

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041019\
 Data File : VD061716.D
 Acq On : 10 Apr 2019 16:41
 Operator : VA/AP
 Sample : K2316-04RE
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20190172-COMP-CS-4RE

Manual Integrations
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MMDadoda
 4/11/2019 11:45:47 AM

Quant Time: Apr 11 04:51:31 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	416533	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	672070	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	449448	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	122475	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	229020	72.54	ug/l	0.02
Spiked Amount 50.000			Recovery	=	145.08%	
35) Dibromofluoromethane	6.95	113	339434	72.90	ug/l	0.03
Spiked Amount 50.000			Recovery	=	145.80%	
50) Toluene-d8	10.43	98	725723	62.04	ug/l	0.02
Spiked Amount 50.000			Recovery	=	124.08%	
62) 4-Bromofluorobenzene	13.56	95	184755	43.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.54%	
Target Compounds						
16) Acetone	3.24	43	117074	124.043	ug/l	98
17) Carbon Disulfide	3.41	76	34256	2.428	ug/l #	87
20) Methylene Chloride	3.85	84	39729	7.418	ug/l	91
25) 2-Butanone	6.10	43	41709	38.333	ug/l	97
40) Benzene	7.47	78	14311	1.009	ug/l	93
65) Chlorobenzene	12.41	112	15245	1.710	ug/l	98
67) Ethyl Benzene	12.53	91	36089	2.659	ug/l	98
68) m/p-Xylenes	12.67	106	23168	4.428	ug/l	88
69) o-Xylene	13.06	106	17885	3.541	ug/l	99
73) Isopropylbenzene	13.41	105	167185	20.487	ug/l	99
79) 2-Chlorotoluene	13.84	91	213526	38.250	ug/l	91
80) 1,3,5-Trimethylbenzene	13.94	105	28043	4.330	ug/l	96
83) tert-Butylbenzene	14.20	119	17265	2.211	ug/l	99
84) 1,2,4-Trimethylbenzene	14.25	105	48474	7.415	ug/l	95
85) sec-Butylbenzene	14.38	105	9408	1.115	ug/l	89
86) p-Isopropyltoluene	14.49	119	16173m	2.210	ug/l	
95) Naphthalene	16.13	128	43220	15.957	ug/l	98

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

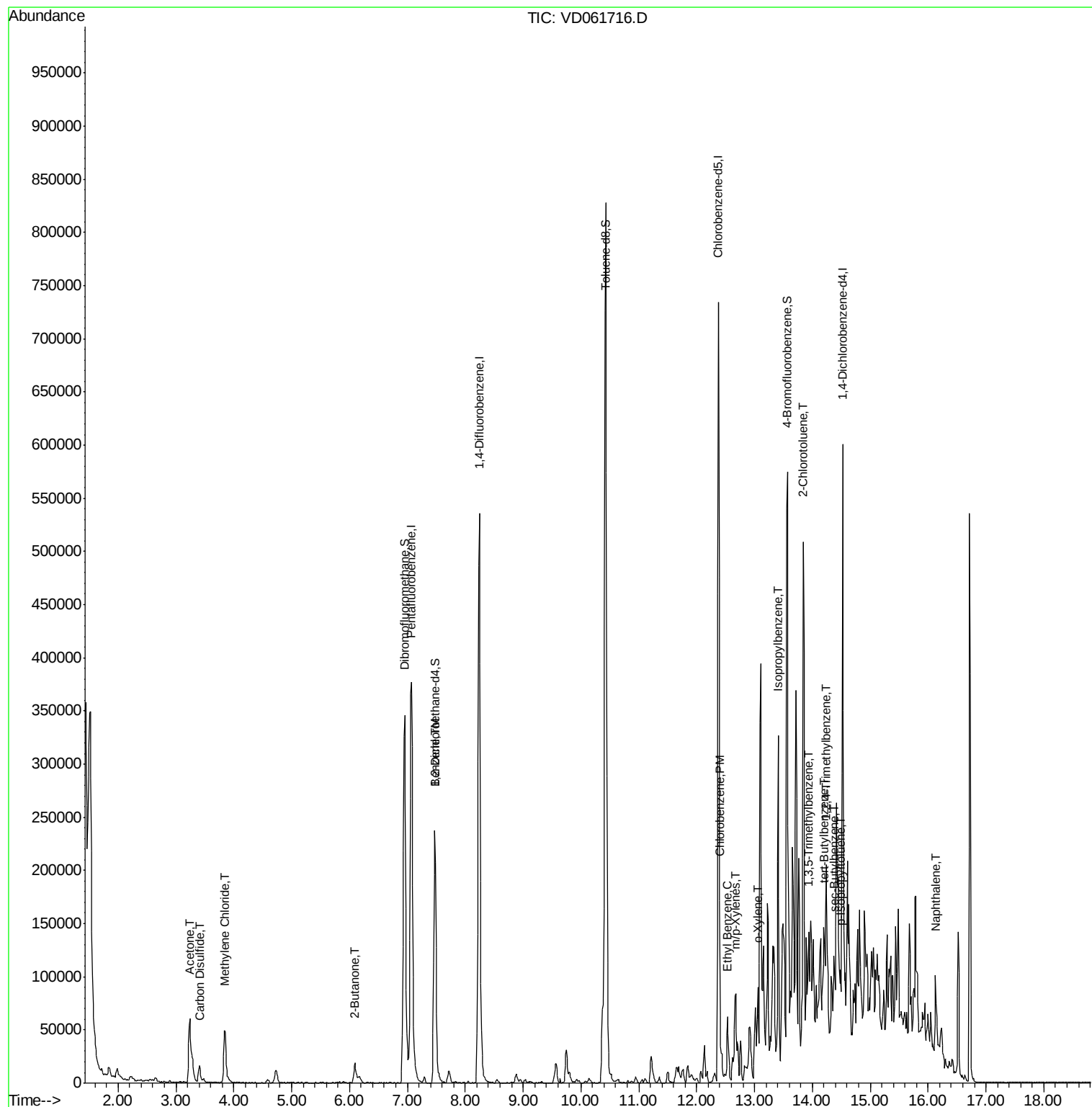
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD041019\
Data File : VD061716.D
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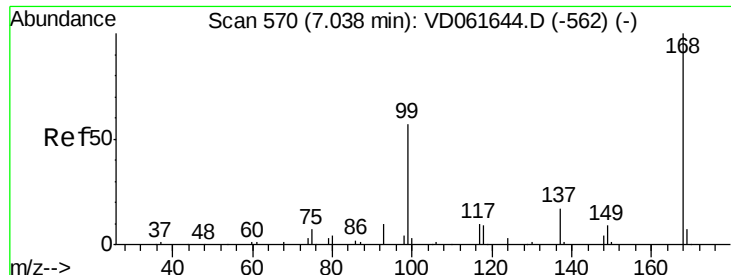
Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4RE

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Quant Time: Apr 11 04:51:31 2019
Quant Method : Z:\V0ASRV\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: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061716.D

Acq: 10 Apr 2019 16:41

Instrument :

MSVOA_D

ClientSampleId :

20190172-COMP-CS-4RE

Tgt Ion: 168 Resp: 416533

Ion Ratio Lower Upper

168 100

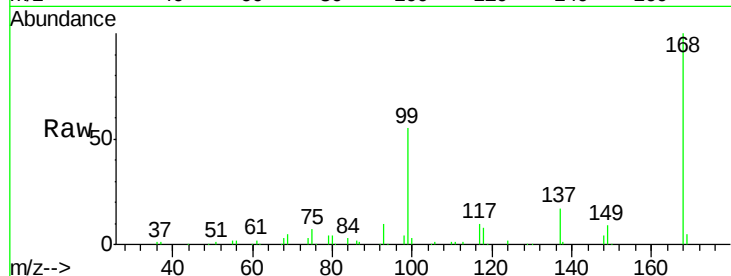
99 55.3 46.8 70.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

150000

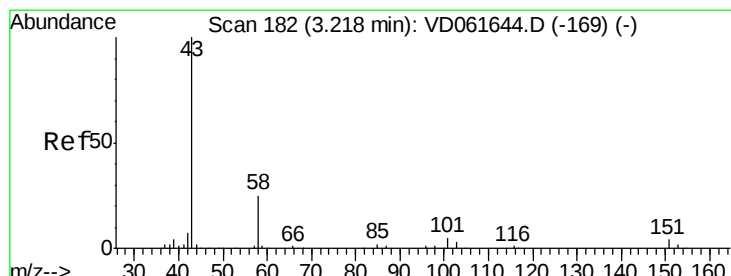
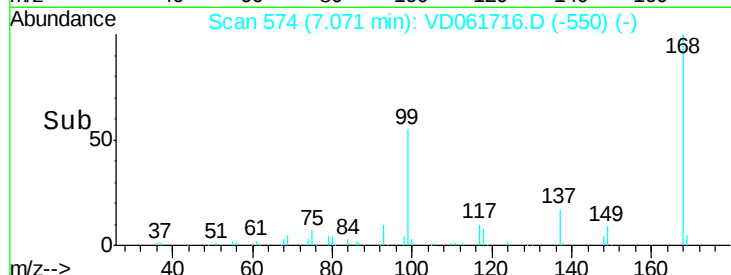
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 124.043 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD061716.D

