

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
 Data File : VD064314.D
 Acq On : 20 Nov 2019 15:47
 Operator : VA/SY
 Sample : K5957-01
 Misc : 4.98G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-1-(12-14)

Manual Integrations
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 11/22/2019 12:52:16 AM

Quant Time: Nov 20 16:46:40 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	856533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1255501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1024000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	3818197	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	374148	53.11	ug/l	0.00
Spiked Amount						
			Recovery	=	106.22%	
35) Dibromofluoromethane	7.92	113	387104	53.71	ug/l	0.00
Spiked Amount						
			Recovery	=	107.42%	
50) Toluene-d8	10.34	98	1436109	52.82	ug/l	0.00
Spiked Amount						
			Recovery	=	105.64%	
62) 4-Bromofluorobenzene	12.65	95	6767527	718.80	ug/l	0.01
Spiked Amount						
			Recovery	=	1437.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.26	59	11528	23.430	ug/l	94
16) Acetone	4.18	43	21538	12.906	ug/l	98
39) Methylcyclohexane	9.36	83	45514	3.104	ug/l #	85
64) Tetrachloroethene	10.88	164	16005	2.032	ug/l	90
73) Isopropylbenzene	12.50	105	10822900	38.618	ug/l	98
78) n-propylbenzene	12.84	91	11964308	37.366	ug/l	99
83) tert-Butylbenzene	13.24	119	8111885	39.948	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	29185673m	128.372	ug/l	
85) sec-Butylbenzene	13.41	105	18819863	69.006	ug/l #	53
86) p-Isopropyltoluene	13.54	119	5365505	20.694	ug/l	96
89) n-Butylbenzene	13.86	91	16263998	69.431	ug/l #	67

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

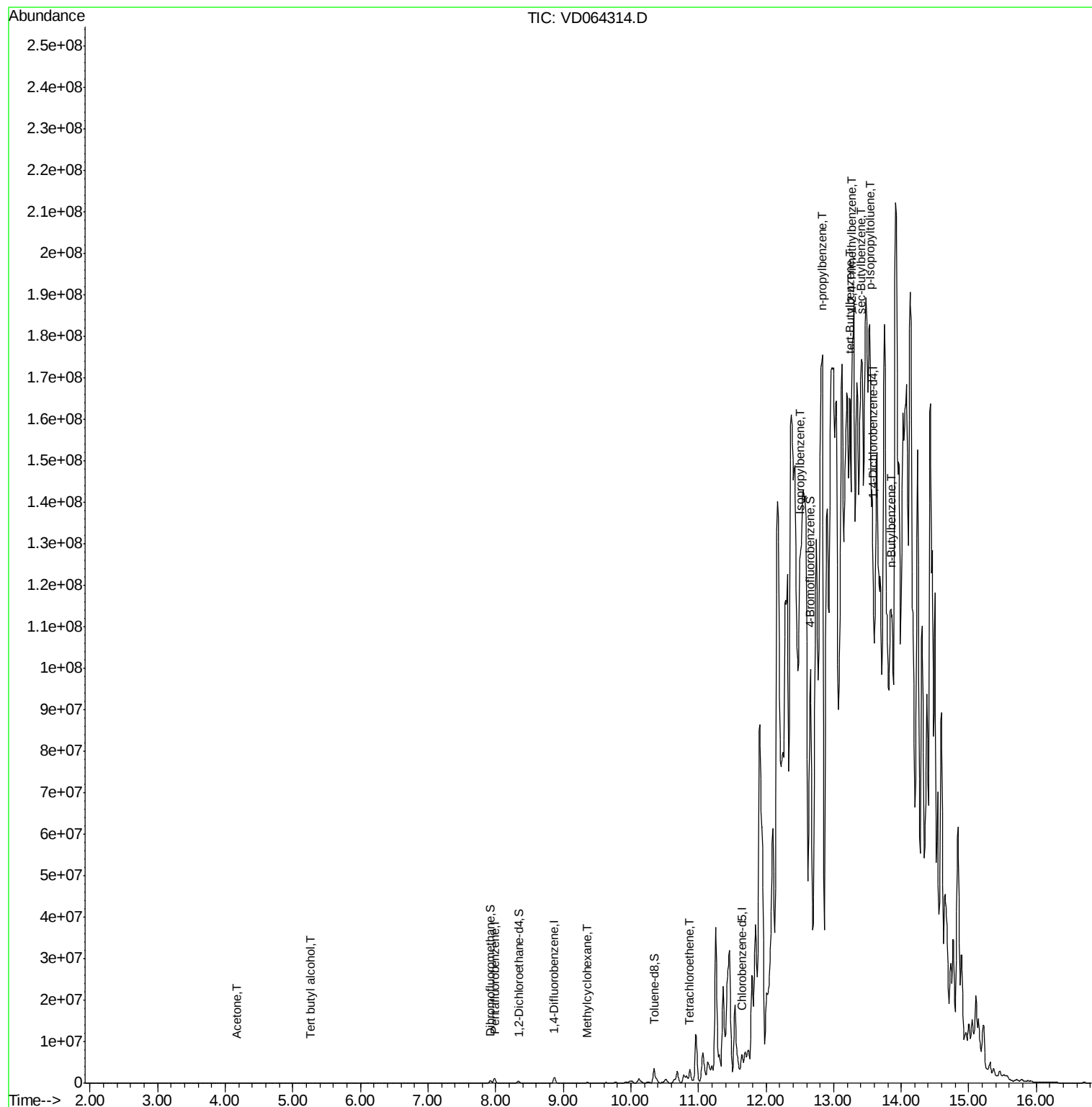
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112019\
Data File : VD064314.D
Acq On : 20 Nov 2019 15:47
Operator : VA/SY
Sample : K5957-01
Misc : 4.98G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

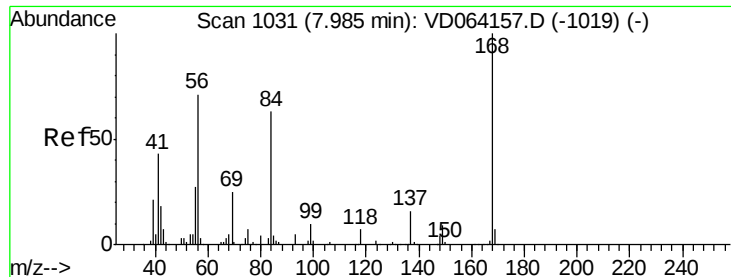
Instrument :
MSVOA_D
ClientSampleId :
MW-1-(12-14)

Quant Time: Nov 20 16:46:40 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# 1031

Delta R.T. 0.00 min

Lab File: VD064314.D

Acq: 20 Nov 2019 15:47

Instrument :

MSVOA_D

ClientSampleId :

MW-1-(12-14)

