

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061684.D
 Acq On : 9 Apr 2019 19:34
 Operator : VA/AP
 Sample : K2316-01
 Misc : 5.02g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20190169-COMP-CS-1

Manual Integrations
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mohammad
 4/19/2019 9:00:25 AM

Quant Time: Apr 19 04:33:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	424620	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	734969	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.39	117	498422	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	167669	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.50	65	206850	64.27	ug/l	0.04
Spiked Amount			Recovery	=	128.54%	
35) Dibromofluoromethane	6.97	113	303559	59.62	ug/l	0.05
Spiked Amount			Recovery	=	119.24%	
50) Toluene-d8	10.44	98	657271	51.38	ug/l	0.03
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	13.57	95	204113m	44.32	ug/l	0.02
Spiked Amount			Recovery	=	88.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.25	43	73647	76.545	ug/l	99
20) Methylene Chloride	3.85	84	16595	3.040	ug/l	95
25) 2-Butanone	6.11	43	25513	23.001	ug/l #	85
39) Methylcyclohexane	8.89	83	18547	2.809	ug/l #	91
40) Benzene	7.50	78	17565	1.132	ug/l	94
69) o-Xylene	13.07	106	9091	1.623	ug/l	99
73) Isopropylbenzene	13.42	105	15058	1.348	ug/l	96
80) 1,3,5-Trimethylbenzene	13.95	105	33877	3.820	ug/l	94
84) 1,2,4-Trimethylbenzene	14.26	105	50016	5.589	ug/l	99
85) sec-Butylbenzene	14.39	105	27614	2.391	ug/l	99
86) p-Isopropyltoluene	14.50	119	22365	2.232	ug/l	91
95) Naphthalene	16.14	128	23093	6.228	ug/l	99

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

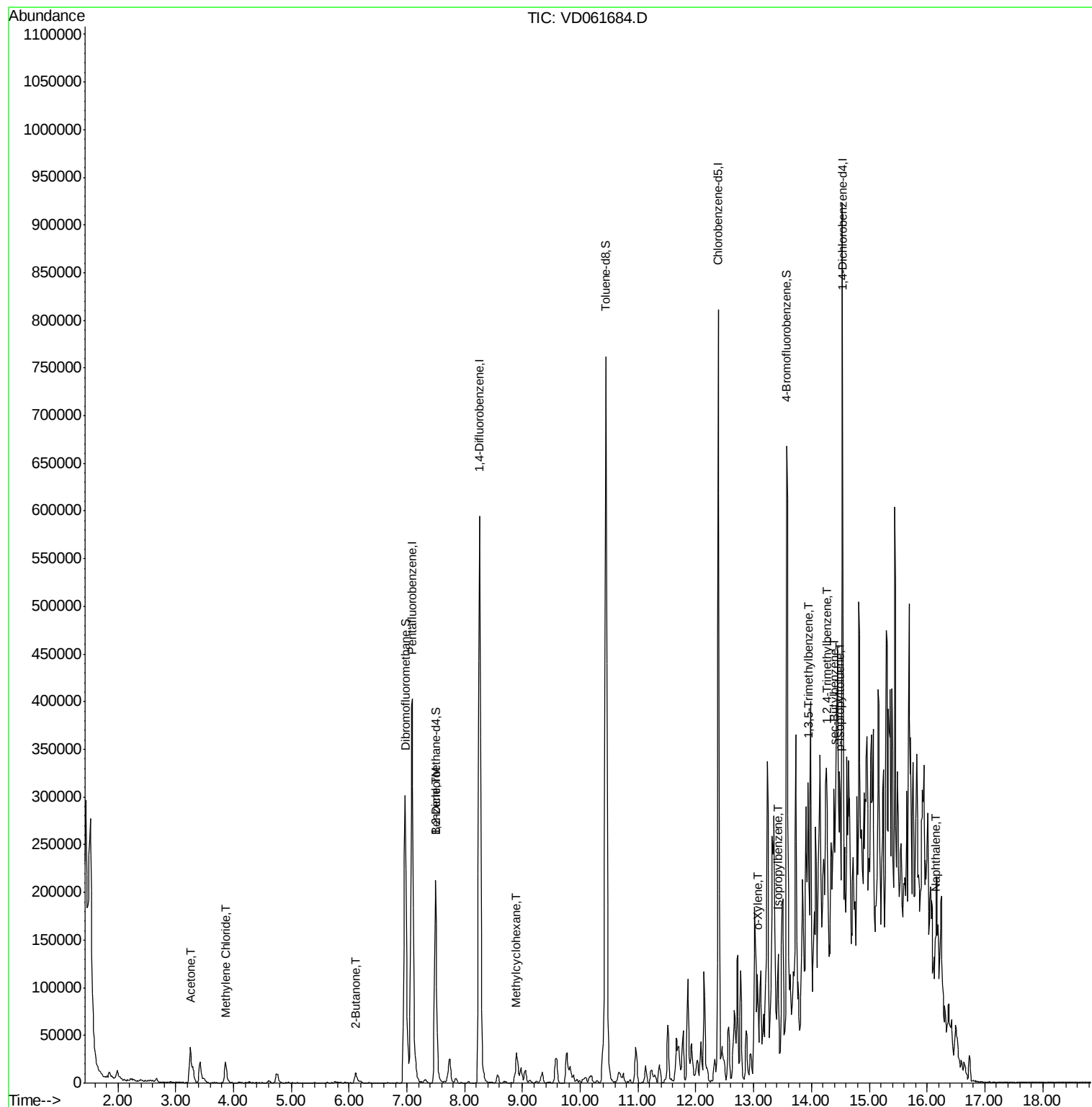
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
Data File : VD061684.D
Acq On : 9 Apr 2019 19:34
Operator : VA/AP
Sample : K2316-01
Misc : 5.02g/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

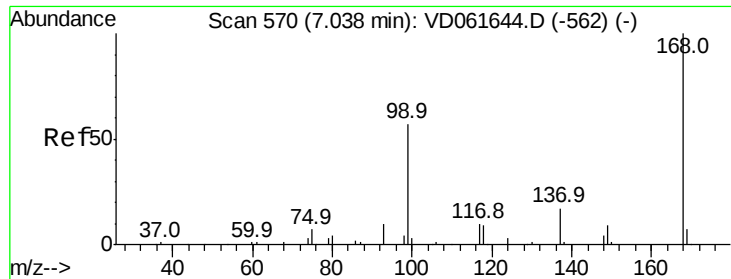
Instrument :
MSVOA_D
ClientSampleId :
20190169-COMP-CS-1

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Quant Time: Apr 19 04:33:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 575

Delta R.T. 0.04 min

Lab File: VD061684.D

Acq: 9 Apr 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

20190169-COMP-CS-1

Tot Ion:168 Resp: 424620

Ion Ratio Lower Upper

168 100

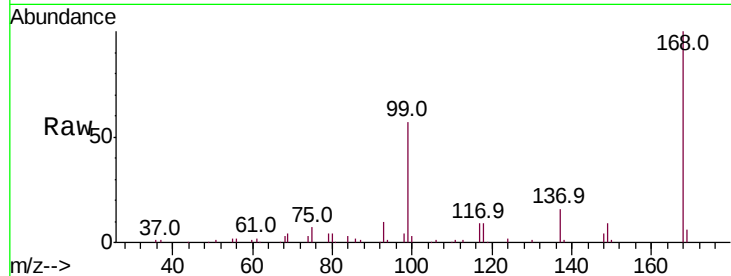
99 56.7 46.8 70.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

