

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
 Data File : VD061713.D
 Acq On : 10 Apr 2019 15:18
 Operator : VA/AP
 Sample : K2316-01RE
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 4/19/2019 9:05:53 AM

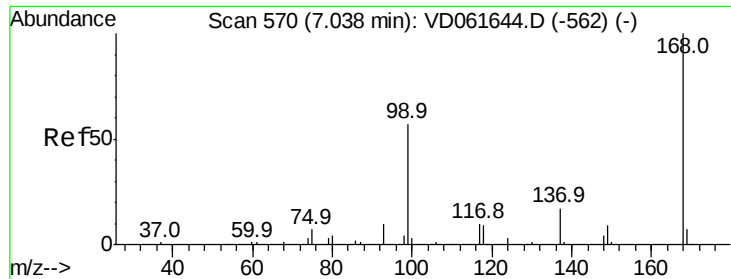
Quant Time: Apr 19 04:37:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	420157	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	719487	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	413969	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	127303	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	193898	60.88	ug/l	0.02
Spiked Amount			Recovery	=	121.76%	
35) Dibromofluoromethane	6.95	113	291572	58.50	ug/l	0.03
Spiked Amount			Recovery	=	117.00%	
50) Toluene-d8	10.43	98	555870	44.39	ug/l	0.02
Spiked Amount			Recovery	=	88.78%	
62) 4-Bromofluorobenzene	13.56	95	163812m	34.91	ug/l	0.00
Spiked Amount			Recovery	=	69.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	101428	106.538	ug/l	96
20) Methylene Chloride	3.84	84	39203	7.257	ug/l	96
25) 2-Butanone	6.10	43	34247	31.204	ug/l #	88
39) Methylcyclohexane	8.89	83	20954	3.241	ug/l	93
40) Benzene	7.49	78	28050	1.846	ug/l	98
68) m/p-Xylenes	12.67	106	8540	1.772	ug/l	85
69) o-Xylene	13.06	106	13492	2.900	ug/l	83
73) Isopropylbenzene	13.41	105	22479	2.650	ug/l	88
80) 1,3,5-Trimethylbenzene	13.94	105	40347	5.993	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	66520	9.790	ug/l	99
85) sec-Butylbenzene	14.38	105	33671	3.839	ug/l	100
86) p-Isopropyltoluene	14.49	119	23012	3.025	ug/l	96
95) Naphthalene	16.13	128	35441	12.589	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061713.D

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MSVOA_D

ClientSampleId :

20190169-COMP-CS-1RE

Tot Ion:168 Resp: 420157

Ion Ratio Lower Upper

168 100

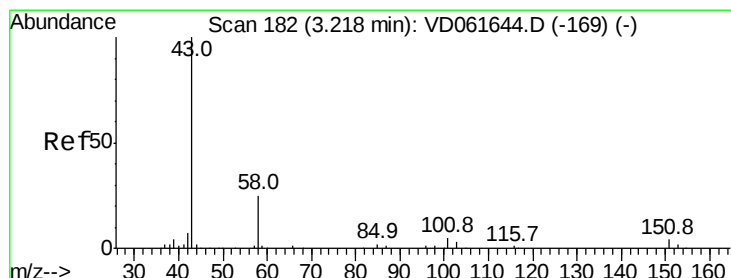
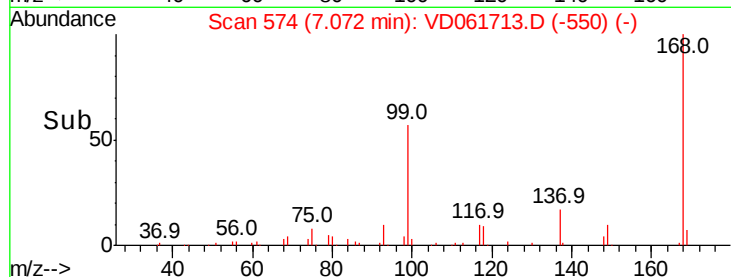
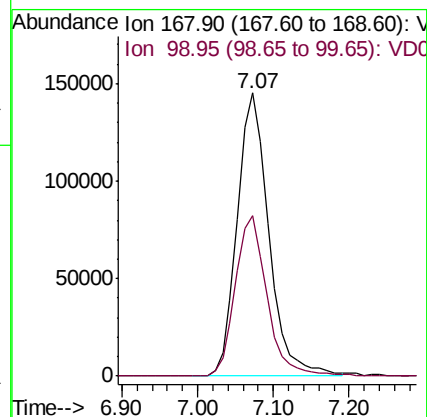
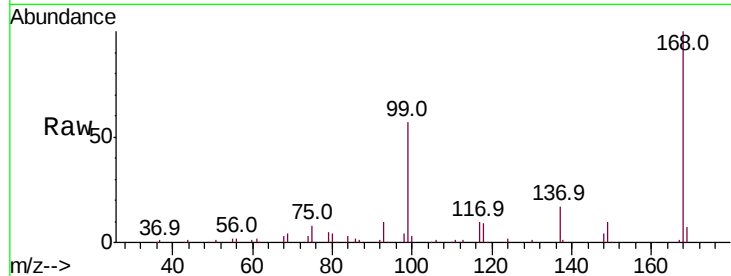
99 56.5 46.8 70.2

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#16

Acetone

Concen: 106.538 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061713.D

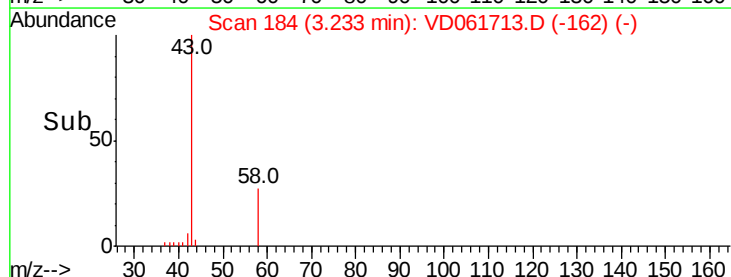
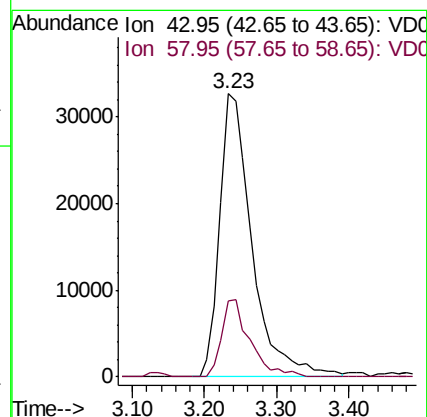
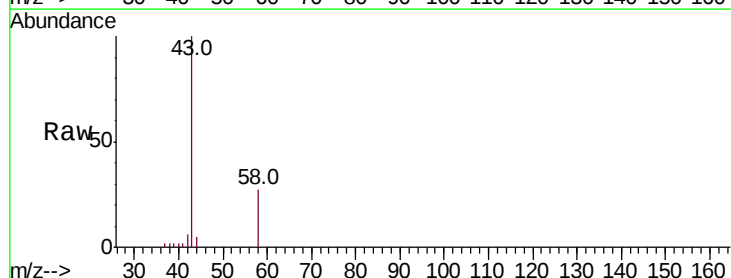
Acq: 10 Apr 2019 15:18