Tot Ion:168 Resp: 856533

Ion Ratio Lower Upper

168 100

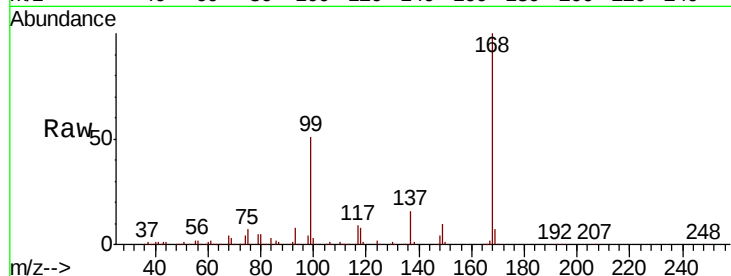
99 50.5 41.6 62.4

Manual Integrations

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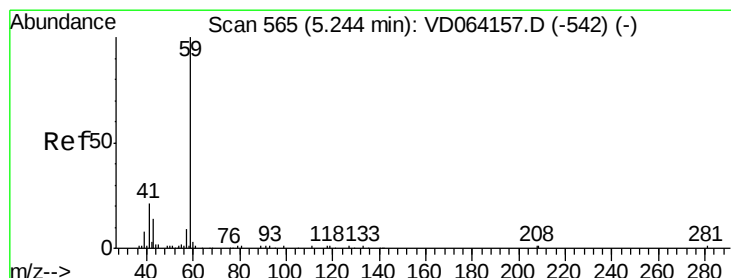
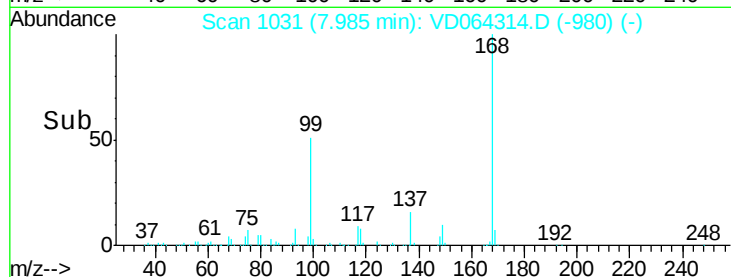
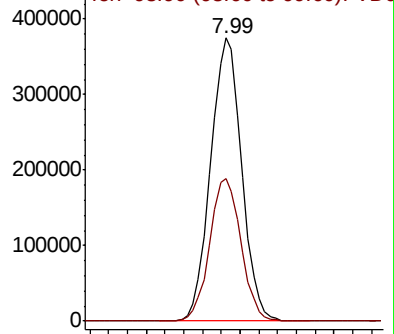
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 23.430 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD064314.D

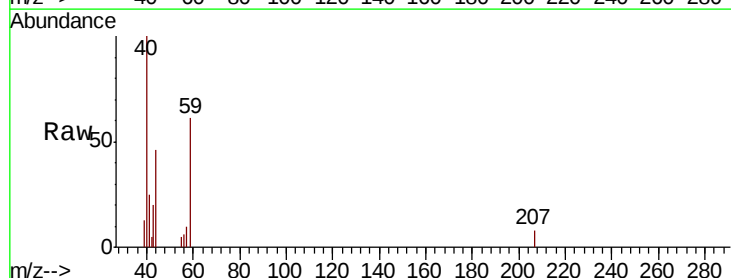
Acq: 20 Nov 2019 15:47

Tgt Ion: 59 Resp: 11528

Ion Ratio Lower Upper

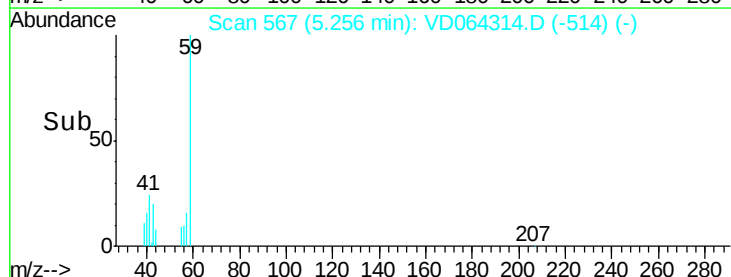
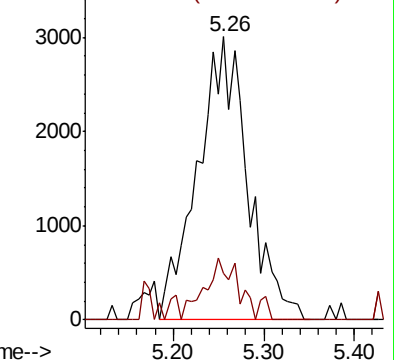
59 100

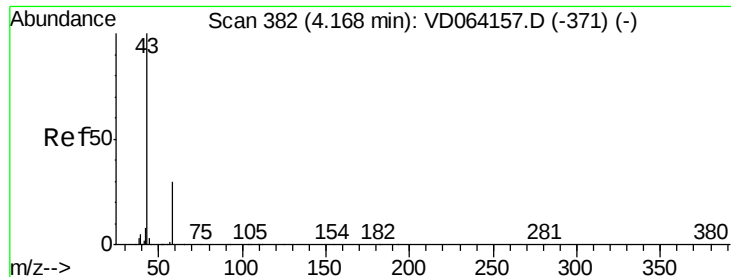
57 14.2 9.4 14.2



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





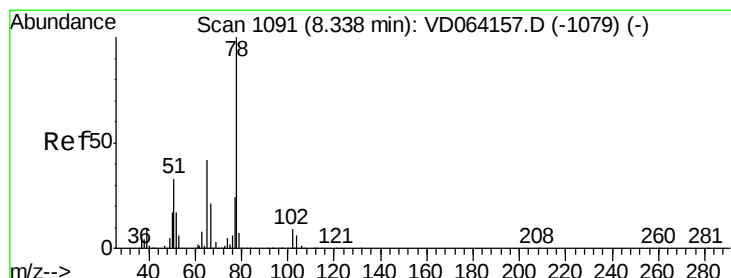
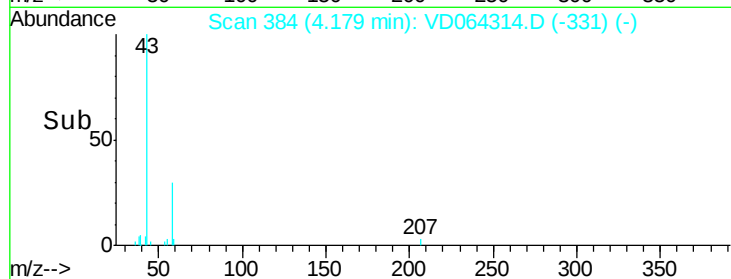
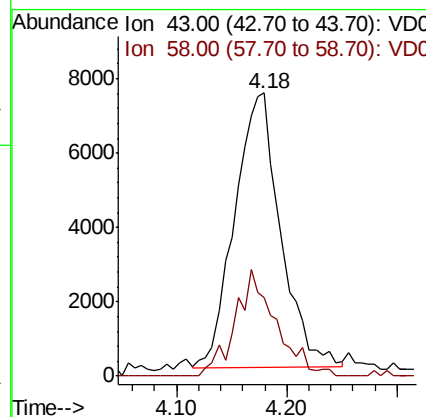
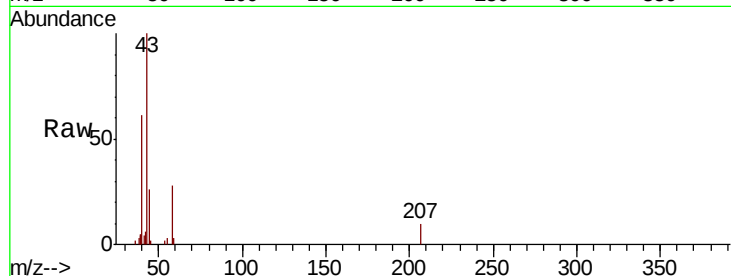
#16
Acetone
Concen: 12.906 ug/l
RT: 4.18 min Scan# 384
Delta R.T. 0.01 min
Lab File: VD064314.D
Acq: 20 Nov 2019 15:47