150000

100000

50000

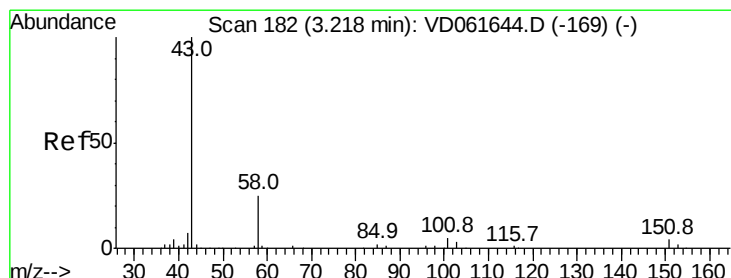
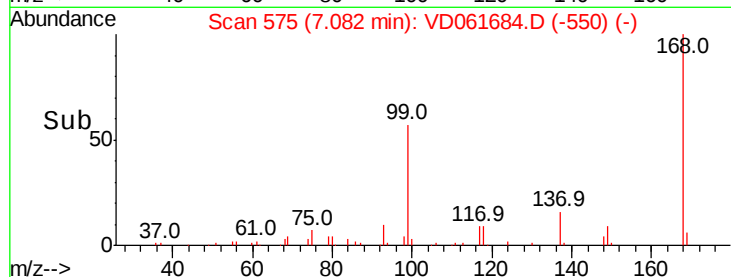
0

7.08

7.10

7.20

Time-->



#16

Acetone

Concen: 76.545 ug/l

RT: 3.25 min Scan# 186

Delta R.T. 0.03 min

Lab File: VD061684.D

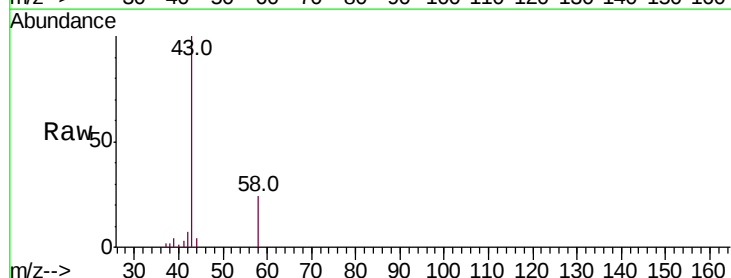
Acq: 9 Apr 2019 19:34

Tgt Ion: 43 Resp: 73647

Ion Ratio Lower Upper

43 100

58 24.1 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

30000

25000

20000

15000

10000

5000

0

3.25

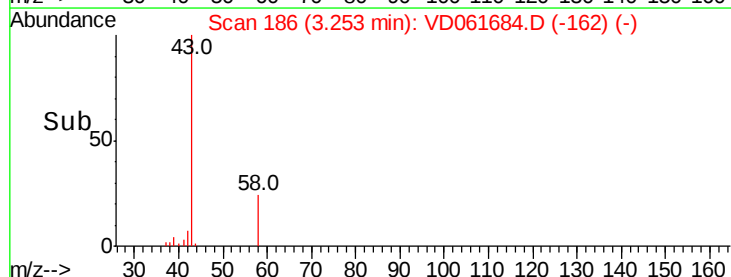
3.10

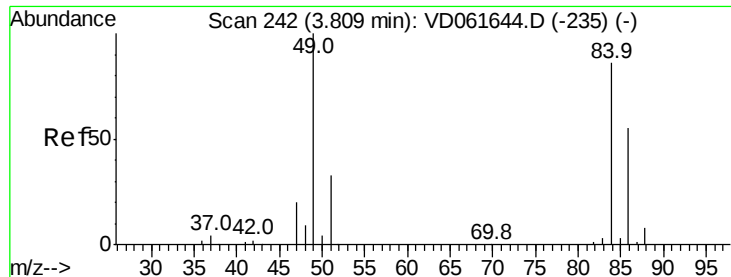
3.20

3.30

3.40

Time-->





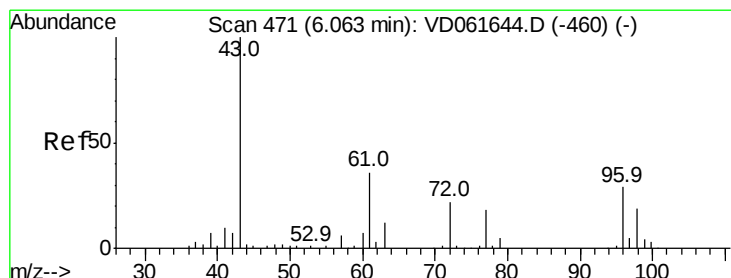
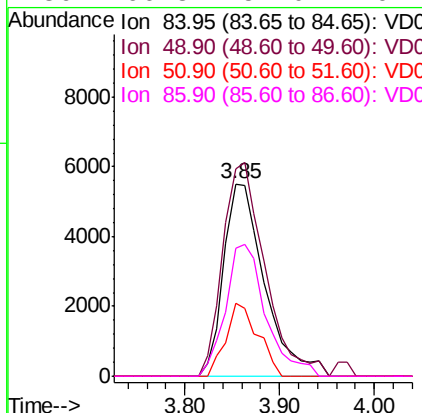
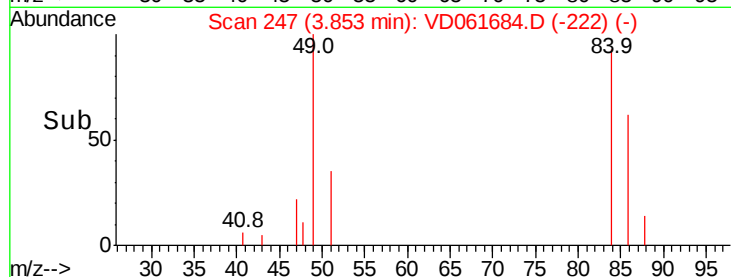
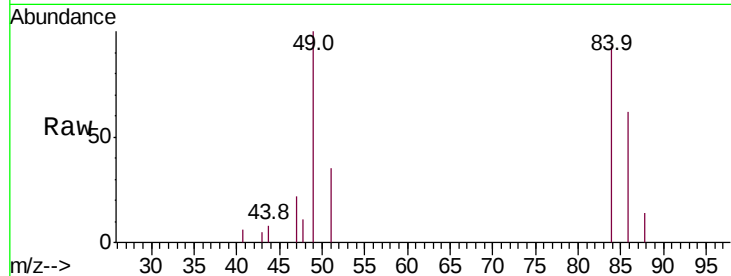
#20
Methvlene Chloride
Concen: 3.040 ug/l
RT: 3.85 min Scan# 247
Delta R.T. 0.05 min
Lab File: VD061684.D
Acq: 9 Apr 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
20190169-COMP-CS-1

Tot Ion:	84	Resp:	16595
Ion	Ratio	Lower	Upper
84	100		
49	107.9	93.0	139.4
51	38.2	30.4	45.6
86	66.8	51.0	76.4