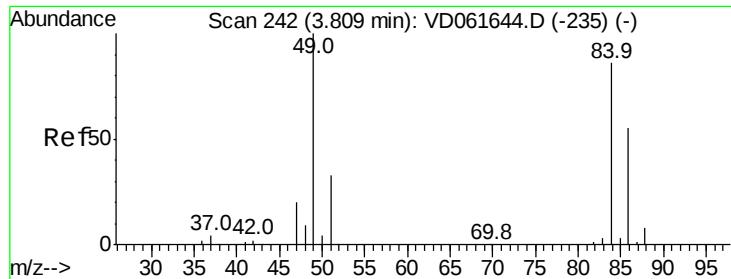
Tgt Ion: 43 Resp: 101428

Ion Ratio Lower Upper

43 100

58 26.6 19.7 29.5





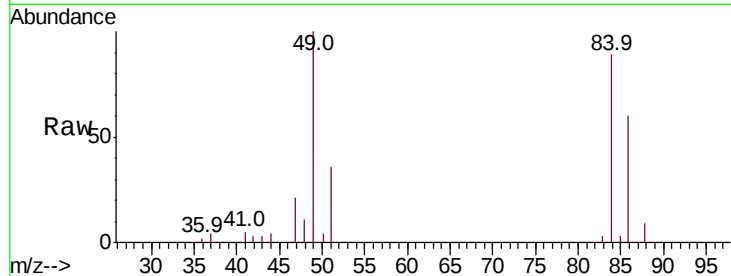
#20
Methvlene Chloride
Concen: 7.257 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.04 min
Lab File: VD061713.D
Acq: 10 Apr 2019 15:18

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

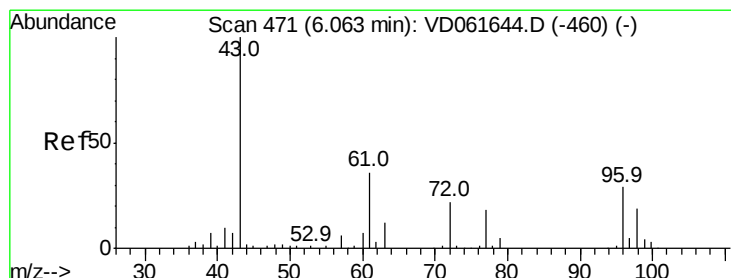
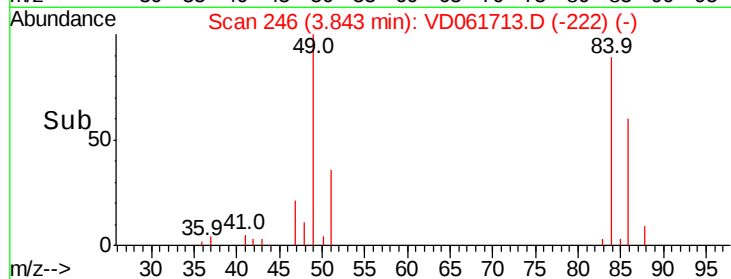
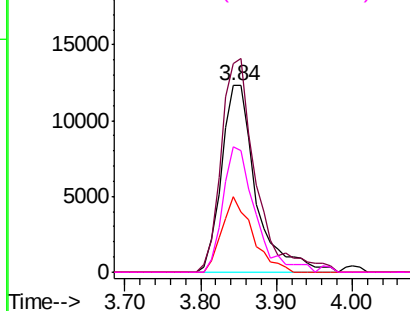
Tot Ion	84	Resp	39203
Ion	Ratio	Lower	Upper
84	100		
49	111.8	93.0	139.4
51	40.5	30.4	45.6
86	67.1	51.0	76.4

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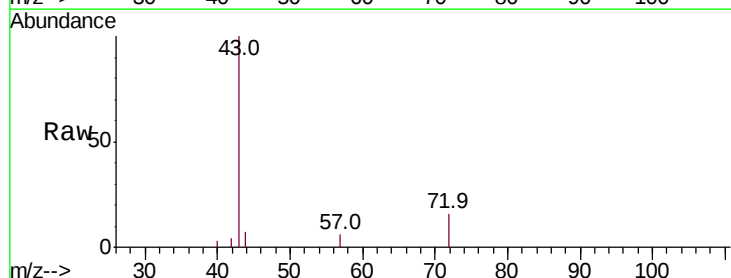


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

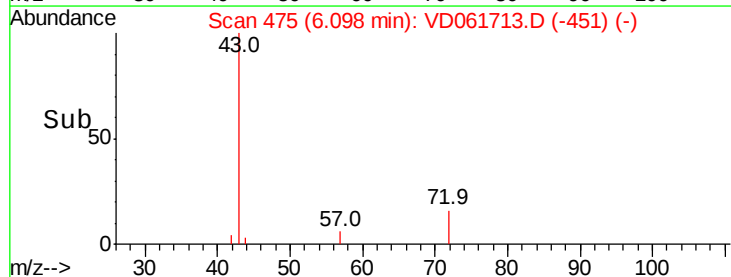
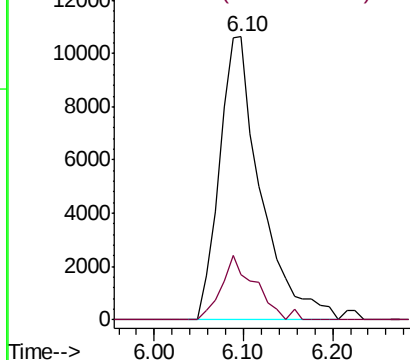


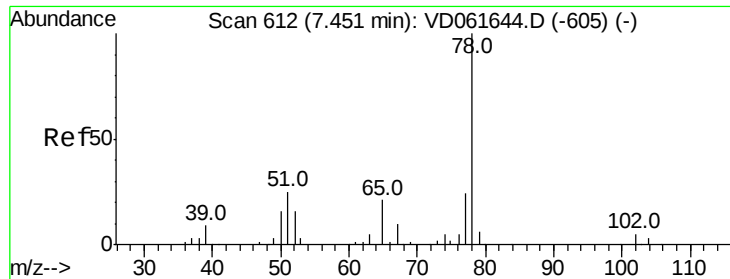
#25
2-Butanone
Concen: 31.204 ug/l
RT: 6.10 min Scan# 475
Delta R.T. 0.03 min
Lab File: VD061713.D
Acq: 10 Apr 2019 15:18

Tgt Ion	43	Resp	34247
Ion	Ratio	Lower	Upper
43	100		
72	16.0	17.4	26.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 60.883 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD061713.D

