

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
 Data File : VD064315.D
 Acq On : 20 Nov 2019 16:15
 Operator : VA/SY
 Sample : K5957-02
 Misc : 6.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-1-(17-20)

Manual Integrations
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MMDadoda
 11/22/2019 12:52:19 AM

Quant Time: Nov 21 07:16:59 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	7.99	168	553756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	931744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	605742	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.58	152	2105076	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	363974	79.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.84%	
35) Dibromofluoromethane	7.93	113	337812	63.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.32%	
50) Toluene-d8	10.36	98	6876354	340.81	ug/l	0.01
Spiked Amount	50.000		Recovery	=	681.62%	
62) 4-Bromofluorobenzene	12.64	95	44933192m	6430.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12861.58%	
Target Compounds						
					Qvalue	
31) Cyclohexane	8.00	56	2553588	285.679	ug/l #	90
39) Methylcyclohexane	9.37	83	19009015	1746.982	ug/l	96
44) Trichloroethene	9.13	130	57424	8.141	ug/l	89
64) Tetrachloroethene	10.89	164	129084	27.708	ug/l	94
67) Ethyl Benzene	11.75	91	44506973m	1997.547	ug/l	
68) m/p-Xylenes	11.87	106	33891486m	3968.432	ug/l	
73) Isopropylbenzene	12.50	105	40845714m	264.353	ug/l	
78) n-propylbenzene	12.83	91	41612015m	235.720	ug/l	
80) 1,3,5-Trimethylbenzene	12.93	105	35314956m	278.152	ug/l	
83) tert-Butylbenzene	13.26	119	13553726m	121.066	ug/l	
84) 1,2,4-Trimethylbenzene	13.27	105	45390371m	362.123	ug/l	
85) sec-Butylbenzene	13.41	105	26212625m	174.329	ug/l	
86) p-Isopropyltoluene	13.52	119	22917964m	160.322	ug/l	
89) n-Butylbenzene	13.84	91	22153075	171.533	ug/l #	65
95) Naphthalene	15.41	128	1338453	17.947	ug/l	100

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

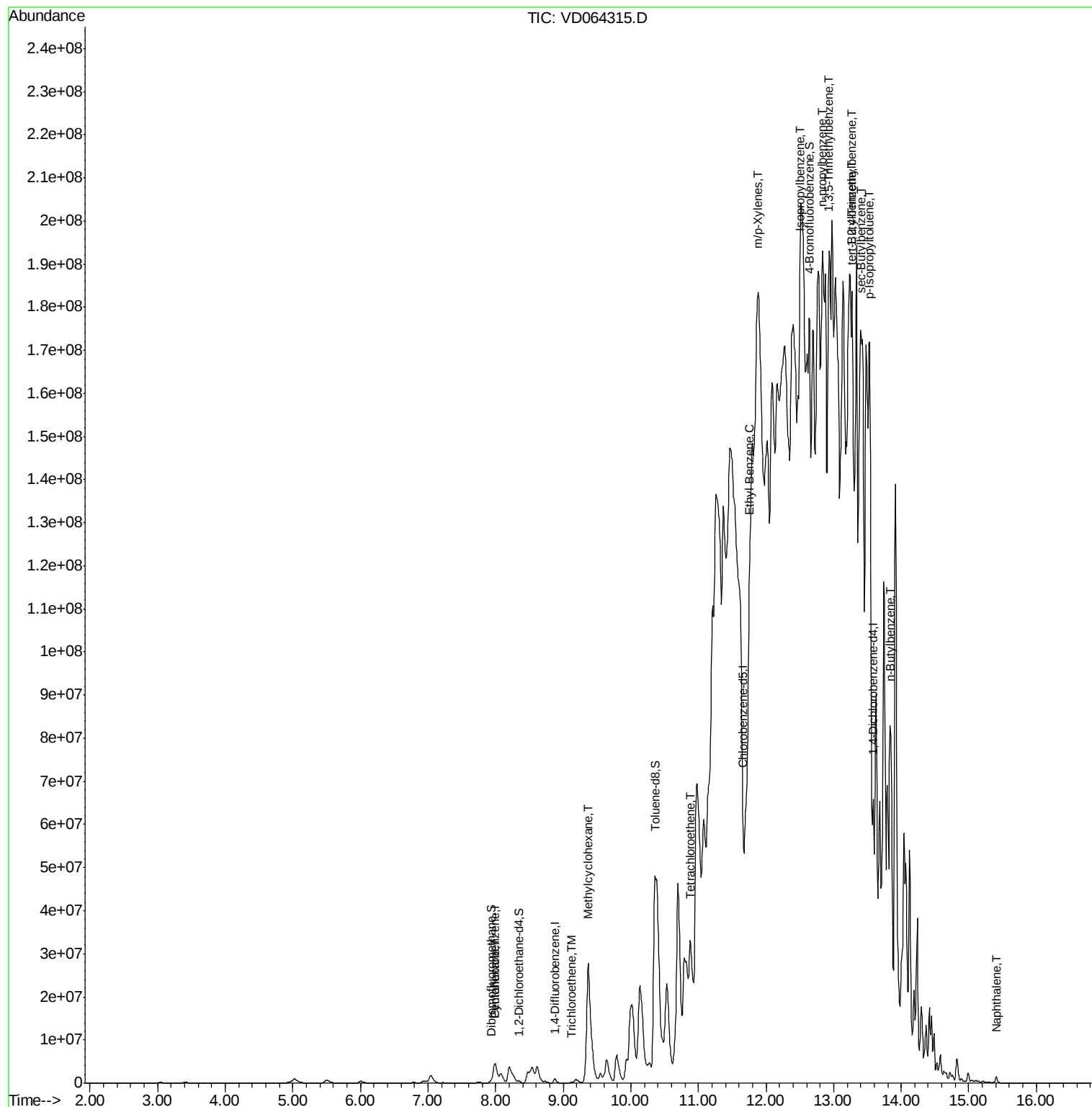
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064315.D
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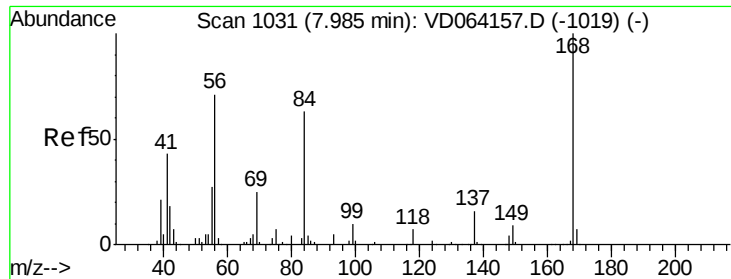
Instrument :
MSVOA_D
ClientSampleId :
MW-1-(17-20)

Quant Time: Nov 21 07:16:59 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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

MW-1-(17-20)

Tot Ion:168 Resp: 553756

Ion Ratio Lower Upper

168 100

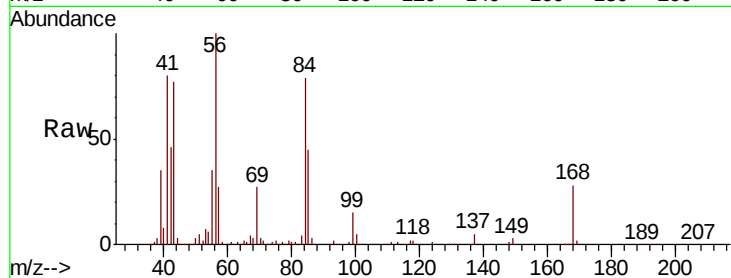
99 52.6 41.6 62.4

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

7.99

200000

150000

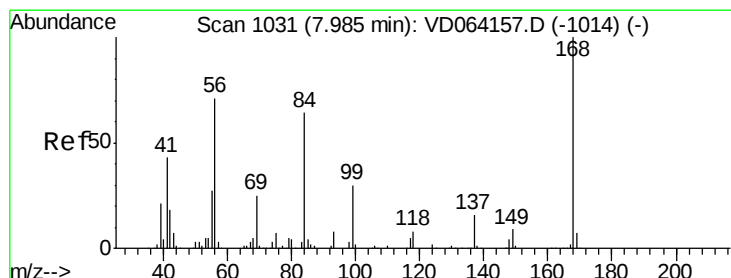
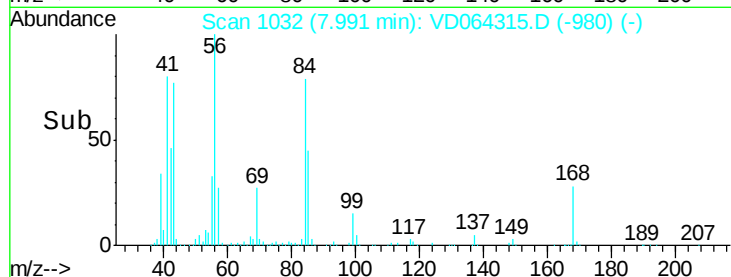
100000