Instrument :
MSVOA_D
ClientSampleId :
MW-1-(12-14)

Tot Ion	43	Resp	21538
Ion Ratio	43	100	
Lower	58	28.8	24.1
Upper			36.1

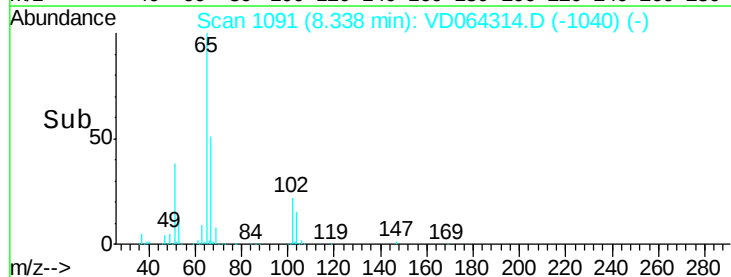
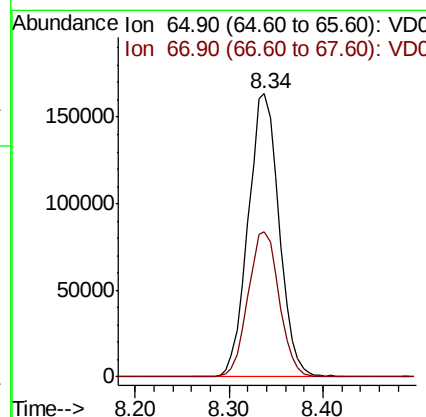
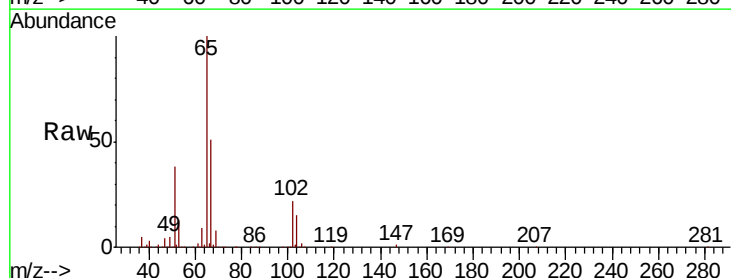
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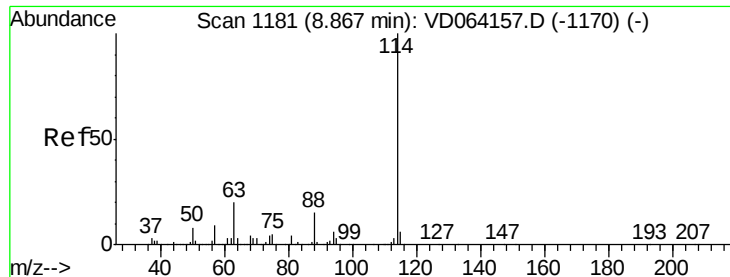
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#33
1,2-Dichloroethane-d4
Concen: 53.112 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064314.D
Acq: 20 Nov 2019 15:47

Tgt Ion	65	Resp	374148
Ion Ratio	65	100	
Lower	67	51.5	0.0
Upper			104.4





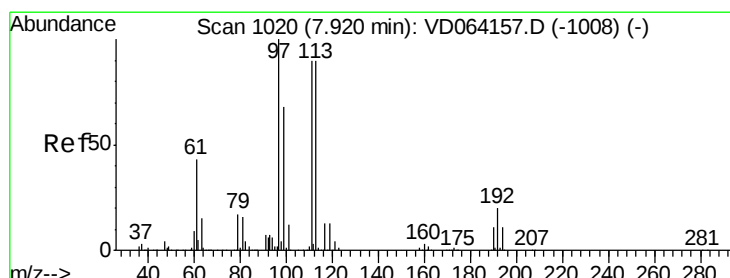
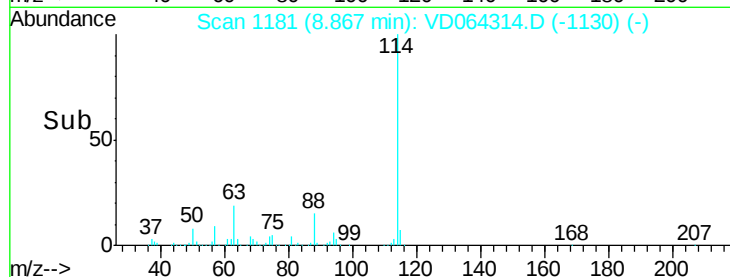
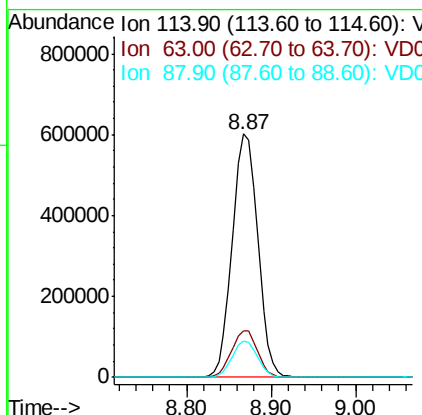
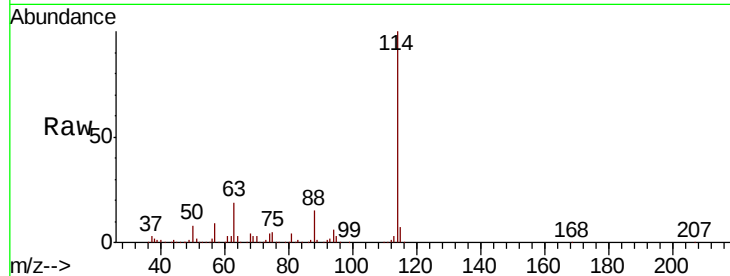
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064314.D
 Acq: 20 Nov 2019 15:47

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-1-(12-14)

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	40.0
88	15.0	0.0	30.2

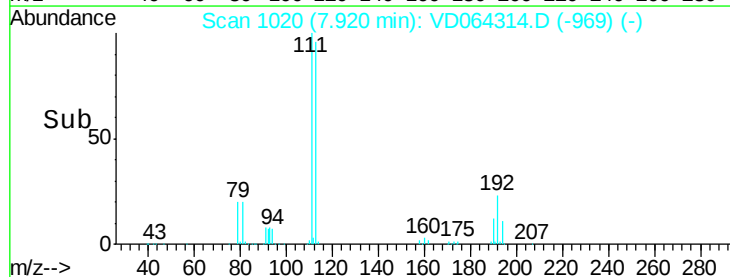
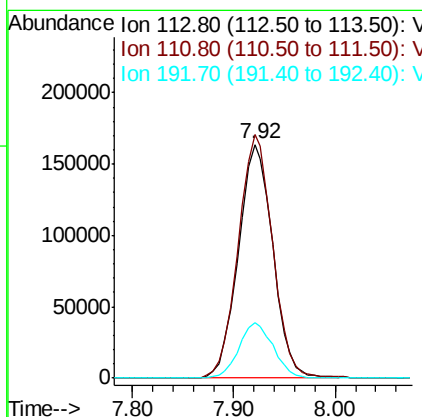
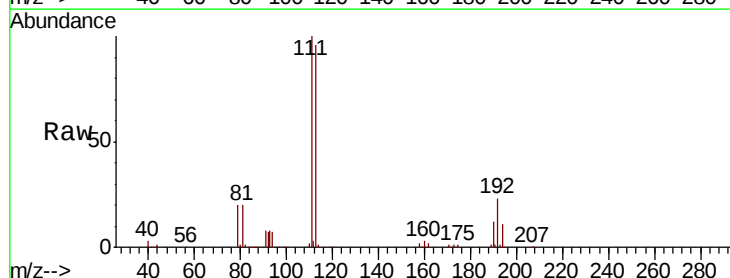
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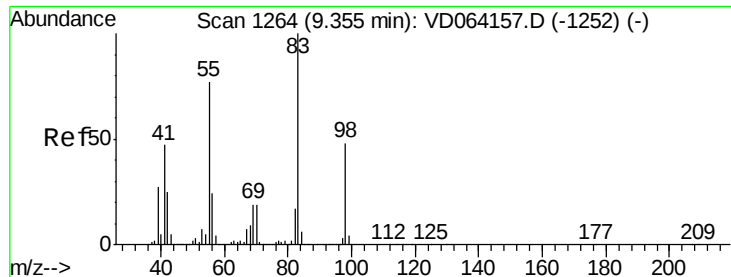
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#35
 Dibromofluoromethane
 Concen: 53.714 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064314.D
 Acq: 20 Nov 2019 15:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.5	122.3
192	23.8	18.8	28.2