Acq: 10 Apr 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

20190169-COMP-CS-1RE

Tot Ion: 65 Resp: 193898

Ion Ratio Lower Upper

65 100

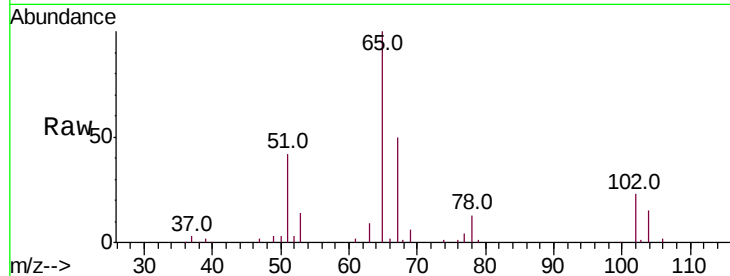
67 50.2 0.0 99.4

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.48

80000

60000

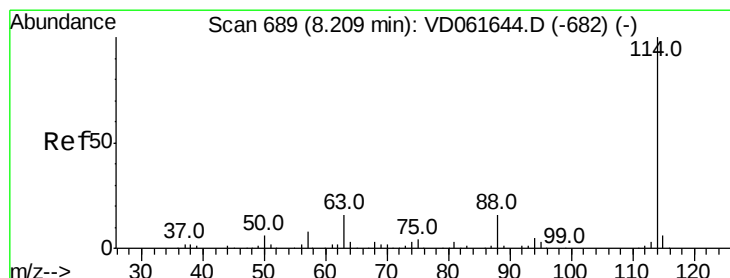
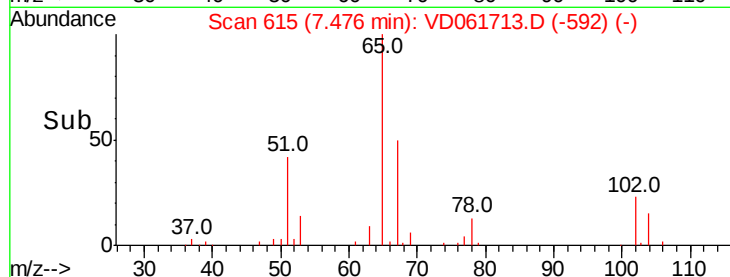
40000

20000

0

Time-->

7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD061713.D

Acq: 10 Apr 2019 15:18

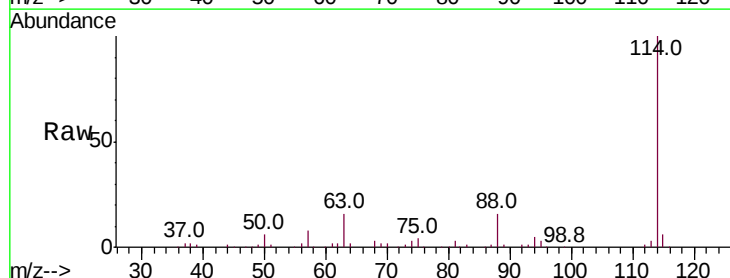
Tgt Ion: 114 Resp: 719487

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.2

88 16.4 0.0 31.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.24

300000

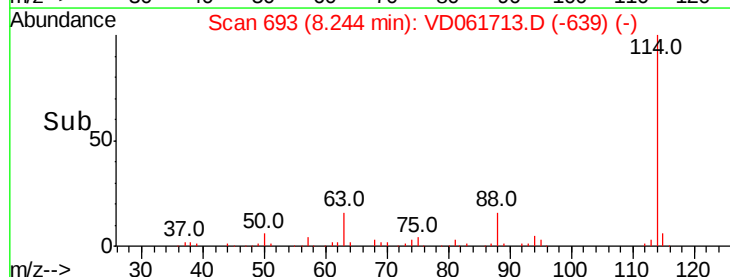
200000

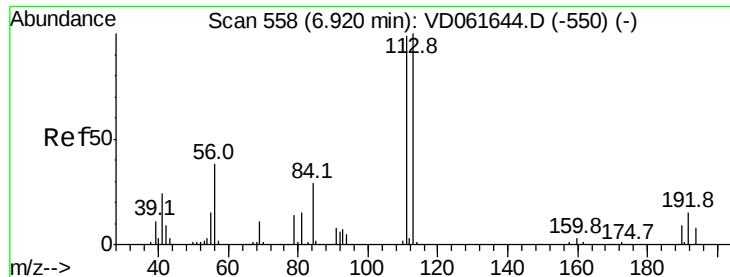
100000

0

Time-->

8.20 8.40





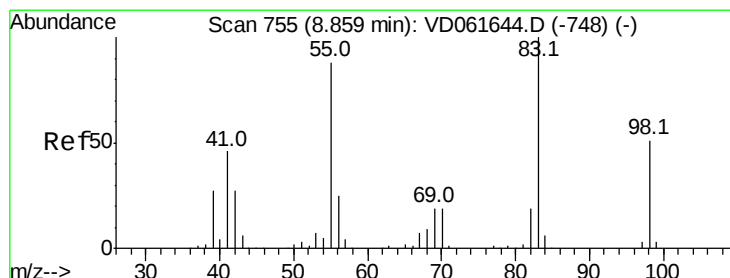
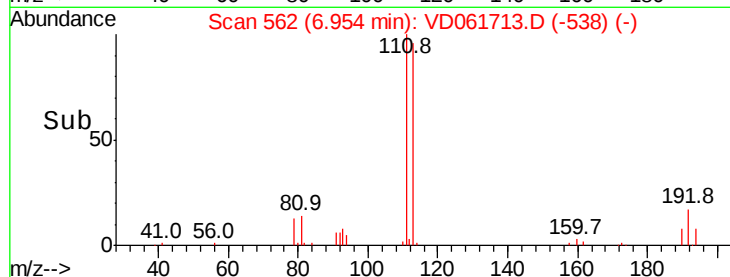
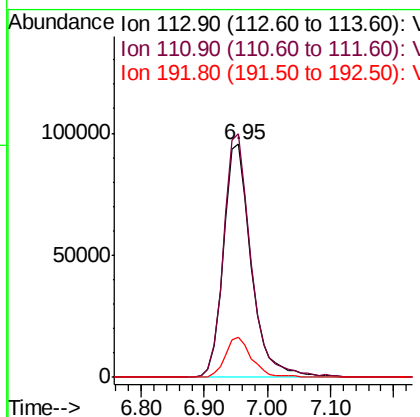
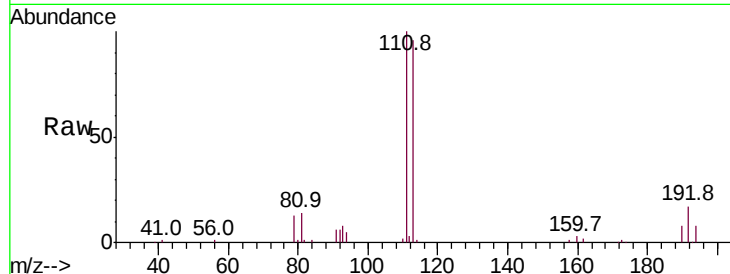
#35
 Dibromofluoromethane
 Concen: 58.497 ug/l
 RT: 6.95 min Scan# 562
 Delta R.T. 0.03 min
 Lab File: VD061713.D
 Acq: 10 Apr 2019 15:18

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	291572		
111	104.5	79.3	118.9	
192	17.3	12.3	18.5	