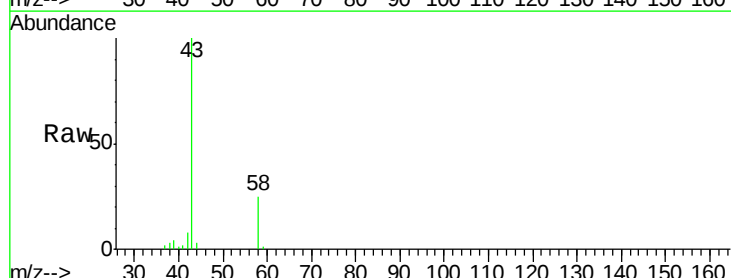
Acq: 10 Apr 2019 16:41

Tgt Ion: 43 Resp: 117074

Ion Ratio Lower Upper

43 100

58 25.4 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.24

40000

30000

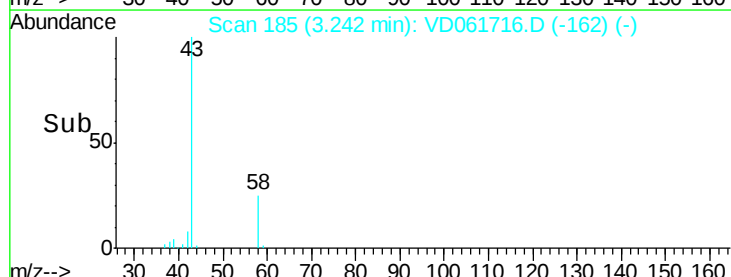
20000

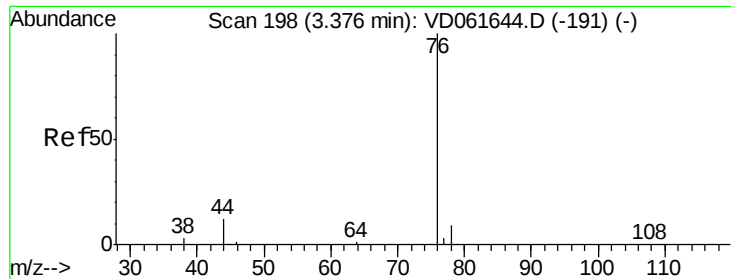
10000

0

3.10 3.20 3.30 3.40

Time-->





#17

Carbon Disulfide

Concen: 2.428 ug/l

RT: 3.41 min Scan# 202

Delta R.T. 0.03 min

Lab File: VD061716.D

Acq: 10 Apr 2019 16:41

Instrument :

MSVOA_D

ClientSampleId :

20190172-COMP-CS-4RE

Tgt Ion: 76 Resp: 34256

Ion Ratio Lower Upper

76 100

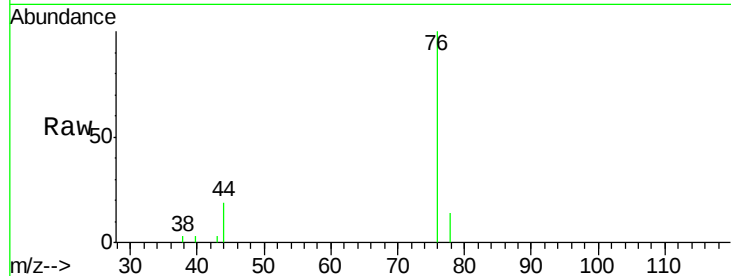
78 14.0 7.4 11.2#

Manual Integrations

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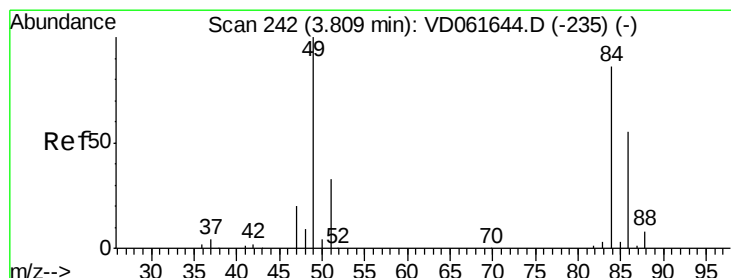
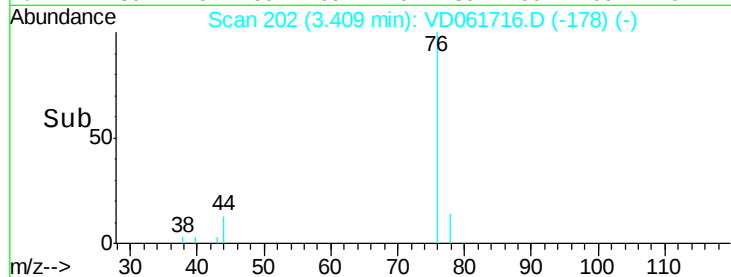
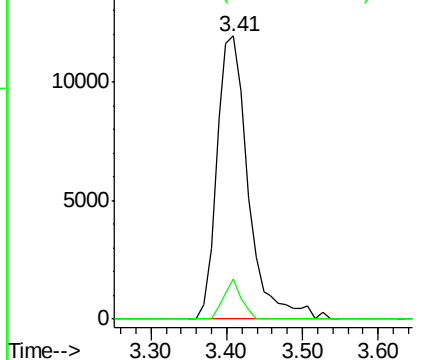
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 7.418 ug/l

RT: 3.85 min Scan# 247

Delta R.T. 0.04 min

Lab File: VD061716.D

Acq: 10 Apr 2019 16:41

Tgt Ion: 84 Resp: 39729

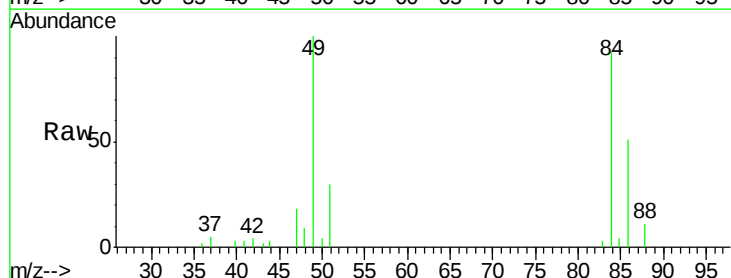
Ion Ratio Lower Upper

84 100

49 107.5 93.0 139.4

51 32.0 30.4 45.6

86 54.5 51.0 76.4

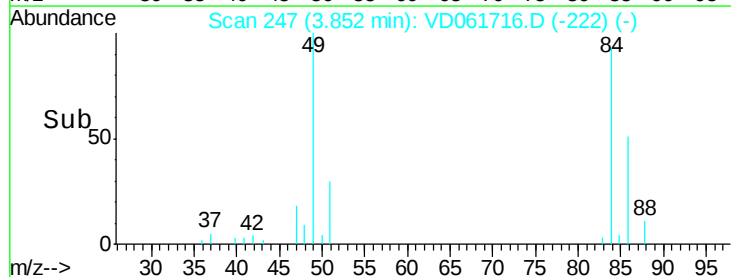
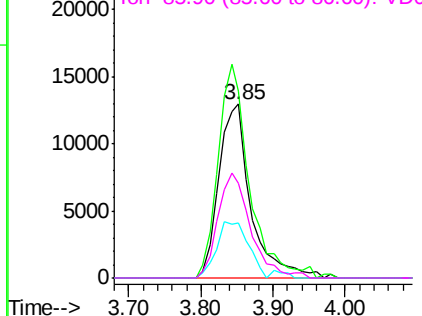


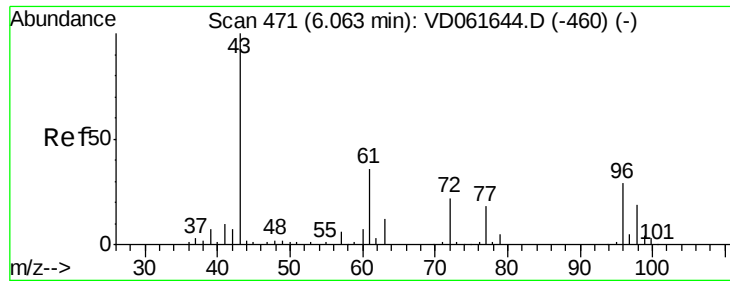
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 38.333 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD061716.D

Acq: 10 Apr 2019 16:41

Instrument :

MSVOA_D

ClientSampleId :

