

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\
 Data File : VD062172.D
 Acq On : 8 May 2019 14:21
 Operator : FY/SY
 Sample : K2658-20
 Misc : 6.03g/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SB-W5-6(17-20)

Quant Time: May 09 01:24:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	735726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	943600	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	842194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	430686	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	344418	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
35) Dibromofluoromethane	6.90	113	446886	57.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.16%	
50) Toluene-d8	10.39	98	1029949	54.56	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.12%	
62) 4-Bromofluorobenzene	13.54	95	427395	56.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.76%	

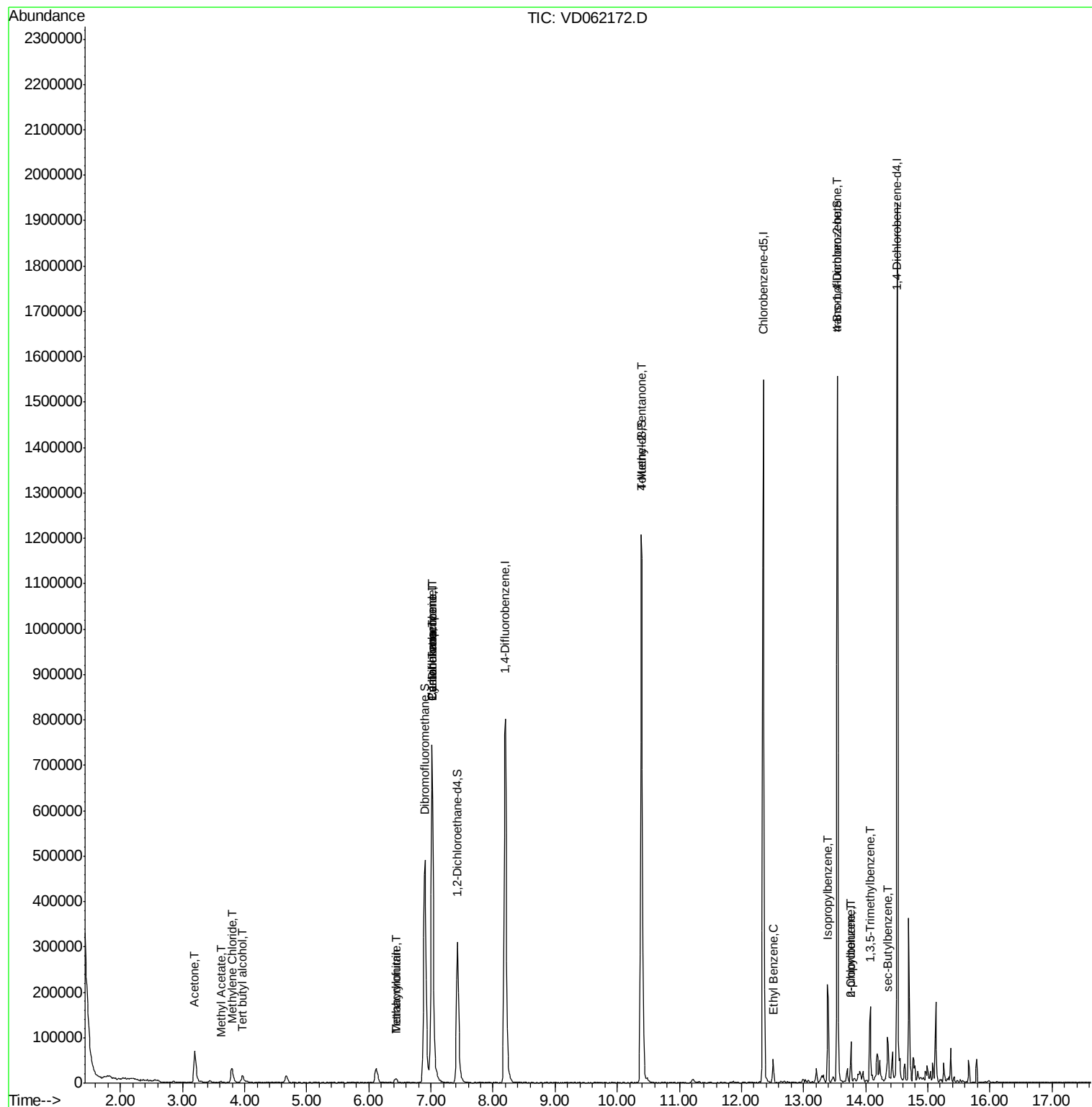
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.96	59	14410	41.289	ug/l #	76
16) Acetone	3.19	43	135455	94.471	ug/l #	88
18) Methyl Acetate	3.63	43	4802	1.579	ug/l #	82
20) Methylene Chloride	3.79	84	22845	3.816	ug/l #	79
29) Tetrahydrofuran	6.44	42	7823	10.856	ug/l	93
31) Cyclohexane	7.01	56	13009	1.813	ug/l #	9
36) 1,1-Dichloropropene	7.02	75	55722	7.202	ug/l #	47
38) Carbon Tetrachloride	7.02	117	73394	6.854	ug/l #	16
41) Methacrylonitrile	6.44	41	5756	1.436	ug/l #	59
51) 4-Methyl-2-Pentanone	10.39	43	5054	1.690	ug/l #	1
67) Ethyl Benzene	12.51	91	35199	1.340	ug/l	96
73) Isopropylbenzene	13.39	105	135174	5.236	ug/l	96
78) n-propylbenzene	13.76	91	56051	1.820	ug/l	97
79) 2-Chlorotoluene	13.76	91	56051	3.178	ug/l #	38
80) 1,3,5-Trimethylbenzene	14.08	105	88386	4.066	ug/l	69
81) trans-1,4-Dichloro-2-buten	13.54	75	176762	122.332	ug/l #	16
85) sec-Butylbenzene	14.35	105	47835	1.785	ug/l	96