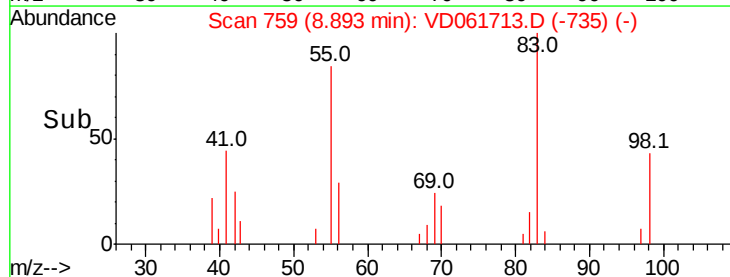
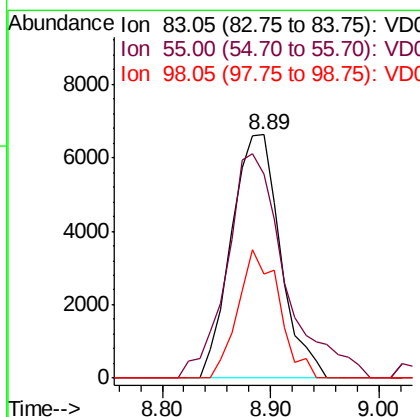
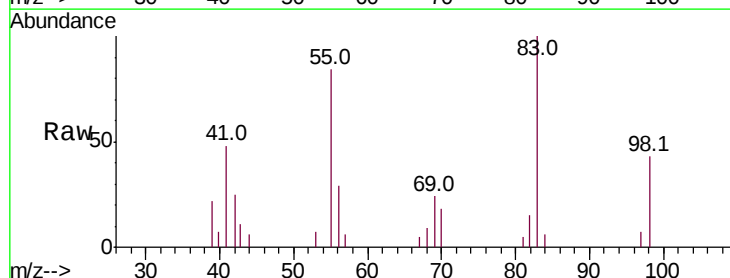
Manual Integrations
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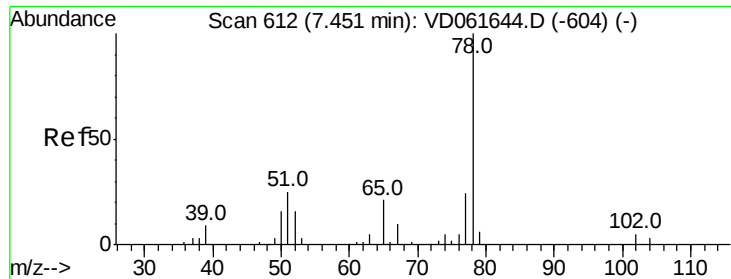
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#39
 Methylcyclohexane
 Concen: 3.241 ug/l
 RT: 8.89 min Scan# 759
 Delta R.T. 0.03 min
 Lab File: VD061713.D
 Acq: 10 Apr 2019 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	20954		
55	83.5	70.3	105.5	
98	42.9	41.0	61.6	





#40

Benzene

Concen: 1.846 ug/l

RT: 7.49 min Scan# 616

Delta R.T. 0.03 min

Lab File: VD061713.D

Acq: 10 Apr 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

20190169-COMP-CS-1RE

Tot Ion: 78 Resp: 28050

Ion Ratio Lower Upper

78 100

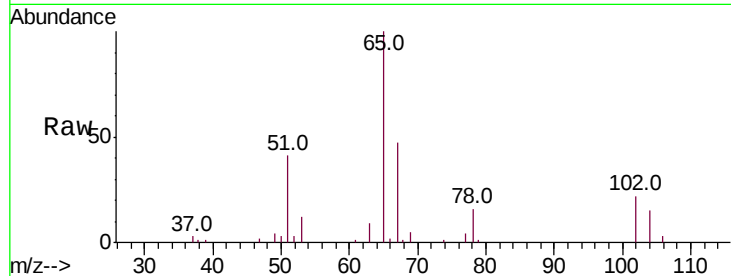
77 25.4 19.5 29.3

Manual Integrations

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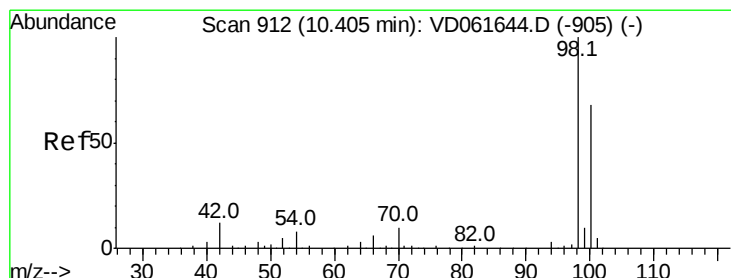
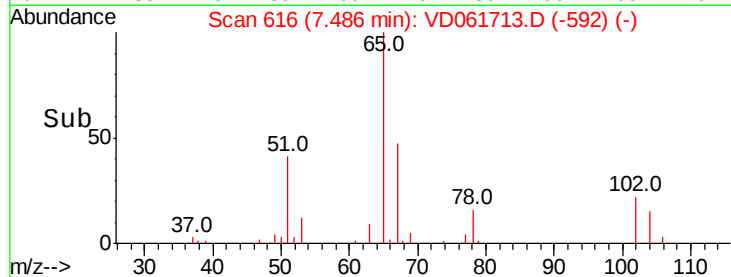
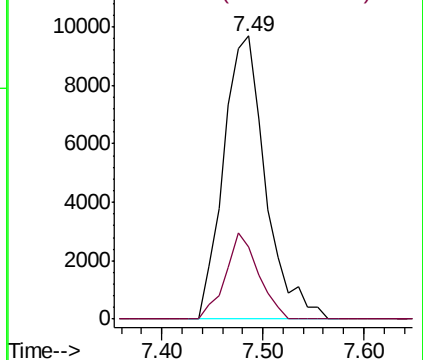
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Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: 44.388 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.02 min

Lab File: VD061713.D

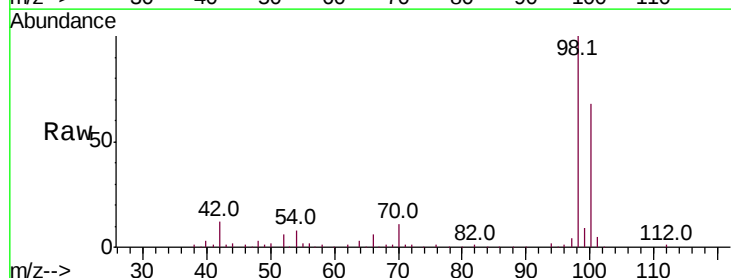
Acq: 10 Apr 2019 15:18

Tgt Ion: 98 Resp: 555870

Ion Ratio Lower Upper

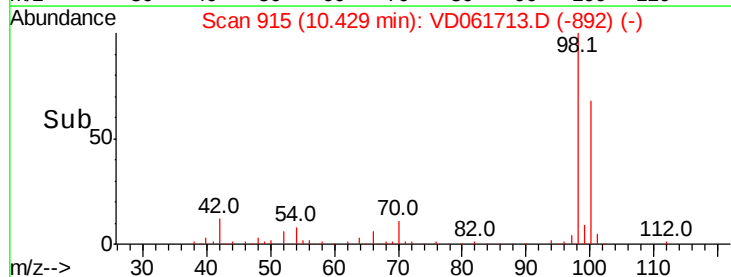
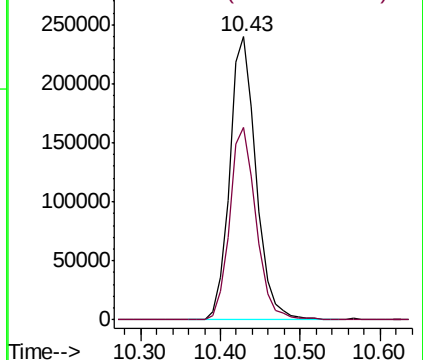
98 100