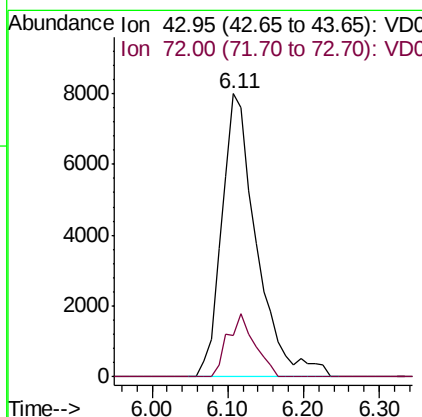
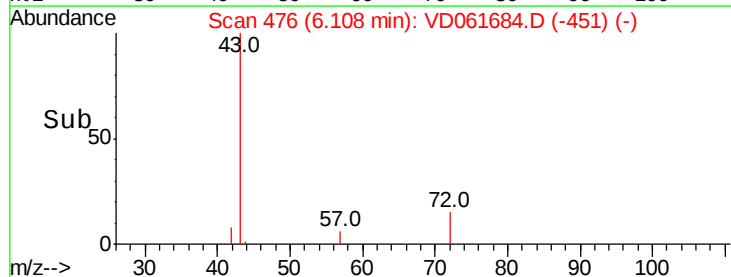
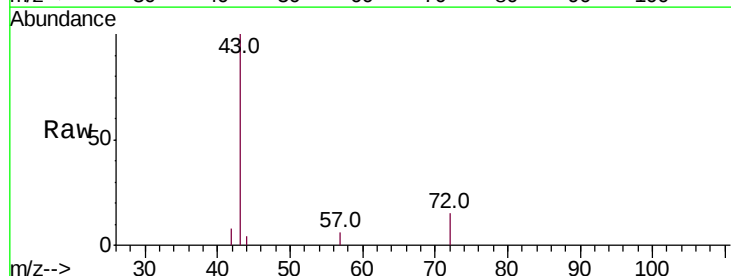
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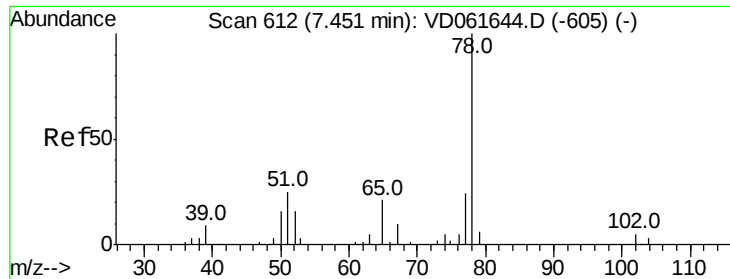
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#25
2-Butanone
Concen: 23.001 ug/l
RT: 6.11 min Scan# 476
Delta R.T. 0.04 min
Lab File: VD061684.D
Acq: 9 Apr 2019 19:34

Tgt Ion:	43	Resp:	25513
Ion	Ratio	Lower	Upper
43	100		
72	14.8	17.4	26.2#





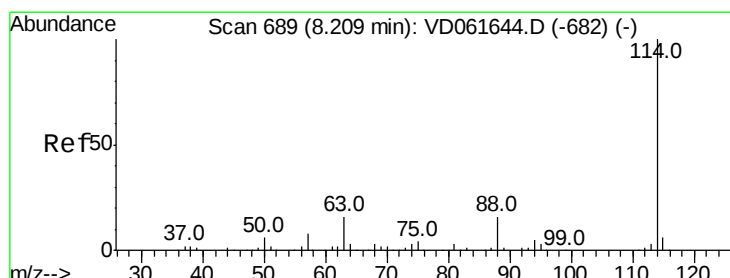
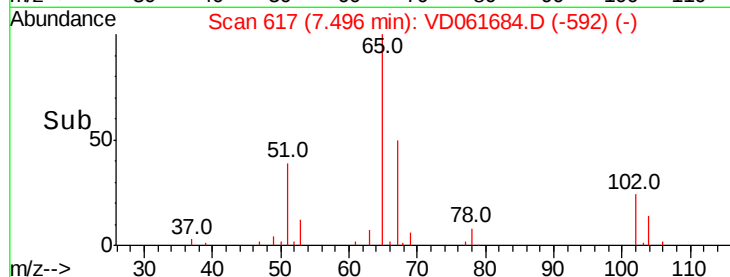
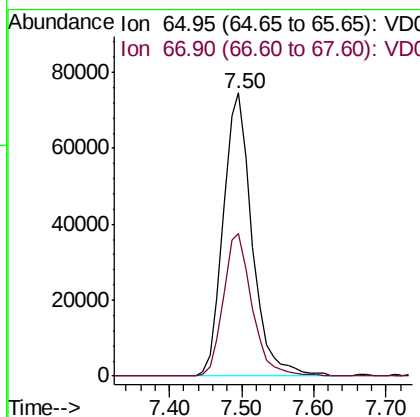
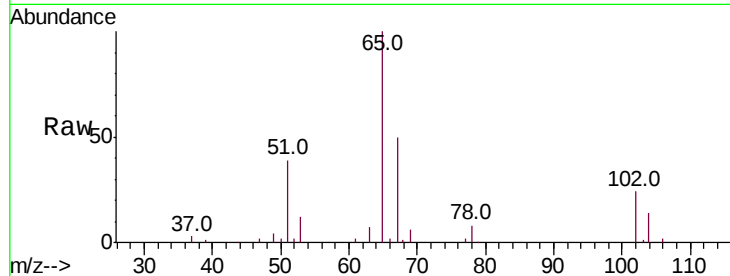
#33
 1,2-Dichloroethane-d4
 Concen: 64.267 ug/l
 RT: 7.50 min Scan# 617
 Delta R.T. 0.04 min
 Lab File: VD061684.D
 Acq: 9 Apr 2019 19:34

Instrument :
 MSVOA_D
 ClientSampleId :
 20190169-COMP-CS-1

Tot Ion: 65 Resp: 206850
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 99.4

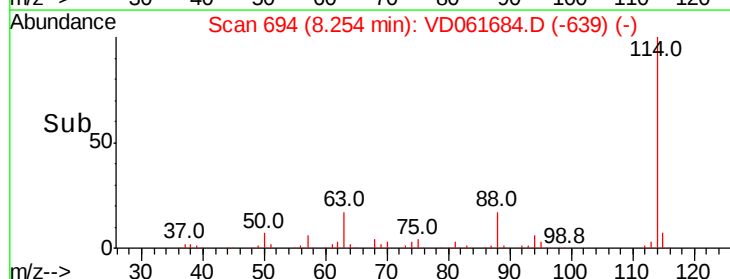
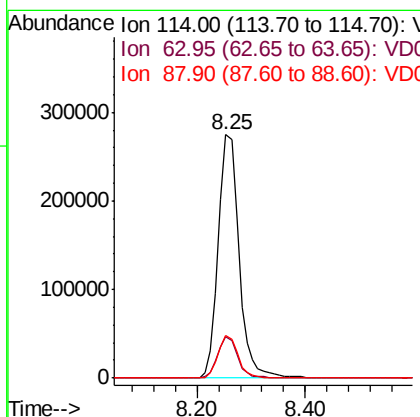
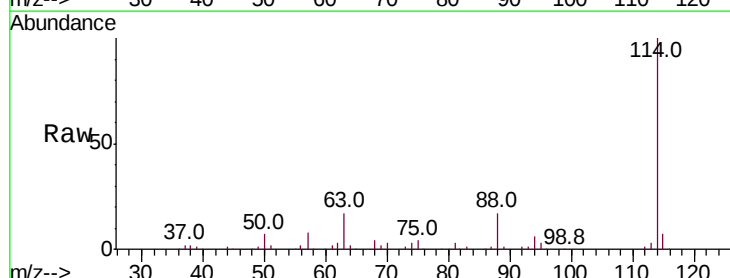
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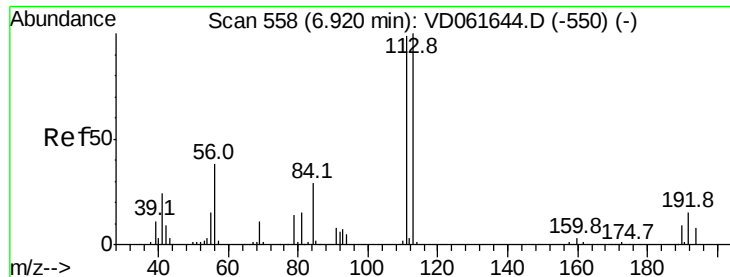
mohammad
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 694
 Delta R.T. 0.04 min
 Lab File: VD061684.D
 Acq: 9 Apr 2019 19:34