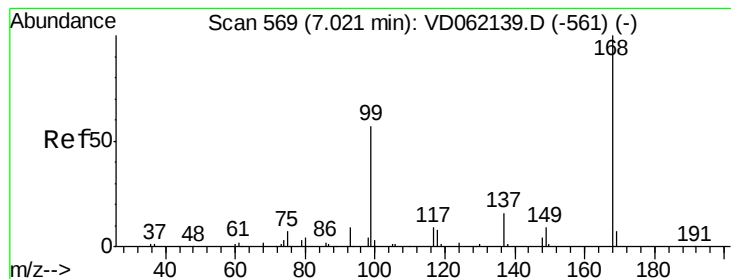
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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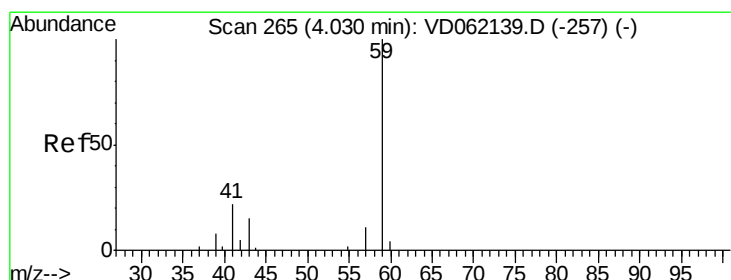
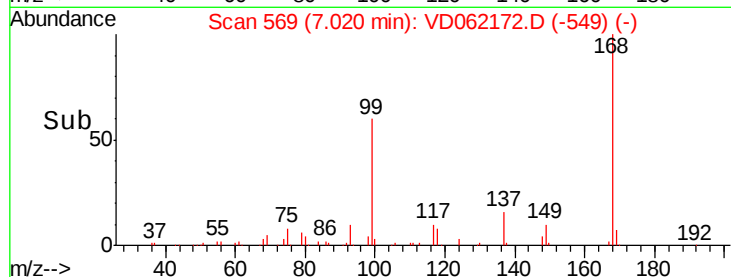
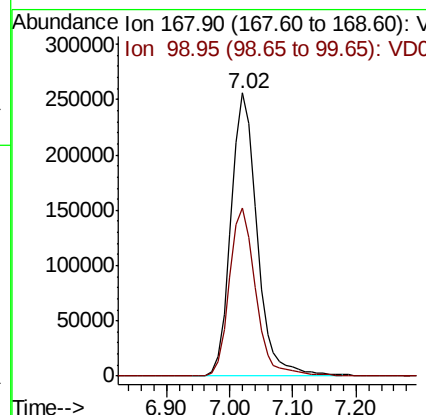
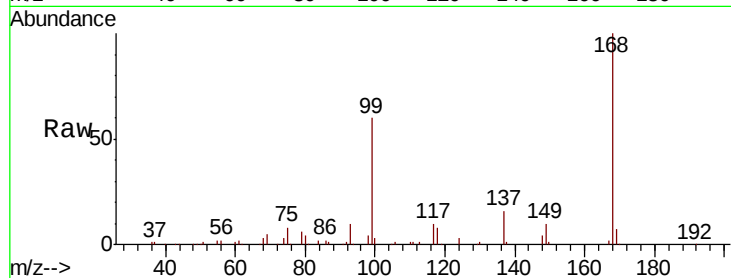




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.02 min Scan# 569
Delta R.T. -0.00 min
Lab File: VD062172.D
Acq: 8 May 2019 14:21

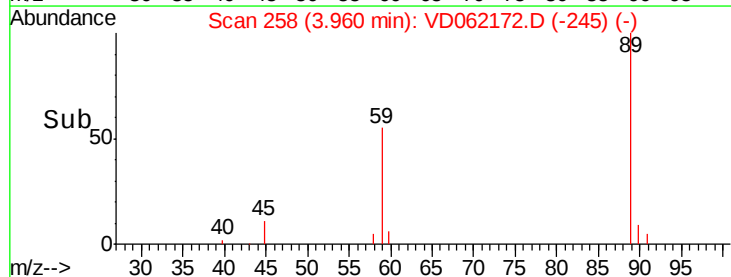
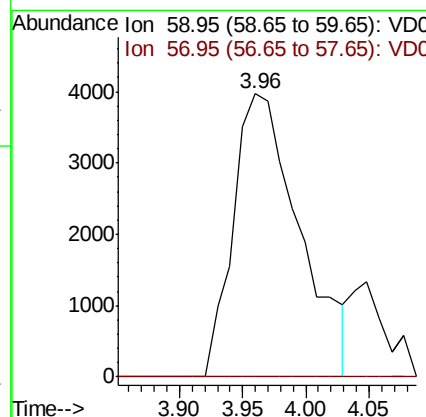
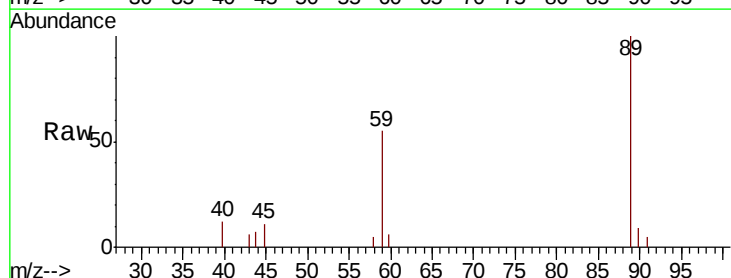
Instrument :
MSVOA_D
ClientSampleId :
EP1-SB-W5-6(17-20)

Tot Ion:168 Resp: 735726
Ion Ratio Lower Upper
168 100
99 59.6 46.5 69.7



#11
Tert butyl alcohol
Concen: 41.289 ug/l
RT: 3.96 min Scan# 258
Delta R.T. -0.07 min
Lab File: VD062172.D
Acq: 8 May 2019 14:21

Tgt Ion: 59 Resp: 14410
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#





#16

Acetone

Concen: 94.471 ug/l

RT: 3.19 min Scan# 180

Delta R.T. -0.00 min

Lab File: VD062172.D

Acq: 8 May 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

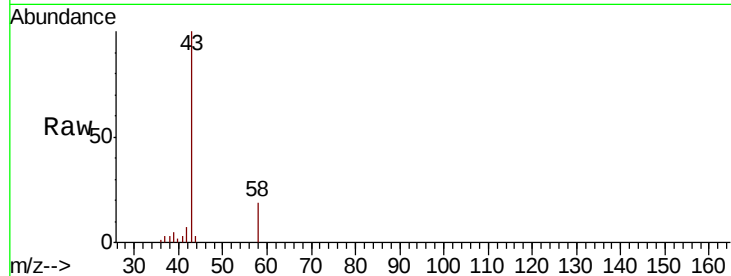
EP1-SB-W5-6(17-20)