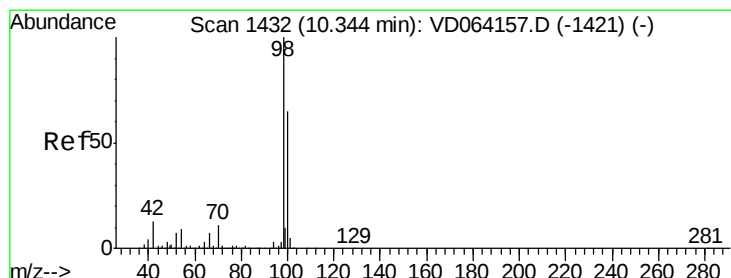
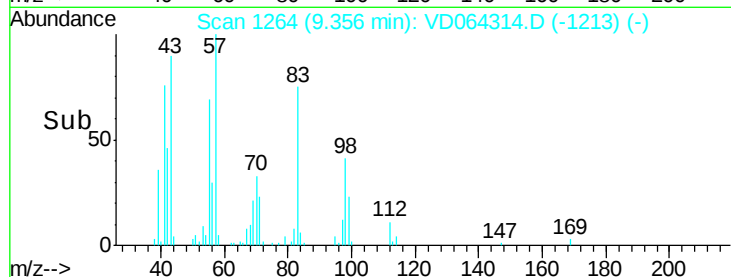
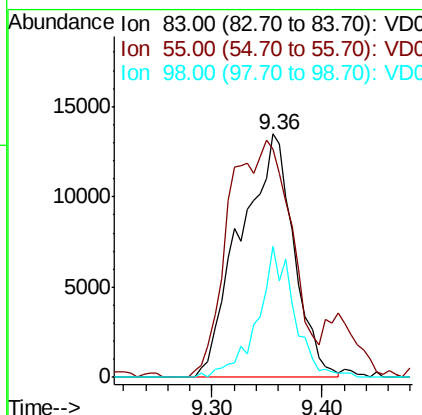
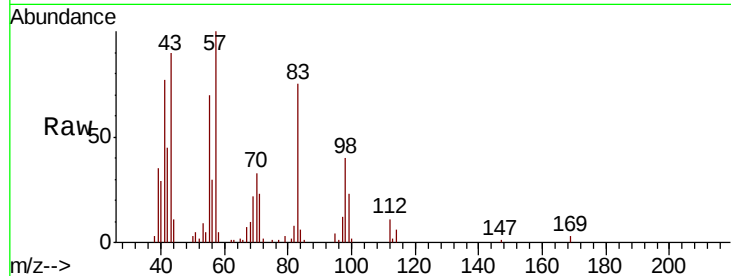
#39
Methylcyclohexane
Concen: 3.104 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064314.D
Acq: 20 Nov 2019 15:47

Instrument :
MSVOA_D
ClientSampleId :
MW-1-(12-14)

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.6	61.7	92.5#
98	53.7	38.6	58.0

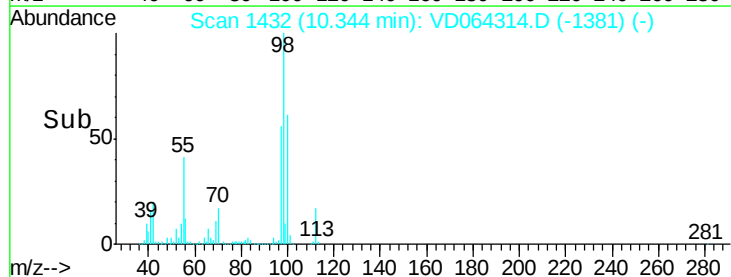
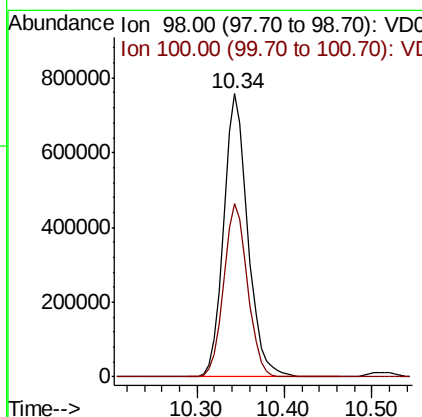
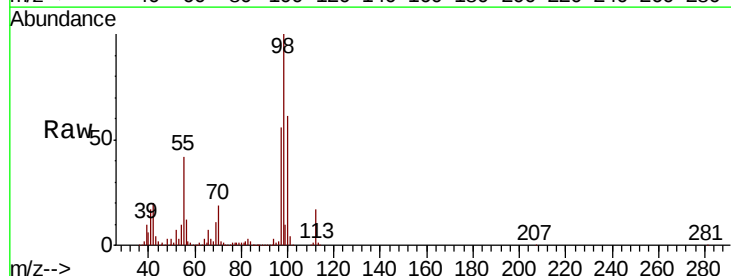
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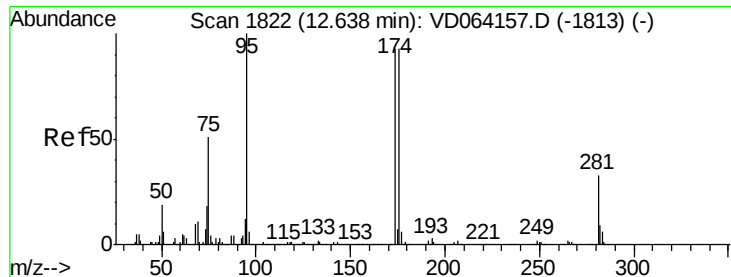
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#50
Toluene-d8
Concen: 52.823 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064314.D
Acq: 20 Nov 2019 15:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	60.2	52.6	78.8