20190172-COMP-CS-4RE

Tgt Ion: 43 Resp: 41709

Ion Ratio Lower Upper

43 100

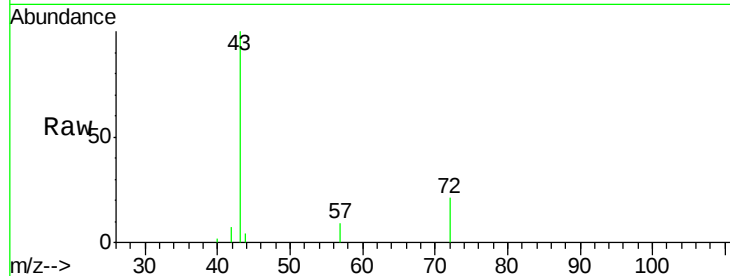
72 20.5 17.4 26.2

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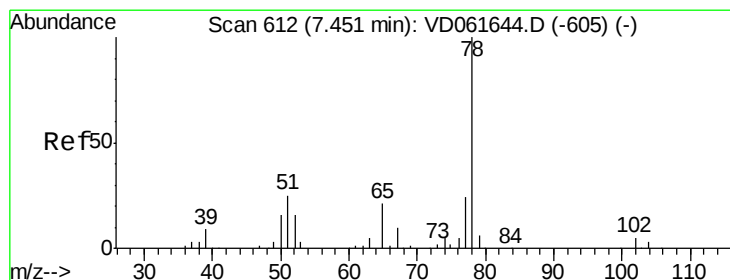
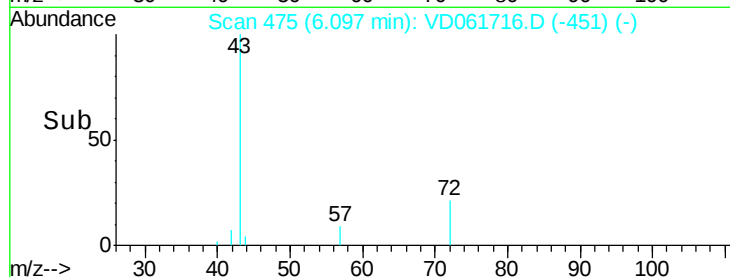
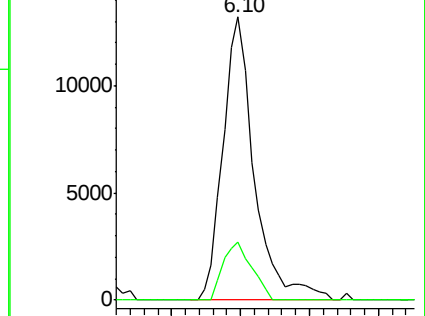
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 72.537 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD061716.D

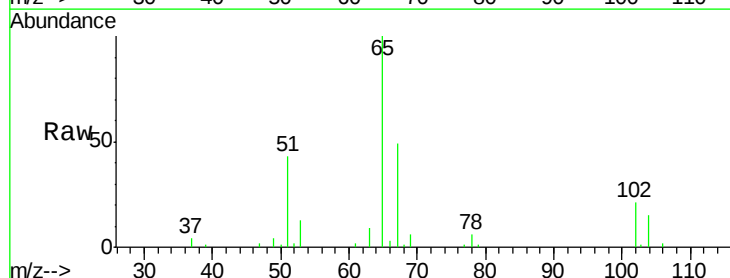
Acq: 10 Apr 2019 16:41

Tgt Ion: 65 Resp: 229020

Ion Ratio Lower Upper

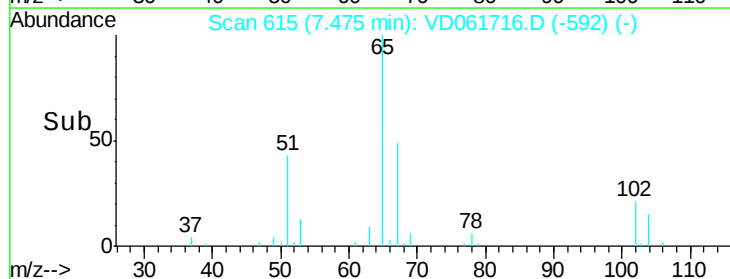
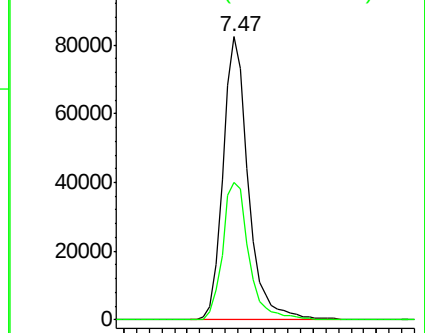
65 100

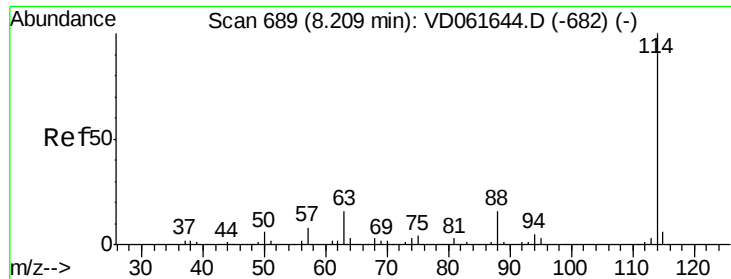
67 48.7 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





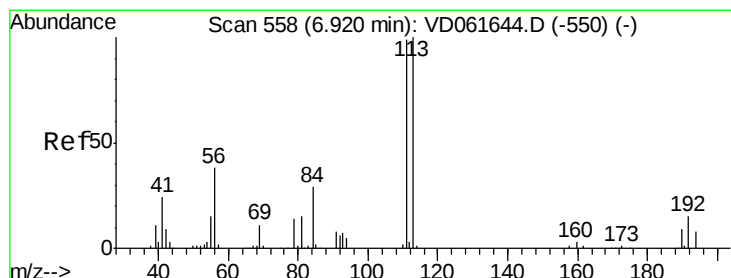
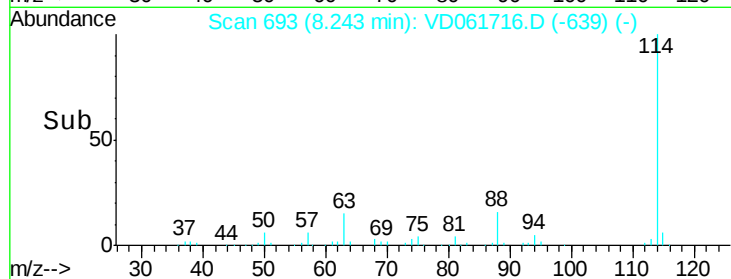
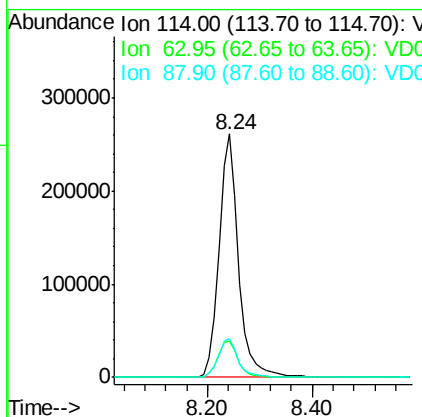
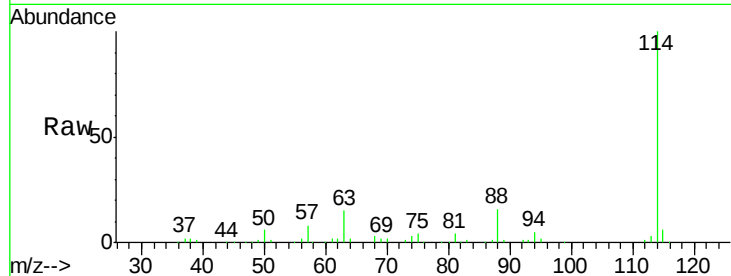
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD061716.D
 Acq: 10 Apr 2019 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 20190172-COMP-CS-4RE

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	672070		
63	15.1	0.0	31.2	
88	16.2	0.0	31.8	

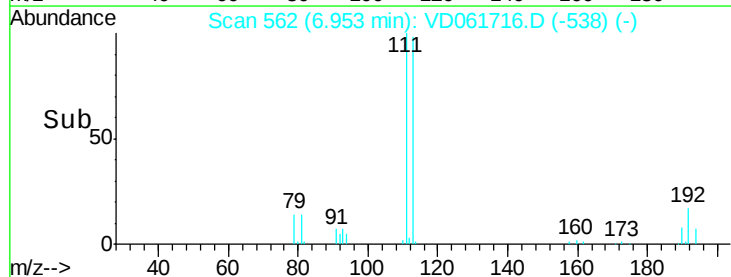
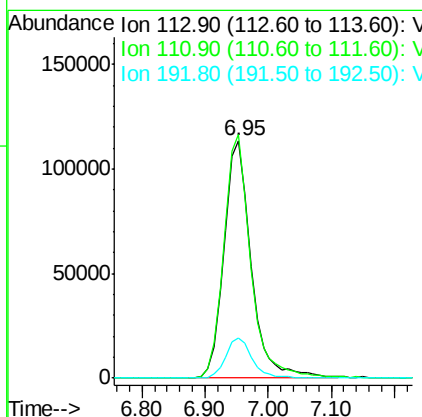
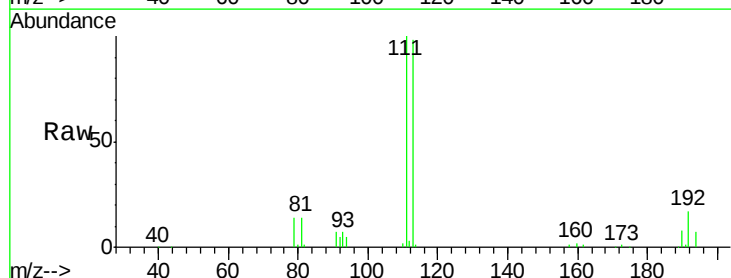
Manual Integrations
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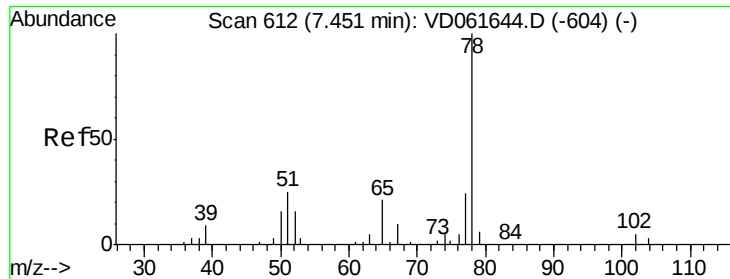
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#35
 Dibromofluoromethane
 Concen: 72.904 ug/l
 RT: 6.95 min Scan# 562
 Delta R.T. 0.03 min
 Lab File: VD061716.D
 Acq: 10 Apr 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	339434		
111	102.4	79.3	118.9	
192	16.9	12.3	18.5	





