

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123119\
 Data File : VD064703.D
 Acq On : 31 Dec 2019 19:07
 Operator : VA/SY
 Sample : K6465-02
 Misc : 6.50G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-11-(5-6)

Manual Integrations
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Quant Time: Jan 01 08:16:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	470213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	734163	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	660928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303915	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	234436	56.54	ug/l	0.00
Spiked Amount			Recovery	=	113.08%	
35) Dibromofluoromethane	7.92	113	234181	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
50) Toluene-d8	10.34	98	879393	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.64	95	270485	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	66459	73.056	ug/l	96
17) Carbon Disulfide	4.40	76	33456	2.501	ug/l	98
18) Methyl Acetate	4.72	43	7530	3.226	ug/l #	68
25) 2-Butanone	7.22	43	21773	19.104	ug/l	95
30) Chloroform	7.71	83	11140	1.375	ug/l	98
52) Toluene	10.40	92	35701	2.821	ug/l	96
67) Ethyl Benzene	11.75	91	120766	4.850	ug/l	92
68) m/p-Xylenes	11.85	106	42803	4.454	ug/l	99
69) o-Xylene	12.18	106	21352	2.460	ug/l	95
73) Isopropylbenzene	12.48	105	35327	1.627	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	41541	2.328	ug/l	95
84) 1,2,4-Trimethylbenzene	13.28	105	76960	4.331	ug/l	97
95) Naphthalene	15.41	128	22784471m	2254.813	ug/l	

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

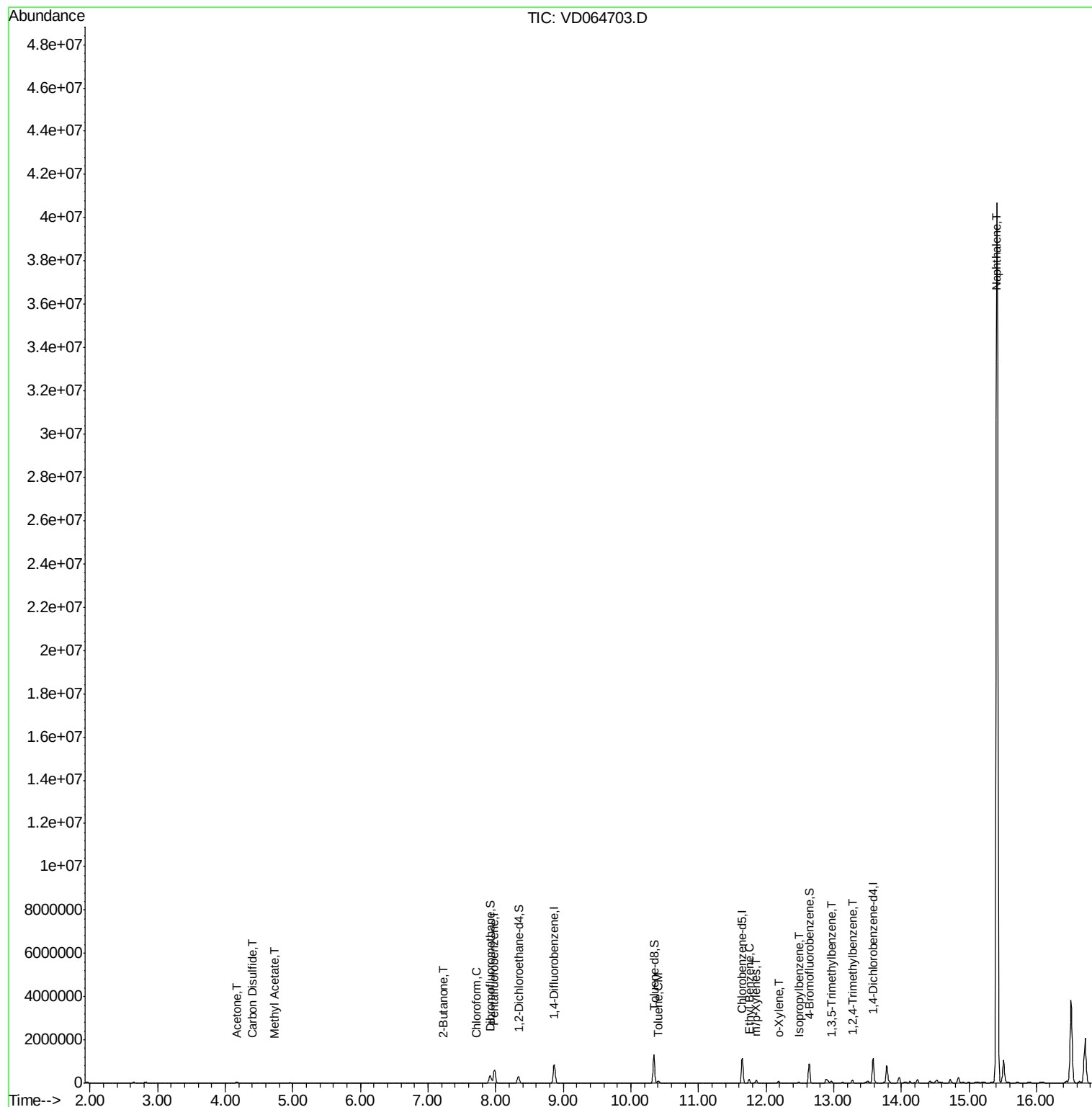
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD123119\
Data File : VD064703.D
Acq On : 31 Dec 2019 19:07
Operator : VA/SY
Sample : K6465-02
Misc : 6.50G/5.00ml/MSVOA D/SOIL
ALS Vial : 21 Sample Multiplier: 1

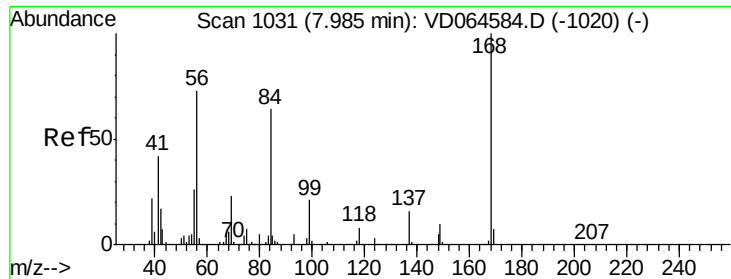
Instrument :
MSVOA_D
ClientSampleId :
GP-11-(5-6)

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Quant Time: Jan 01 08:16:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064703.D

Acq: 31 Dec 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

GP-11-(5-6)

Tot Ion:168 Resp: 470213

Ion Ratio Lower Upper

168 100

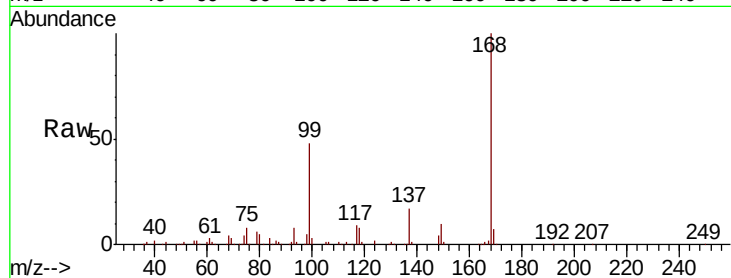
99 48.1 41.8 62.6

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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