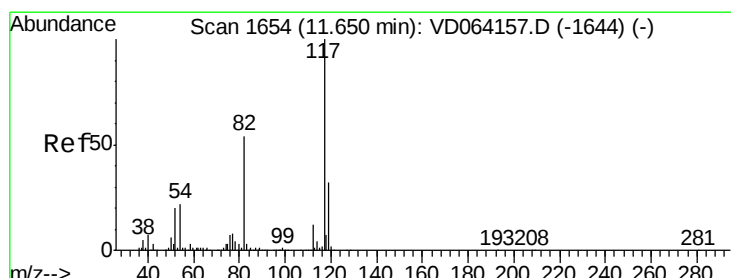
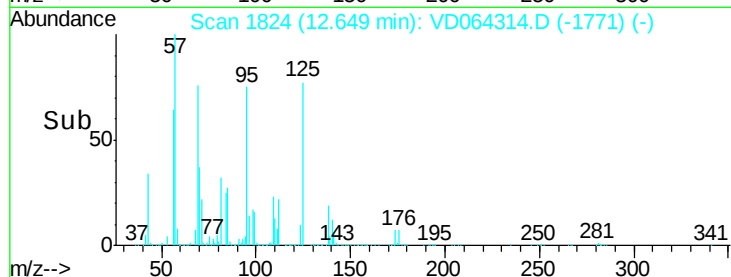
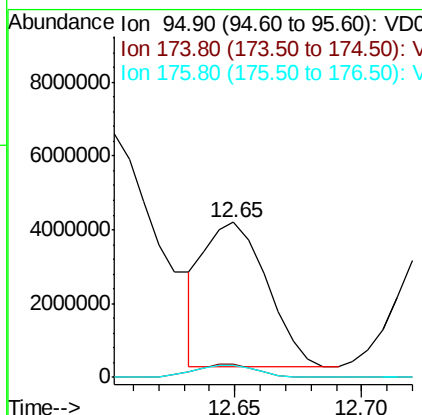
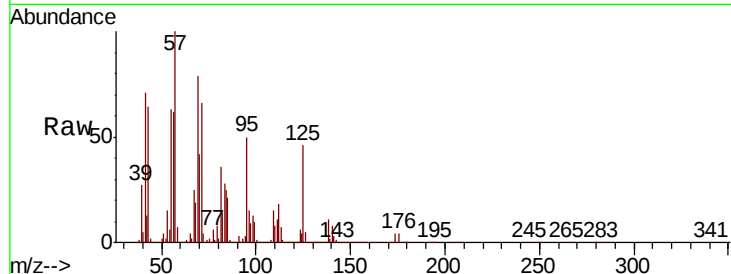
#62
4-Bromofluorobenzene
Concen: 718.798 ug/l
RT: 12.65 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VD064314.D
Acq: 20 Nov 2019 15:47

Instrument :
MSVOA_D
ClientSampleId :
MW-1-(12-14)

Tot Ion: 95 Resp: 6767527
Ion Ratio Lower Upper
95 100
174 8.9 0.0 183.6
176 8.7 0.0 180.2

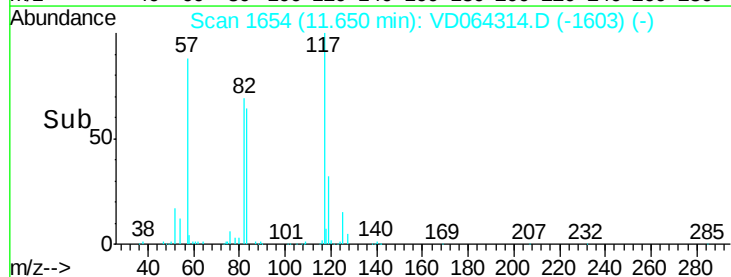
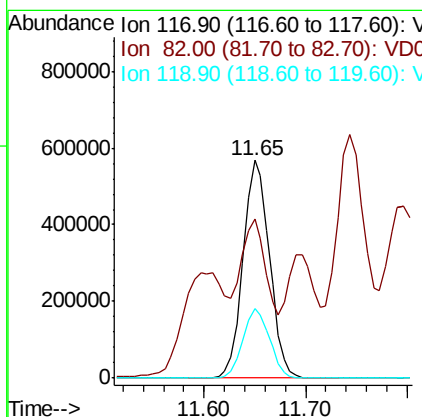
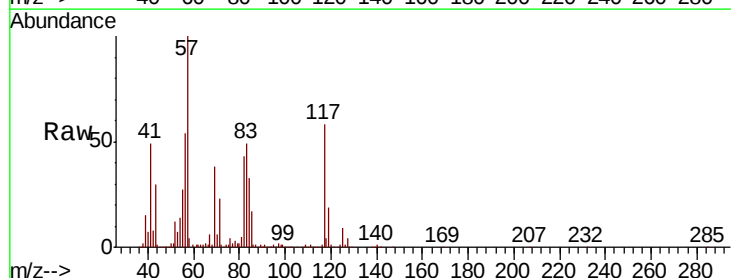
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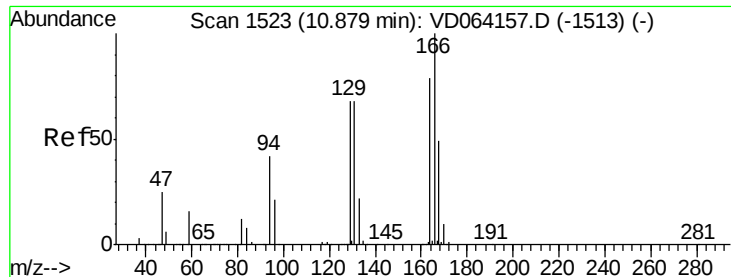
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064314.D
Acq: 20 Nov 2019 15:47

Tgt Ion: 117 Resp: 1024000
Ion Ratio Lower Upper
117 100
82 33.9 42.8 64.2#
119 32.0 25.6 38.4





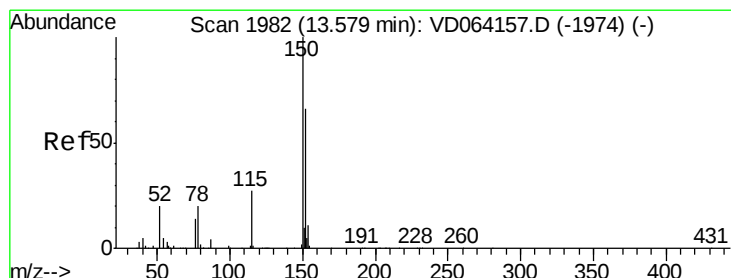
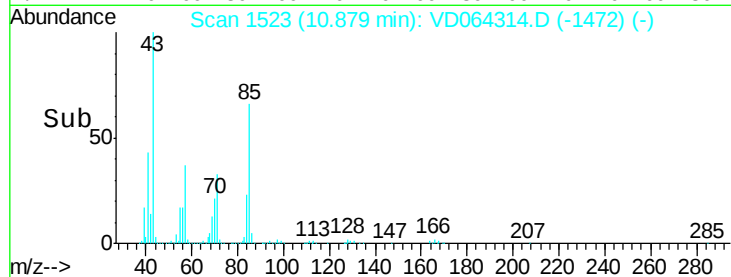
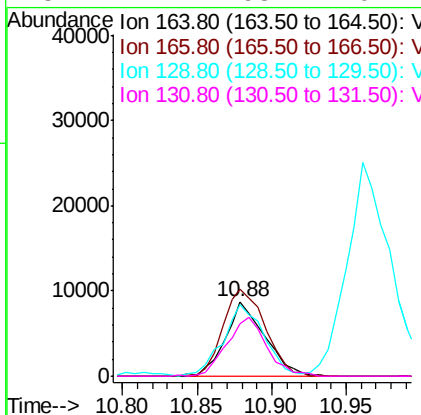
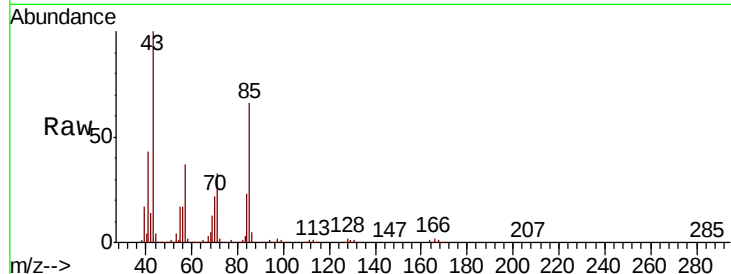
#64
Tetrachloroethene
Concen: 2.032 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064314.D
Acq: 20 Nov 2019 15:47

