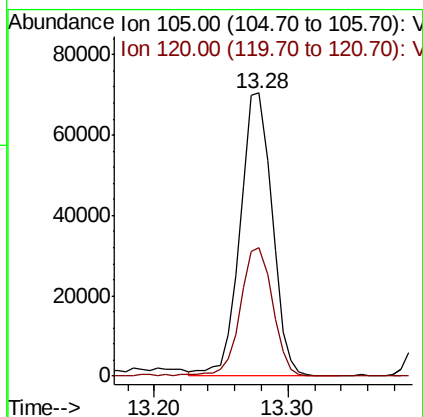
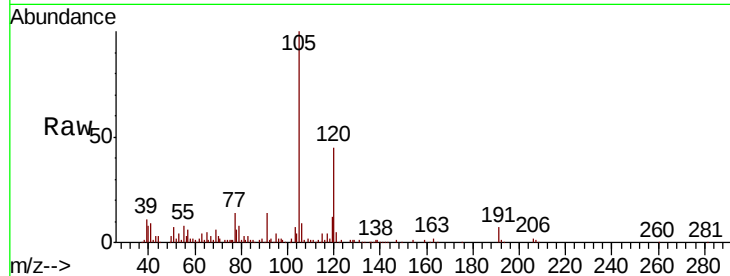
#84
1,2,4-Trimethylbenzene
Concen: 8.452 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064261.D
Acq: 18 Nov 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
COMP-RE

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.3	69.8

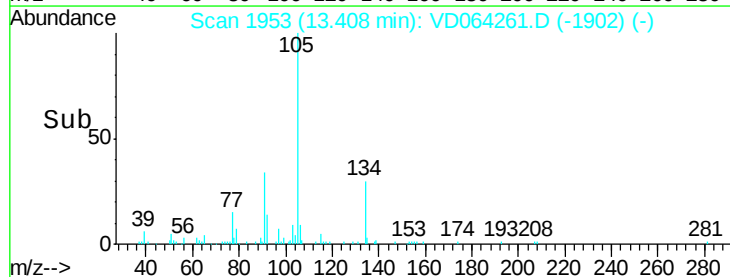
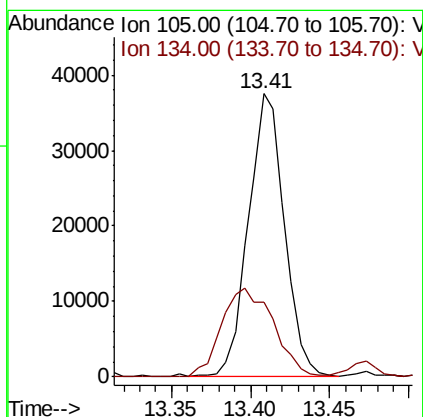
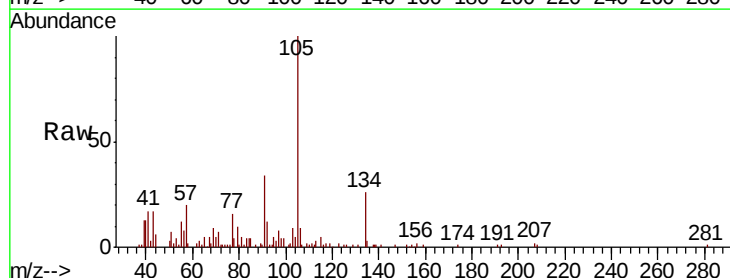
Manual Integrations
APPROVED

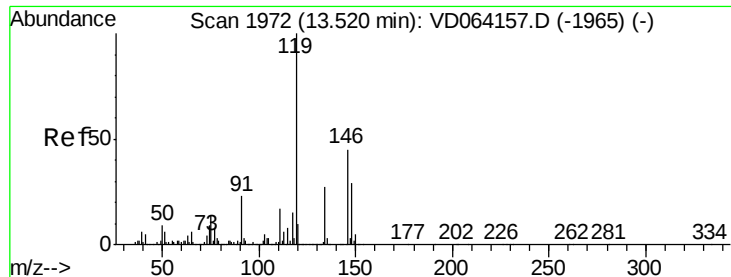
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#85
sec-Butylbenzene
Concen: 3.553 ug/l
RT: 13.41 min Scan# 1953
Delta R.T. -0.00 min
Lab File: VD064261.D
Acq: 18 Nov 2019 13:36