200000

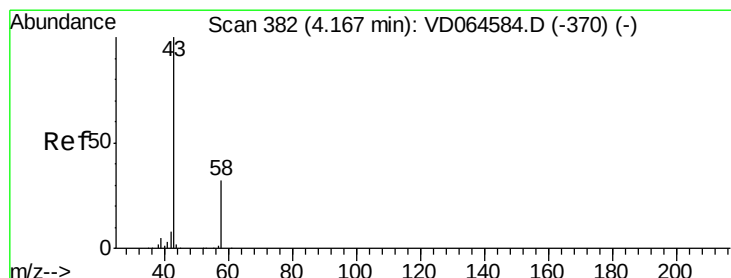
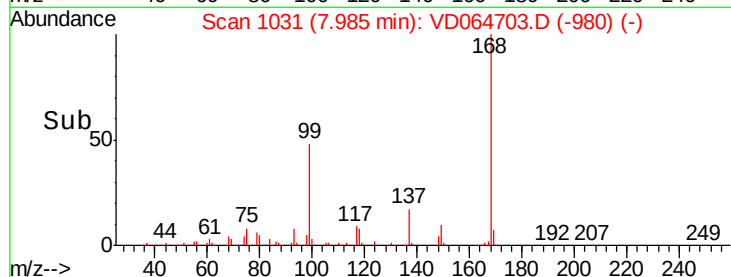
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100000

50000

0

Time-->



#16

Acetone

Concen: 73.056 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064703.D

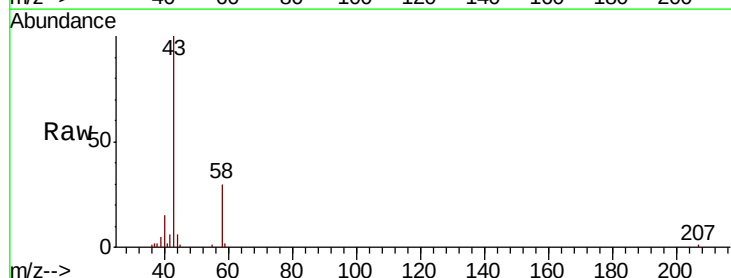
Acq: 31 Dec 2019 19:07

Tgt Ion: 43 Resp: 66459

Ion Ratio Lower Upper

43 100

58 30.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

25000

20000

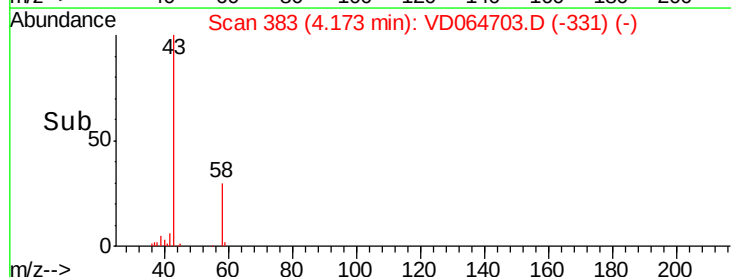
15000

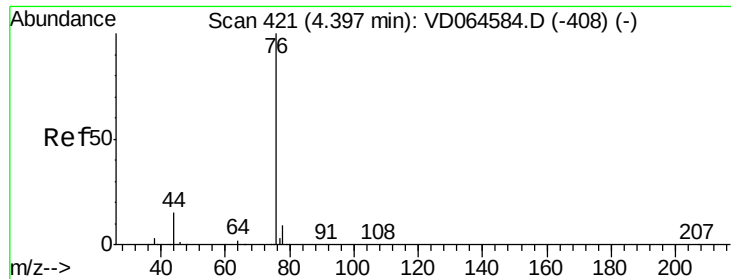
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Time-->





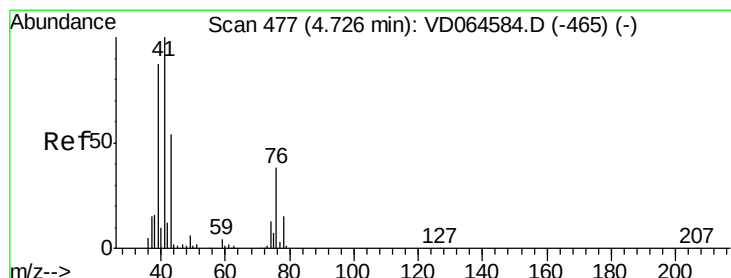
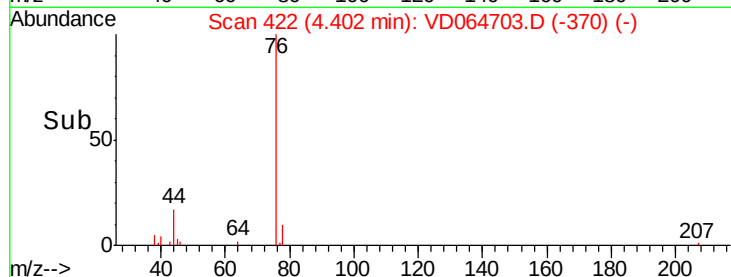
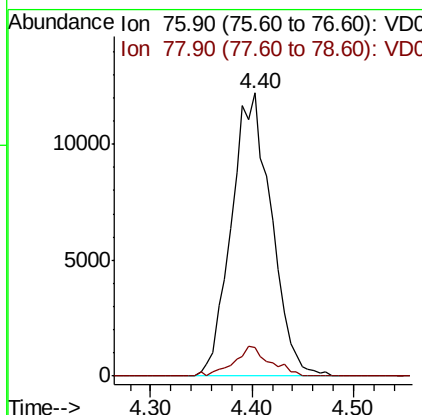
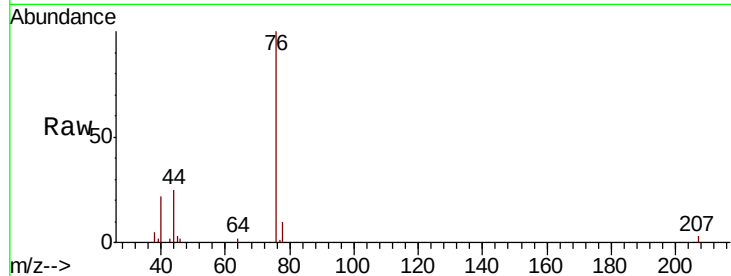
#17
Carbon Disulfide
Concen: 2.501 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064703.D
Acq: 31 Dec 2019 19:07

Instrument :
MSVOA_D
ClientSampled :
GP-11-(5-6)

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.3	10.9

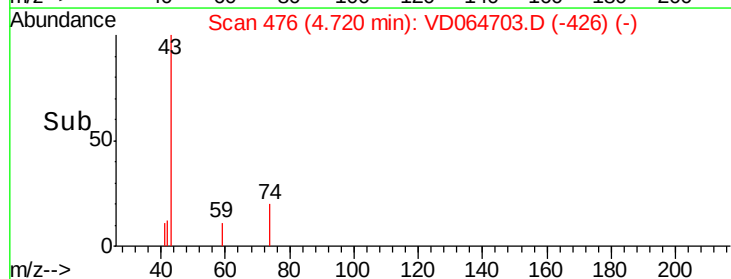
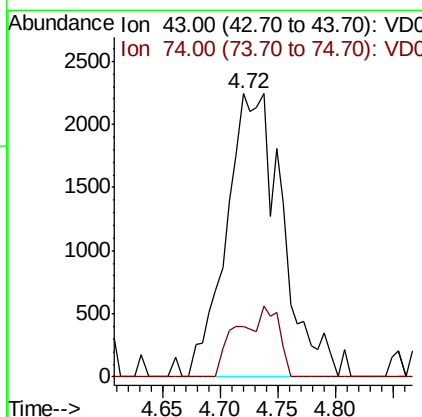
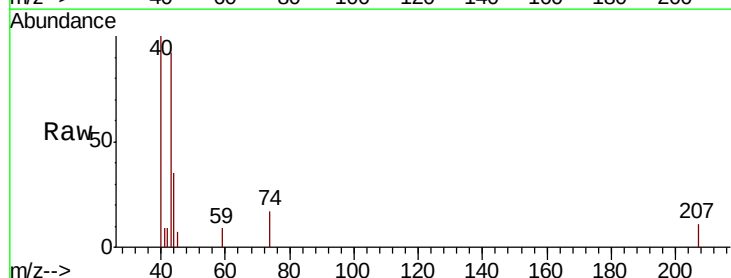
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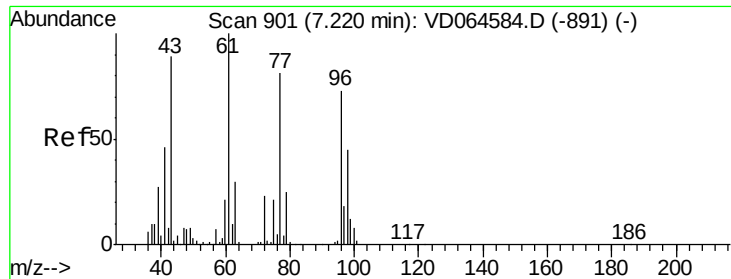
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#18
Methyl Acetate
Concen: 3.226 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064703.D
Acq: 31 Dec 2019 19:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	8.3	19.2	28.8#