Instrument :
MSVOA_D
ClientSampleId :
MW-1-(12-14)

Tot Ion	Ratio	Lower	Upper
164	100		
166	116.9	100.8	151.2
129	94.1	68.7	103.1
131	71.1	68.1	102.1

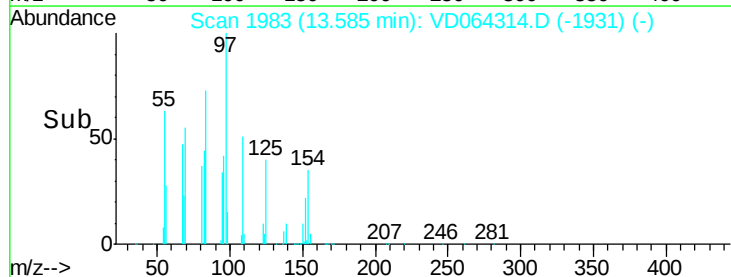
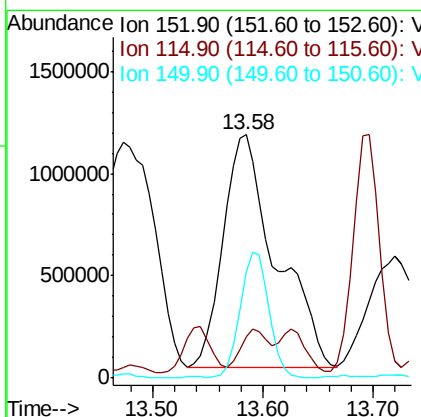
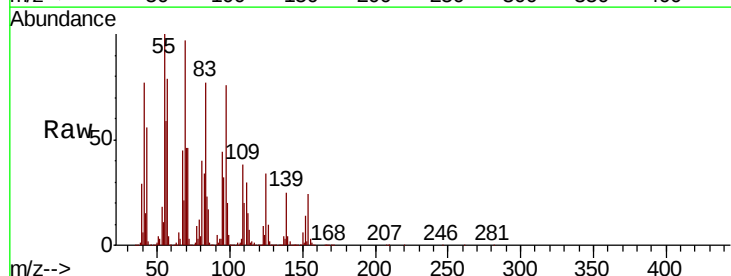
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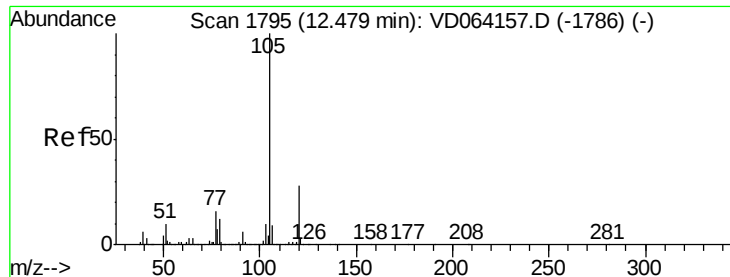
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064314.D
Acq: 20 Nov 2019 15:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	7.9	27.4	82.2#
150	29.1	0.0	351.6





#73

Isopropylbenzene

Concen: 38.618 ug/l

RT: 12.50 min Scan# 1798

Delta R.T. 0.02 min

Lab File: VD064314.D

Acq: 20 Nov 2019 15:47

Instrument :

MSVOA_D

ClientSampleId :

MW-1-(12-14)

Tot Ion:105 Resp:10822900

Ion Ratio Lower Upper

105 100

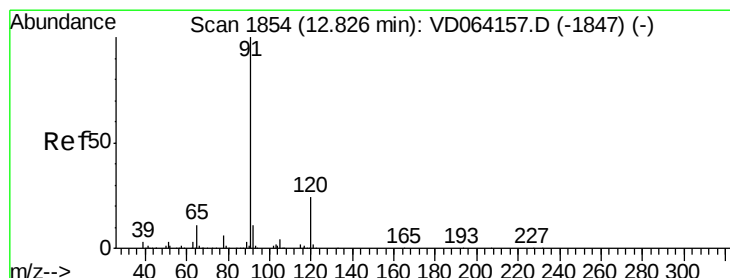
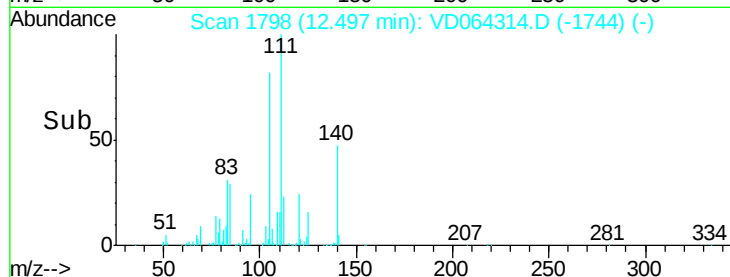
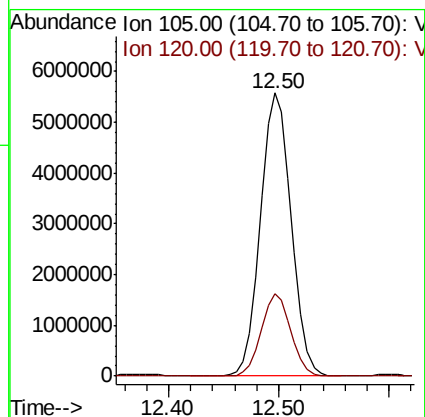
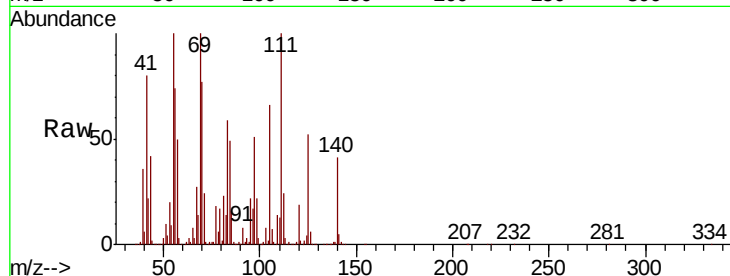
120 28.1 13.6 40.8