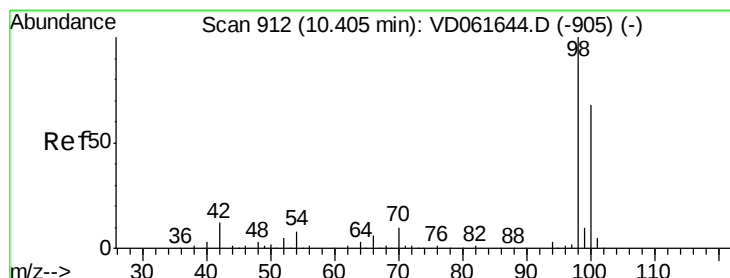
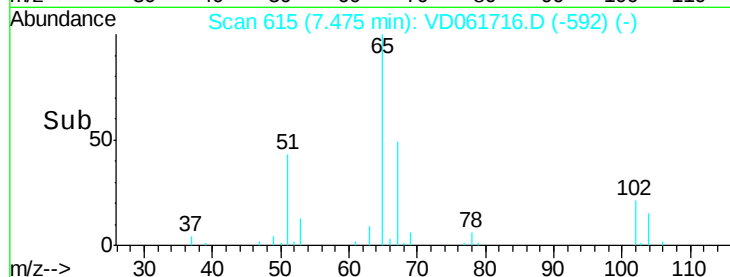
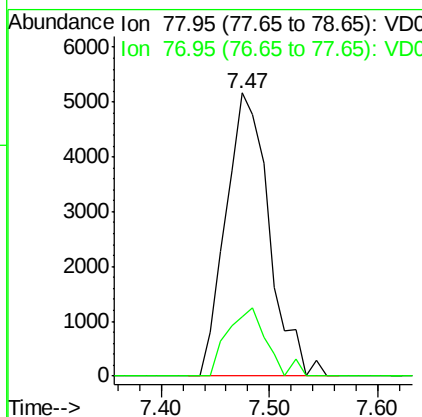
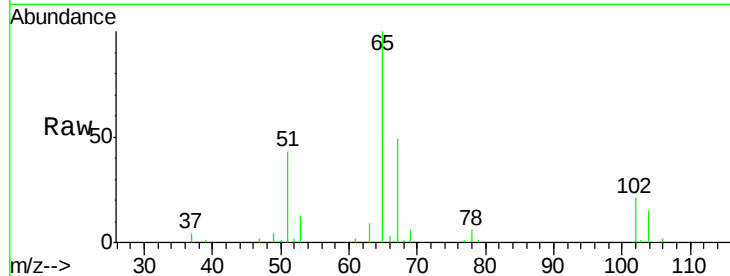
#40
Benzene
Concen: 1.009 ug/l
RT: 7.47 min Scan# 615
Delta R.T. 0.02 min
Lab File: VD061716.D
Acq: 10 Apr 2019 16:41

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4RE

Tgt Ion: 78 Resp: 14311
Ion Ratio Lower Upper
78 100
77 20.8 19.5 29.3

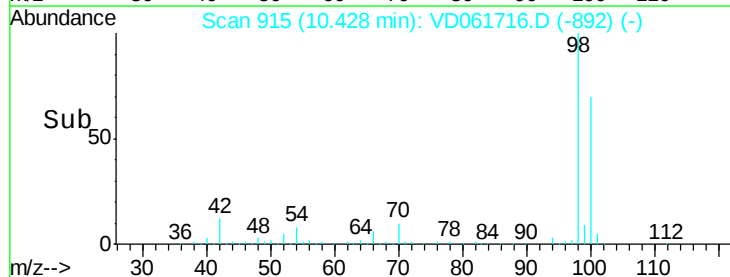
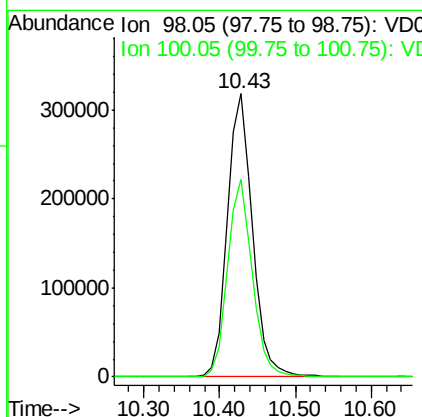
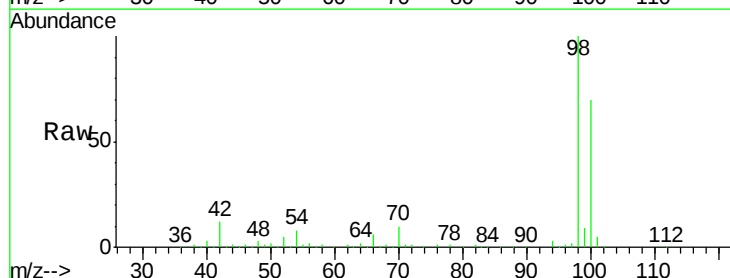
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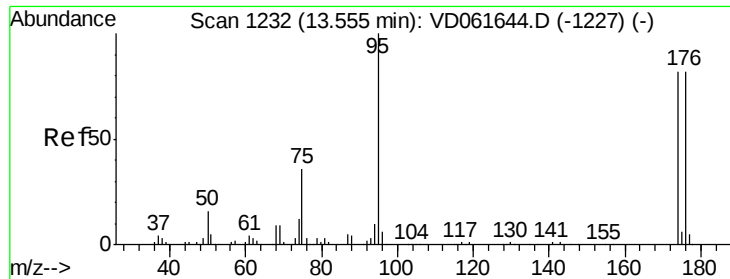
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#50
Toluene-d8
Concen: 62.040 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD061716.D
Acq: 10 Apr 2019 16:41

Tgt Ion: 98 Resp: 725723
Ion Ratio Lower Upper
98 100
100 70.0 55.4 83.0





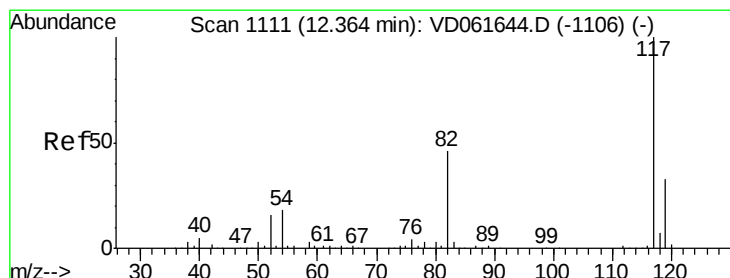
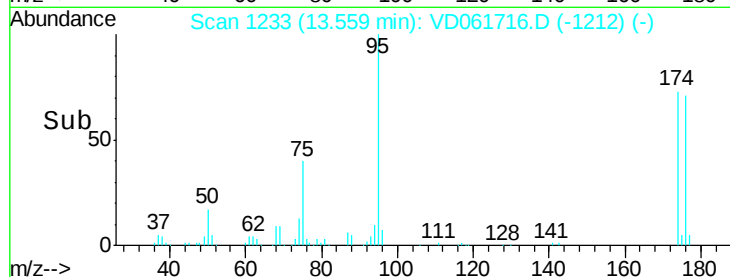
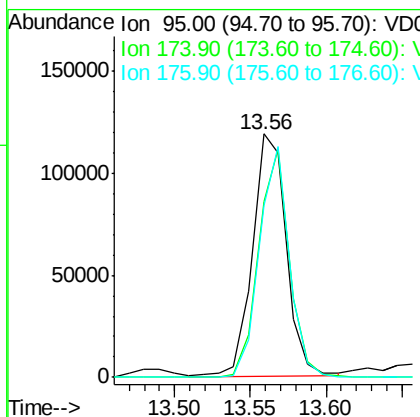
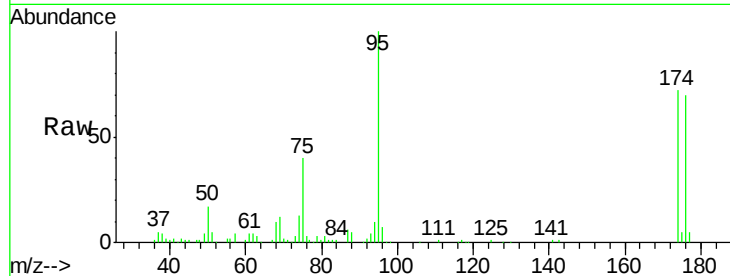
#62
4-Bromofluorobenzene
Concen: 43.773 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD061716.D
Acq: 10 Apr 2019 16:41

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4RE

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	184755		
174	72.1	0.0	164.6	
176	70.4	0.0	165.0	