50000

0

7.90 8.00 8.10

Time-->



#31

Cyclohexane

Concen: 285.679 ug/l

RT: 8.00 min Scan# 1033

Delta R.T. 0.01 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

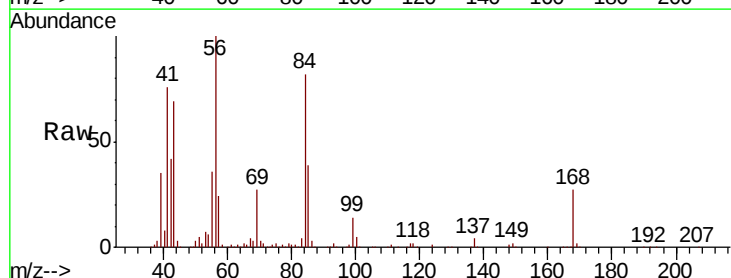
Tgt Ion: 56 Resp: 2553588

Ion Ratio Lower Upper

56 100

69 26.7 28.2 42.4#

84 81.7 71.8 107.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

8.00

800000

600000

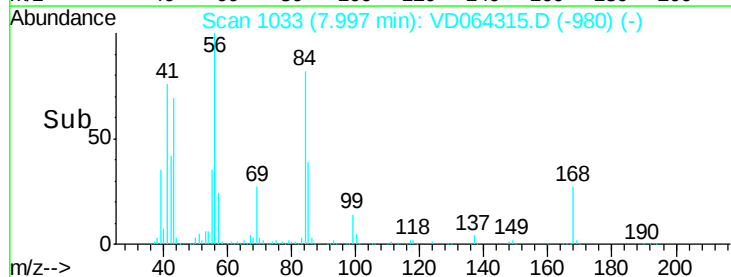
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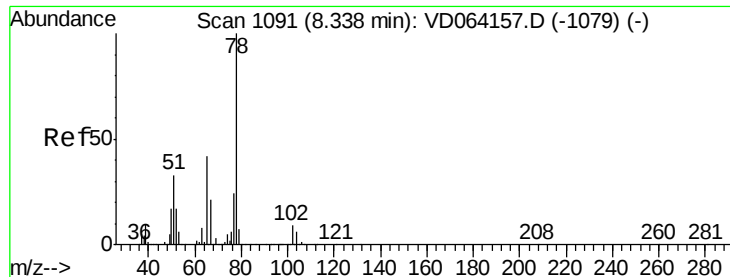
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0

7.90 8.00

Time-->





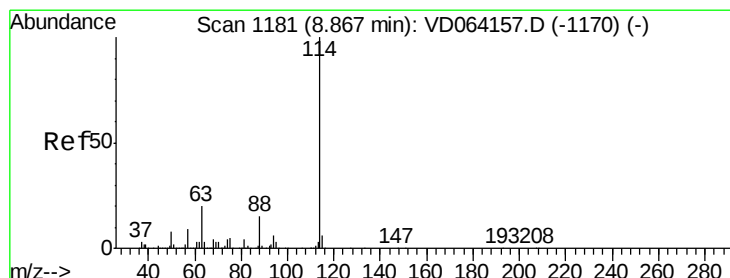
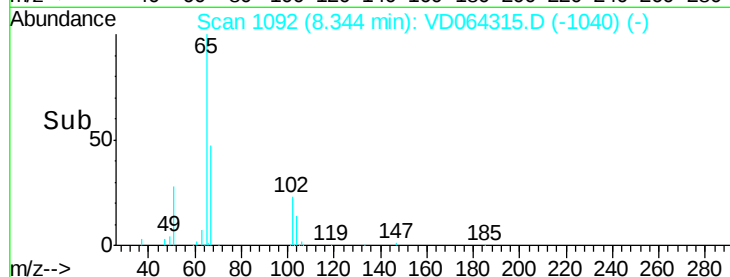
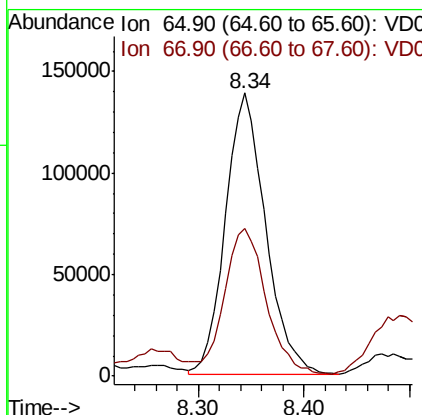
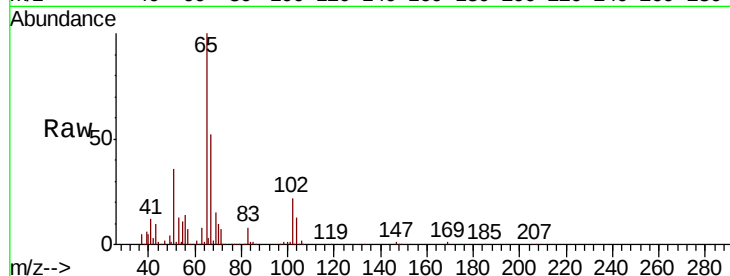
#33
 1,2-Dichloroethane-d4
 Concen: 79.918 ug/l
 RT: 8.34 min Scan# 1092
 Delta R.T. 0.01 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-1-(17-20)

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	104.4

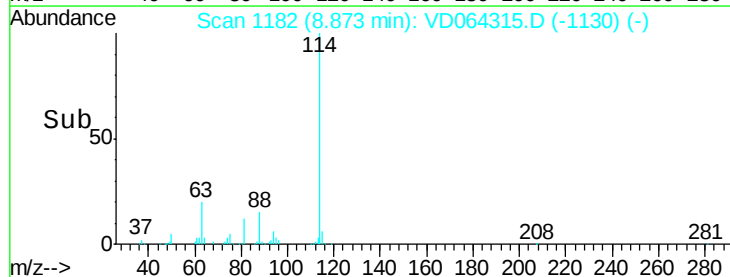
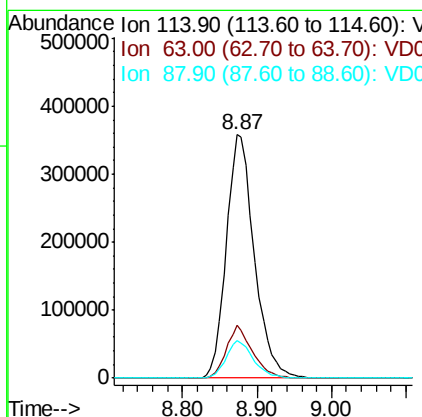
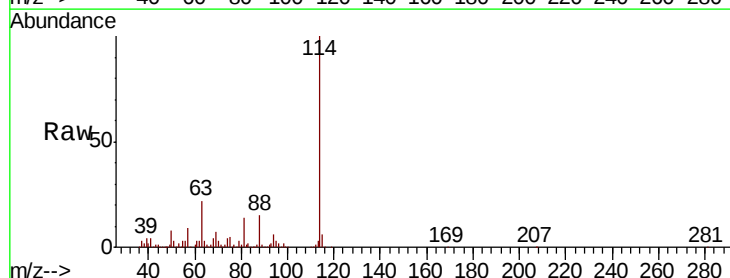
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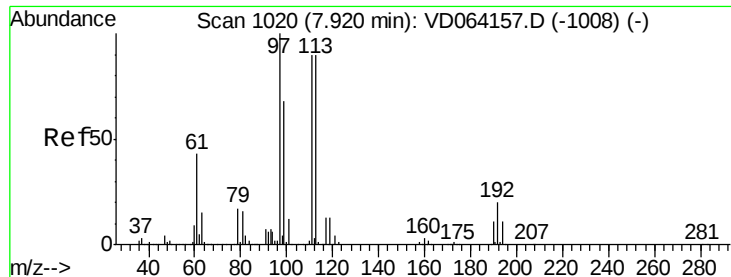
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	40.0
88	15.4	0.0	30.2