Tot Ion: 43 Resp: 135455

Ion Ratio Lower Upper

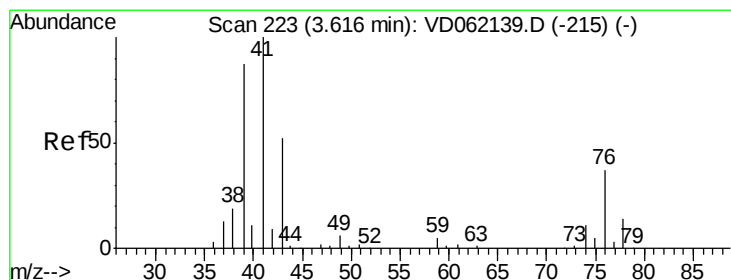
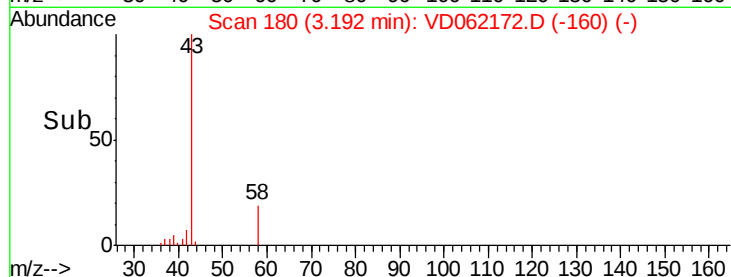
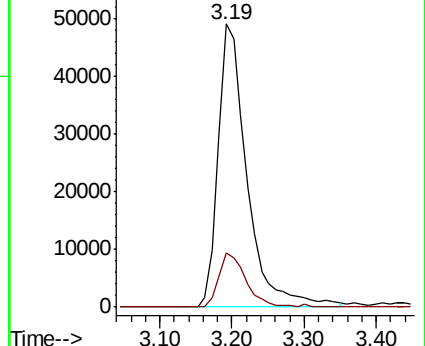
43 100

58 19.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.579 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062172.D

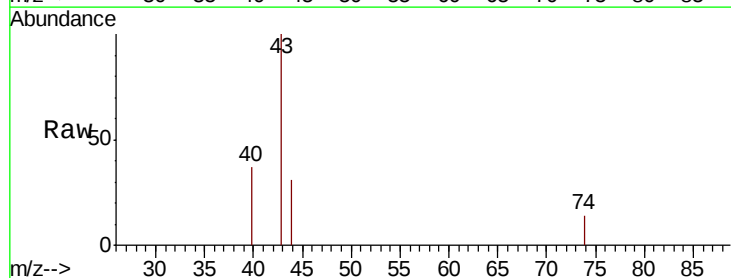
Acq: 8 May 2019 14:21

Tgt Ion: 43 Resp: 4802

Ion Ratio Lower Upper

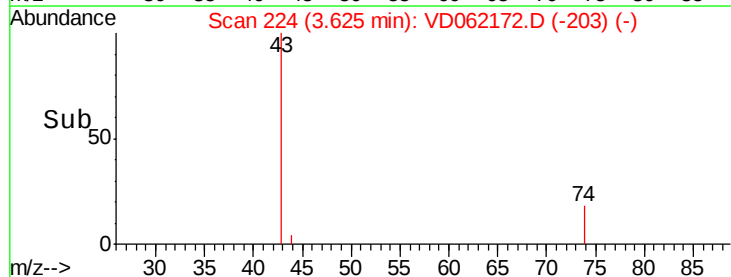
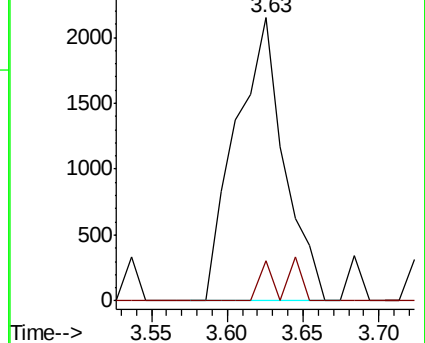
43 100

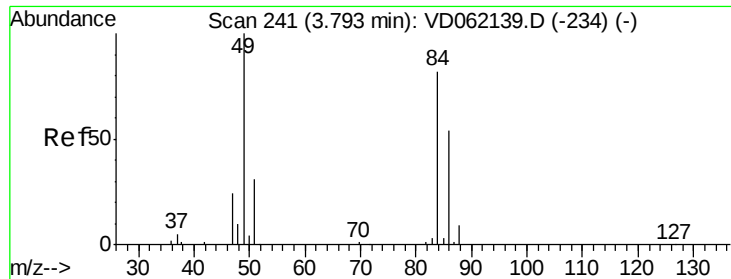
74 14.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

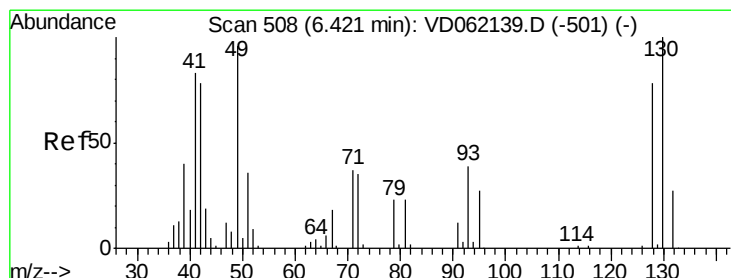
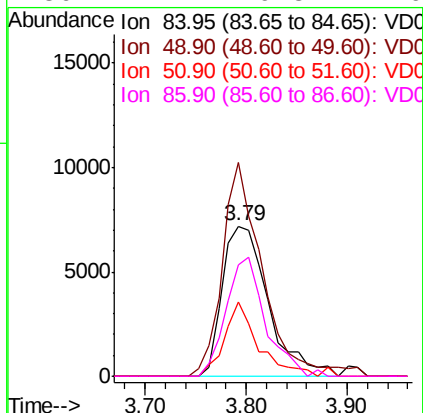
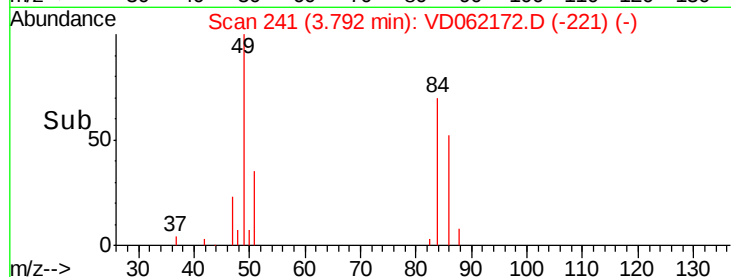
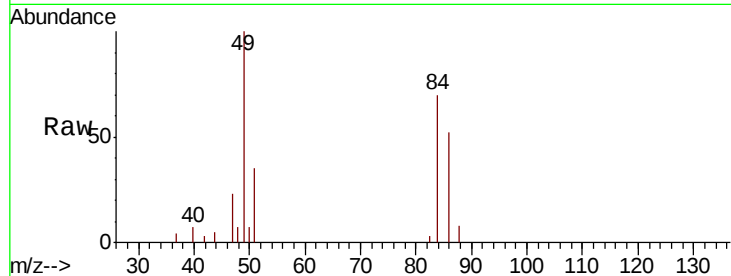