Tgt Ion: 114 Resp: 734969
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 31.2
 88 17.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 59.619 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.05 min

Lab File: VD061684.D

Acq: 9 Apr 2019 19:34

Instrument :

MSVOA_D

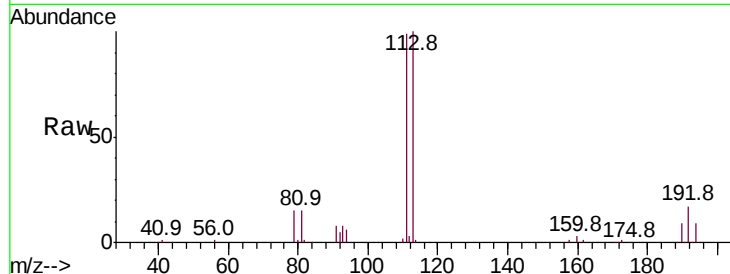
ClientSampleId :

20190169-COMP-CS-1

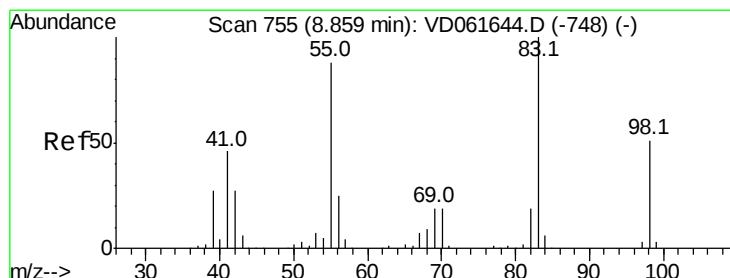
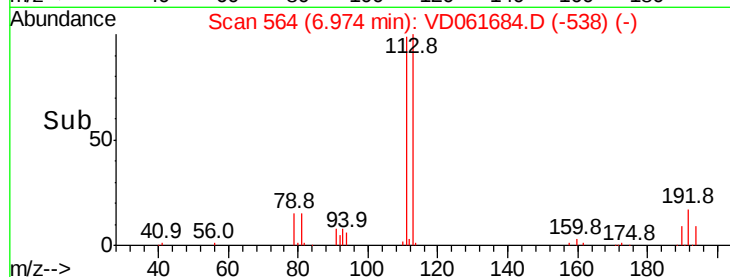
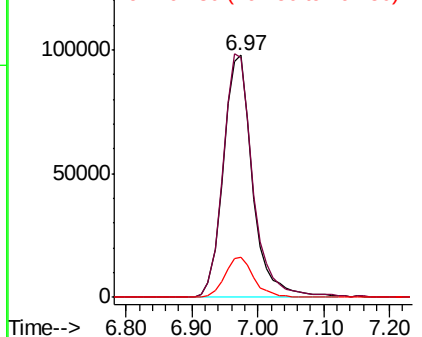
Tot Ion:	113	Resp:	303559
Ion Ratio	Lower	Upper	
113	100		
111	99.0	79.3	118.9
192	16.5	12.3	18.5

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Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#39

Methylcyclohexane

Concen: 2.809 ug/l

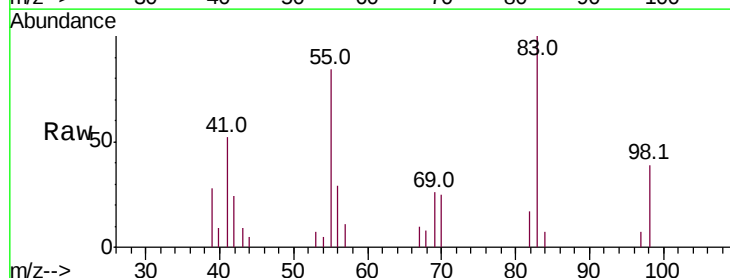
RT: 8.89 min Scan# 759

Delta R.T. 0.03 min

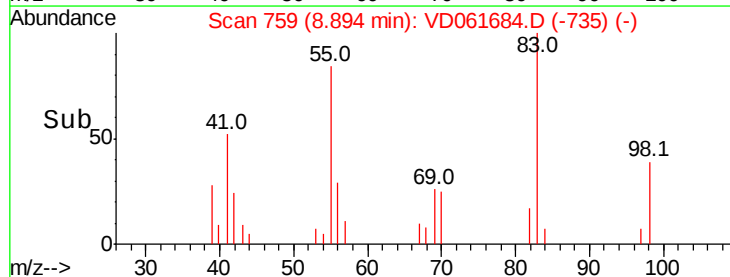
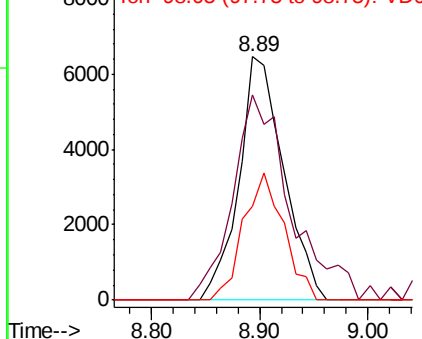
Lab File: VD061684.D

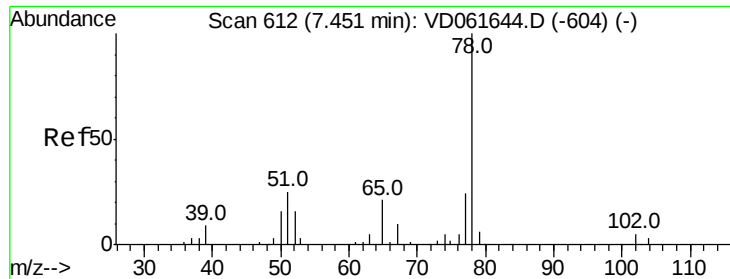
Acq: 9 Apr 2019 19:34

Tgt Ion:	83	Resp:	18547
Ion Ratio	Lower	Upper	
83	100		
55	84.1	70.3	105.5
98	38.7	41.0	61.6#