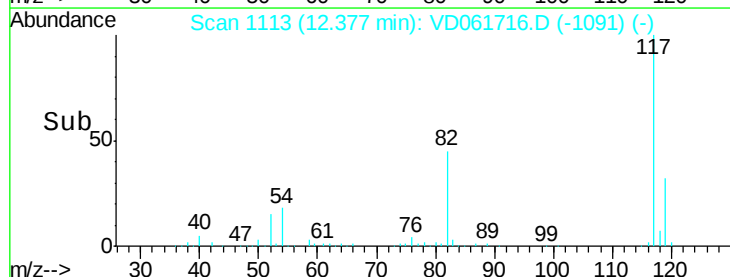
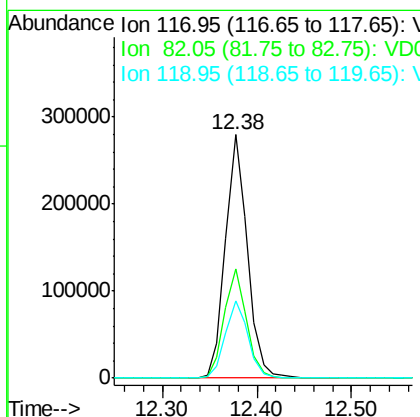
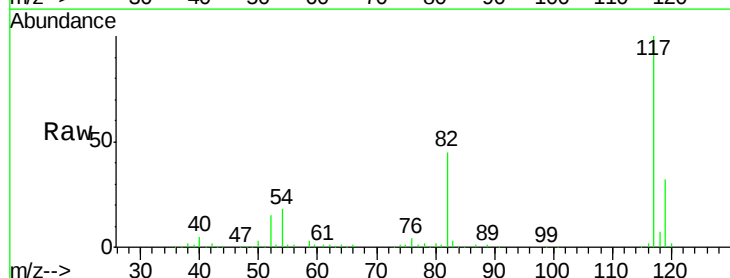
Manual Integrations
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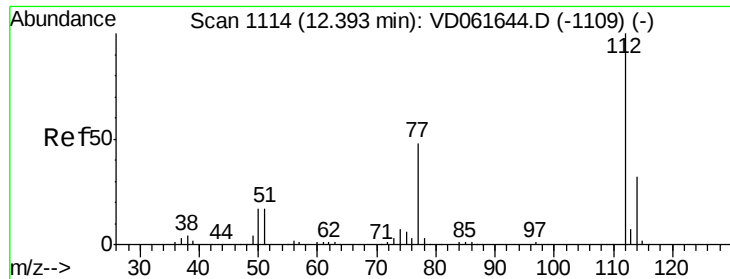
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061716.D
Acq: 10 Apr 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	449448		
82	45.0	36.8	55.2	
119	31.6	26.1	39.1	





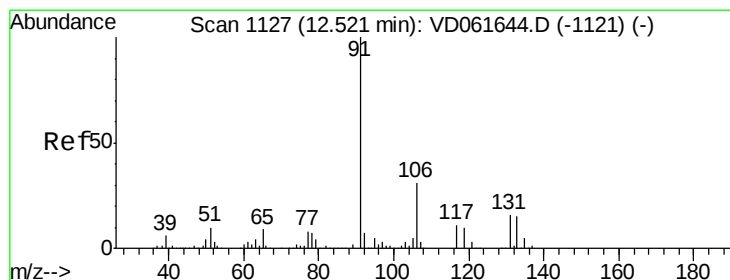
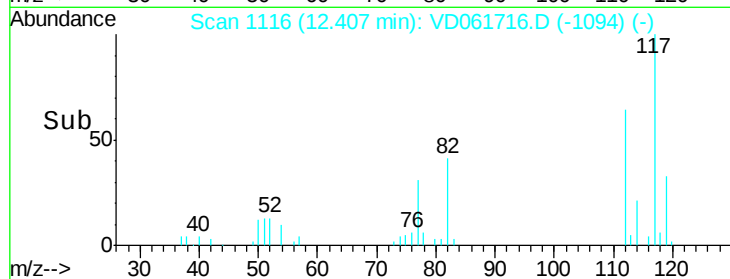
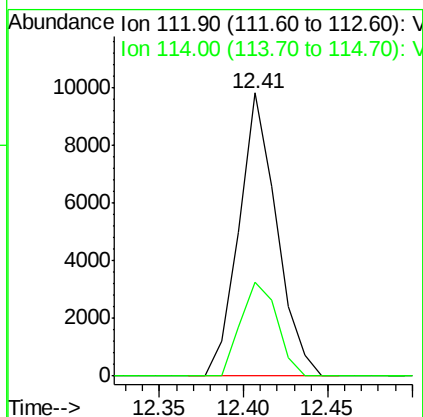
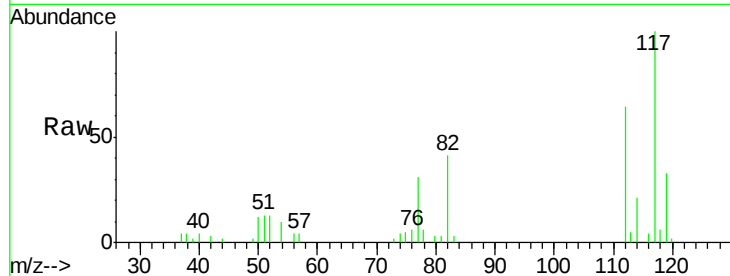
#65
Chlorobenzene
Concen: 1.710 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061716.D
Acq: 10 Apr 2019 16:41

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4RE

Tgt Ion: 112 Resp: 15245
Ion Ratio Lower Upper
112 100
114 33.1 25.6 38.4

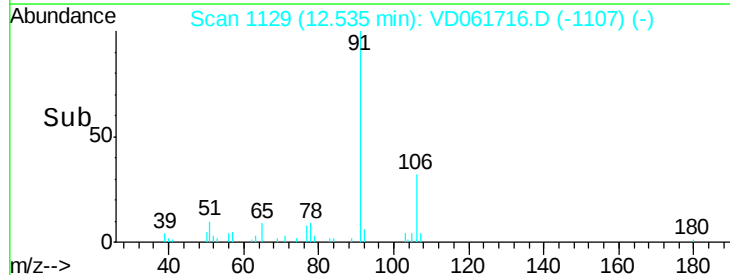
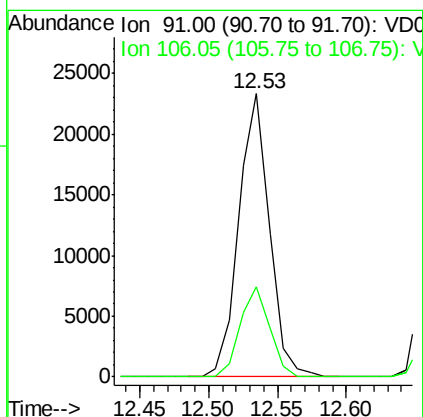
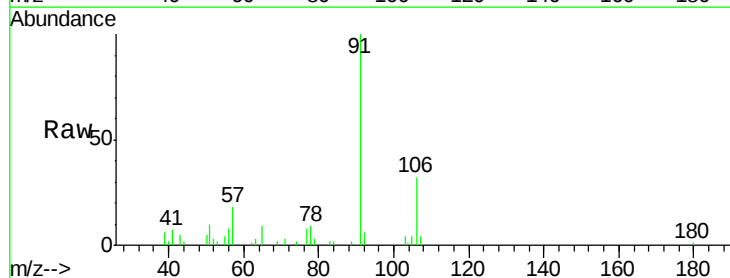
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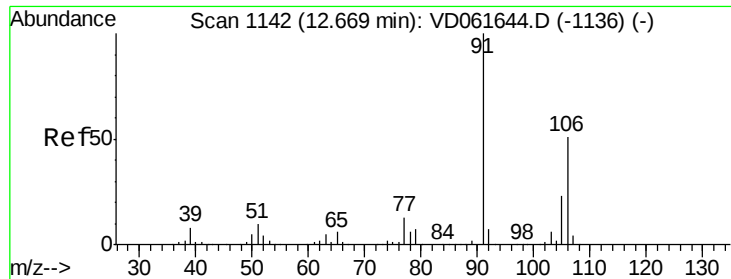
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#67
Ethyl Benzene
Concen: 2.659 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061716.D
Acq: 10 Apr 2019 16:41