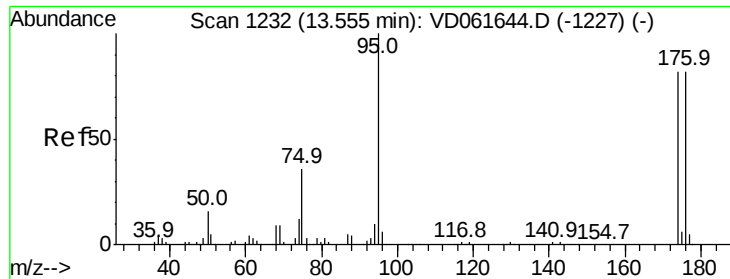
100 68.0 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





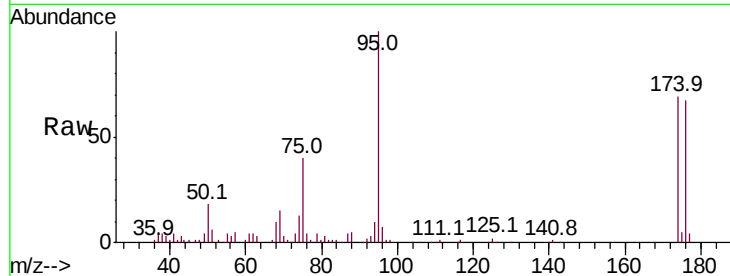
#62
4-Bromofluorobenzene
Concen: 34.907 ug/l m
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061713.D
Acq: 10 Apr 2019 15:18

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

Tot Ion	Ratio	Resp	Lower	Upper
95	100	163812		
174	69.4	0.0	164.6	
176	66.8	0.0	165.0	

Manual Integrations
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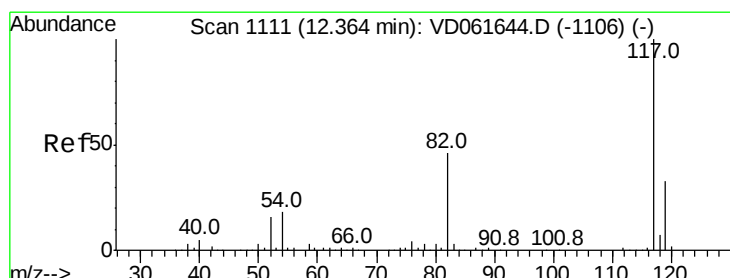
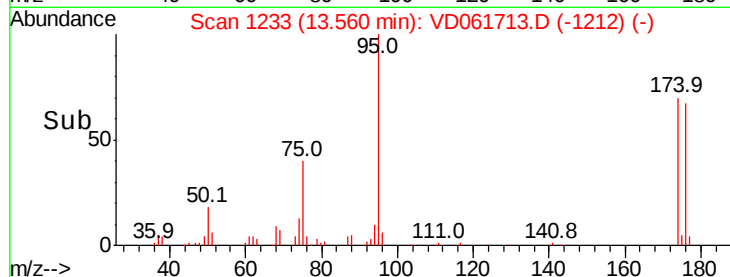
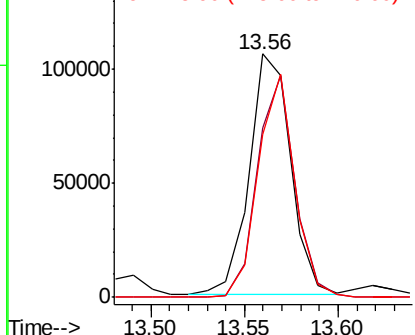
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Abundance Ion 95.00 (94.70 to 95.70): V

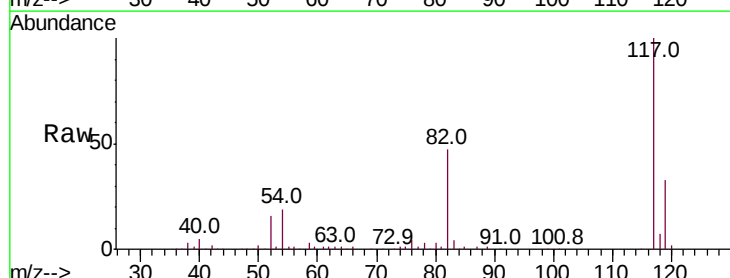
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061713.D
Acq: 10 Apr 2019 15:18

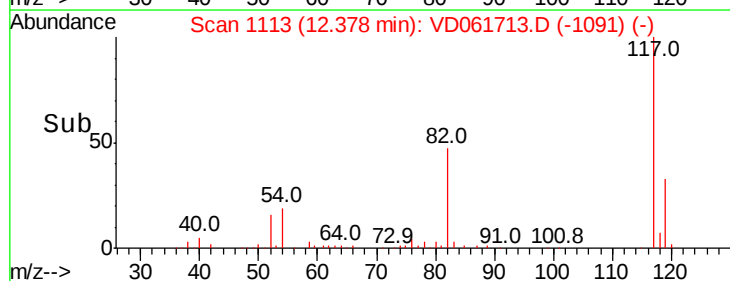
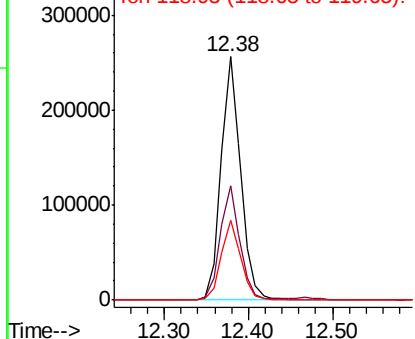
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	413969		
82	46.8	36.8	55.2	
119	32.7	26.1	39.1	

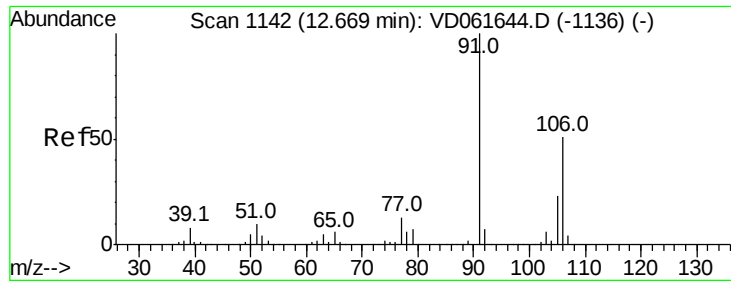


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





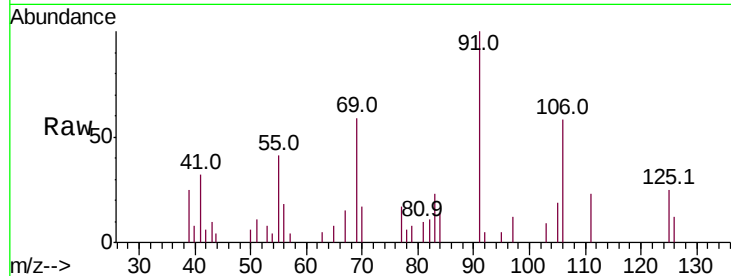
#68
m/p-Xylenes
Concen: 1.772 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD061713.D
Acq: 10 Apr 2019 15:18