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC





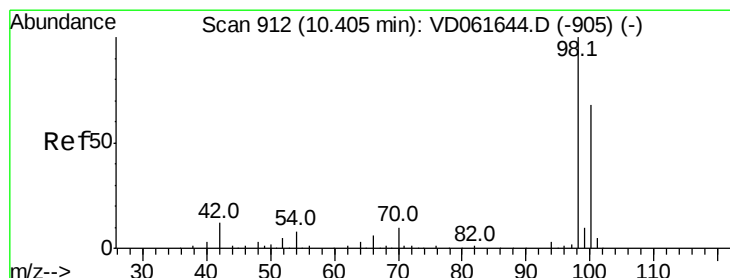
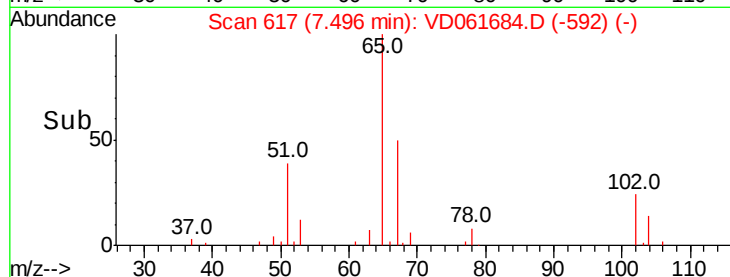
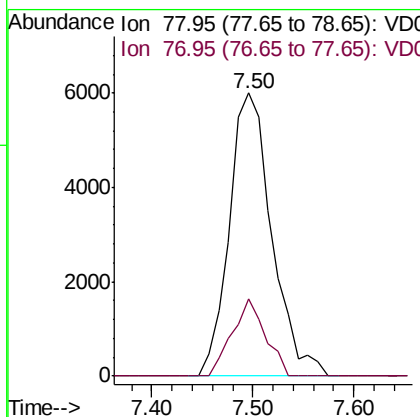
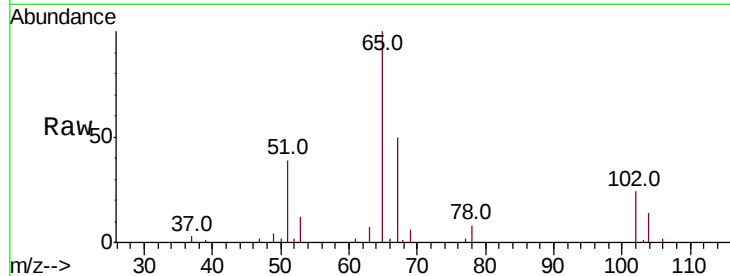
#40
Benzene
Concen: 1.132 ug/l
RT: 7.50 min Scan# 617
Delta R.T. 0.04 min
Lab File: VD061684.D
Acq: 9 Apr 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
20190169-COMP-CS-1

Tot Ion: 78 Resp: 17565
Ion Ratio Lower Upper
78 100
77 27.3 19.5 29.3

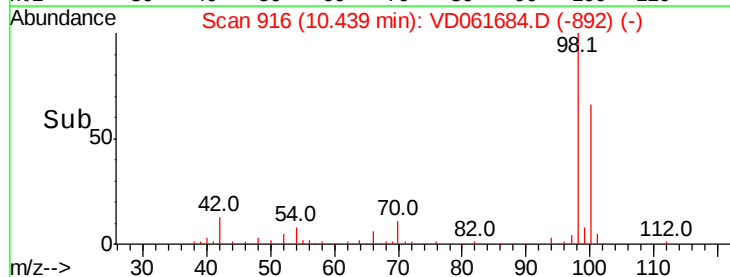
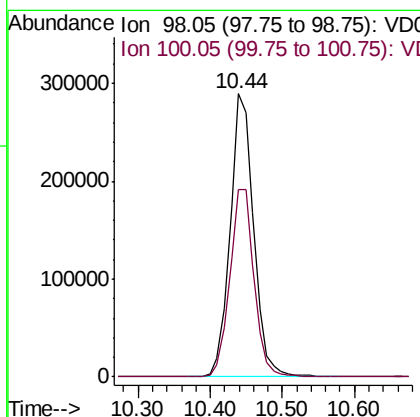
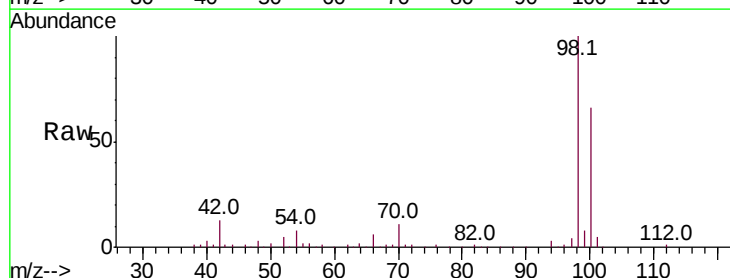
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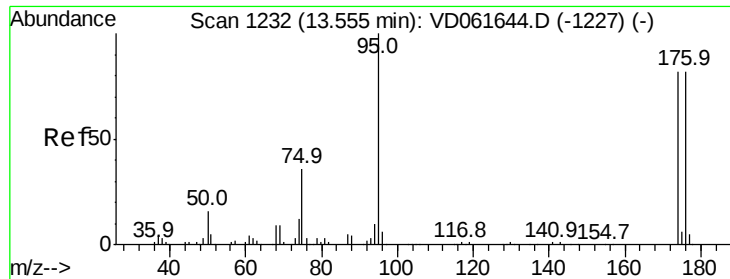
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#50
Toluene-d8
Concen: 51.380 ug/l
RT: 10.44 min Scan# 916
Delta R.T. 0.03 min
Lab File: VD061684.D
Acq: 9 Apr 2019 19:34

Tgt Ion: 98 Resp: 657271
Ion Ratio Lower Upper
98 100
100 66.4 55.4 83.0





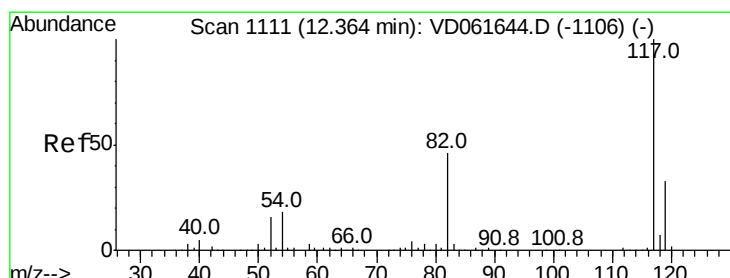
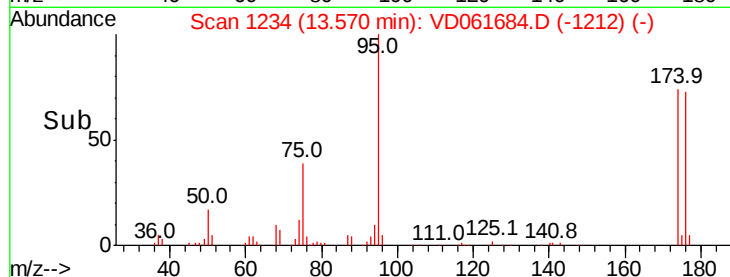
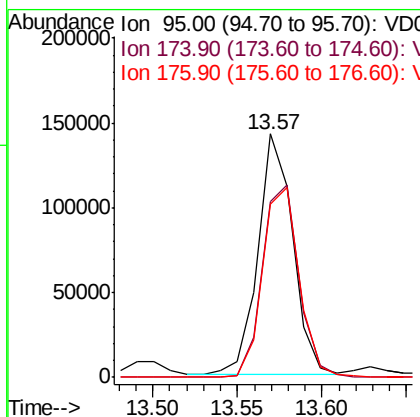
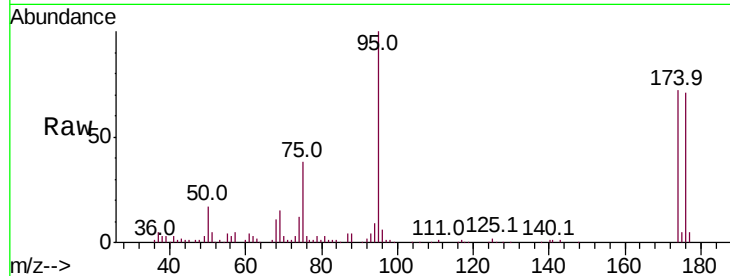
#62
4-Bromofluorobenzene
Concen: 44.323 ug/l m
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD061684.D
Acq: 9 Apr 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
20190169-COMP-CS-1