Tgt Ion: 91 Resp: 36089
Ion Ratio Lower Upper
91 100
106 31.9 24.6 37.0





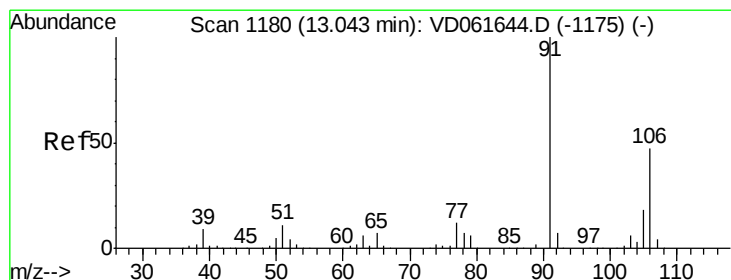
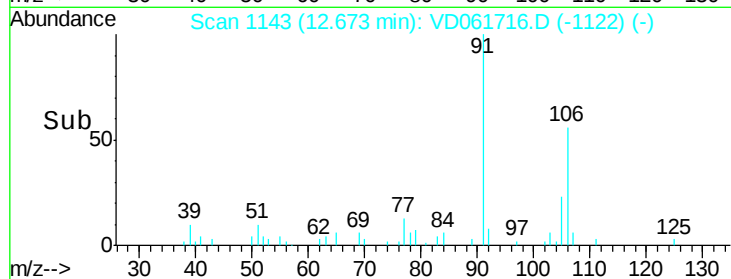
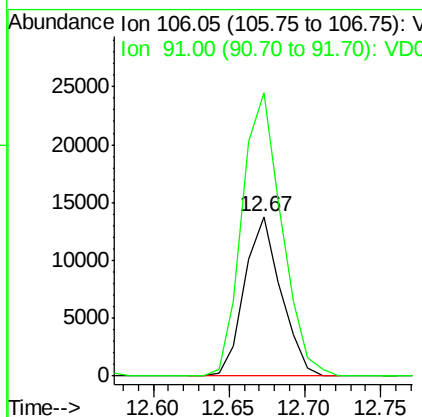
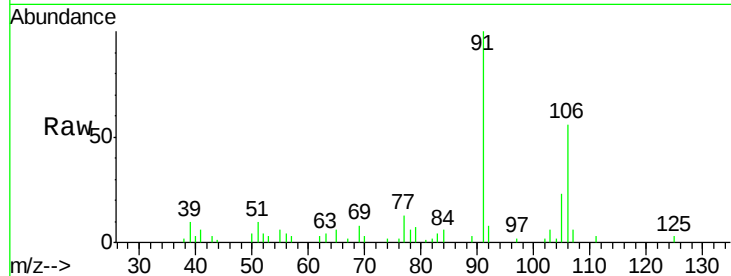
#68
m/p-Xylenes
Concen: 4.428 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD061716.D
Acq: 10 Apr 2019 16:41

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4RE

Tgt Ion:106 Resp: 23168
Ion Ratio Lower Upper
106 100
91 177.6 156.7 235.1

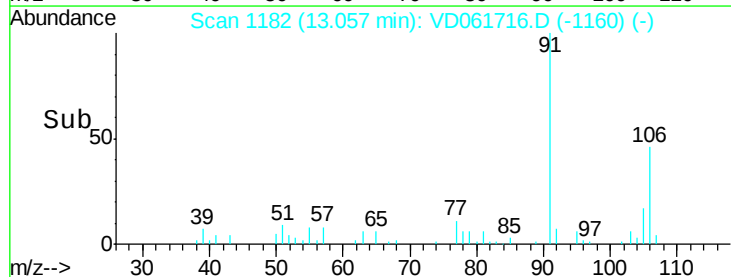
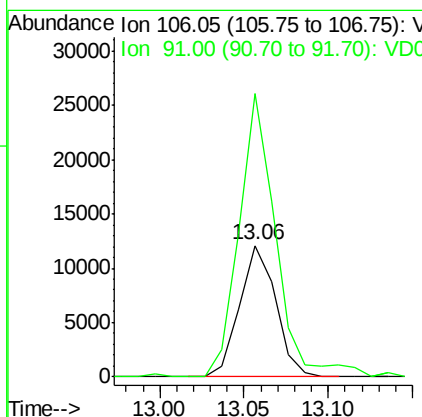
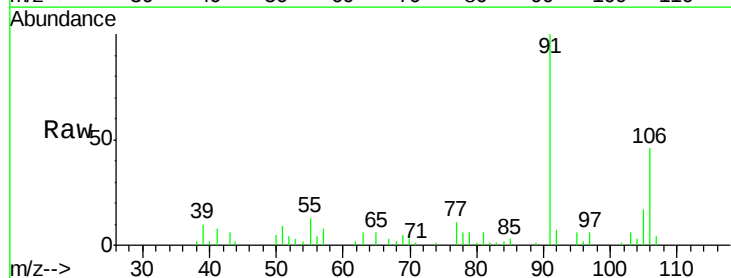
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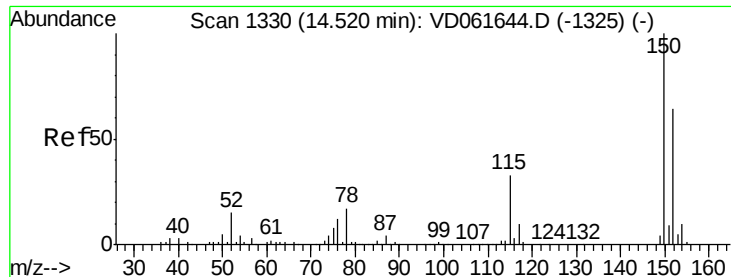
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#69
o-Xylene
Concen: 3.541 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061716.D
Acq: 10 Apr 2019 16:41

Tgt Ion:106 Resp: 17885
Ion Ratio Lower Upper
106 100
91 215.7 107.3 321.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061716.D

Acq: 10 Apr 2019 16:41

Instrument :

MSVOA_D

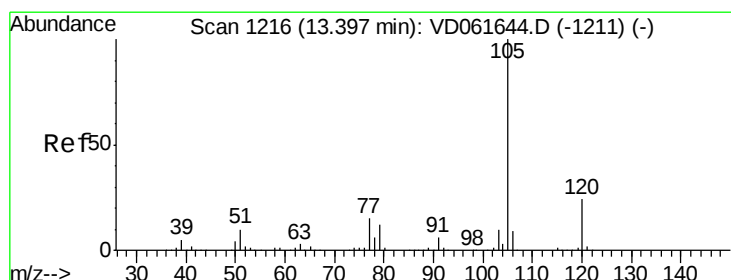
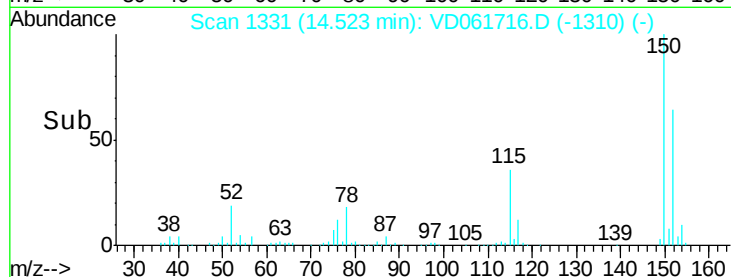
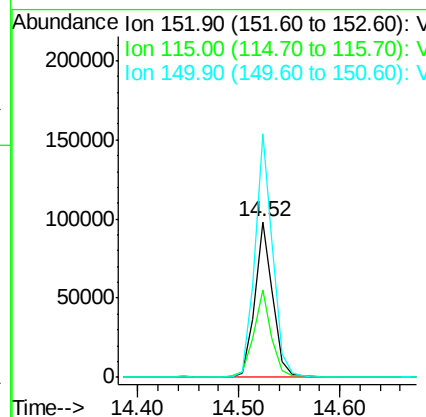
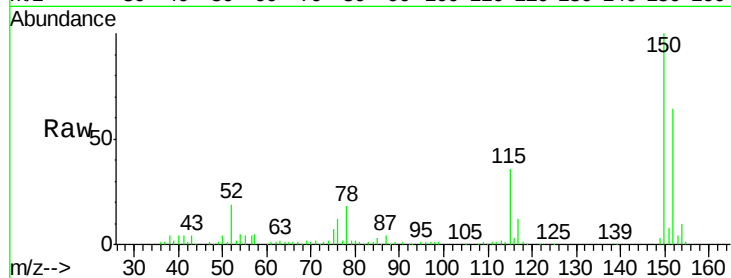
ClientSampleId :

20190172-COMP-CS-4RE

Tgt Ion:	152	Resp:	122475
Ion Ratio	Lower	Upper	
152	100		
115	55.8	26.4	79.2
150	156.2	0.0	320.6

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#73

Isopropylbenzene

Concen: 20.487 ug/l

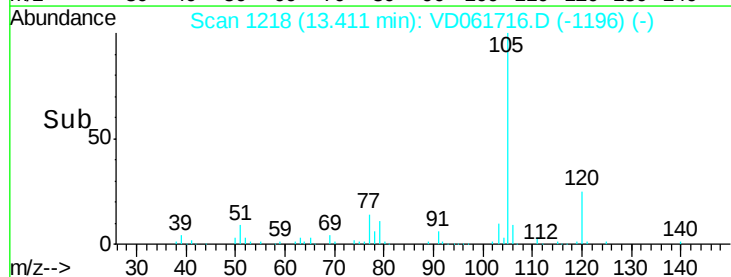
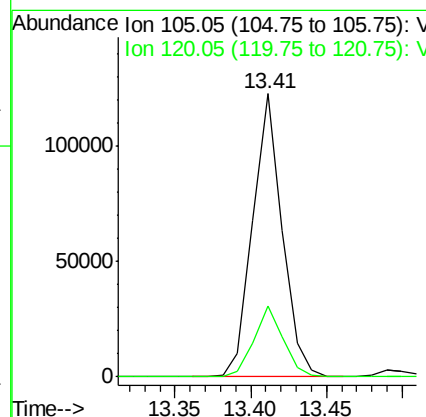
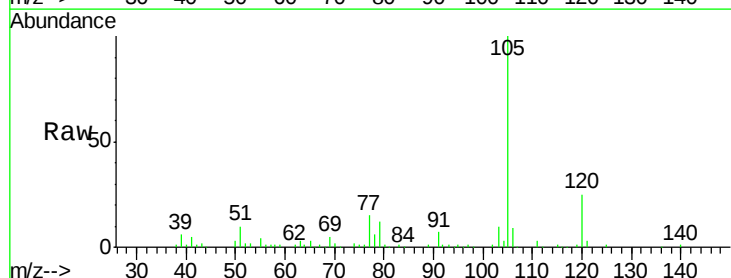
RT: 13.41 min Scan# 1218