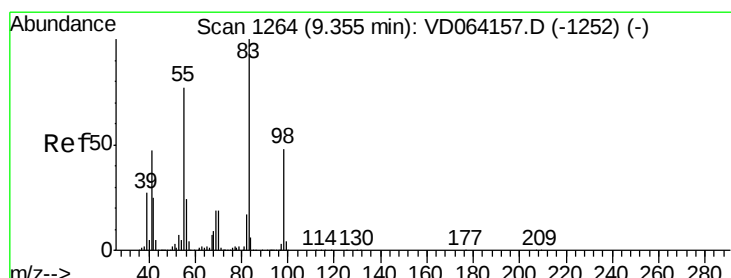
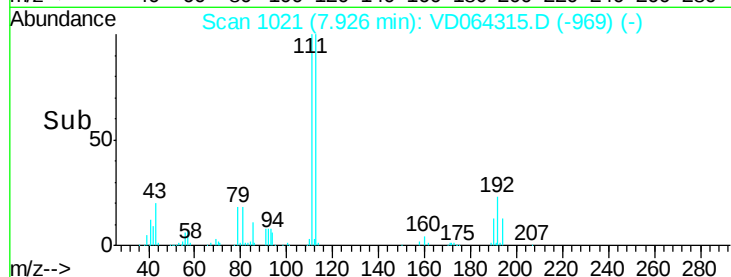
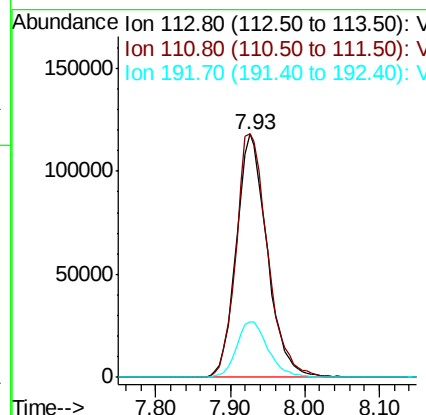
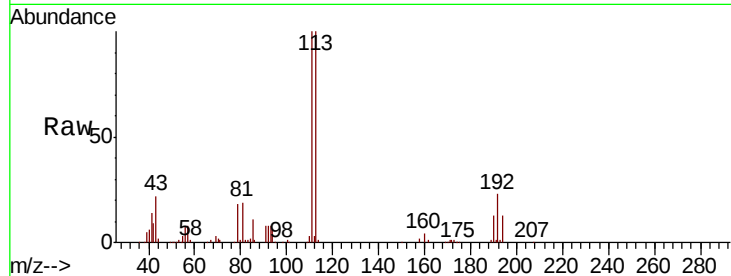
#35
Dibromofluoromethane
Concen: 63.162 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Instrument :
MSVOA_D
ClientSampleId :
MW-1-(17-20)

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.5	122.3
192	23.4	18.8	28.2

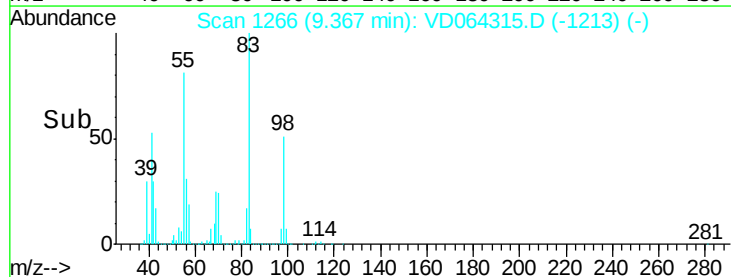
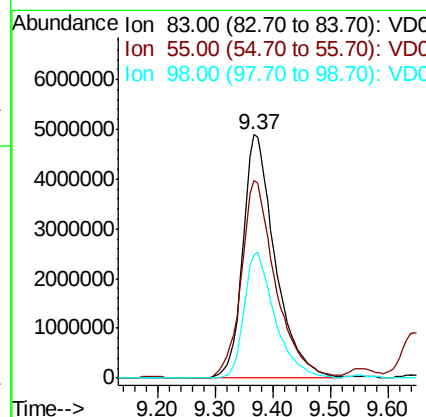
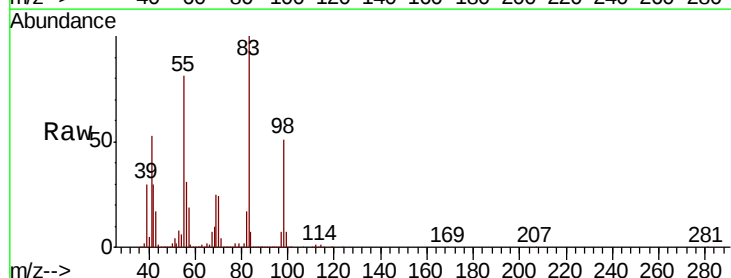
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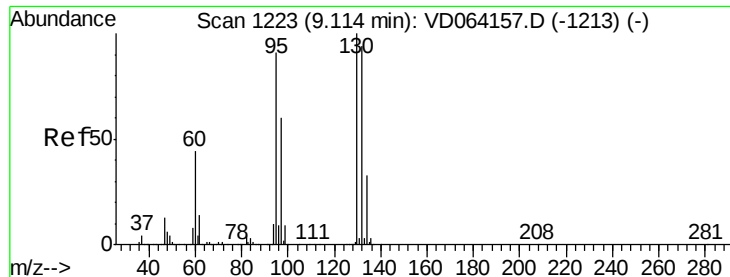
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#39
Methylcyclohexane
Concen: 1746.982 ug/l
RT: 9.37 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.0	61.7	92.5
98	50.9	38.6	58.0





#44

Trichloroethene

Concen: 8.141 ug/l

RT: 9.13 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

MW-1-(17-20)

Tot Ion:130 Resp: 57424

Ion Ratio Lower Upper

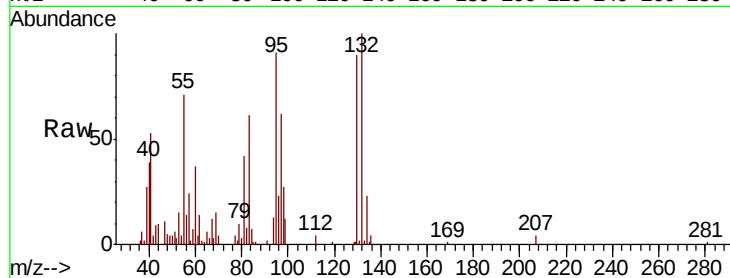
130 100

95 101.1 0.0 181.6

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

9.13

20000

15000

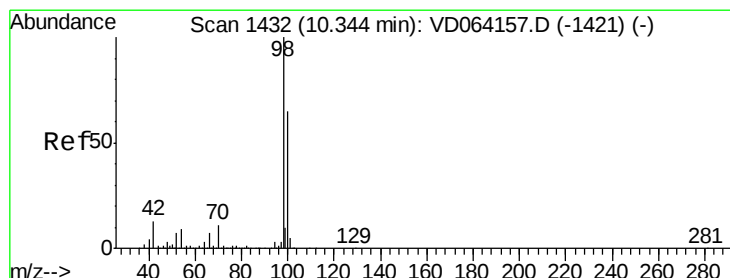
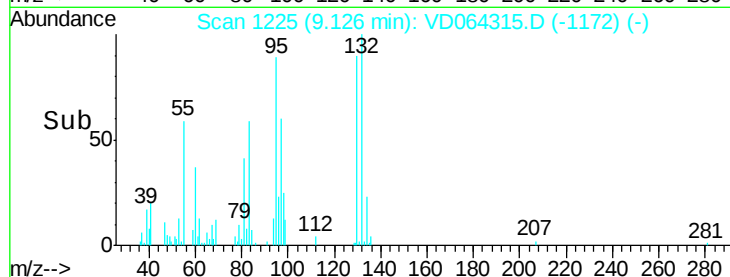
10000