Tot Ion	Ratio	Resp	Lower	Upper
95	100	204113		
174	72.1	0.0	164.6	
176	71.2	0.0	165.0	

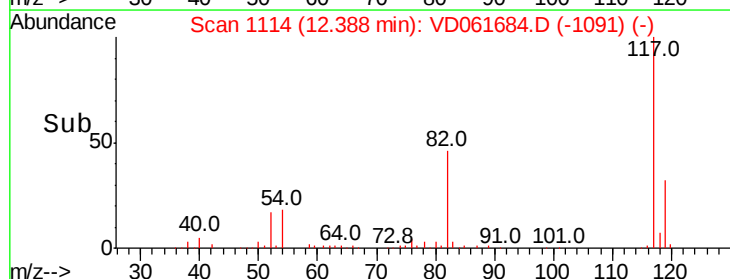
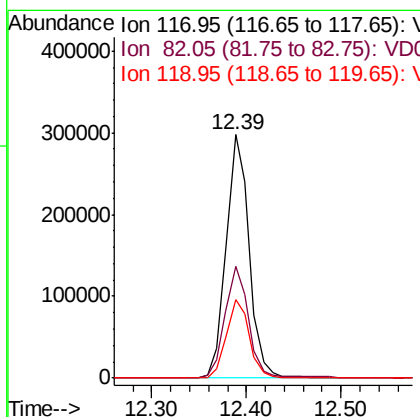
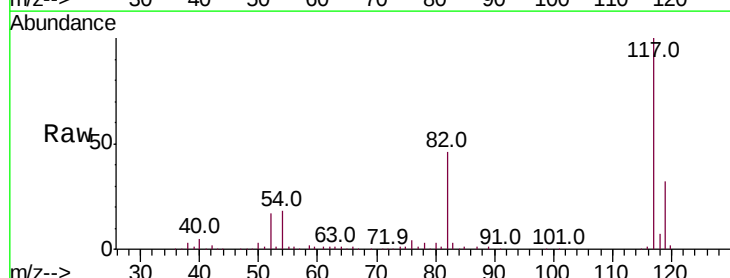
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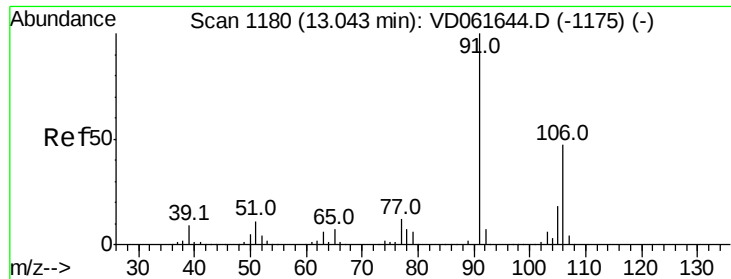
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD061684.D
Acq: 9 Apr 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	498422		
82	45.9	36.8	55.2	
119	32.3	26.1	39.1	





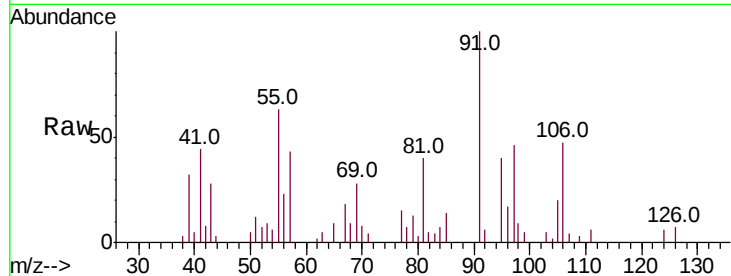
#69
o-Xylene
Concen: 1.623 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.02 min
Lab File: VD061684.D
Acq: 9 Apr 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
20190169-COMP-CS-1

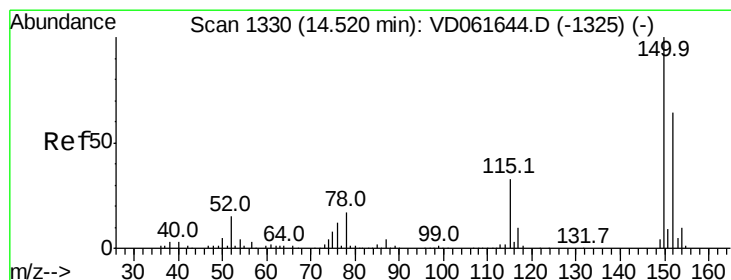
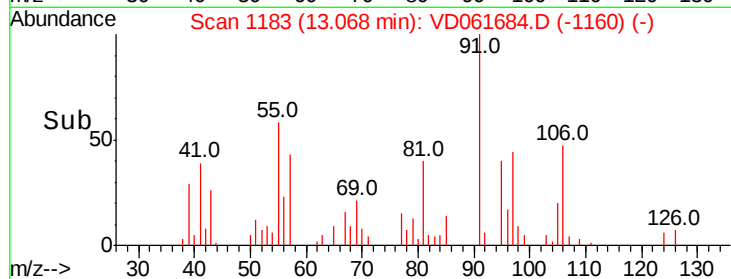
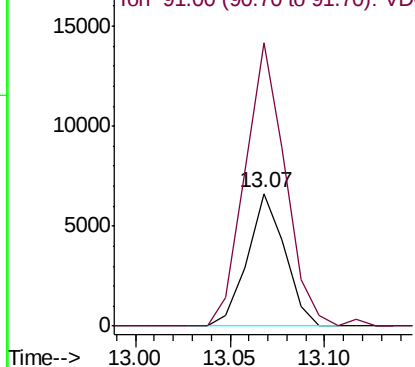
Tot Ion:106 Resp: 9091
Ion Ratio Lower Upper
106 100
91 213.5 107.3 321.9

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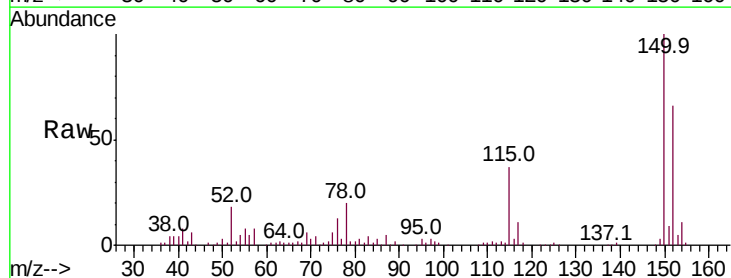


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

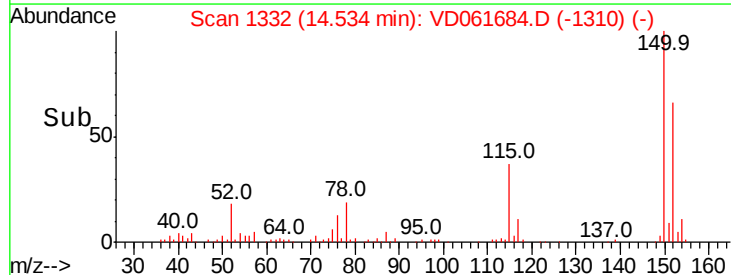
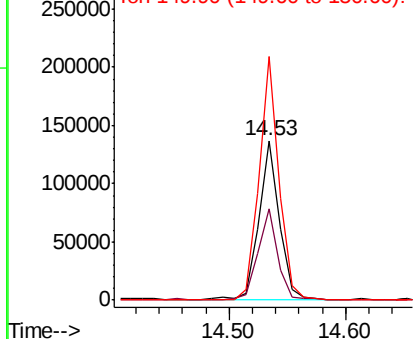