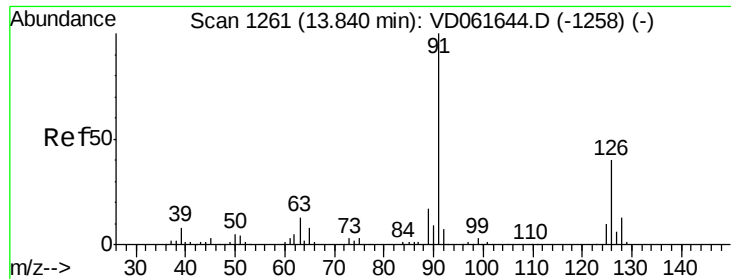
Delta R.T. 0.01 min

Lab File: VD061716.D

Acq: 10 Apr 2019 16:41

Tgt Ion:	105	Resp:	167185
Ion Ratio	Lower	Upper	
105	100		
120	24.9	12.2	36.4





#79

2-Chlorotoluene

Concen: 38.250 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD061716.D

Acq: 10 Apr 2019 16:41

Instrument :

MSVOA_D

ClientSampleId :

20190172-COMP-CS-4RE

Tgt Ion: 91 Resp: 213526

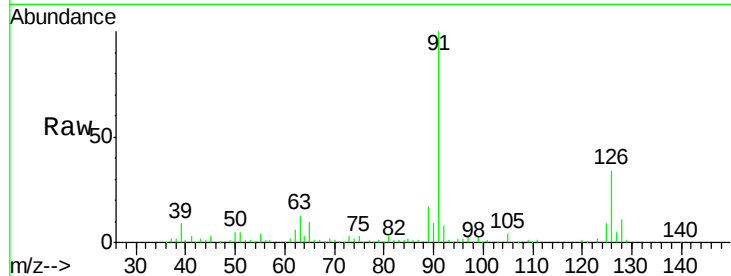
Ion Ratio Lower Upper

91 100

126 34.1 20.0 59.9

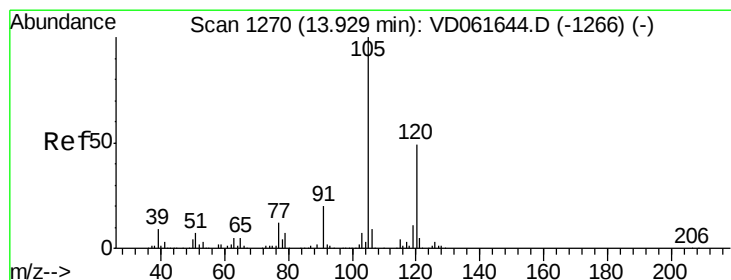
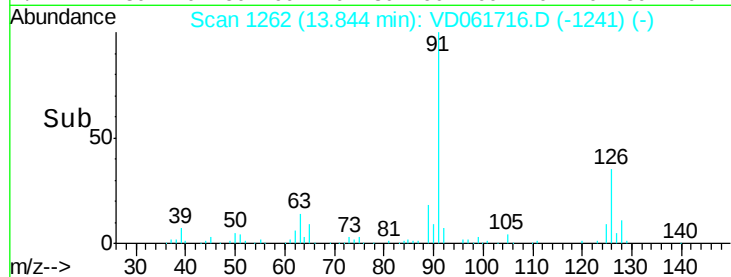
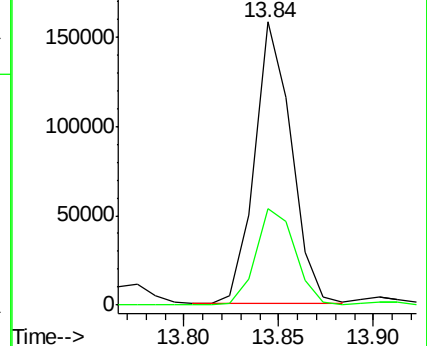
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 4.330 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061716.D

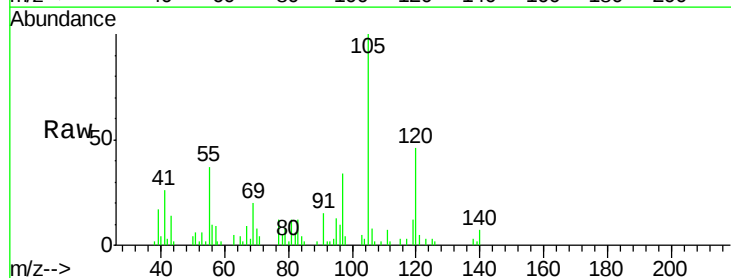
Acq: 10 Apr 2019 16:41

Tgt Ion: 105 Resp: 28043

Ion Ratio Lower Upper

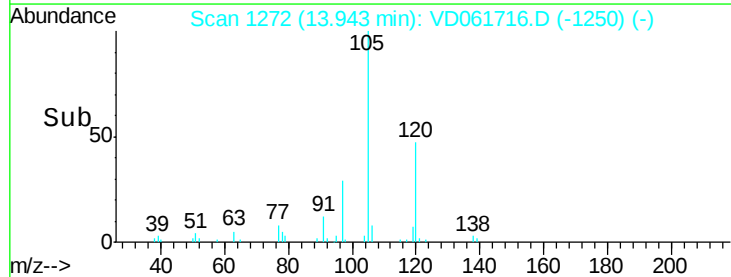
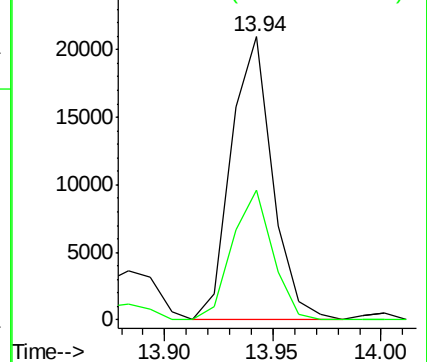
105 100

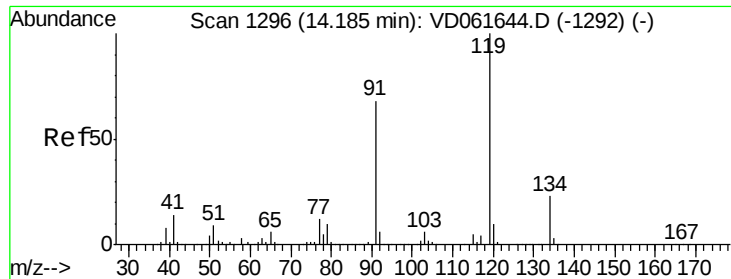
120 46.0 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





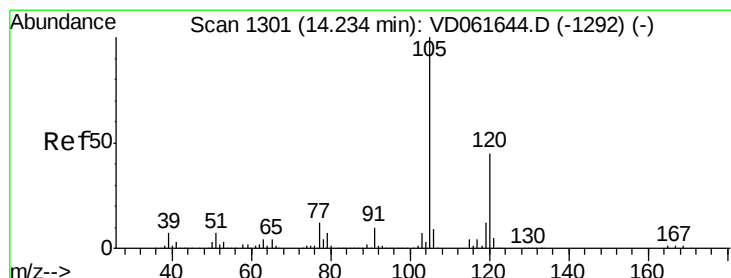
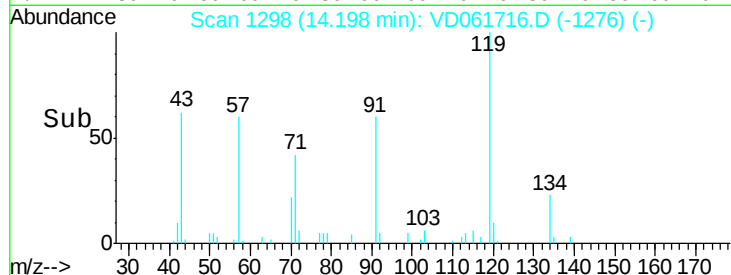
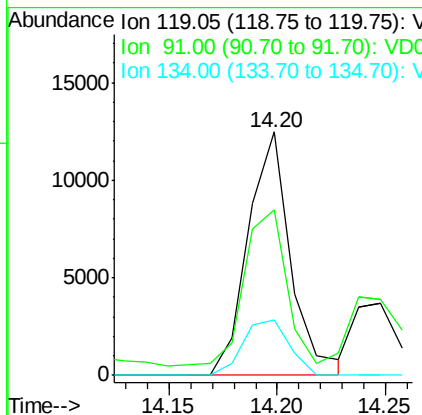
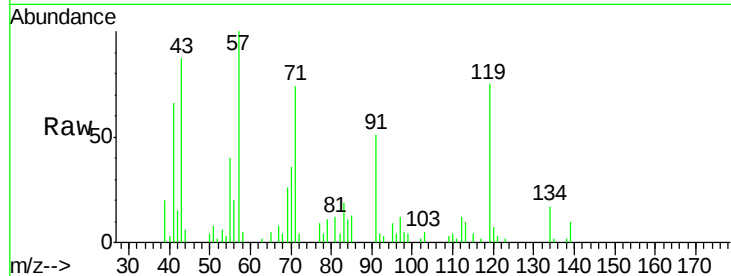
#83
 tert-Butylbenzene
 Concen: 2.211 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD061716.D
 Acq: 10 Apr 2019 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 20190172-COMP-CS-4RE