5000

0

Time-->

9.00 9.10 9.20 9.30



#50

Toluene-d8

Concen: 340.814 ug/l

RT: 10.36 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VD064315.D

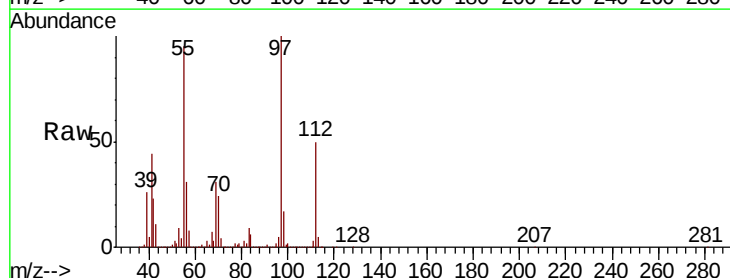
Acq: 20 Nov 2019 16:15

Tgt Ion: 98 Resp: 6876354

Ion Ratio Lower Upper

98 100

100 8.3 52.6 78.8#



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.36

1500000

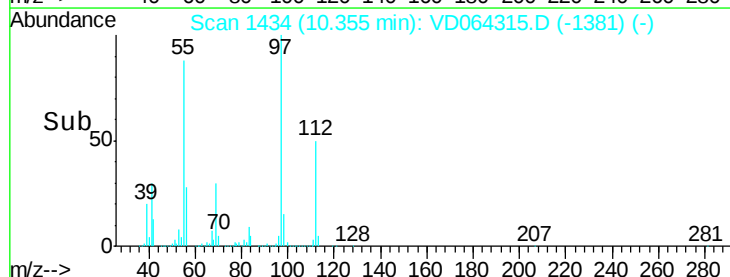
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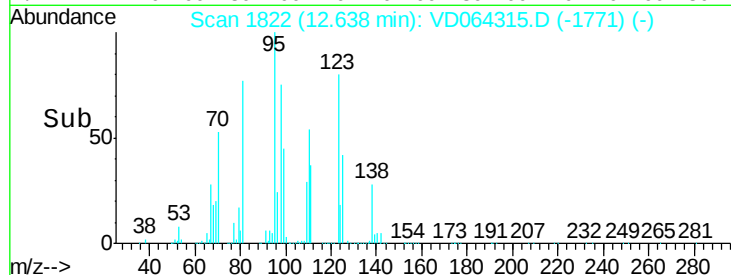
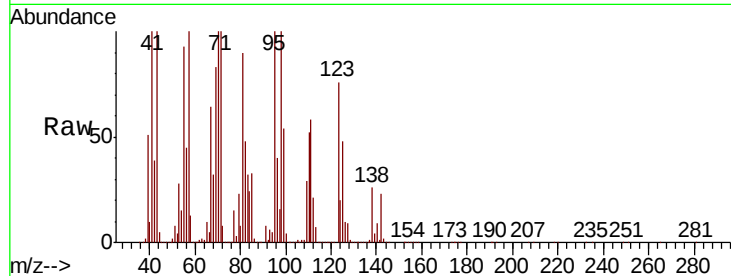
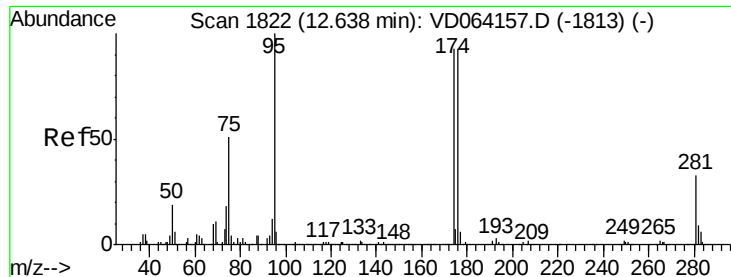
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Time-->

10.20 10.30 10.40 10.50





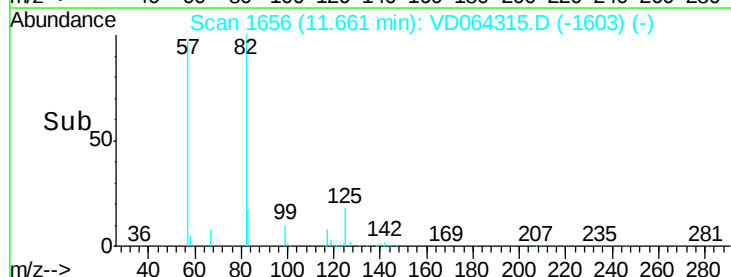
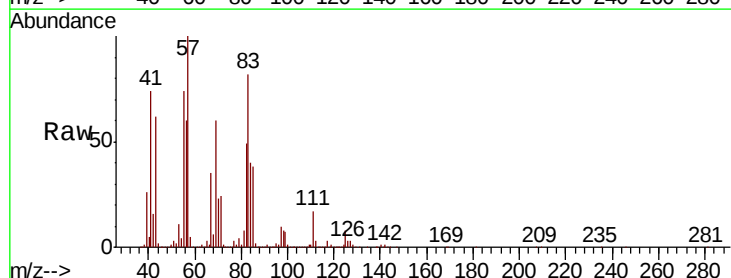
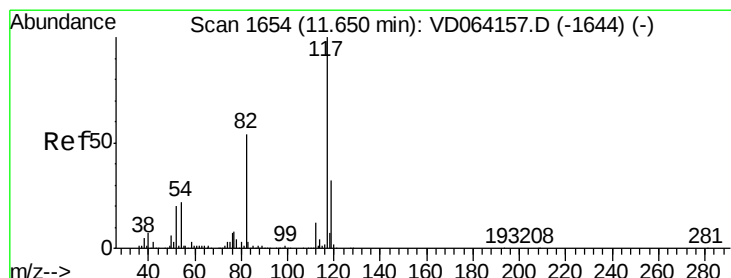
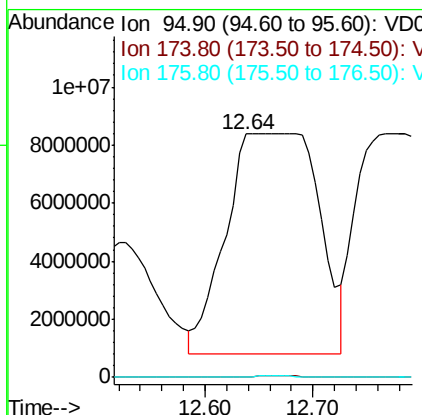
#62
4-Bromofluorobenzene
Concen: 6430.794 ug/l m
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Tot Ion: 95 Resp: 44933192
Ion Ratio Lower Upper
95 100
174 0.0 0.0 183.6
176 0.0 0.0 180.2

Instrument :
MSVOA_D
ClientSampleId :
MW-1-(17-20)

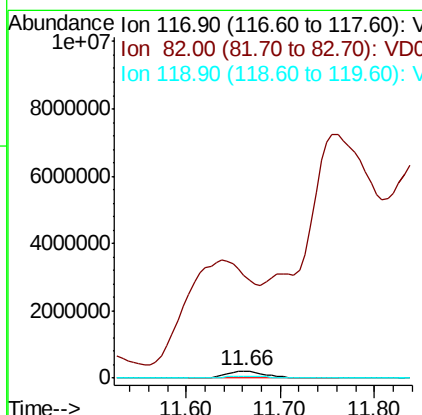
Manual Integrations
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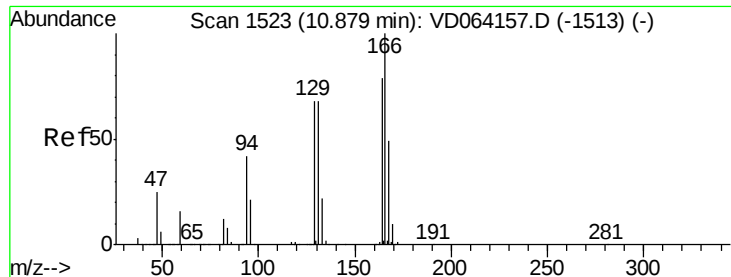
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Tgt Ion: 117 Resp: 605742
Ion Ratio Lower Upper
117 100
82 272.2 42.8 64.2#
119 31.7 25.6 38.4





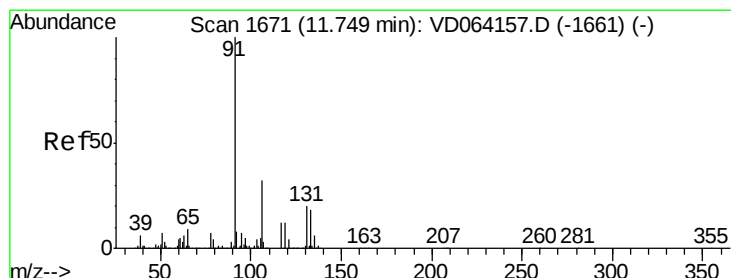
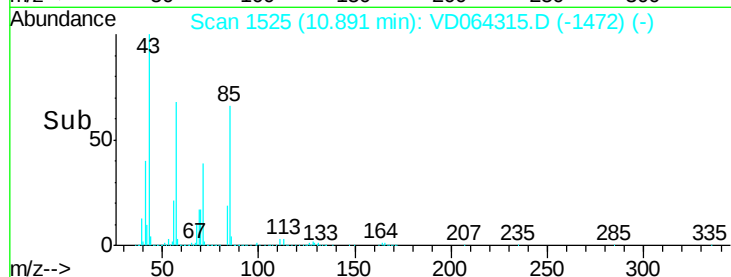
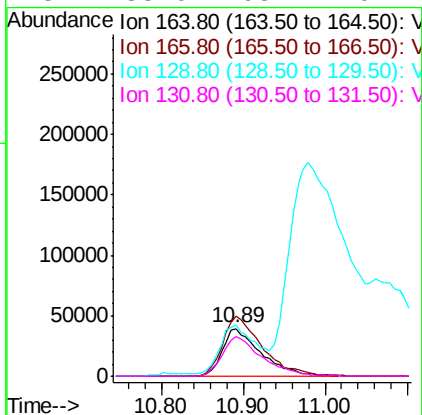
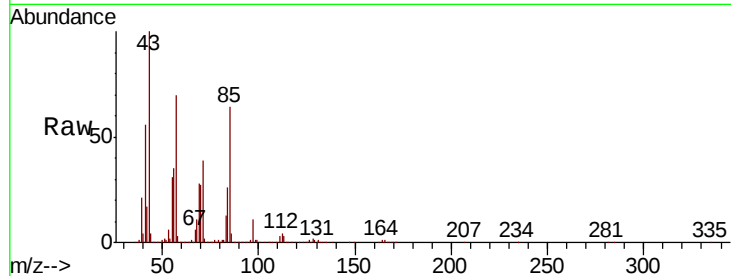
#64
Tetrachloroethene
Concen: 27.708 ug/l
RT: 10.89 min Scan# 1525
Delta R.T. 0.01 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Instrument :
MSVOA_D
ClientSampleId :
MW-1-(17-20)