Manual Integrations

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#78

n-propylbenzene

Concen: 37.366 ug/l

RT: 12.84 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VD064314.D

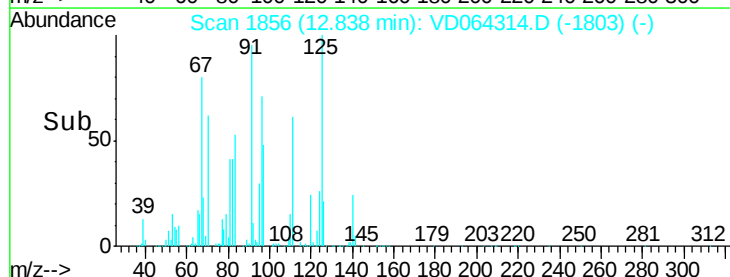
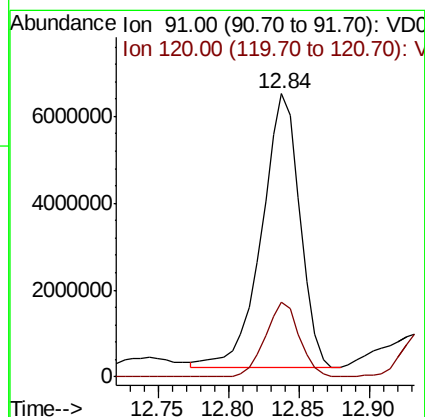
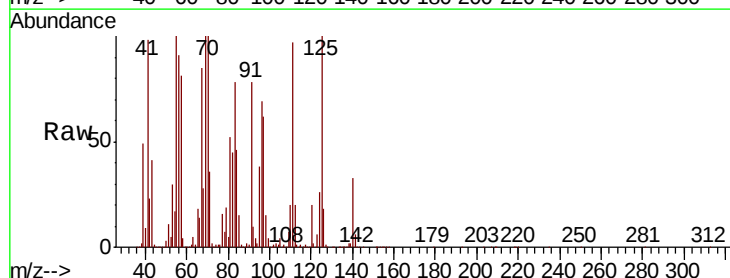
Acq: 20 Nov 2019 15:47

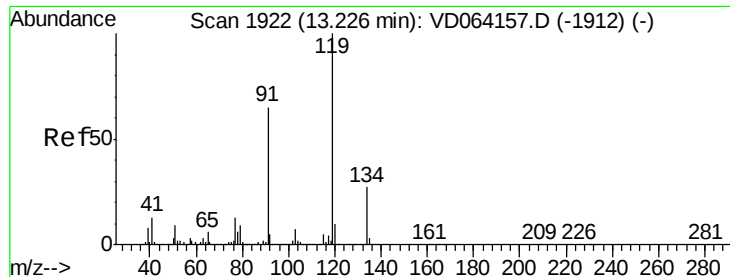
Tgt Ion: 91 Resp:11964308

Ion Ratio Lower Upper

91 100

120 24.3 11.8 35.4





#83

tert-Butylbenzene

Concen: 39.948 ug/l

RT: 13.24 min Scan# 1925

Delta R.T. 0.02 min

Lab File: VD064314.D

Acq: 20 Nov 2019 15:47

Instrument :

MSVOA_D

ClientSampleId :

MW-1-(12-14)

Tot Ion:119 Resp: 8111885

Ion Ratio Lower Upper

119 100

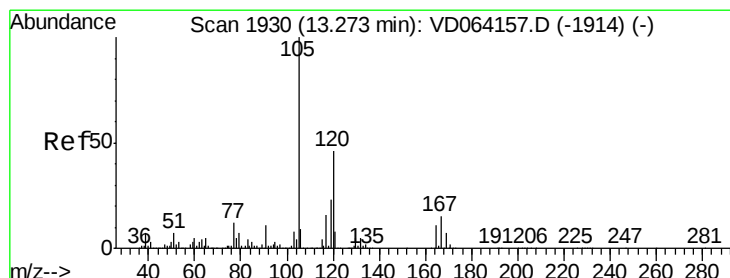
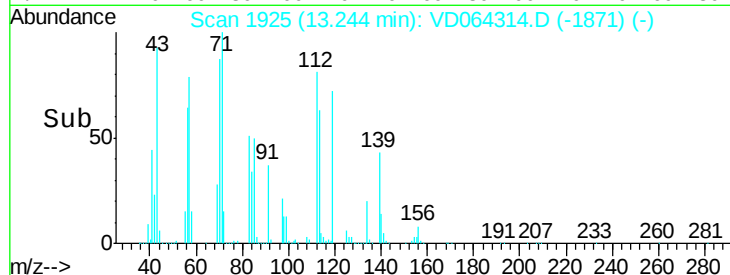
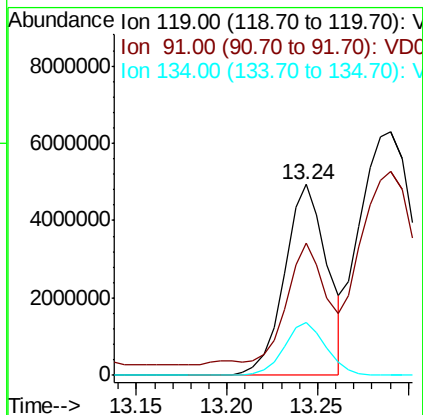
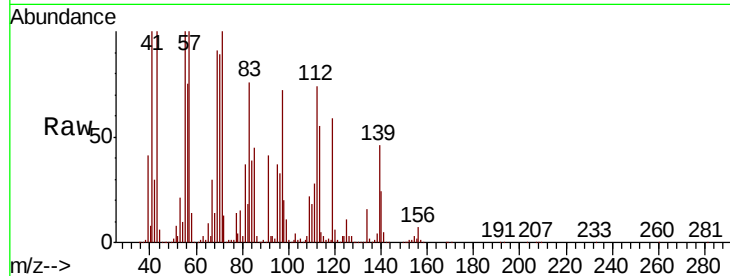
91 61.8 31.8 95.4

134 27.2 13.7 41.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 128.372 ug/l m

RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VD064314.D

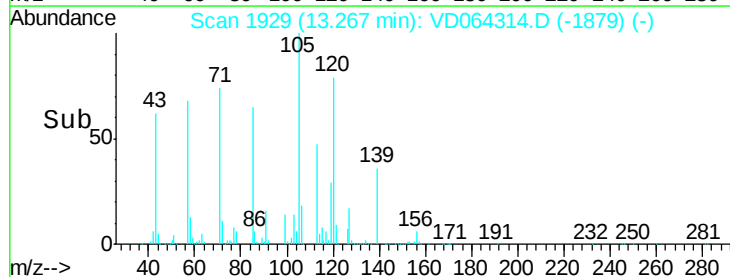
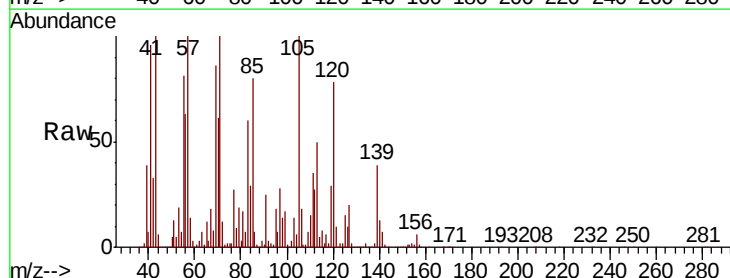
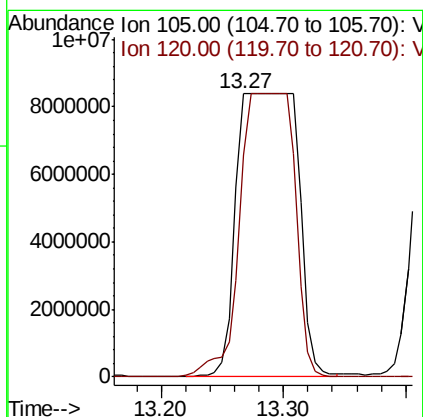
Acq: 20 Nov 2019 15:47