#20
Methylene Chloride
Concen: 3.816 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD062172.D
Acq: 8 May 2019 14:21

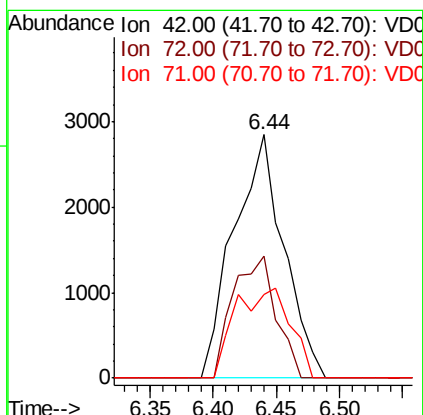
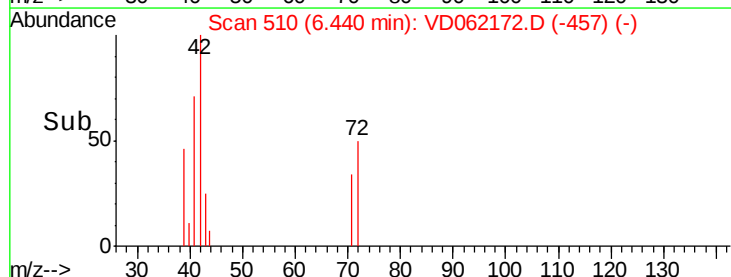
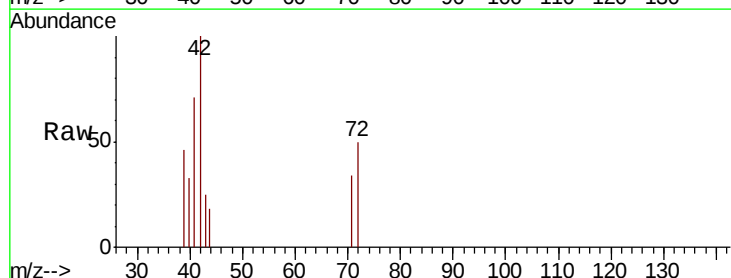
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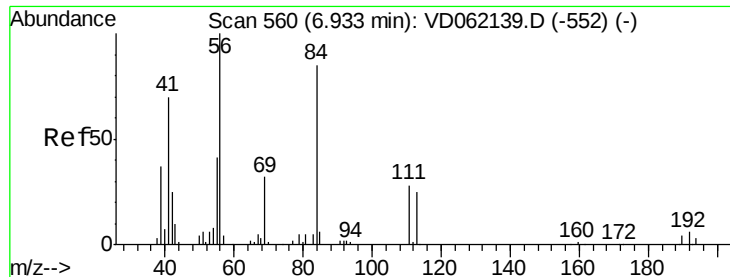
Tot Ion:	84	Resp:	22845
Ion	Ratio	Lower	Upper
84	100		
49	142.6	94.0	141.0#
51	49.4	29.0	43.4#
86	74.4	49.8	74.6



#29
Tetrahydrofuran
Concen: 10.856 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD062172.D
Acq: 8 May 2019 14:21

Tgt Ion:	42	Resp:	7823
Ion	Ratio	Lower	Upper
42	100		
72	43.0	37.8	56.6
71	40.7	36.7	55.1

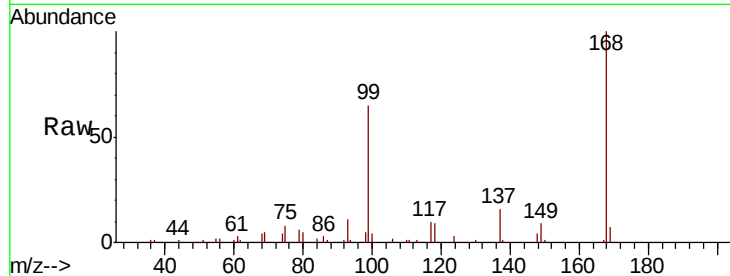




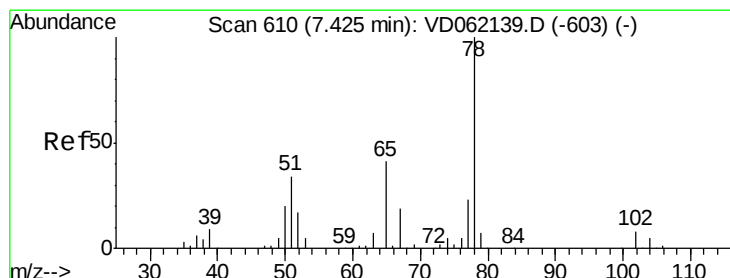
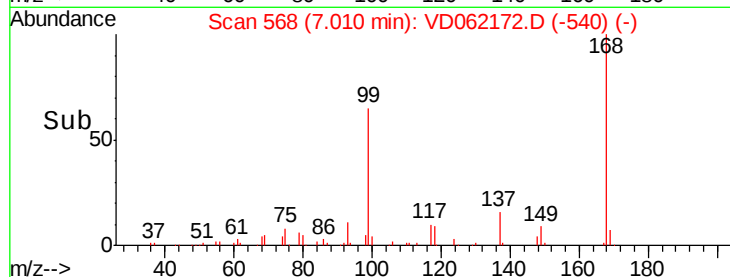
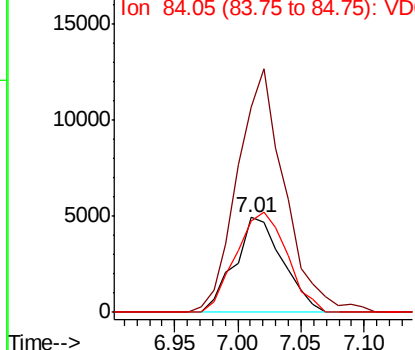
#31
Cyclohexane
Concen: 1.813 ug/l
RT: 7.01 min Scan# 568
Delta R.T. 0.08 min
Lab File: VD062172.D
Acq: 8 May 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
EP1-SB-W5-6(17-20)

Tot Ion: 56 Resp: 13009
Ion Ratio Lower Upper
56 100
69 216.0 25.8 38.6#
84 96.4 72.2 108.4