#25

2-Butanone

Concen: 19.104 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064703.D

Acq: 31 Dec 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

GP-11-(5-6)

Tot Ion: 43 Resp: 21773

Ion Ratio Lower Upper

43 100

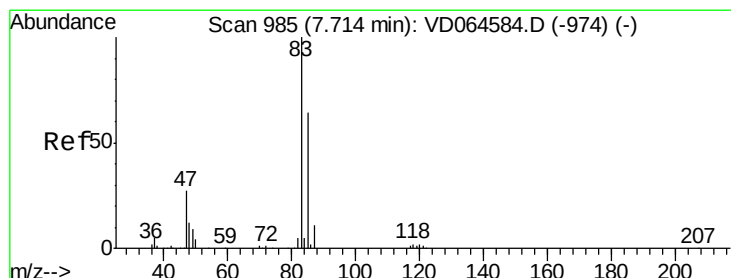
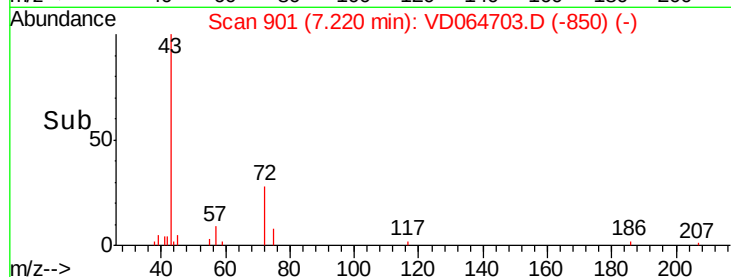
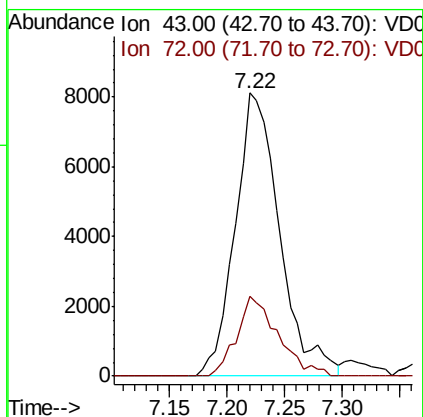
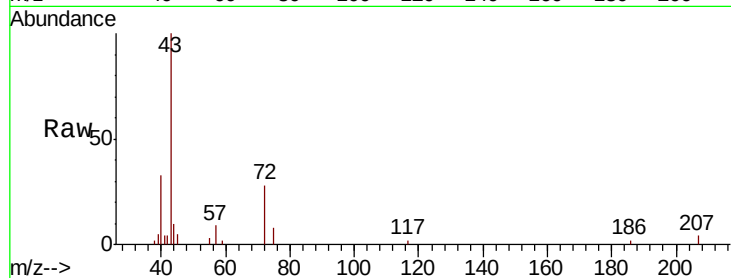
72 28.4 20.7 31.1

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#30

Chloroform

Concen: 1.375 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064703.D

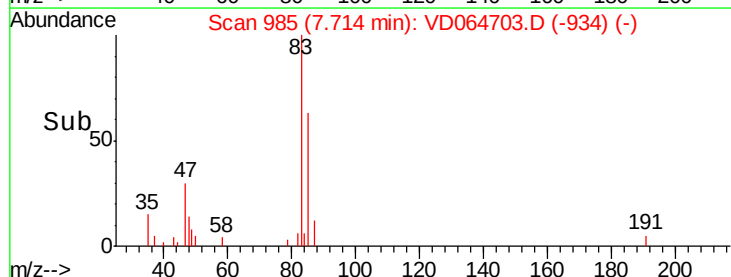
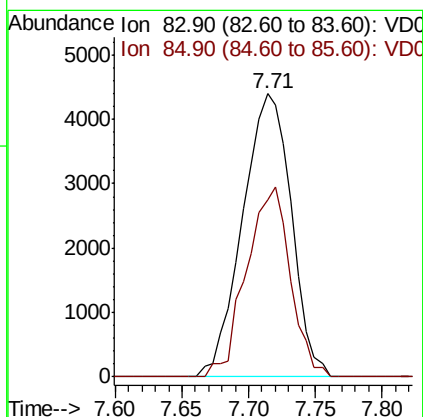
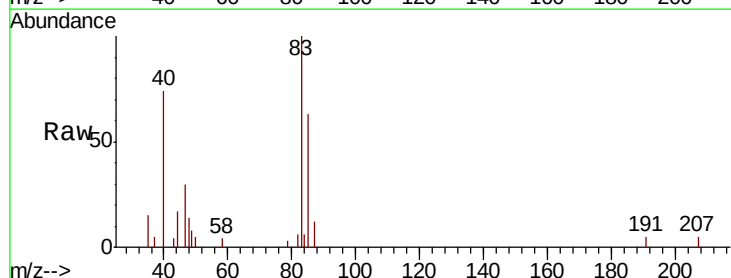
Acq: 31 Dec 2019 19:07