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	17265		
91	68.0	33.9	101.6	
134	22.6	11.6	34.8	

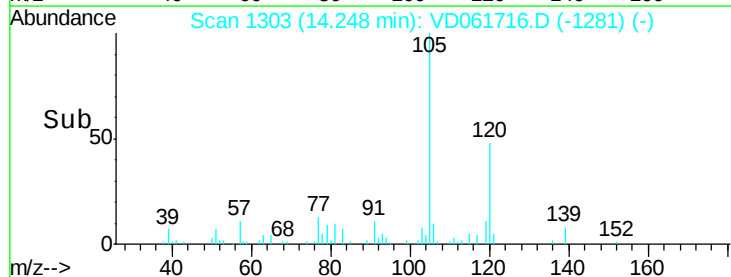
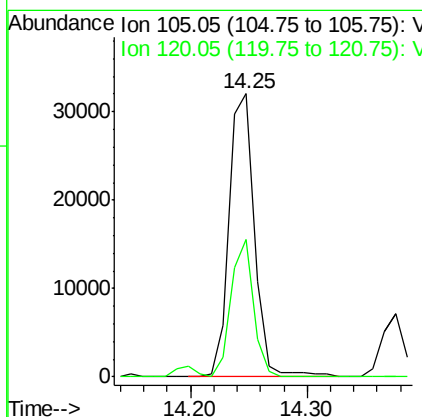
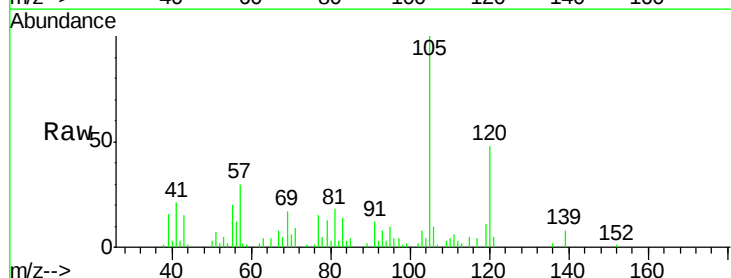
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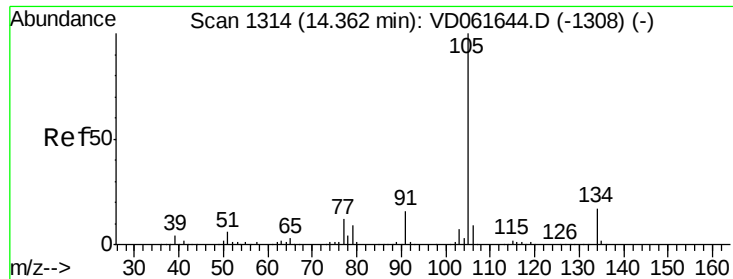
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#84
 1,2,4-Trimethylbenzene
 Concen: 7.415 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD061716.D
 Acq: 10 Apr 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	48474		
120	48.4	22.6	67.8	





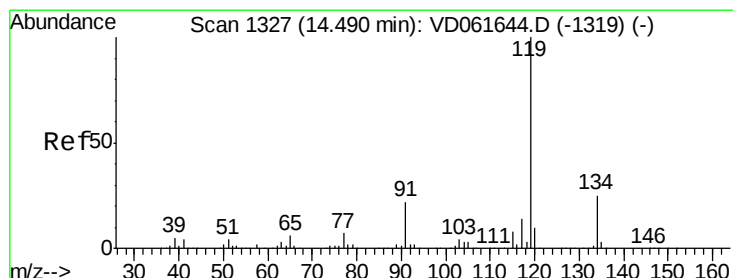
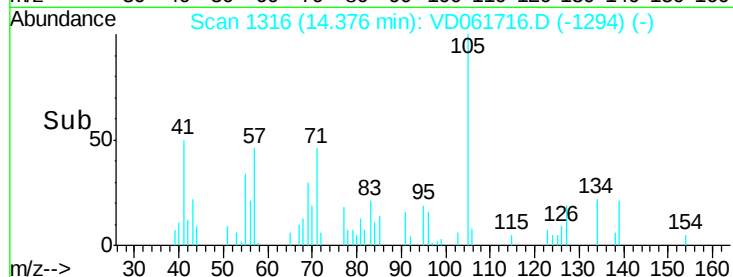
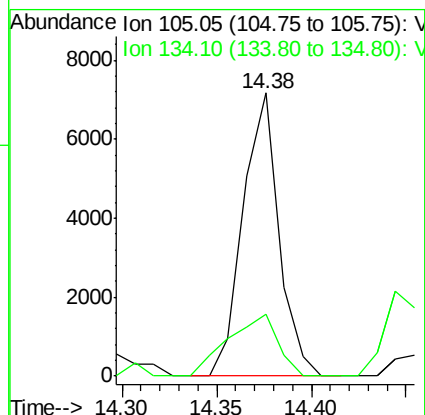
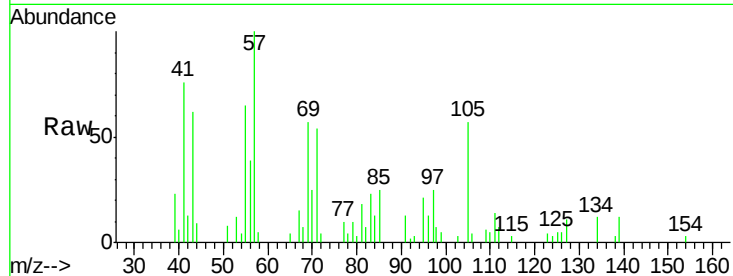
#85
 sec-Butylbenzene
 Concen: 1.115 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061716.D
 Acq: 10 Apr 2019 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 20190172-COMP-CS-4RE

Tgt Ion:105 Resp: 9408
 Ion Ratio Lower Upper
 105 100
 134 21.8 8.6 25.7

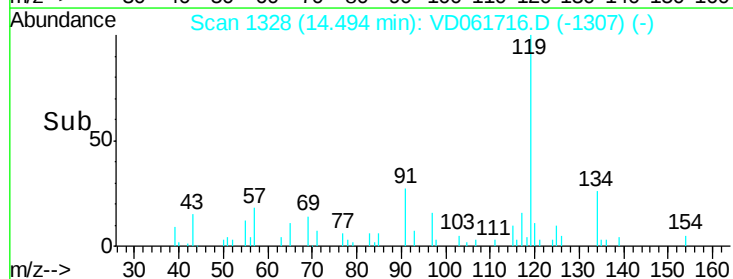
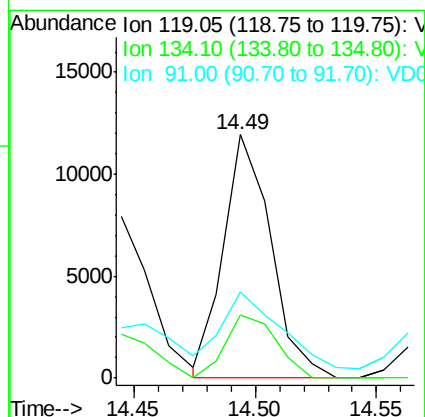
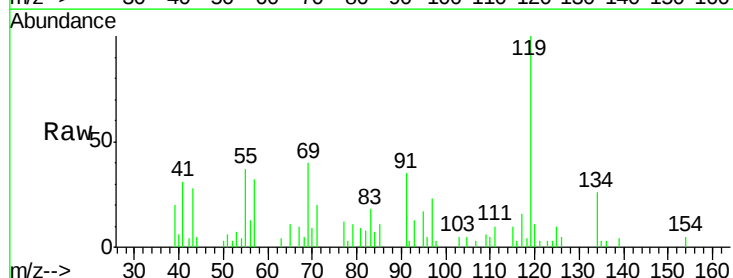
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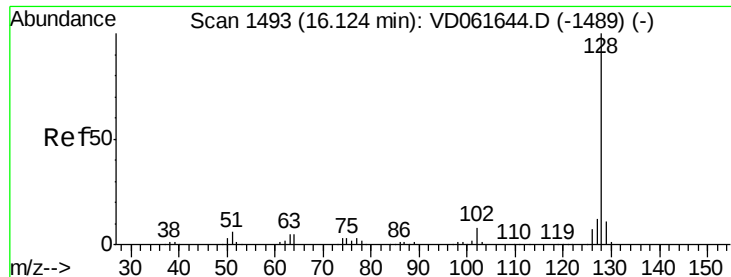
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#86
 p-Isopropyltoluene
 Concen: 2.210 ug/l m
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061716.D
 Acq: 10 Apr 2019 16:41

Tgt Ion:119 Resp: 16173
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.5 37.5
 91 35.5 11.0 33.0#





#95
Naphthalene
Concen: 15.957 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061716.D
Acq: 10 Apr 2019 16:41

Instrument :
MSVOA_D
ClientSampleId :
20190172-COMP-CS-4RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.4	9.4	14.2
129	11.4	8.8	13.2

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