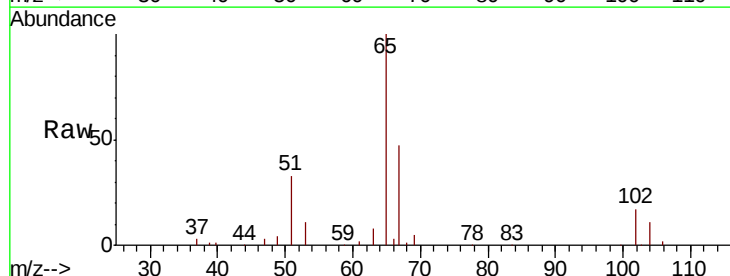


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

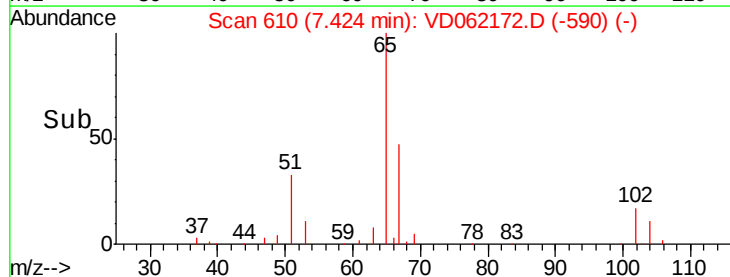
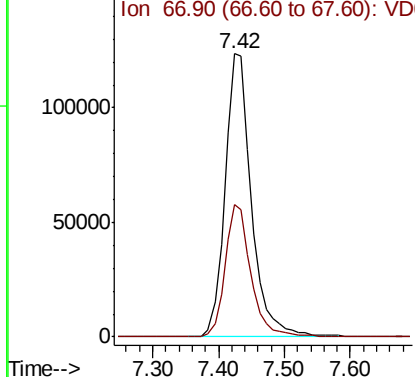


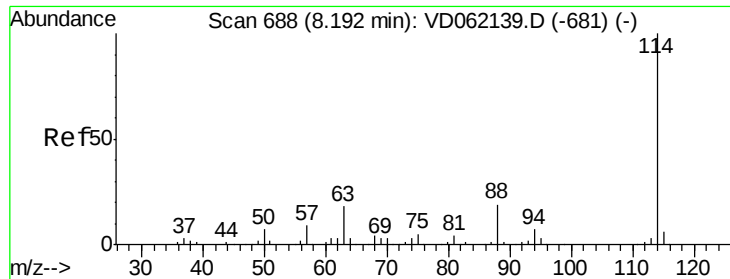
#33
1,2-Dichloroethane-d4
Concen: 50.374 ug/l
RT: 7.42 min Scan# 610
Delta R.T. -0.00 min
Lab File: VD062172.D
Acq: 8 May 2019 14:21

Tgt Ion: 65 Resp: 344418
Ion Ratio Lower Upper
65 100
67 46.6 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

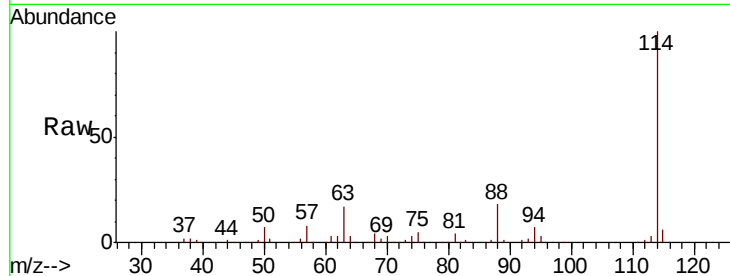




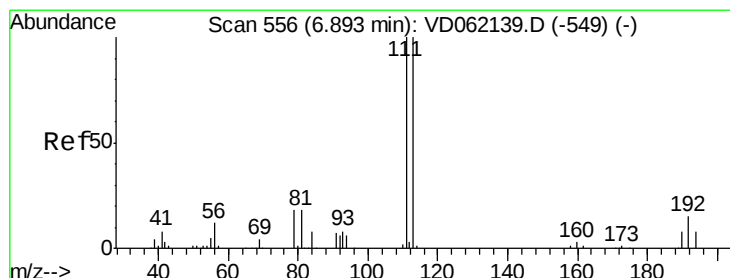
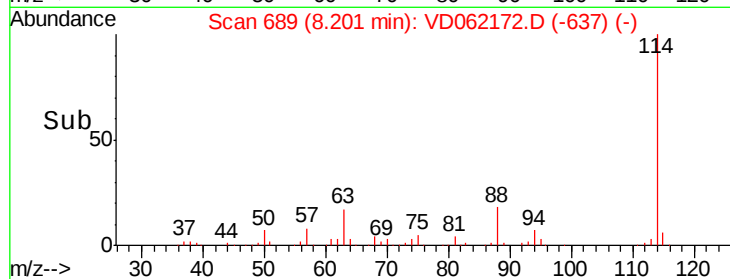
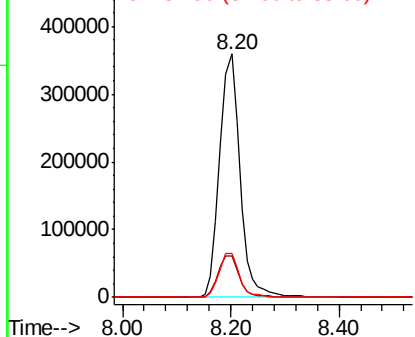
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD062172.D
 Acq: 8 May 2019 14:21

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Tot Ion:114 Resp: 943600
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 32.4
 88 17.9 0.0 33.6