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.4	100.8	151.2
129	102.8	68.7	103.1
131	83.0	68.1	102.1

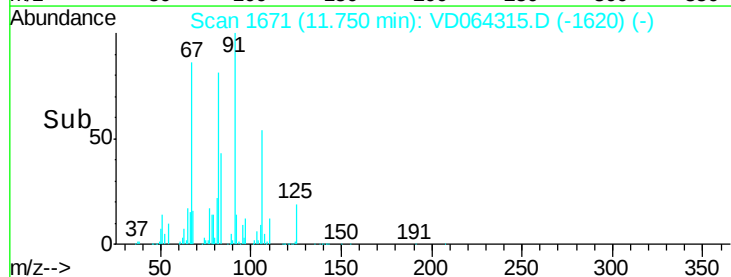
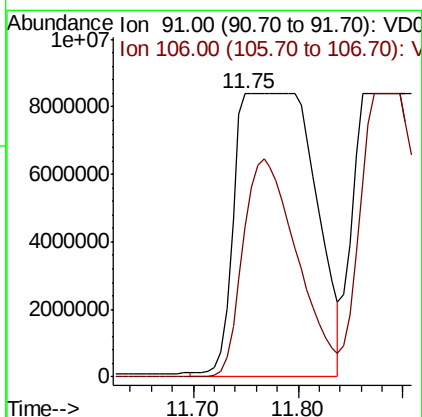
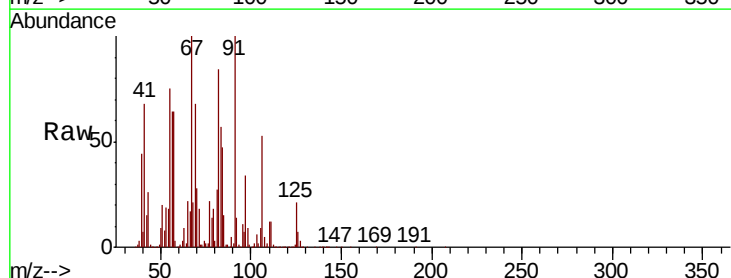
Manual Integrations
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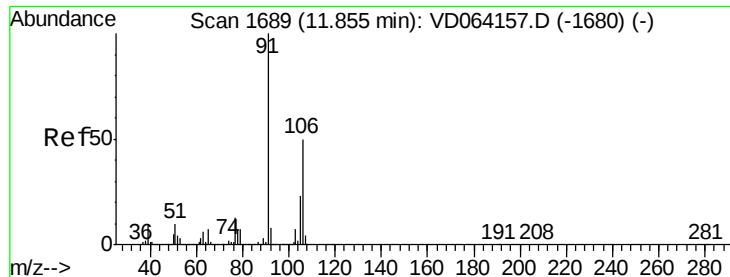
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#67
Ethyl Benzene
Concen: 1997.547 ug/l m
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Tgt Ion	Ratio	Lower	Upper
91	100		
106	53.0	25.5	38.3





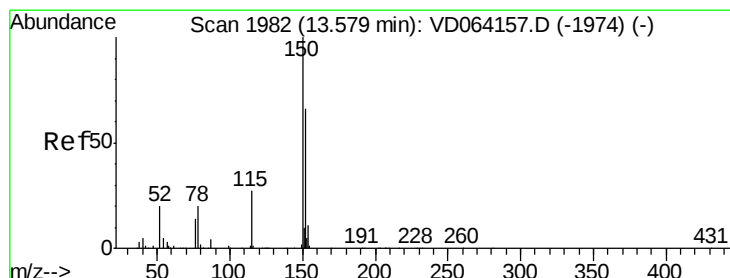
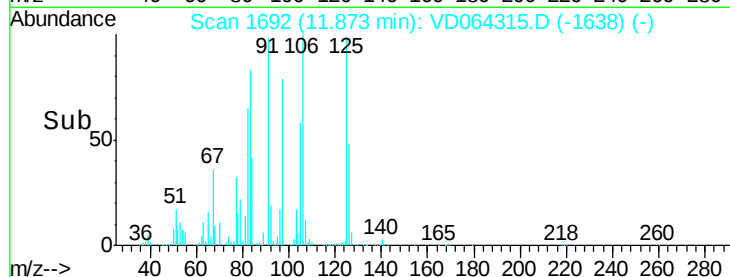
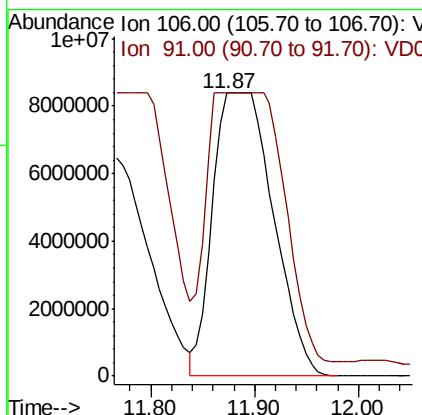
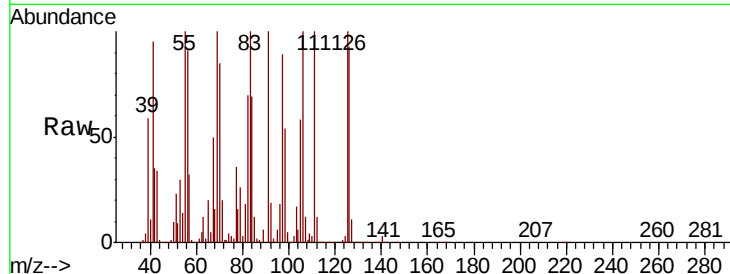
#68
m/p-Xvlenes
Concen: 3968.432 ug/l m
RT: 11.87 min Scan# 1692
Delta R.T. 0.02 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Instrument :
MSVOA_D
ClientSampleId :
MW-1-(17-20)