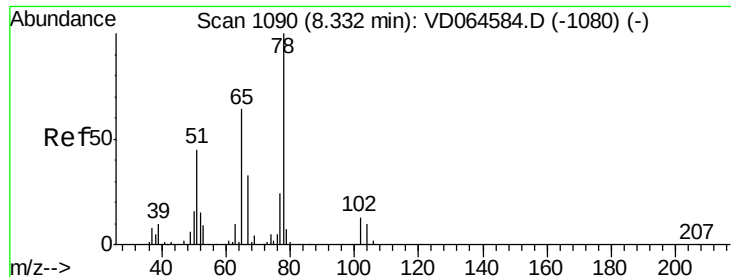
Tgt Ion: 83 Resp: 11140

Ion Ratio Lower Upper

83 100

85 62.5 51.1 76.7





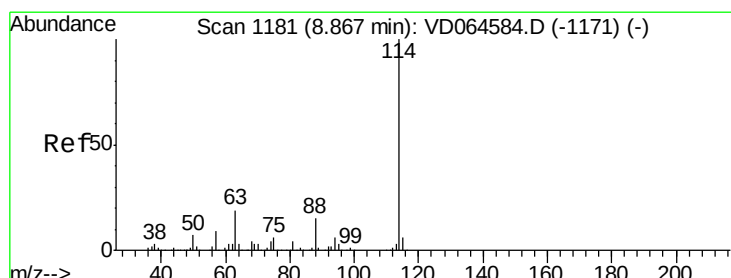
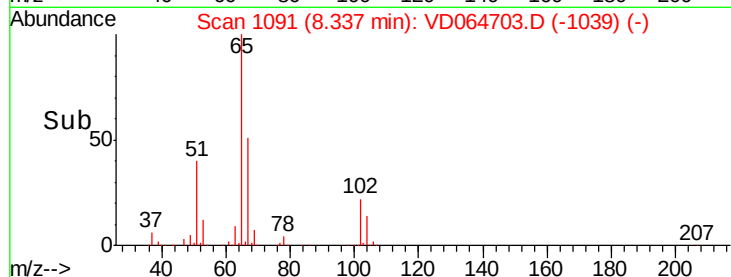
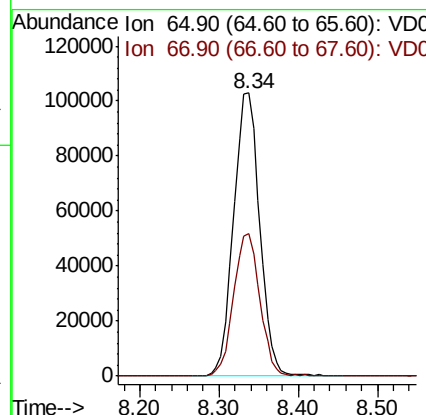
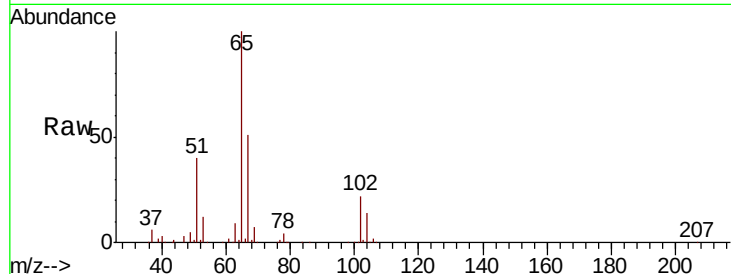
#33
 1,2-Dichloroethane-d4
 Concen: 56.541 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064703.D
 Acq: 31 Dec 2019 19:07

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-11-(5-6)

Tot Ion	Ratio	Resp	Lower	Upper
65	100	234436		
67	50.5	0.0	106.2	

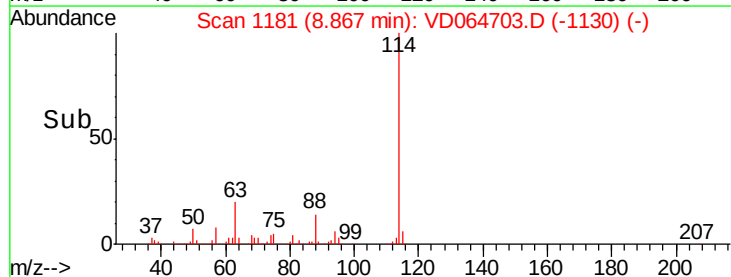
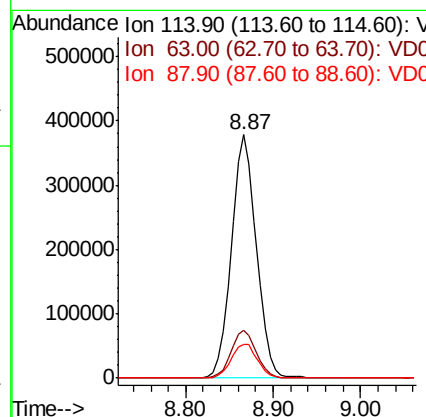
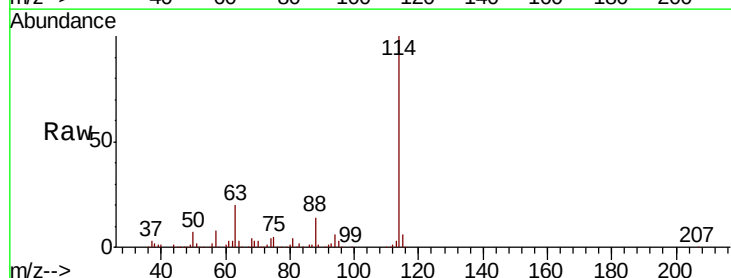
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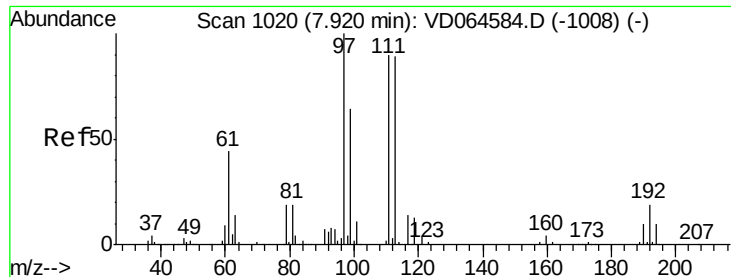
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064703.D
 Acq: 31 Dec 2019 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	734163		
63	19.6	0.0	38.0	
88	14.0	0.0	29.2	





#35

Dibromofluoromethane

Concen: 51.991 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064703.D

Acq: 31 Dec 2019 19:07

Instrument :

MSVOA_D

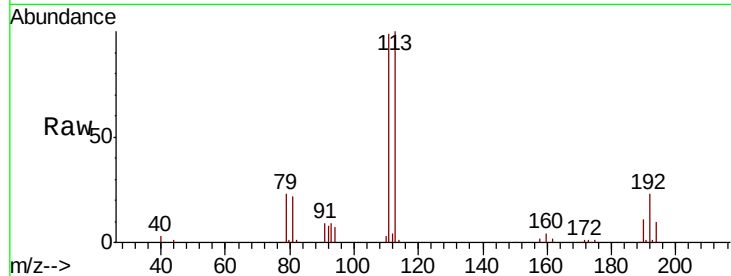
ClientSampled :

GP-11-(5-6)

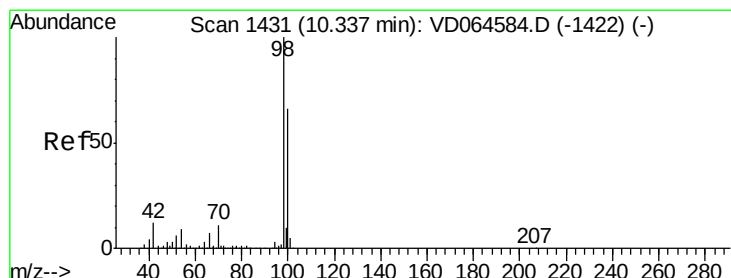
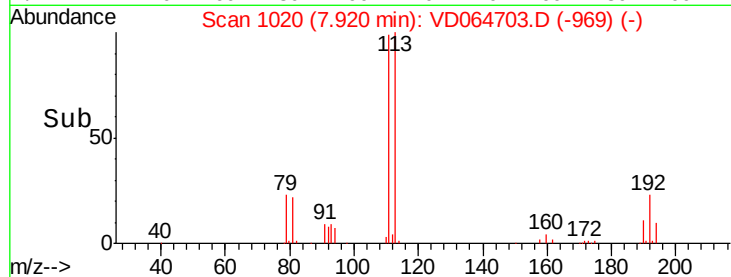
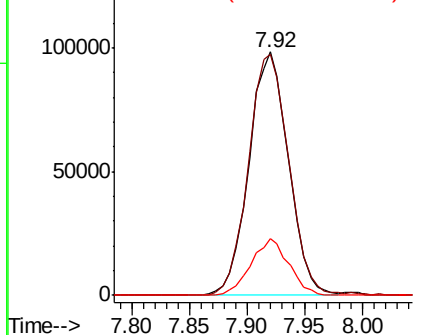
Tot Ion:	113	Resp:	234181
Ion Ratio	Lower	Upper	
113	100		
111	102.0	80.6	121.0
192	22.3	17.9	26.9