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

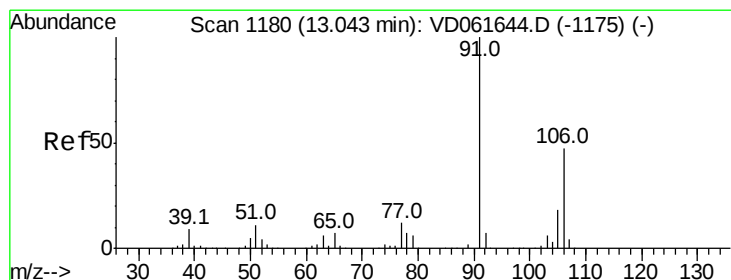
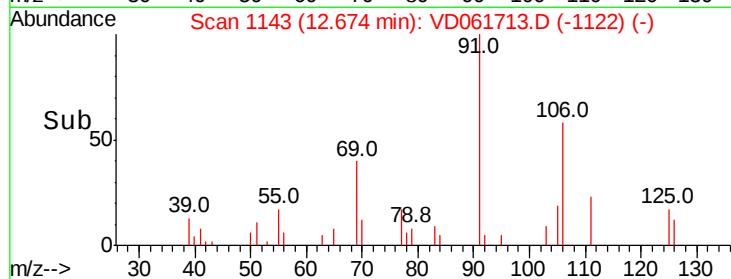
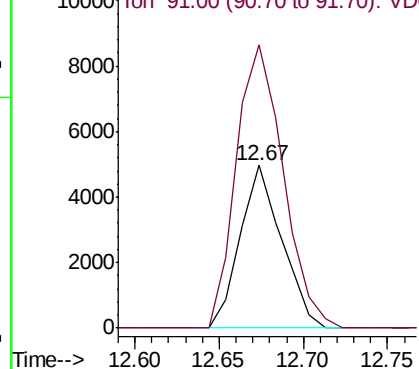
Tot Ion:106 Resp: 8540
Ion Ratio Lower Upper
106 100
91 173.7 156.7 235.1

Manual Integrations
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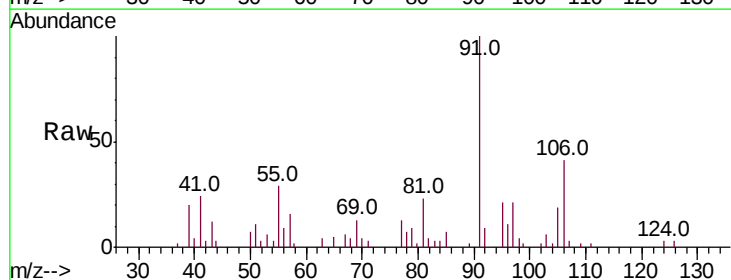


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

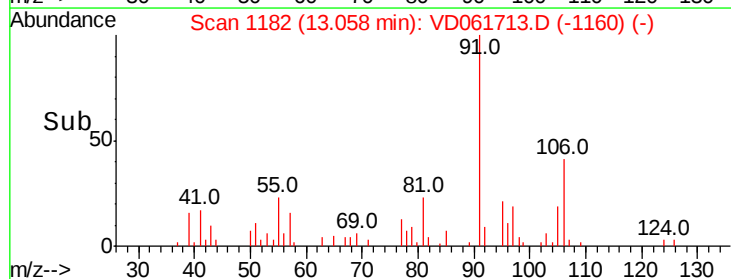
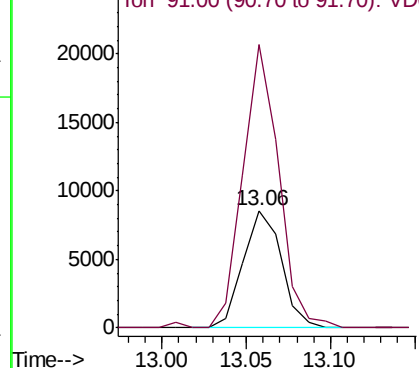


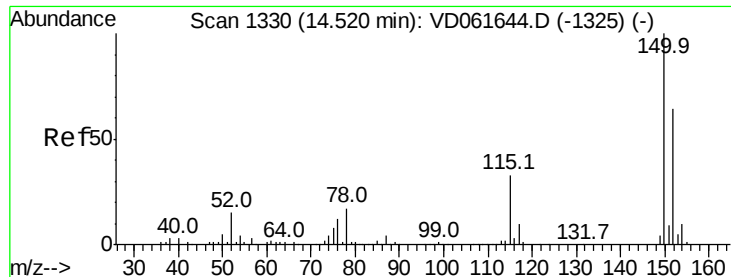
#69
o-Xylene
Concen: 2.900 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061713.D
Acq: 10 Apr 2019 15:18

Tgt Ion:106 Resp: 13492
Ion Ratio Lower Upper
106 100
91 241.3 107.3 321.9



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061713.D

Acq: 10 Apr 2019 15:18

Instrument :

MSVOA_D

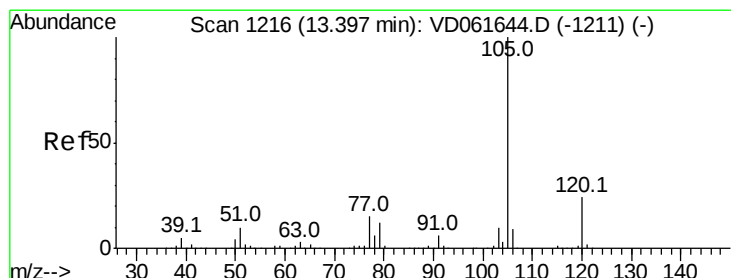
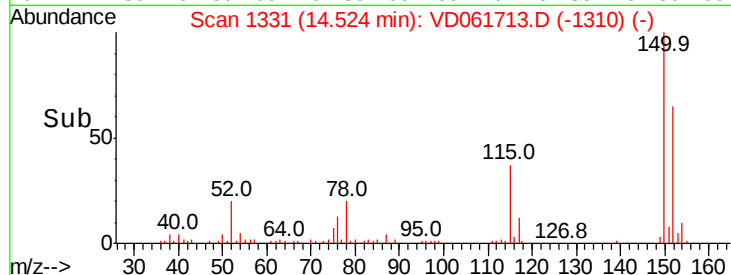
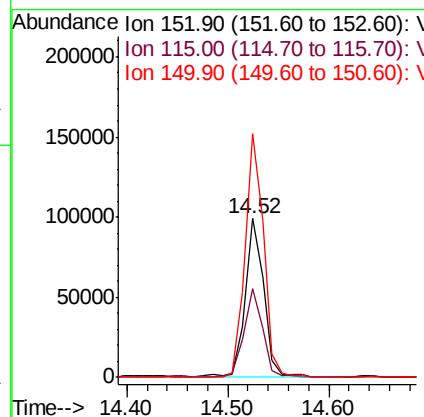
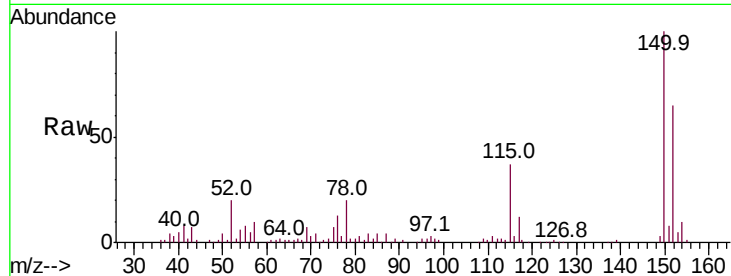
ClientSampleId :