Tot Ion:106 Resp:33891486
Ion Ratio Lower Upper
106 100
91 6.1 160.3 240.5#

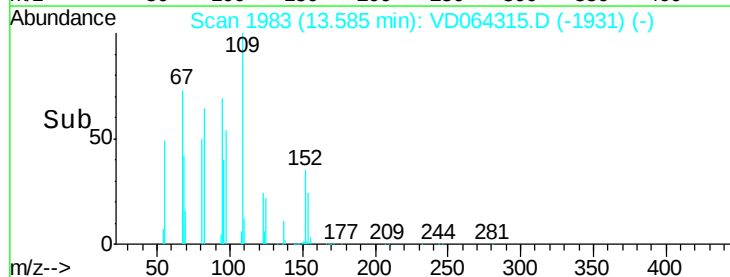
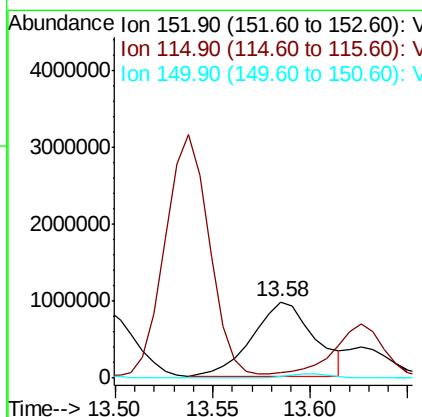
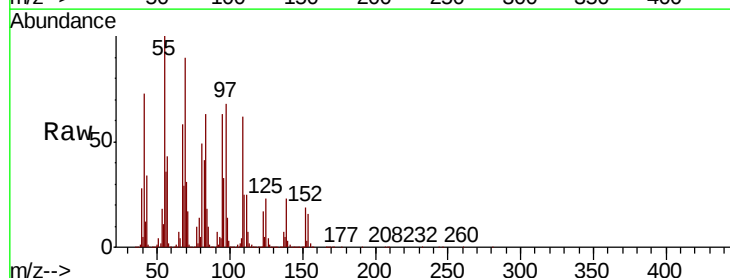
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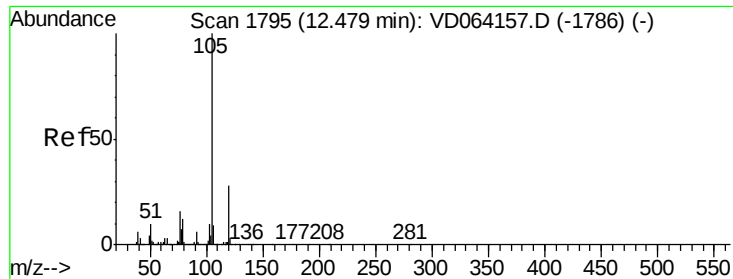
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Tgt Ion:152 Resp: 2105076
Ion Ratio Lower Upper
152 100
115 0.0 27.4 82.2#
150 4.1 0.0 351.6





#73

Isopropylbenzene

Concen: 264.353 ug/l m

RT: 12.50 min Scan# 1798

Delta R.T. 0.02 min

Lab File: VD064315.D

Acq: 20 Nov 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

MW-1-(17-20)

Tot Ion:105 Resp:40845714

Ion Ratio Lower Upper

105 100

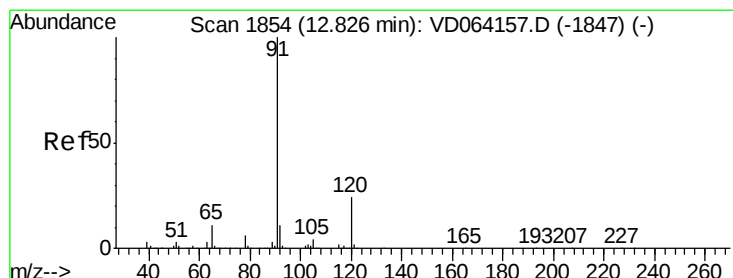
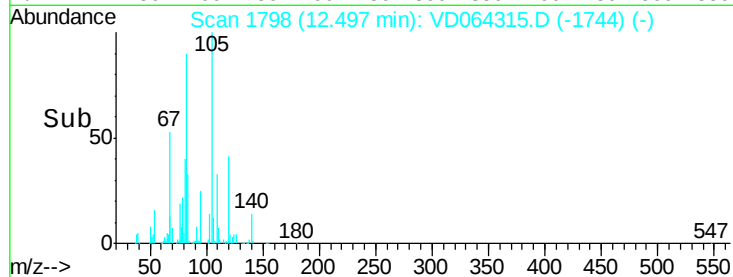
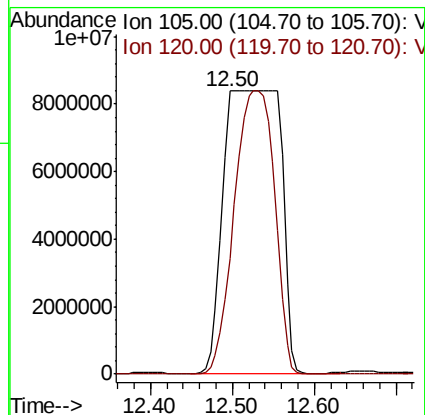
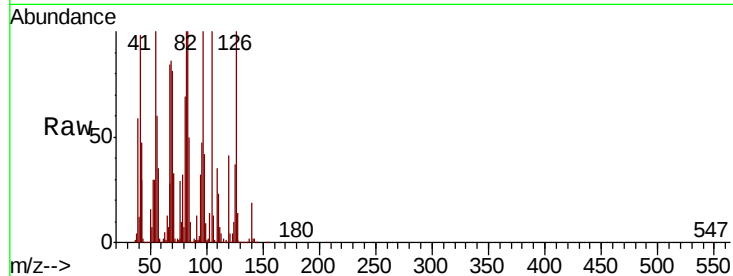
120 0.0 13.6 40.8#

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#78

n-propylbenzene

Concen: 235.720 ug/l m

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD064315.D

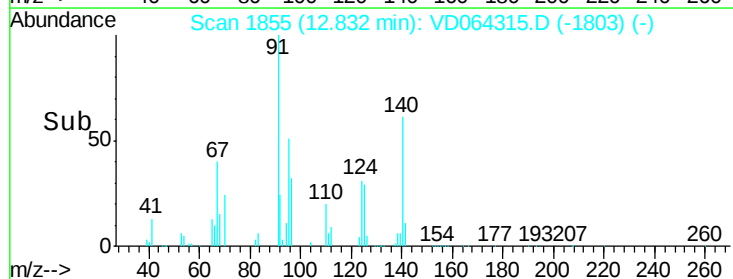
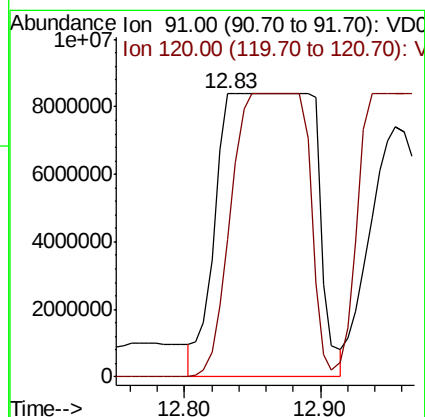
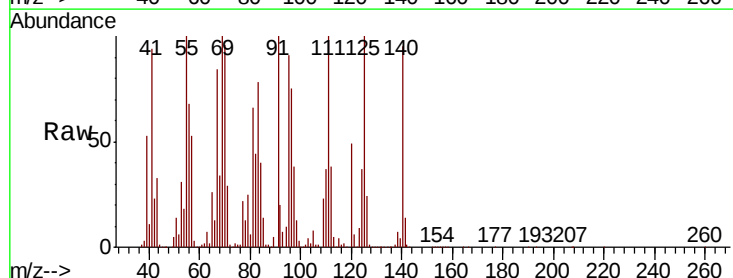
Acq: 20 Nov 2019 16:15