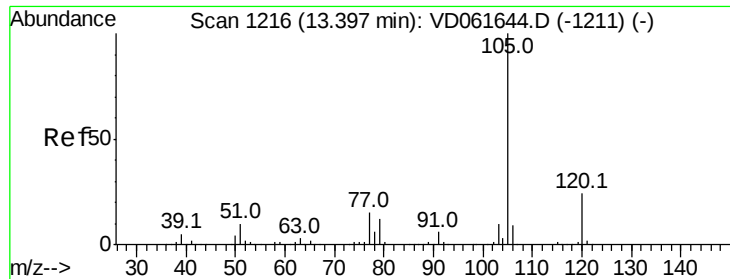
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.01 min
Lab File: VD061684.D
Acq: 9 Apr 2019 19:34

Tgt Ion:152 Resp: 167669
Ion Ratio Lower Upper
152 100
115 56.9 26.4 79.2
150 152.4 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.348 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD061684.D

Acq: 9 Apr 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

20190169-COMP-CS-1

Tot Ion:105 Resp: 15058

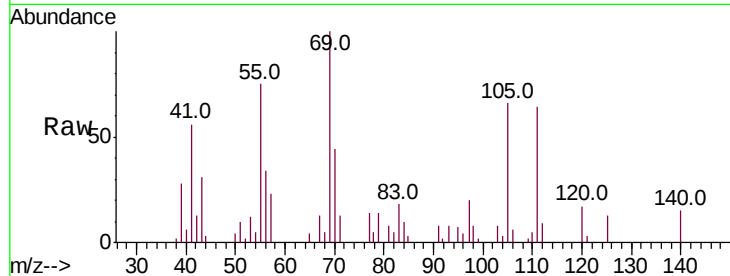
Ion Ratio Lower Upper

105 100

120 26.1 12.2 36.4

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12000

10000

8000

6000

4000

2000

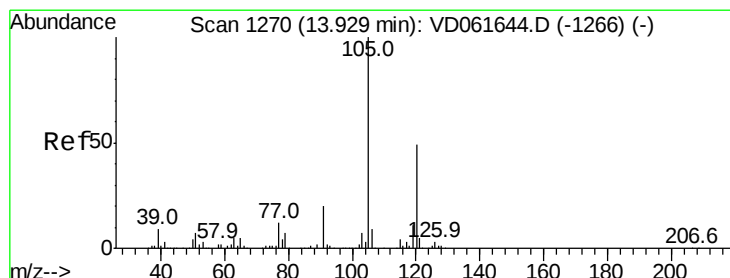
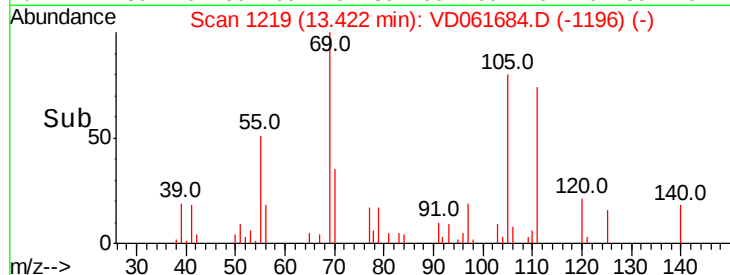
0

13.35

13.42

13.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 3.820 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.02 min

Lab File: VD061684.D

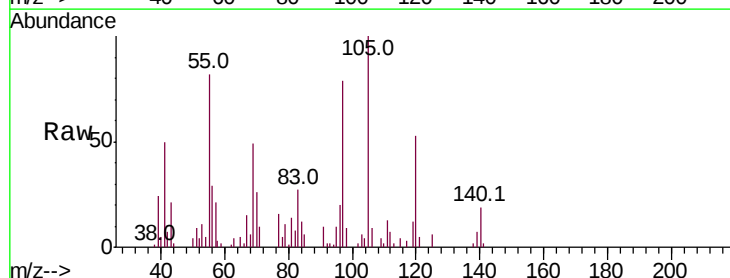
Acq: 9 Apr 2019 19:34

Tgt Ion:105 Resp: 33877

Ion Ratio Lower Upper

105 100

120 52.7 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

25000

20000

15000

10000

5000

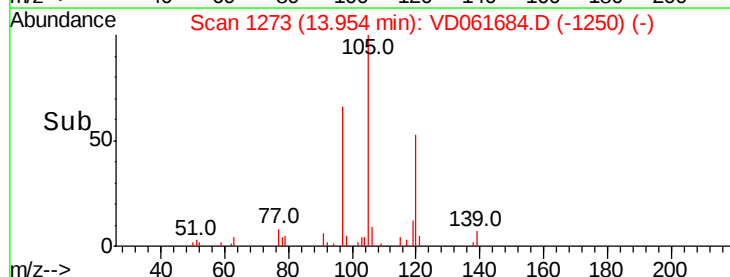
0

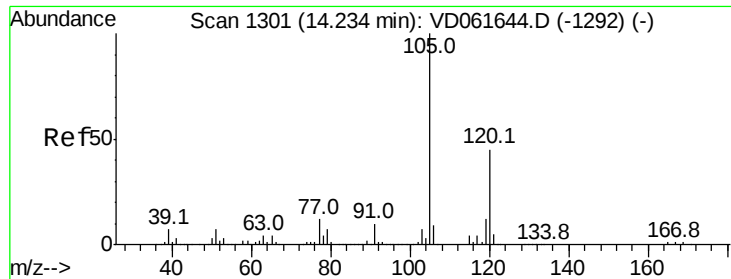
13.90

13.95

14.00

Time-->





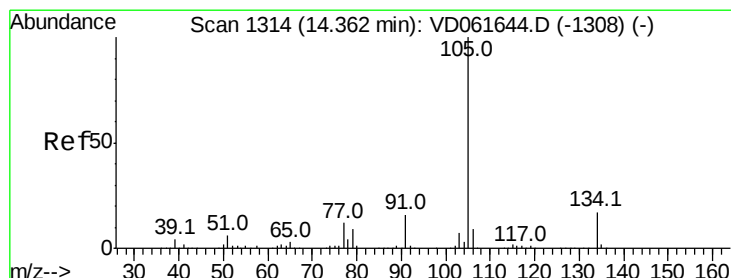
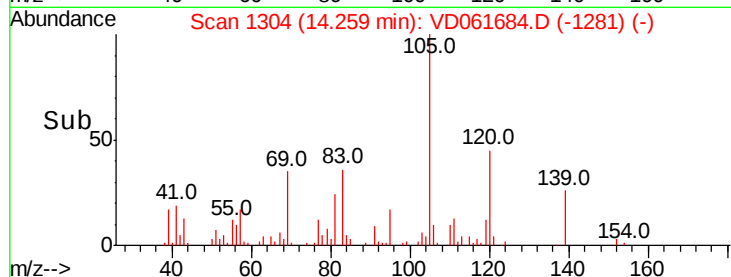
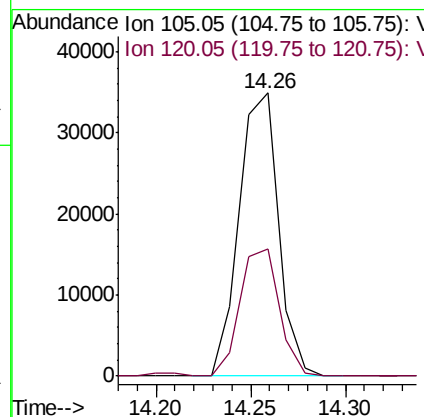
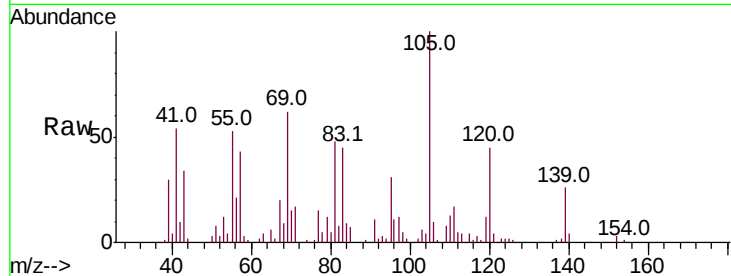
#84
 1,2,4-Trimethylbenzene
 Concen: 5.589 ug/l
 RT: 14.26 min Scan# 1304
 Delta R.T. 0.02 min
 Lab File: VD061684.D
 Acq: 9 Apr 2019 19:34