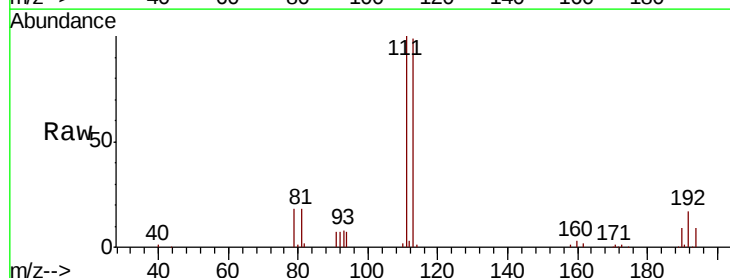


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

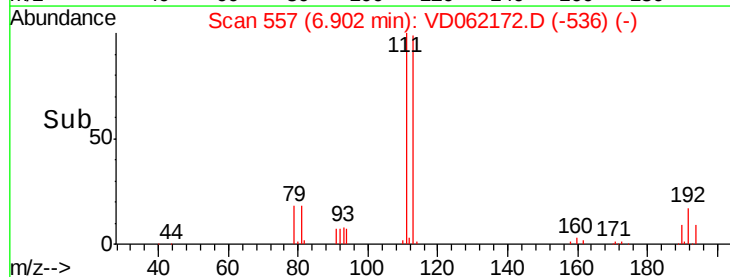
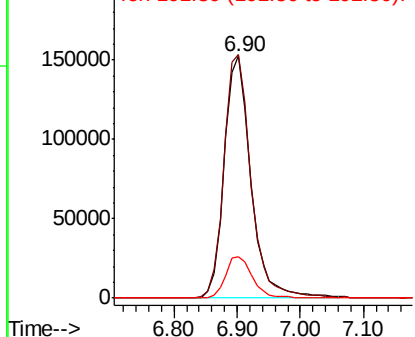


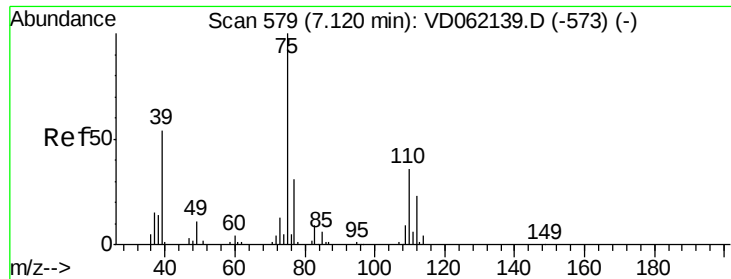
#35
 Dibromofluoromethane
 Concen: 57.080 ug/l
 RT: 6.90 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: VD062172.D
 Acq: 8 May 2019 14:21

Tgt Ion:113 Resp: 446886
 Ion Ratio Lower Upper
 113 100
 111 100.6 78.5 117.7
 192 17.3 13.0 19.4



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

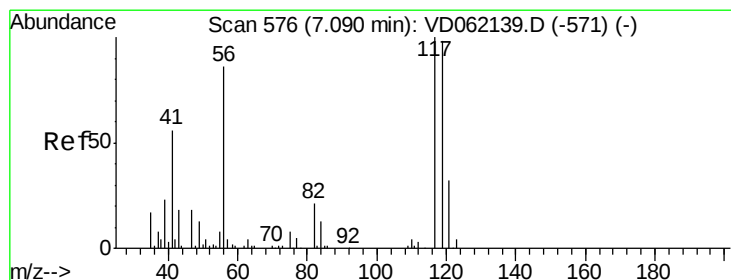
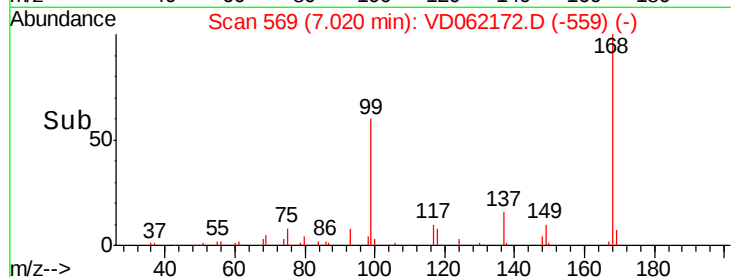
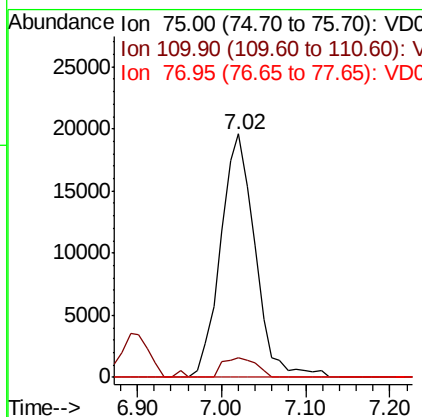
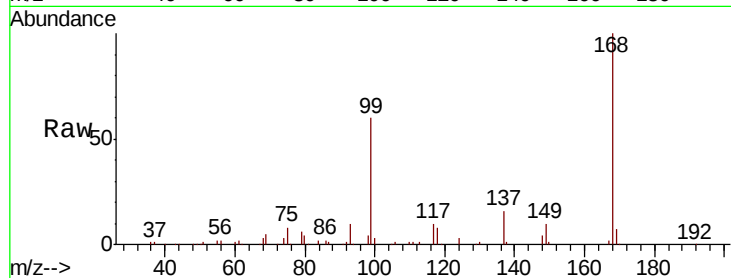




#36
 1,1-Dichloropropene
 Concen: 7.202 ug/l
 RT: 7.02 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD062172.D
 Acq: 8 May 2019 14:21

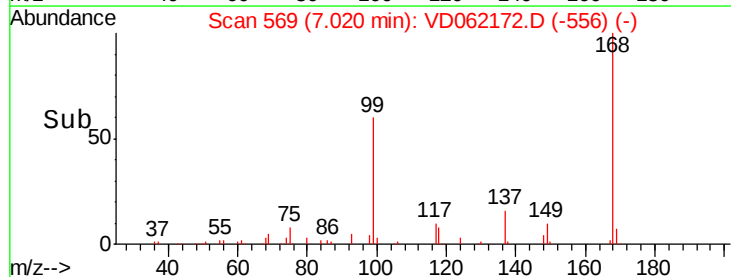
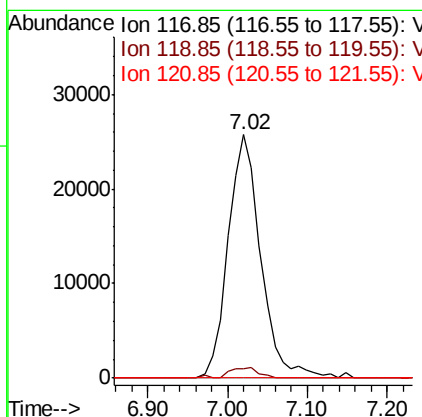
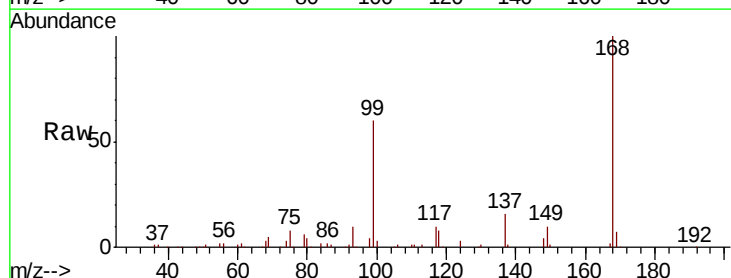
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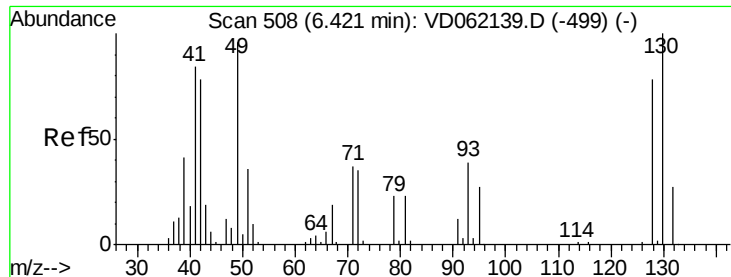
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.854 ug/l
 RT: 7.02 min Scan# 569
 Delta R.T. -0.07 min
 Lab File: VD062172.D
 Acq: 8 May 2019 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	75.8	113.8#
121	0.0	25.9	38.9#