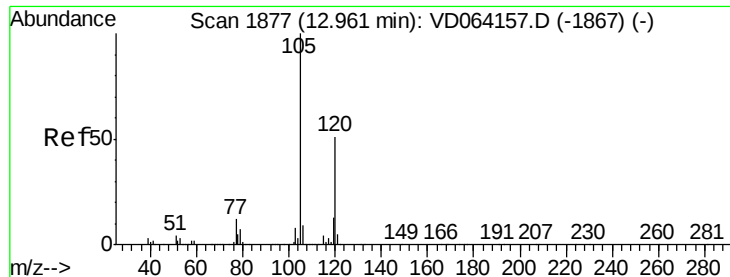
Tgt Ion: 91 Resp:41612015

Ion Ratio Lower Upper

91 100

120 8.2 11.8 35.4#





#80

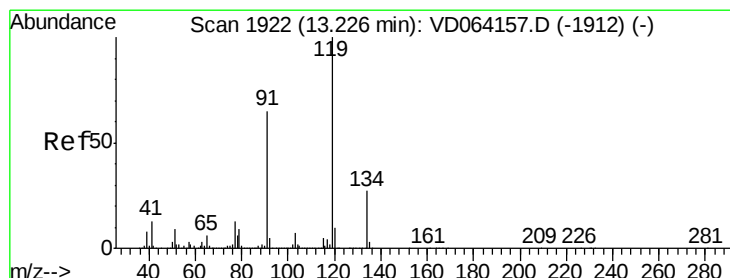
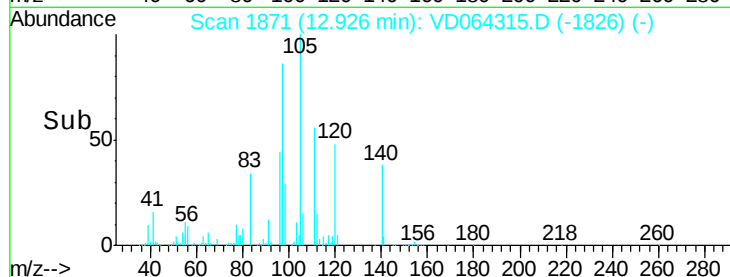
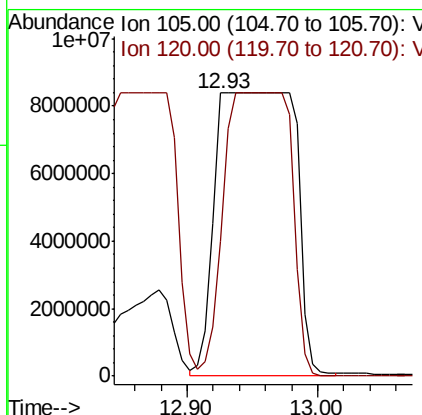
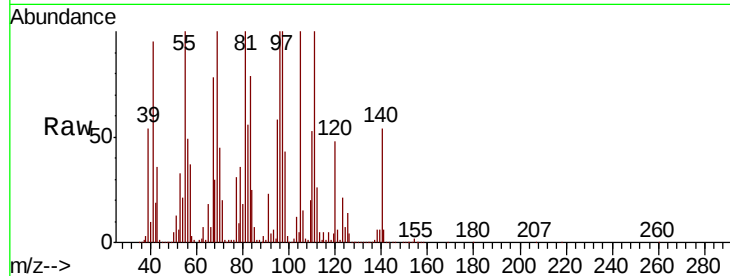
1,3,5-Trimethylbenzene
Concen: 278.152 ug/l m
RT: 12.93 min Scan# 1871
Delta R.T. -0.04 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Instrument :
MSVOA_D
ClientSampleId :
MW-1-(17-20)

Tot Ion:105 Resp:35314956
Ion Ratio Lower Upper
105 100
120 1.5 25.4 76.4#

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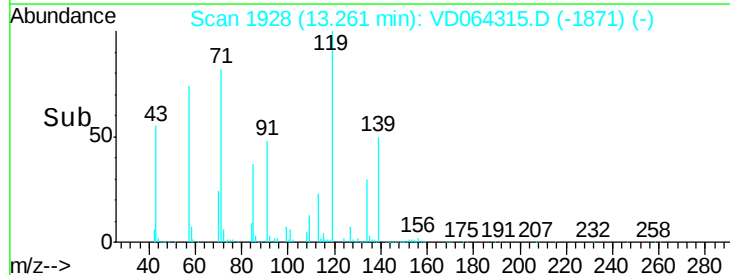
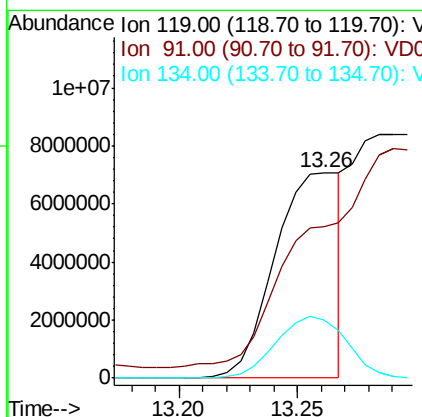
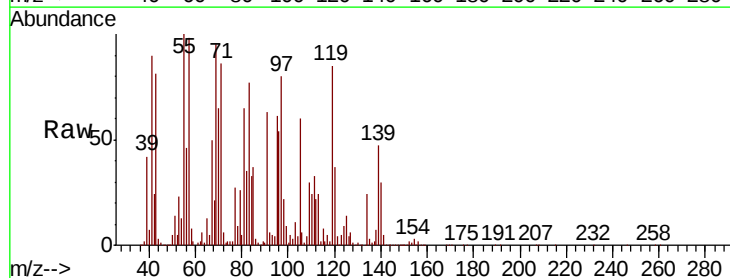
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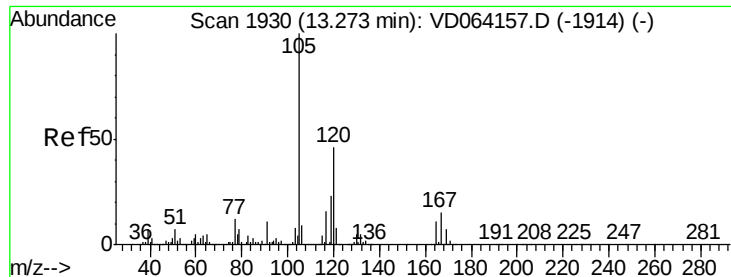


#83

tert-Butylbenzene
Concen: 121.066 ug/l m
RT: 13.26 min Scan# 1928
Delta R.T. 0.04 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Tgt Ion:119 Resp:13553726
Ion Ratio Lower Upper
119 100
91 290.8 31.8 95.4#
134 0.0 13.7 41.0#





#84

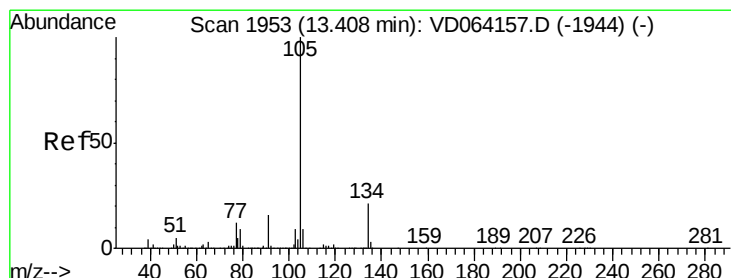
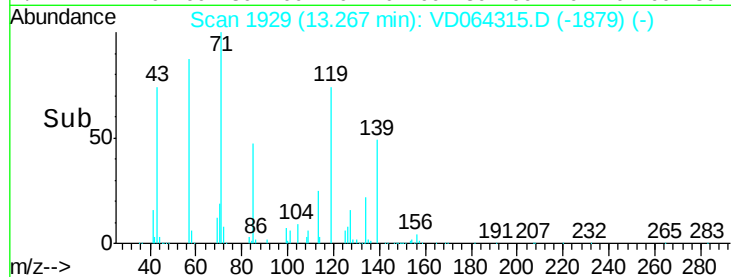
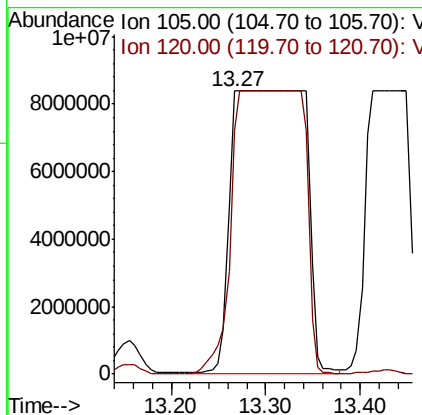
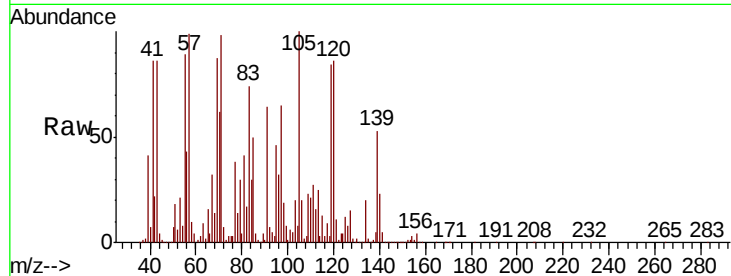
1,2,4-Trimethylbenzene
Concen: 362.123 ug/l m
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Instrument :
MSVOA_D
ClientSampleId :
MW-1-(17-20)