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 50.977 ug/l

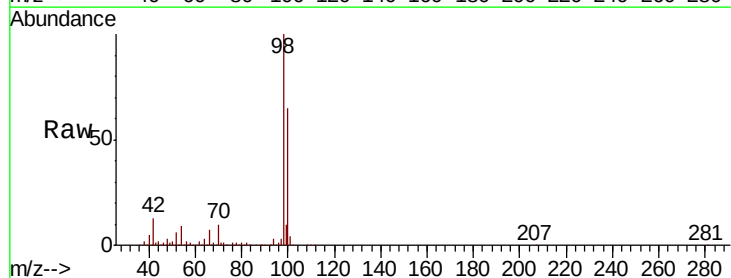
RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

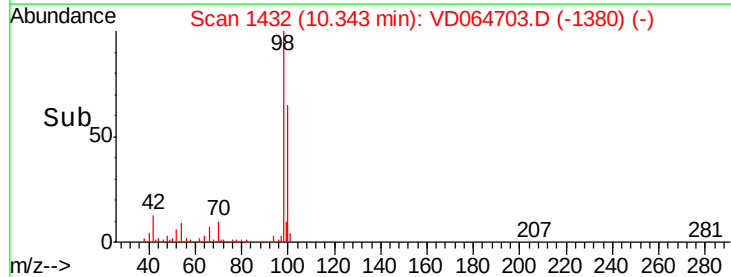
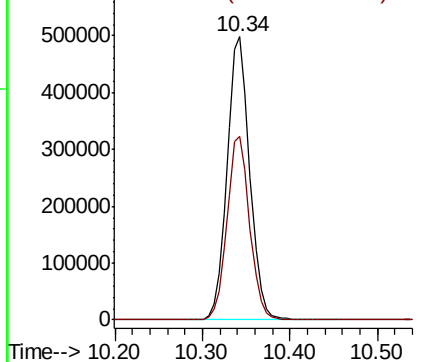
Lab File: VD064703.D

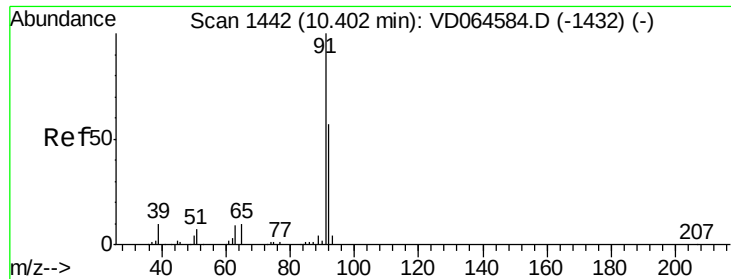
Acq: 31 Dec 2019 19:07

Tgt Ion:	98	Resp:	879393
Ion Ratio	Lower	Upper	
98	100		
100	65.0	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 2.821 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD064703.D

Acq: 31 Dec 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

GP-11-(5-6)

Tot Ion: 92 Resp: 35701

Ion Ratio Lower Upper

92 100

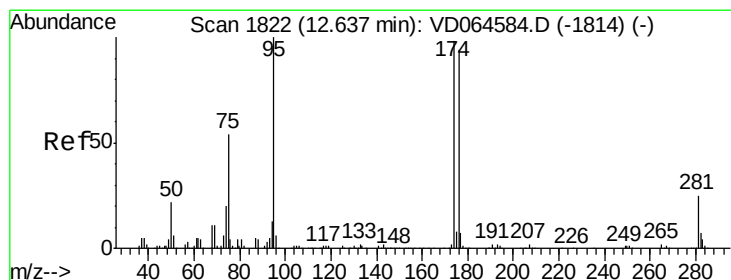
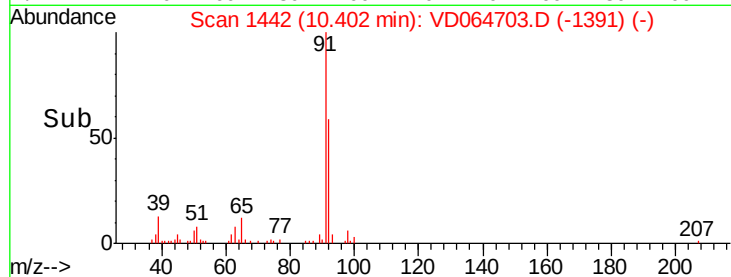
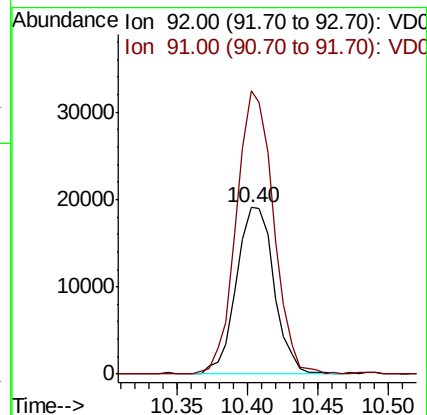
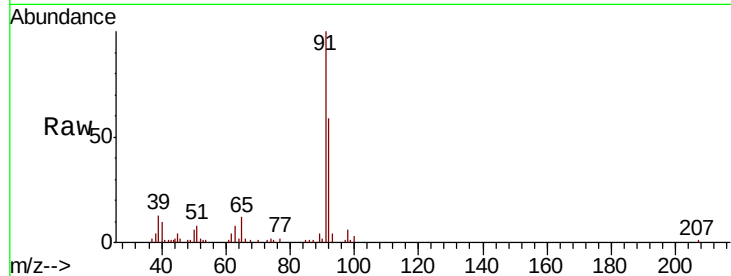
91 167.4 138.7 208.1

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#62

4-Bromofluorobenzene

Concen: 49.586 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064703.D

Acq: 31 Dec 2019 19:07

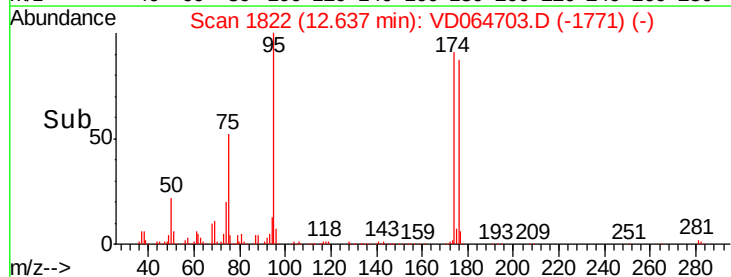
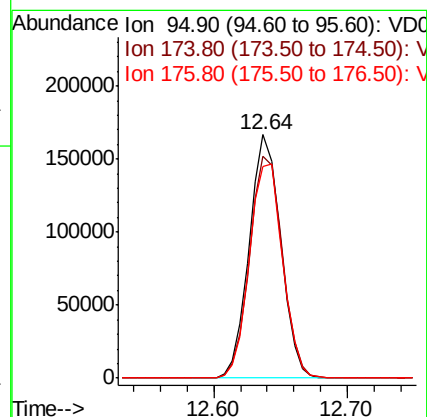
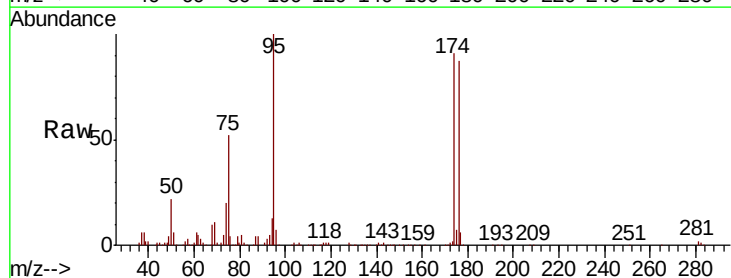
Tgt Ion: 95 Resp: 270485