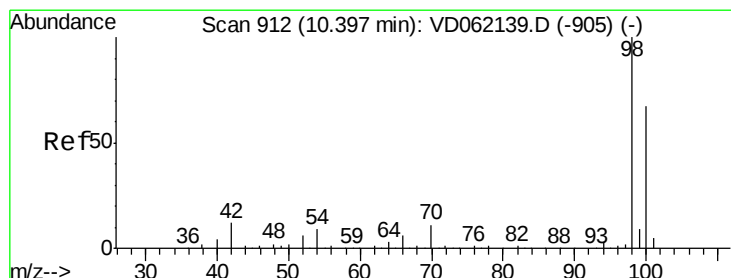
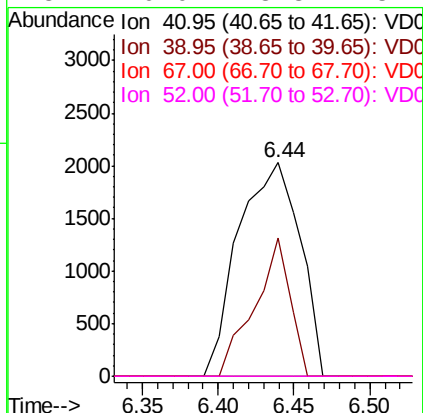
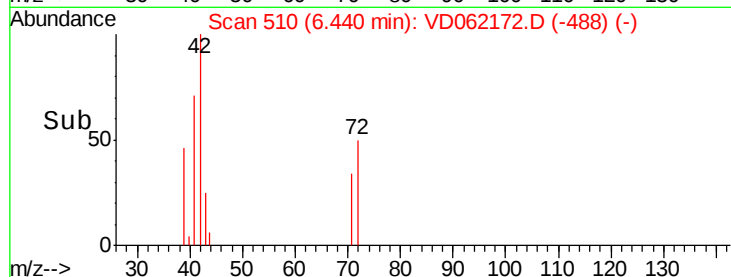
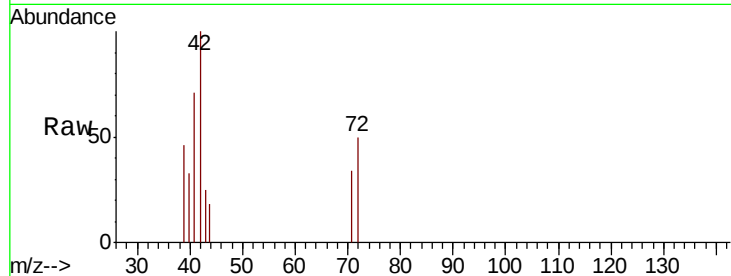




#41
Methacrylonitrile
Concen: 1.436 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD062172.D
Acq: 8 May 2019 14:21

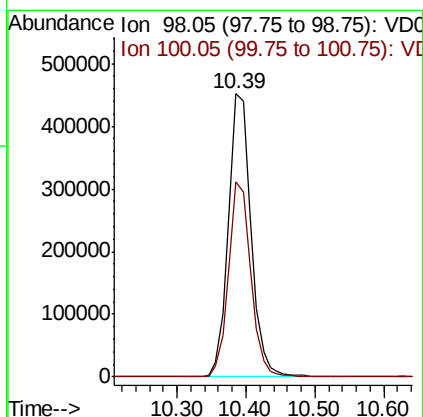
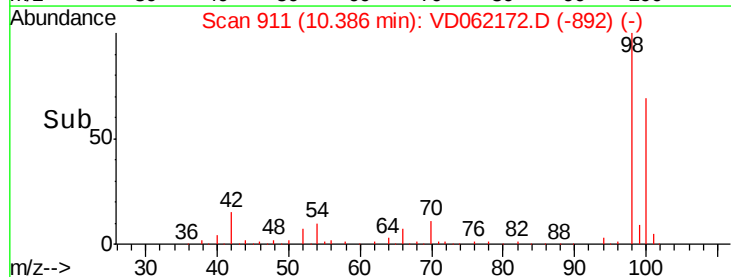
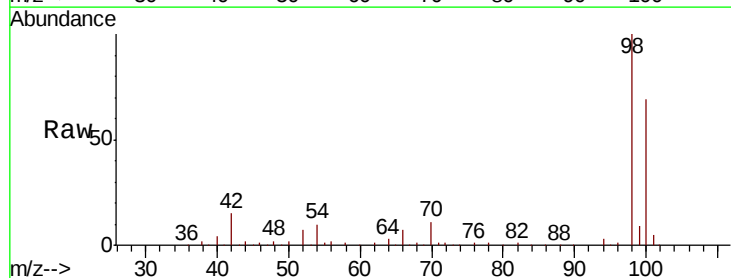
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EP1-SB-W5-6(17-20)

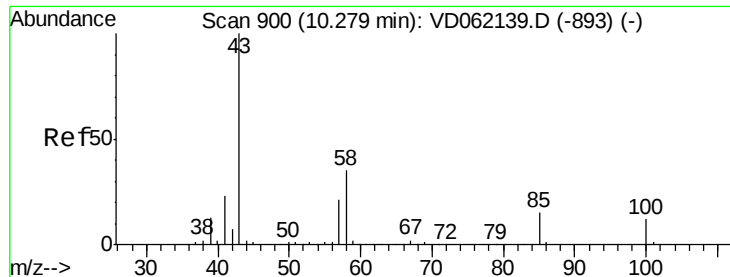
Tot Ion: 41 Resp: 5756
Ion Ratio Lower Upper
41 100
39 64.9 34.1 51.1#
67 0.0 23.8 35.6#
52 0.0 8.8 13.2#