Tot Ion:105 Resp:45390371
Ion Ratio Lower Upper
105 100
120 1.2 23.3 69.8#

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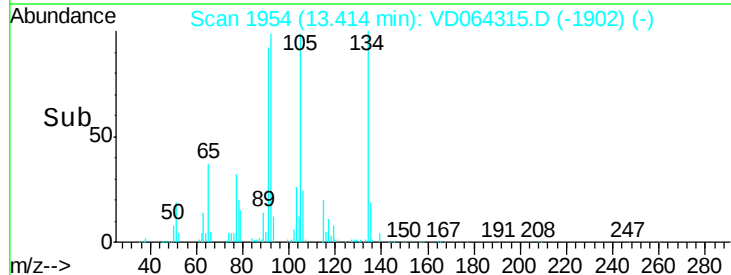
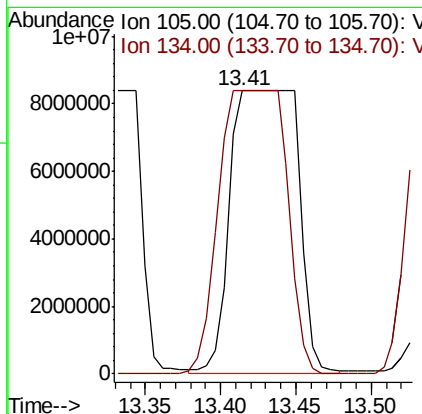
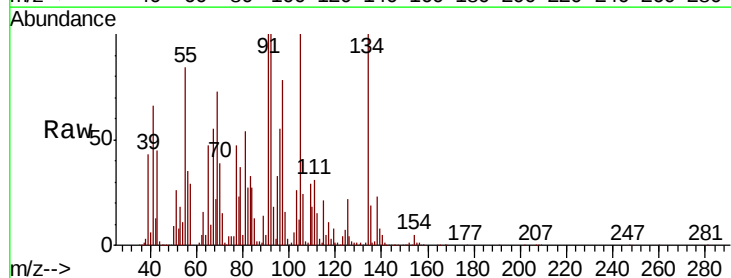
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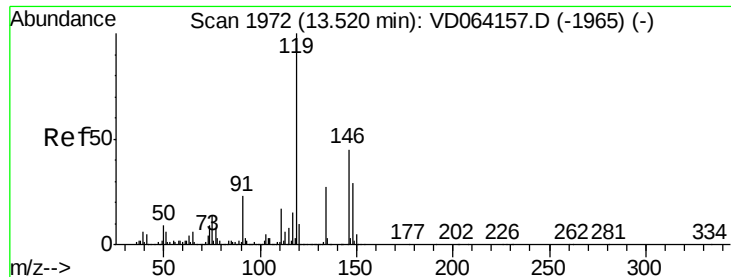


#85

sec-Butylbenzene
Concen: 174.329 ug/l m
RT: 13.41 min Scan# 1954
Delta R.T. 0.01 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Tgt Ion:105 Resp:26212625
Ion Ratio Lower Upper
105 100
134 58.6 10.7 31.9#





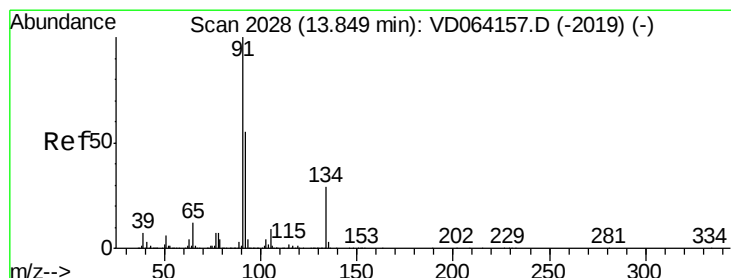
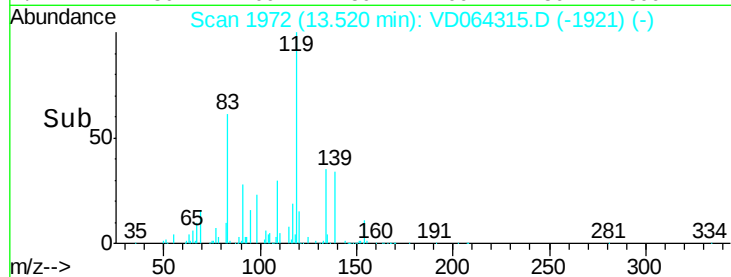
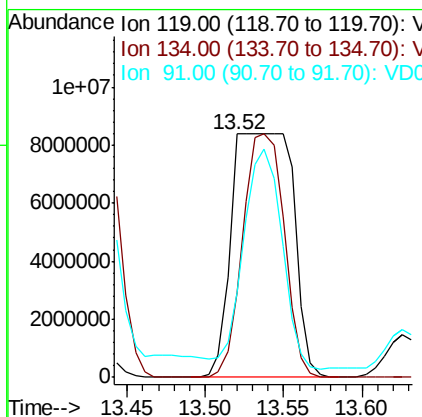
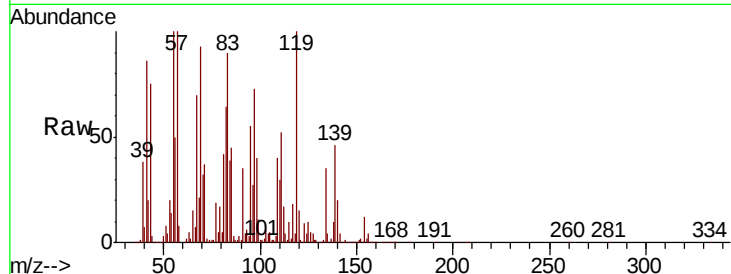
#86
 p-Isopropyltoluene
 Concen: 160.322 ug/l m
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-1-(17-20)

Tot Ion:119 Resp:22917964
 Ion Ratio Lower Upper
 119 100
 134 17.5 13.5 40.5
 91 14.4 11.5 34.4

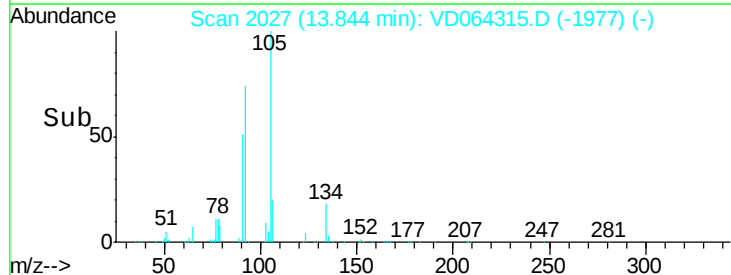
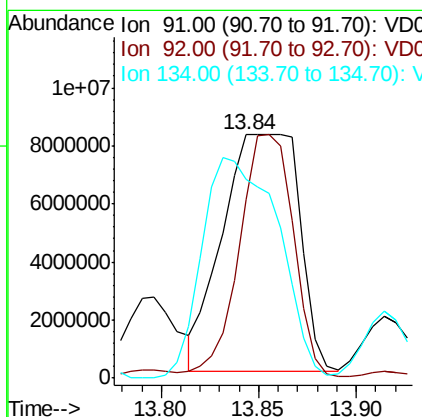
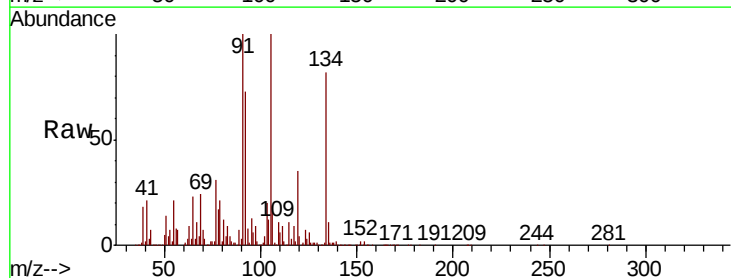
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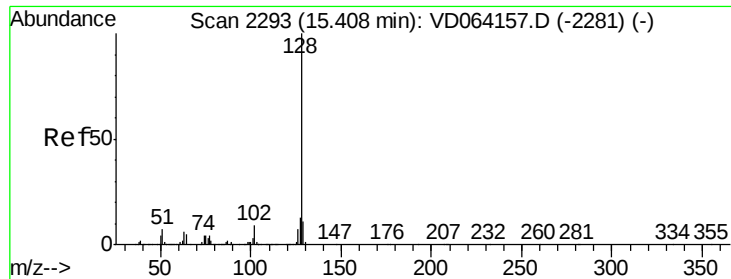
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#89
 n-Butylbenzene
 Concen: 171.533 ug/l
 RT: 13.84 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: VD064315.D
 Acq: 20 Nov 2019 16:15

Tgt Ion: 91 Resp:22153075
 Ion Ratio Lower Upper
 91 100
 92 72.5 27.3 81.8
 134 0.0 14.1 42.4#





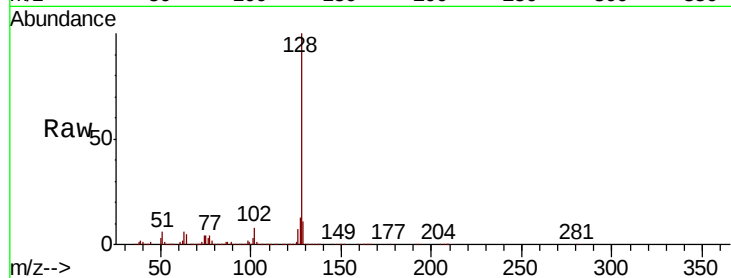
#95
Naphthalene
Concen: 17.947 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064315.D
Acq: 20 Nov 2019 16:15

Instrument :
MSVOA_D
ClientSampleId :
MW-1-(17-20)

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.9	8.6	13.0

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Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