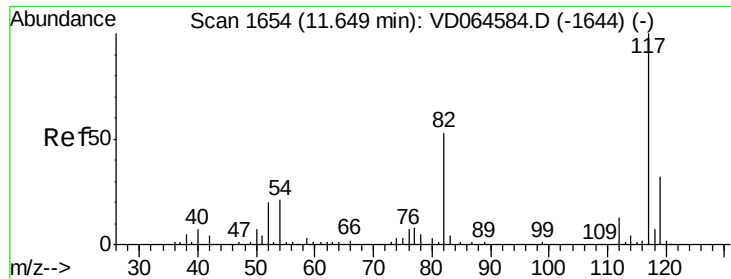
Ion Ratio Lower Upper

95 100

174 95.1 0.0 193.2

176 93.2 0.0 184.2





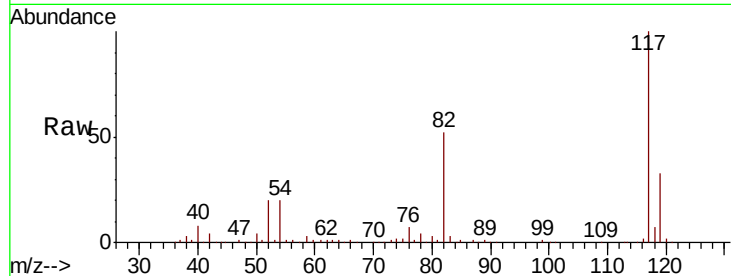
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064703.D
Acq: 31 Dec 2019 19:07

Instrument :
MSVOA_D
ClientSampleId :
GP-11-(5-6)

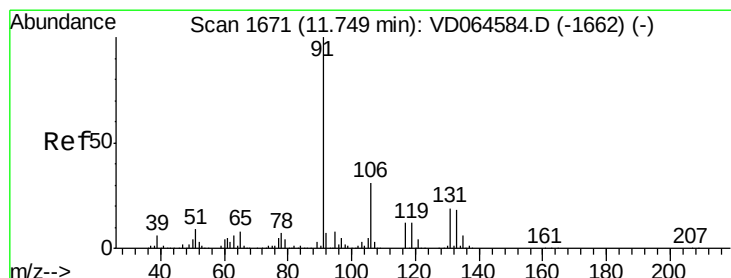
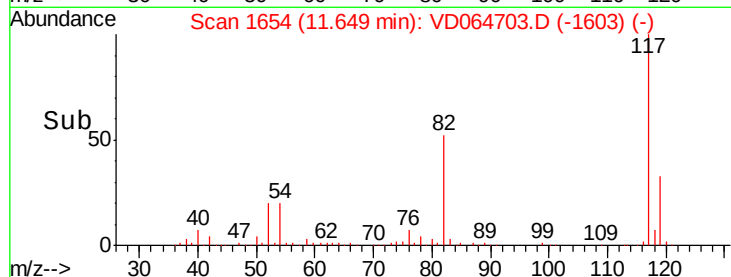
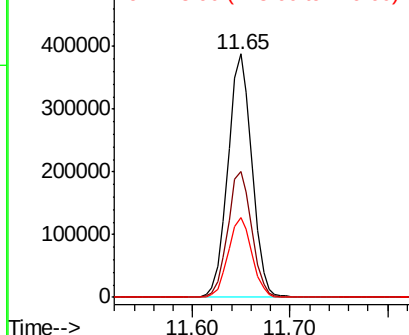
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.2	63.4
119	32.5	26.0	39.0

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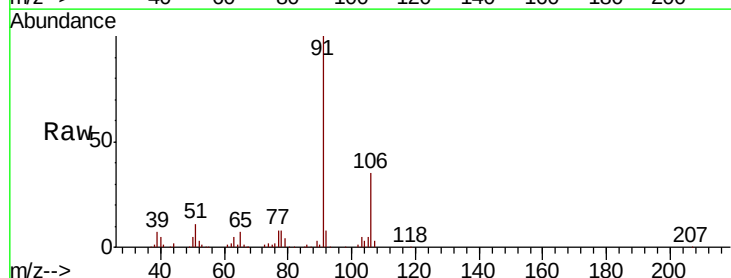


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VDC
Ion 118.90 (118.60 to 119.60): V

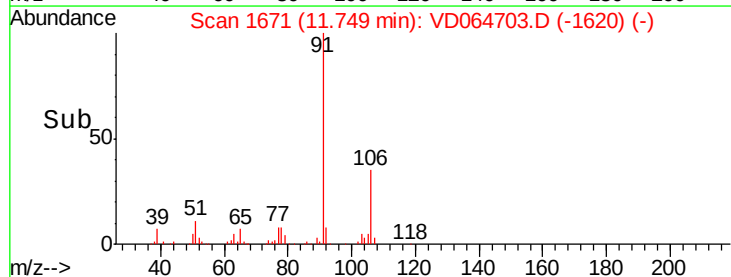
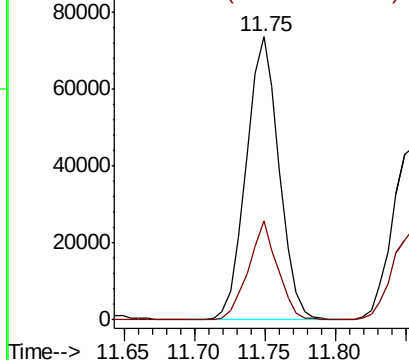


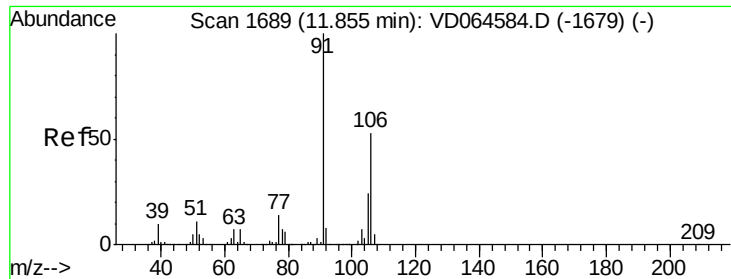
#67
Ethyl Benzene
Concen: 4.850 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064703.D
Acq: 31 Dec 2019 19:07

Tgt Ion	Ratio	Lower	Upper
91	100		
106	35.0	24.6	36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.00 (105.70 to 106.70): V





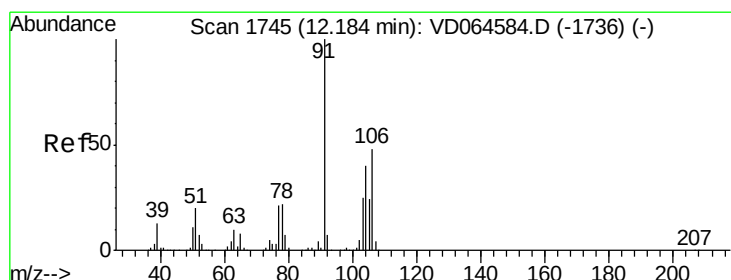
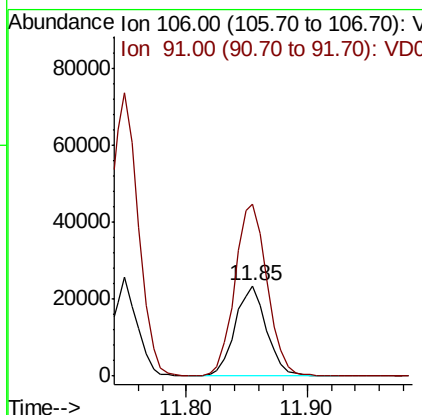
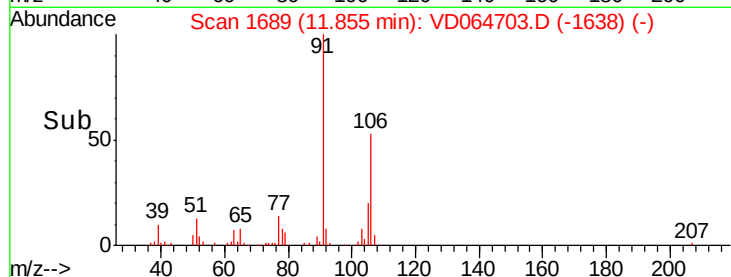
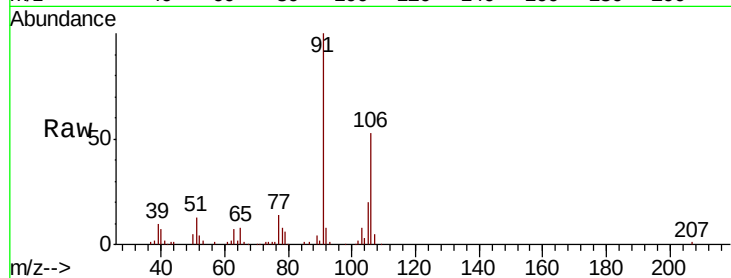
#68
m/p-Xylenes
Concen: 4.454 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064703.D
Acq: 31 Dec 2019 19:07