20190169-COMP-CS-1RE

Tot Ion:	152	Resp:	127303
Ion Ratio	Lower	Upper	
152	100		
115	56.1	26.4	79.2
150	153.3	0.0	320.6

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#73

Isopropylbenzene

Concen: 2.650 ug/l

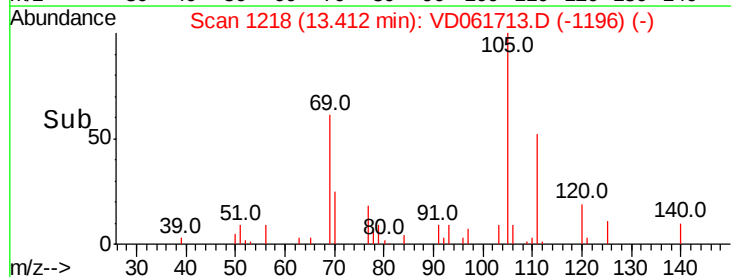
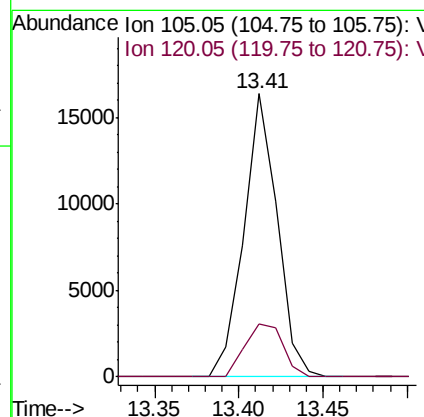
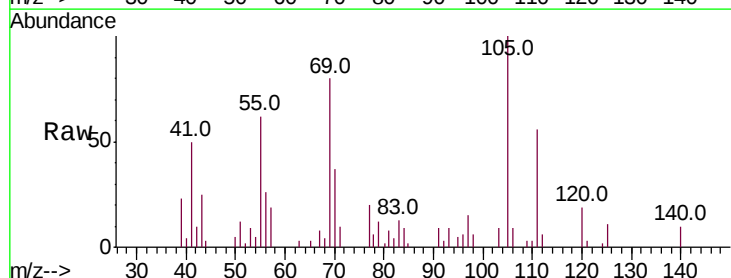
RT: 13.41 min Scan# 1218

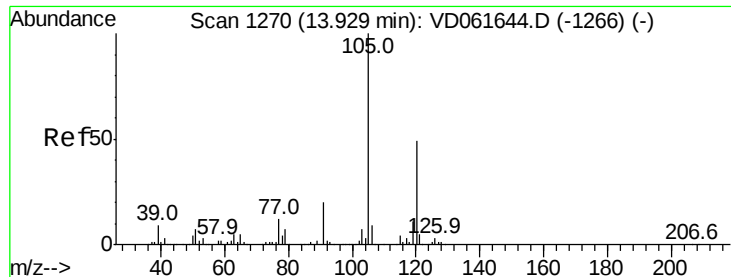
Delta R.T. 0.01 min

Lab File: VD061713.D

Acq: 10 Apr 2019 15:18

Tgt Ion:	105	Resp:	22479
Ion Ratio	Lower	Upper	
105	100		
120	18.6	12.2	36.4





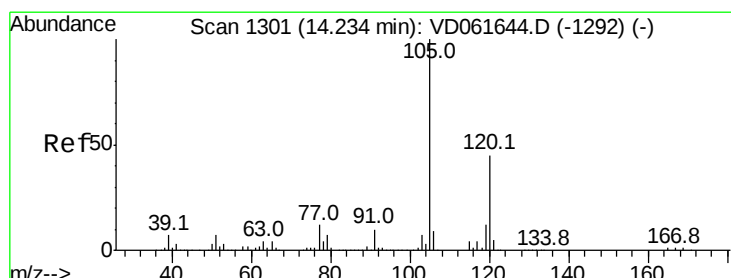
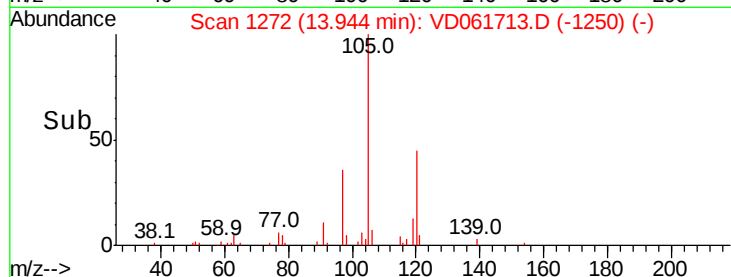
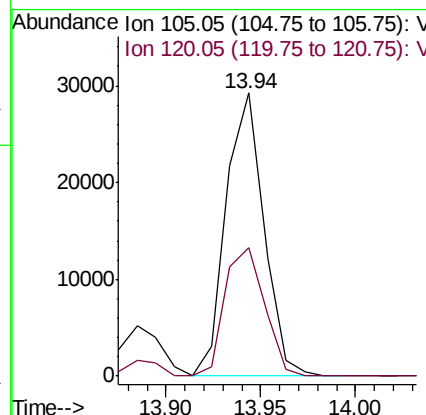
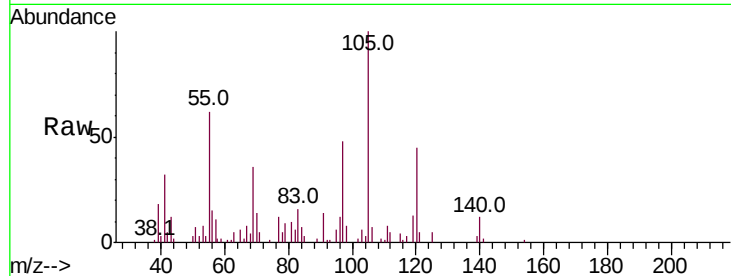
#80
 1,3,5-Trimethylbenzene
 Concen: 5.993 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD061713.D
 Acq: 10 Apr 2019 15:18

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.5	24.4	73.2

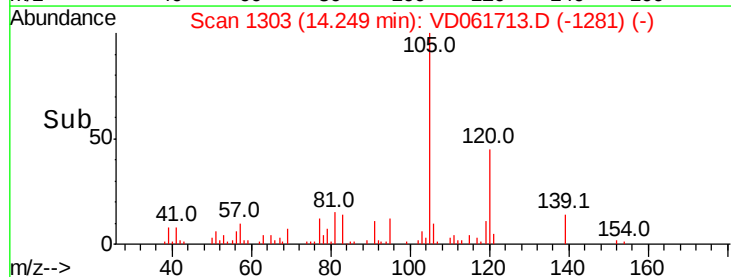
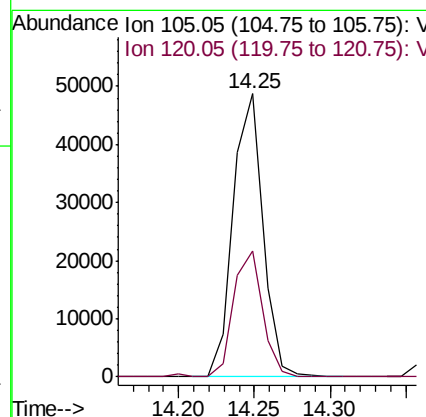
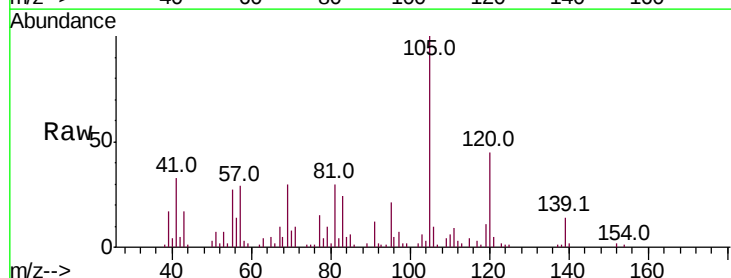
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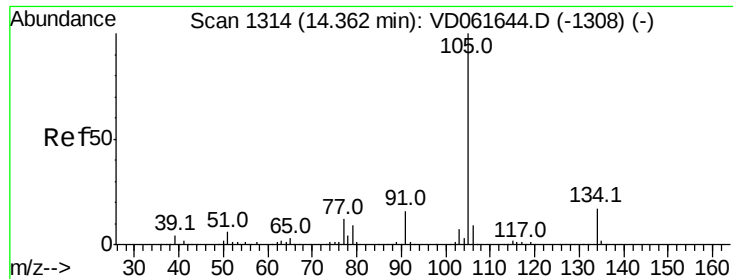
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#84
 1,2,4-Trimethylbenzene
 Concen: 9.790 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD061713.D
 Acq: 10 Apr 2019 15:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.6	67.8