Instrument :
 MSVOA_D
 ClientSampleId :
 20190169-COMP-CS-1

Tot Ion:105 Resp: 50016
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.6 67.8

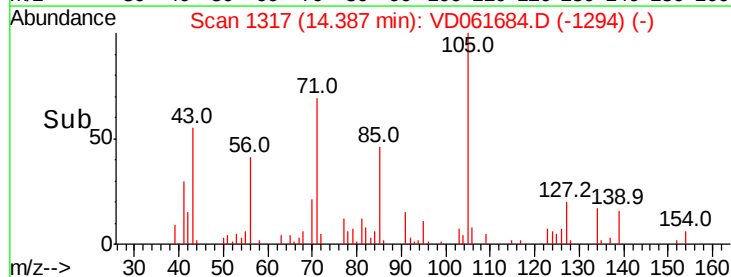
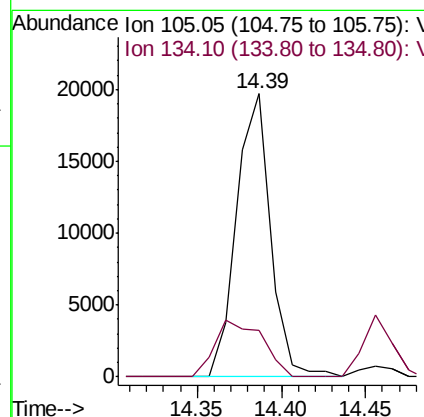
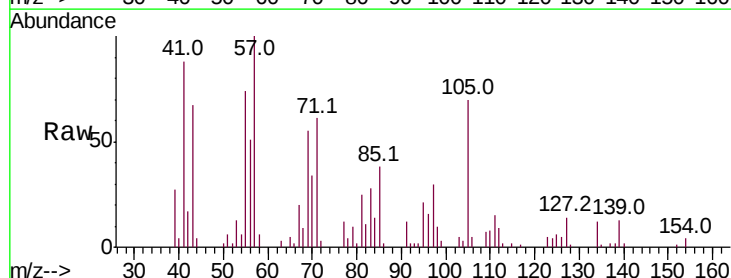
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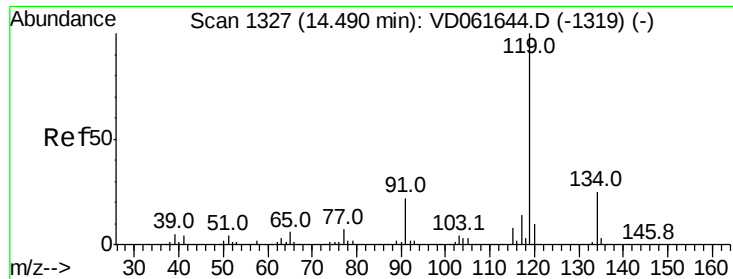
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#85
 sec-Butylbenzene
 Concen: 2.391 ug/l
 RT: 14.39 min Scan# 1317
 Delta R.T. 0.02 min
 Lab File: VD061684.D
 Acq: 9 Apr 2019 19:34

Tgt Ion:105 Resp: 27614
 Ion Ratio Lower Upper
 105 100
 134 16.7 8.6 25.7





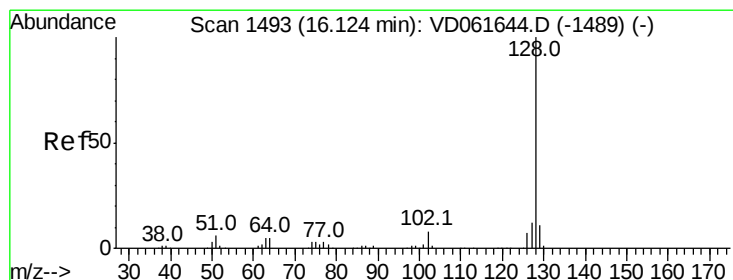
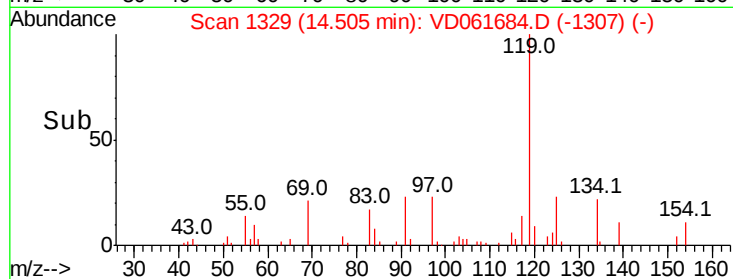
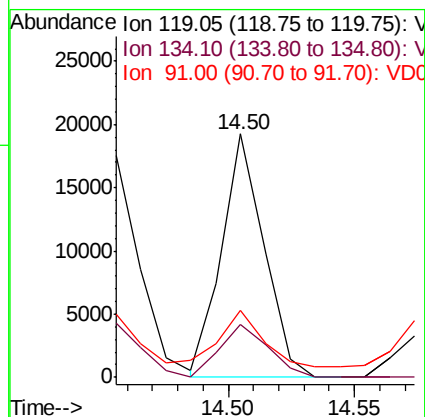
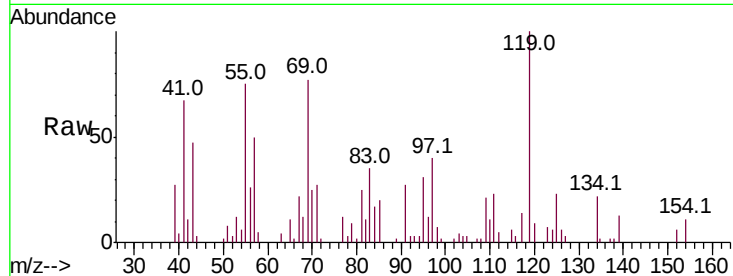
#86
p-Isopropyltoluene
Concen: 2.232 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. 0.01 min
Lab File: VD061684.D
Acq: 9 Apr 2019 19:34

Instrument :
MSVOA_D
ClientSampleId :
20190169-COMP-CS-1

Tot Ion	Ratio	Resp	Lower	Upper
119	100	22365		
134	21.6	12.5	37.5	
91	27.3	11.0	33.0	

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#95
Naphthalene
Concen: 6.228 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VD061684.D
Acq: 9 Apr 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	23093		
127	12.0	9.4	14.2	
129	11.8	8.8	13.2	