Instrument :
MSVOA_D
ClientSampleId :
GP-11-(5-6)

Tot Ion:106 Resp: 42803
Ion Ratio Lower Upper
106 100
91 196.3 156.3 234.5

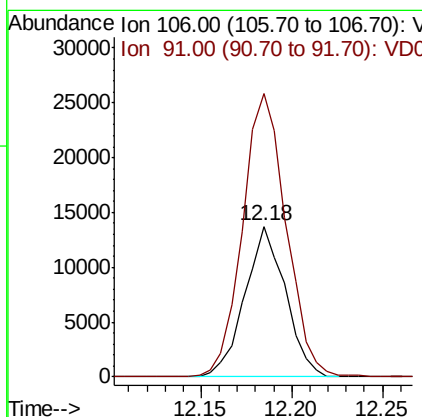
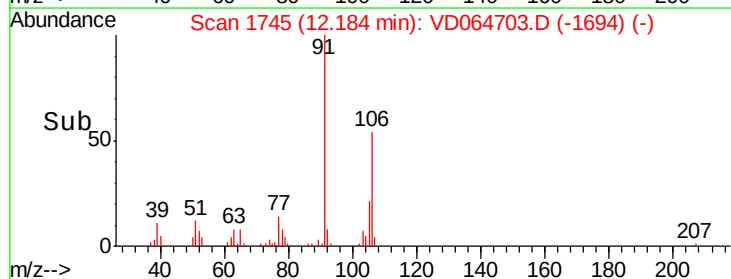
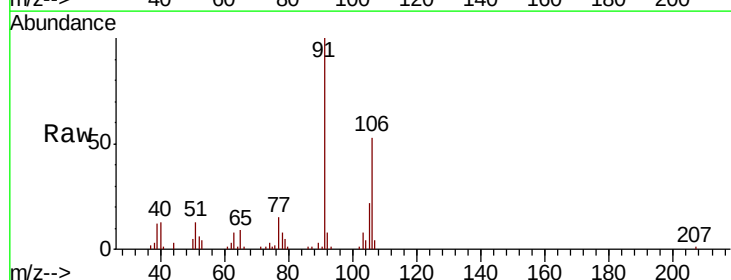
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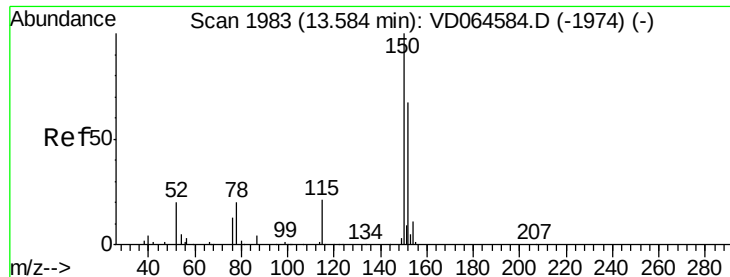
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#69
o-Xylene
Concen: 2.460 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064703.D
Acq: 31 Dec 2019 19:07

Tgt Ion:106 Resp: 21352
Ion Ratio Lower Upper
106 100
91 202.4 104.8 314.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD064703.D

Acq: 31 Dec 2019 19:07

Instrument :

MSVOA_D

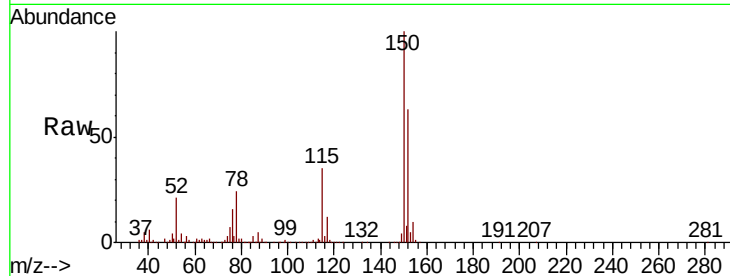
ClientSampleId :

GP-11-(5-6)

Tot Ion:	152	Resp:	303915
Ion Ratio	Lower	Upper	
152	100		
115	55.1	27.8	83.4
150	157.8	0.0	351.4

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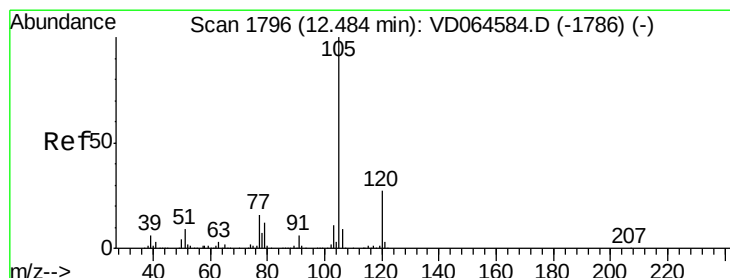
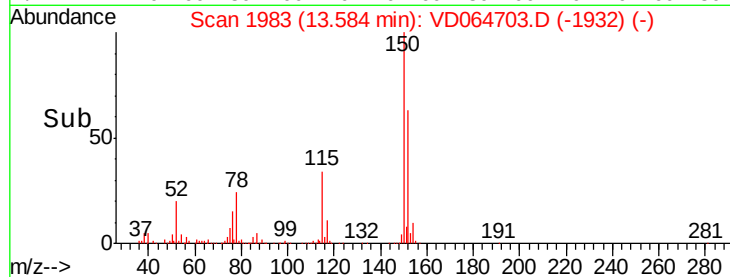
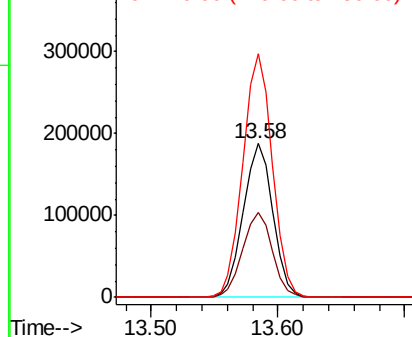


Abundance

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: 1.627 ug/l

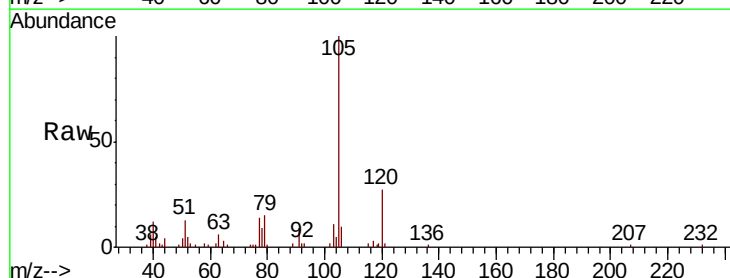
RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064703.D