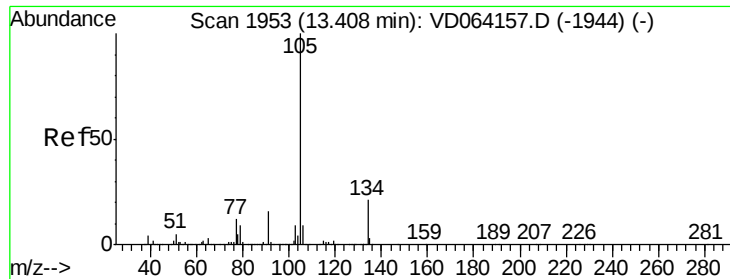
Tgt Ion:105 Resp:29185673

Ion Ratio Lower Upper

105 100

120 0.0 23.3 69.8#





#85

sec-Butylbenzene

Concen: 69.006 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD064314.D

Acq: 20 Nov 2019 15:47

Instrument :

MSVOA_D

ClientSampleId :

MW-1-(12-14)

Tot Ion:105 Resp:18819863

Ion Ratio Lower Upper

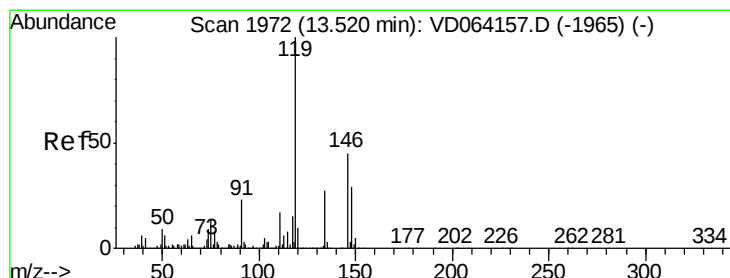
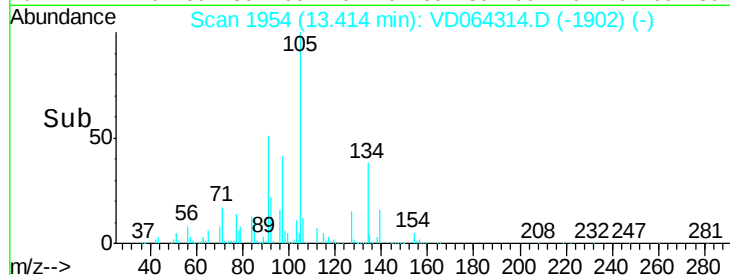
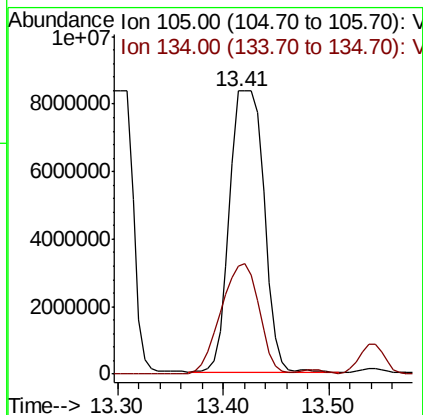
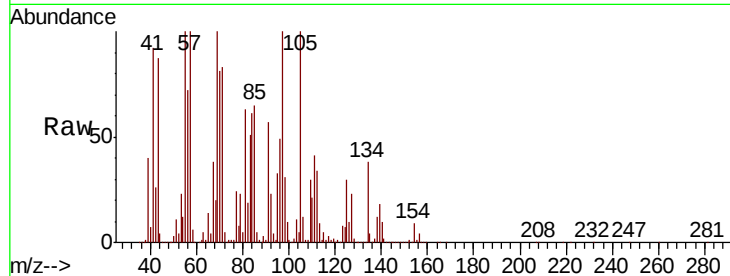
105 100

134 43.5 10.7 31.9#

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.694 ug/l

RT: 13.54 min Scan# 1976

Delta R.T. 0.02 min

Lab File: VD064314.D

Acq: 20 Nov 2019 15:47

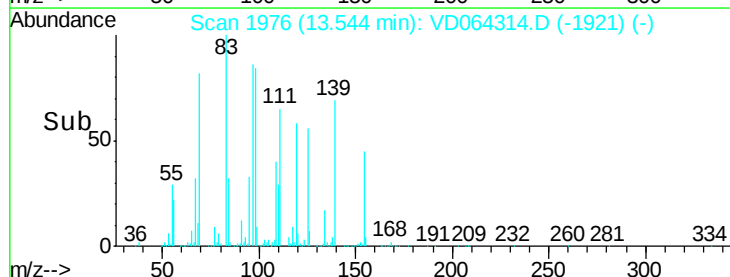
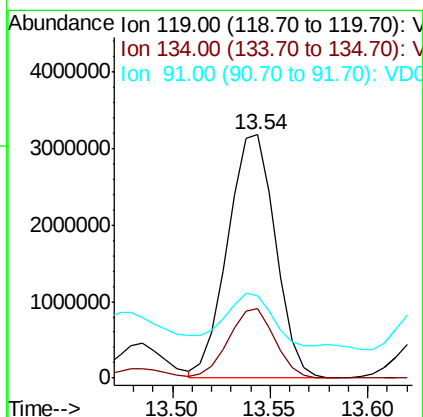
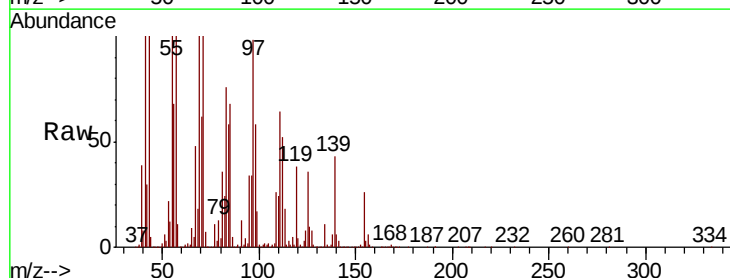
Tgt Ion:119 Resp: 5365505

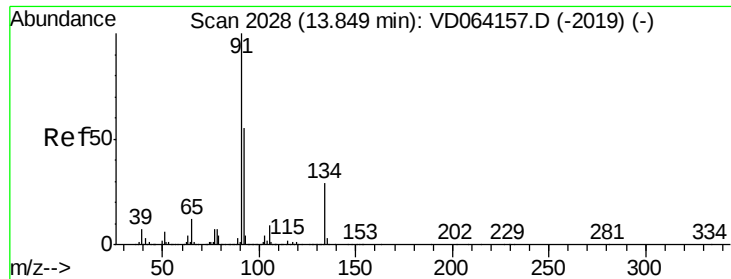
Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.5

91 26.7 11.5 34.4





#89
n-Butylbenzene
Concen: 69.431 ug/l
RT: 13.86 min Scan# 2030
Delta R.T. 0.01 min
Lab File: VD064314.D
Acq: 20 Nov 2019 15:47

Instrument :
MSVOA_D
ClientSampled :
MW-1-(12-14)

Tot Ion: 91 Resp:16263998
Ion Ratio Lower Upper
91 100
92 58.2 27.3 81.8
134 73.9 14.1 42.4#

Manual Integrations
APPROVED

MMDadoda
11/22/2019 12:52:16 AM