#85

sec-Butylbenzene

Concen: 3.839 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD061713.D

Acq: 10 Apr 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

20190169-COMP-CS-1RE

Tot Ion:105 Resp: 33671

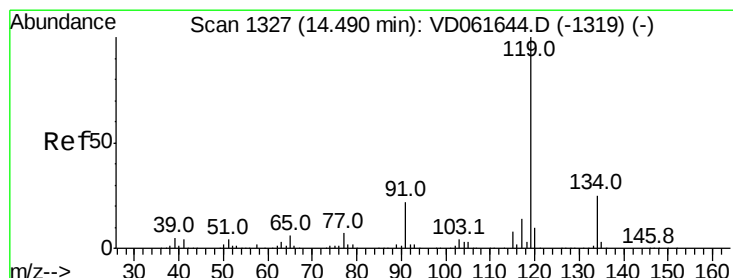
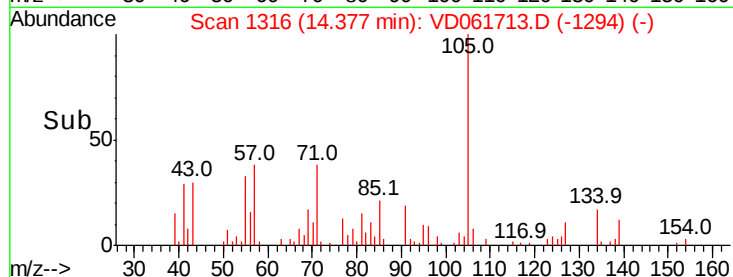
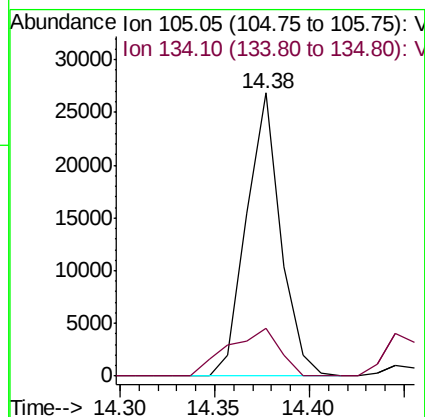
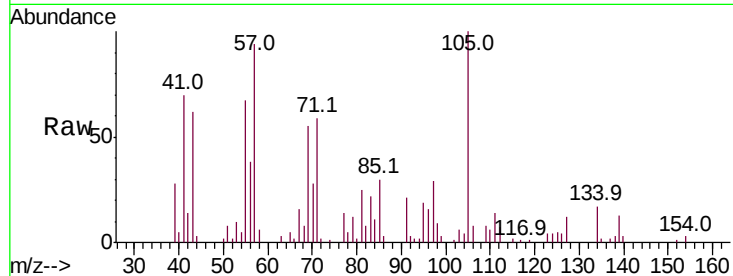
Ion Ratio Lower Upper

105 100

134 16.9 8.6 25.7

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#86

p-Isopropyltoluene

Concen: 3.025 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD061713.D

Acq: 10 Apr 2019 15:18

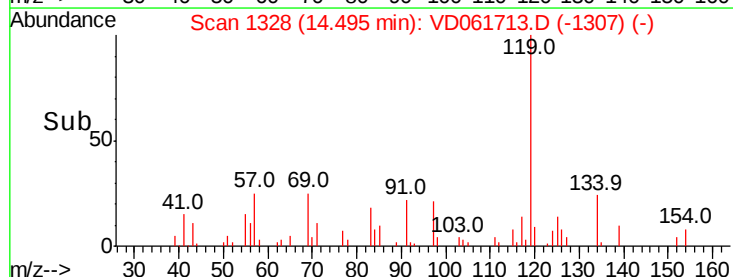
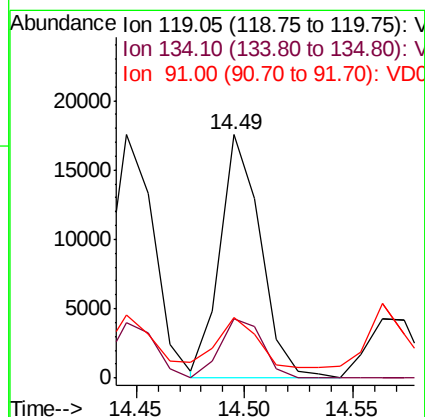
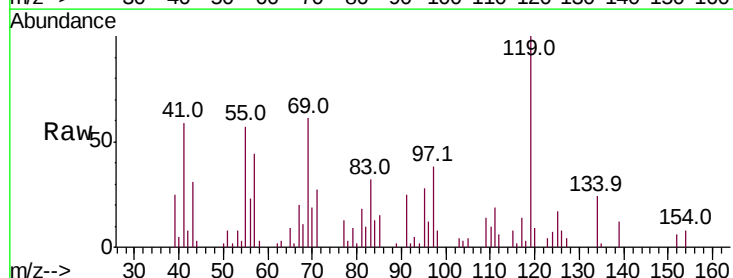
Tgt Ion:119 Resp: 23012

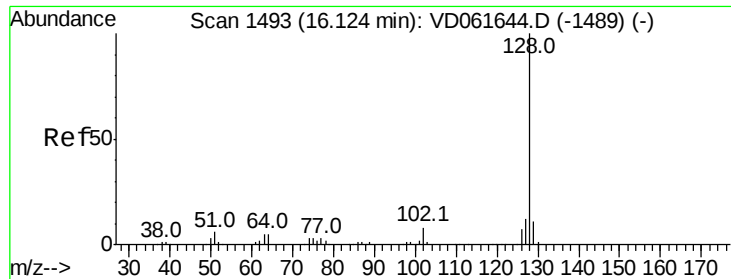
Ion Ratio Lower Upper

119 100

134 24.3 12.5 37.5

91 25.1 11.0 33.0





#95
Naphthalene
Concen: 12.589 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061713.D
Acq: 10 Apr 2019 15:18

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.4	14.2
129	13.1	8.8	13.2

Manual Integrations
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