Acq: 31 Dec 2019 19:07

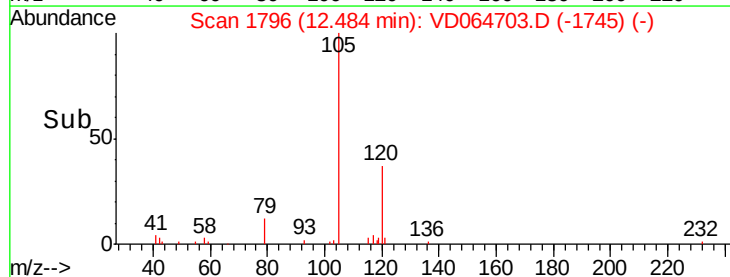
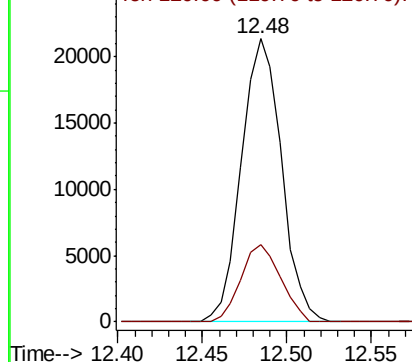
Tgt Ion:	105	Resp:	35327
Ion Ratio	Lower	Upper	
105	100		
120	27.2	13.5	40.5

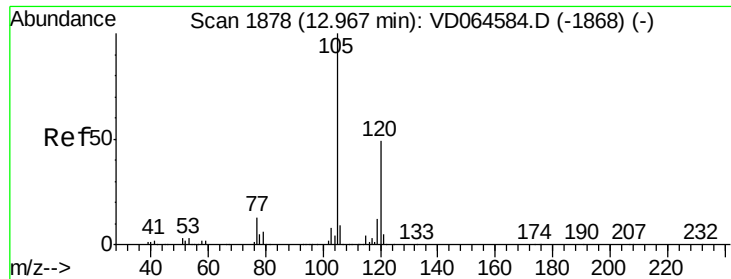


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





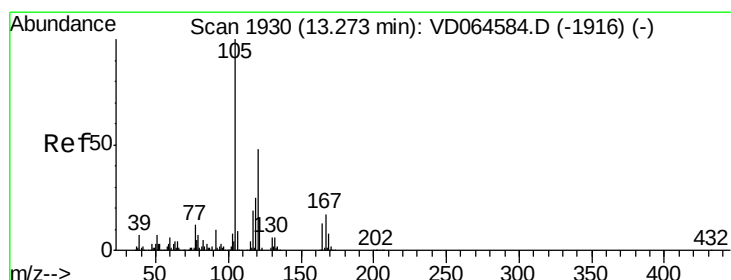
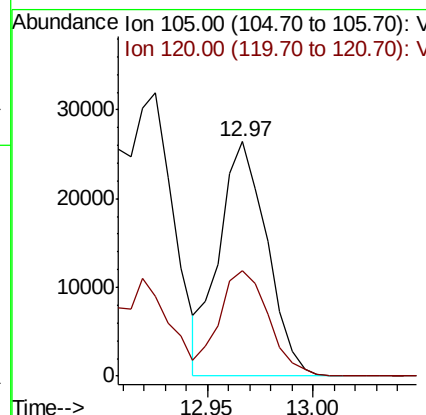
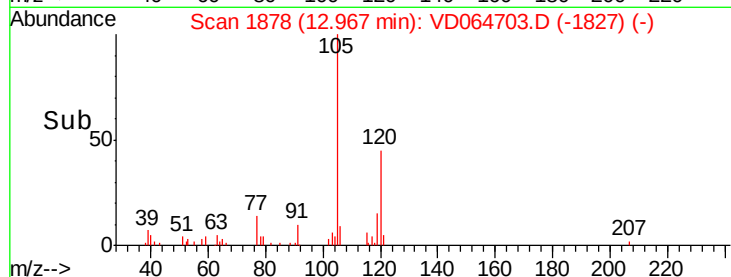
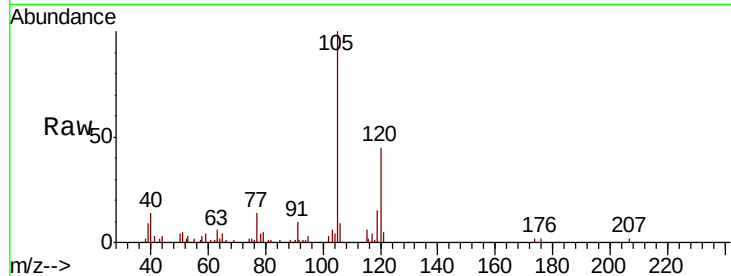
#80
 1,3,5-Trimethylbenzene
 Concen: 2.328 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD064703.D
 Acq: 31 Dec 2019 19:07

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-11-(5-6)

Tot Ion	Ion	Ratio	Lower	Upper
105	105	100		
120	120	46.4	25.0	75.0

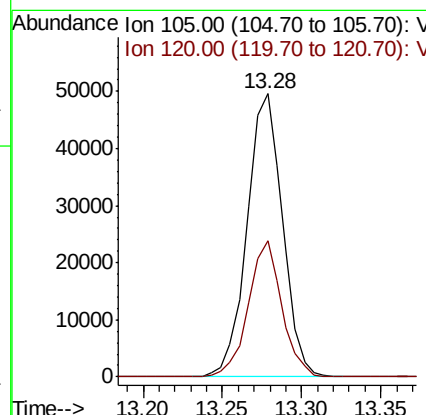
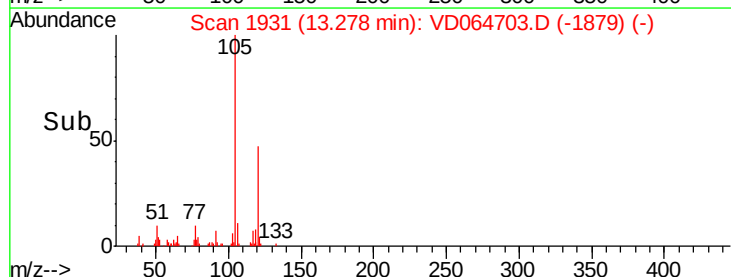
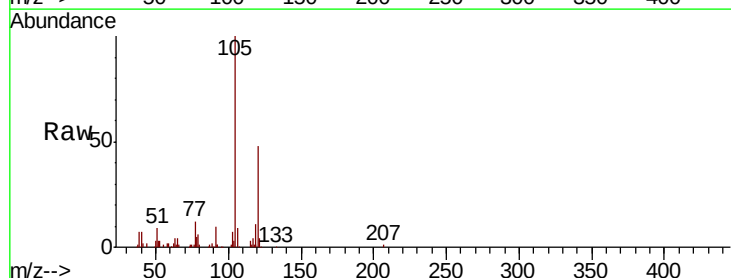
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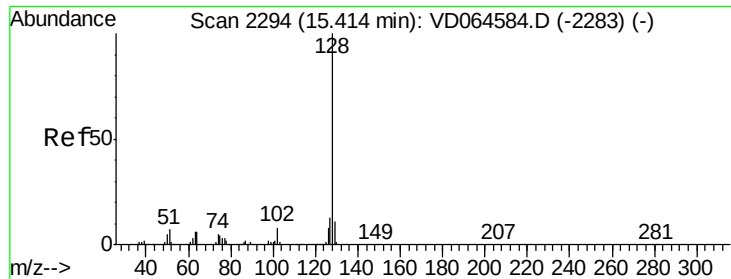
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.331 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064703.D
 Acq: 31 Dec 2019 19:07

Tgt Ion	Ion	Ratio	Lower	Upper
105	105	100		
120	120	45.4	23.8	71.2





#95

Naphthalene

Concen: 2254.813 ug/l m

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD064703.D

Acq: 31 Dec 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

GP-11-(5-6)

Tot Ion:128 Resp:22784471

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.5 12.7#

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