Tgt Ion	Ratio	Lower	Upper
105	100		
134	45.2	10.7	31.9#





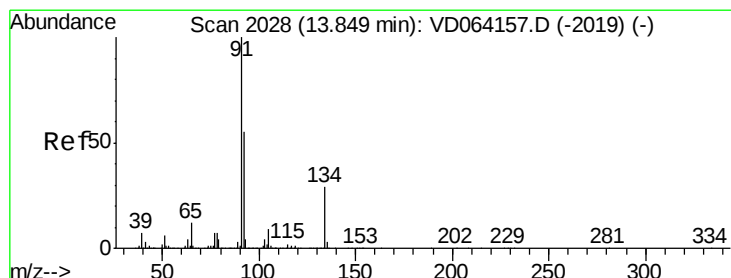
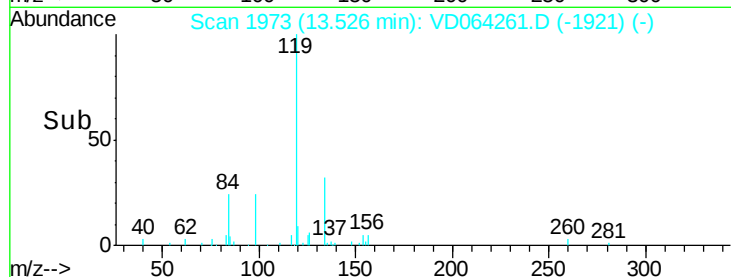
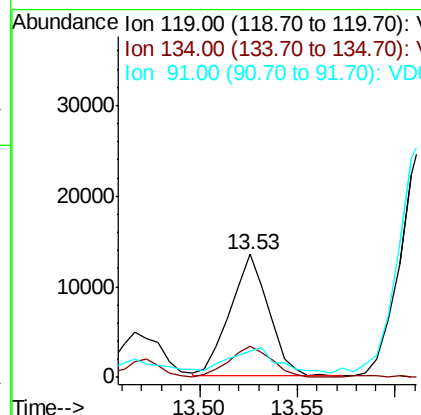
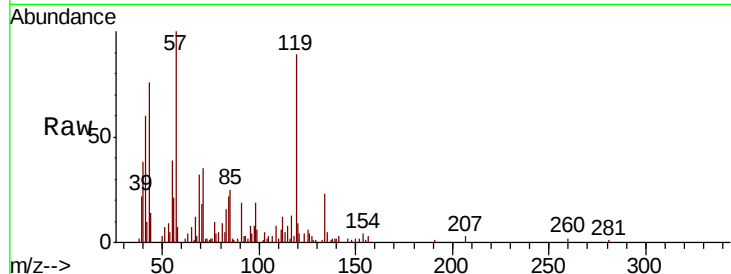
#86
 p-Isopropyltoluene
 Concen: 1.159 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064261.D
 Acq: 18 Nov 2019 13:36

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-RE

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.1	13.5	40.5
91	25.6	11.5	34.4

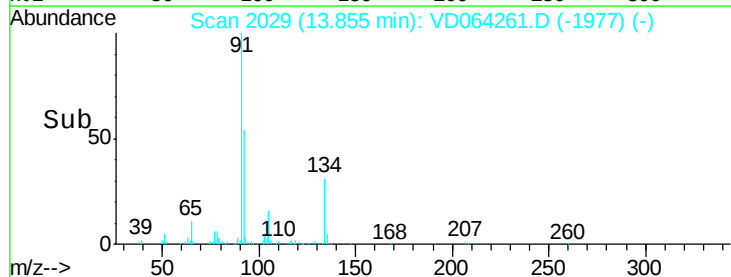
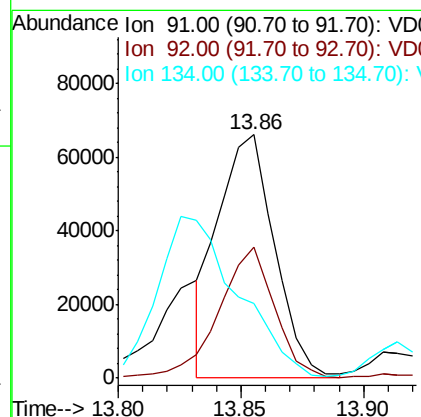
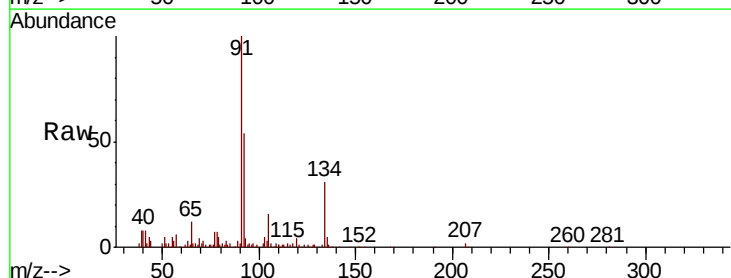
Manual Integrations
 APPROVED

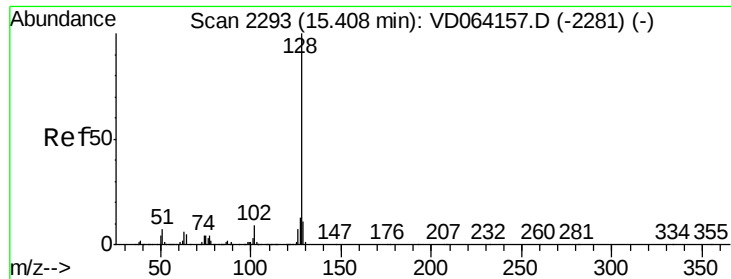
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#89
 n-Butylbenzene
 Concen: 7.460 ug/l m
 RT: 13.86 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: VD064261.D
 Acq: 18 Nov 2019 13:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	27.3	81.8
134	0.0	14.1	42.4#





#95
Naphthalene
Concen: 8.652 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064261.D
Acq: 18 Nov 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
COMP-RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.5	15.7
129	10.0	8.6	13.0

Manual Integrations
APPROVED

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