#50
Toluene-d8
Concen: 54.562 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062172.D
Acq: 8 May 2019 14:21

Tgt Ion: 98 Resp: 1029949
Ion Ratio Lower Upper
98 100
100 68.8 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 1.690 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.11 min

Lab File: VD062172.D

Acq: 8 May 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

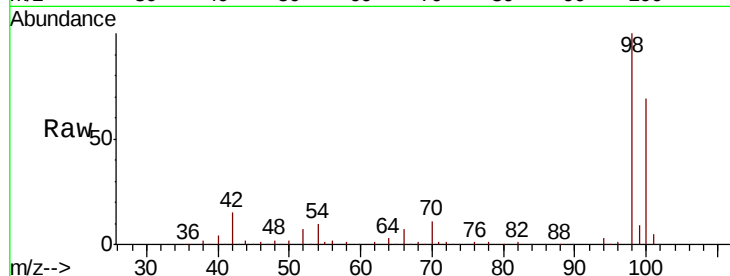
EP1-SB-W5-6(17-20)

Tot Ion: 43 Resp: 5054

Ion Ratio Lower Upper

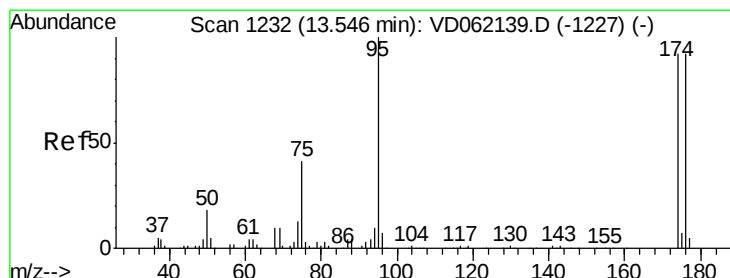
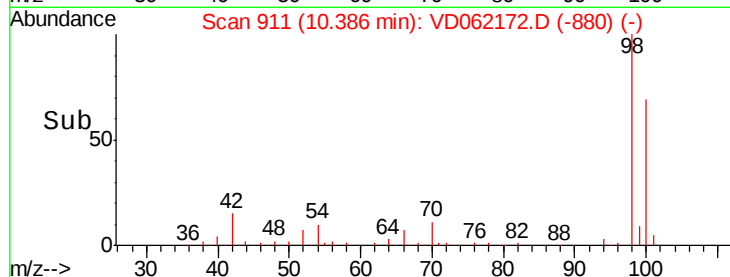
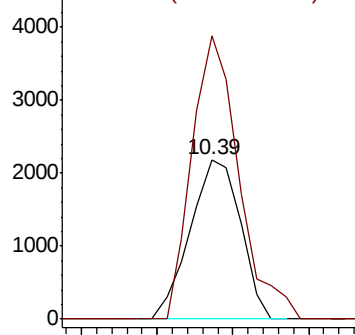
43 100

58 177.7 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 56.383 ug/l

RT: 13.54 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062172.D

Acq: 8 May 2019 14:21

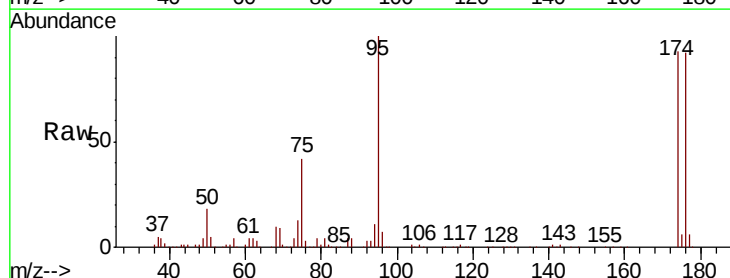
Tgt Ion: 95 Resp: 427395

Ion Ratio Lower Upper

95 100

174 93.3 0.0 181.8

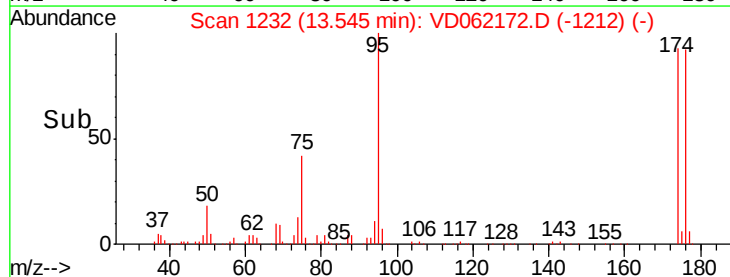
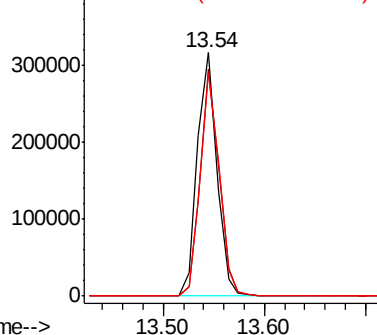
176 91.9 0.0 174.4

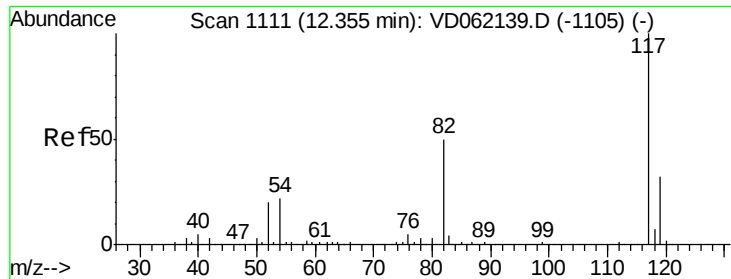


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

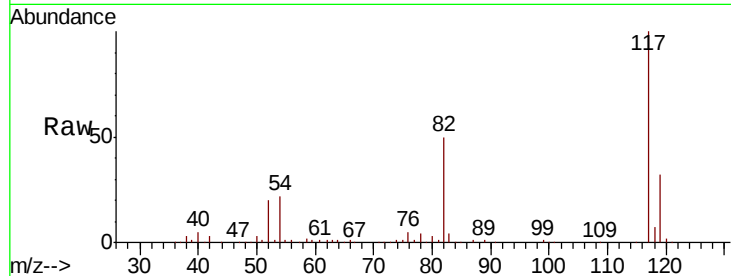




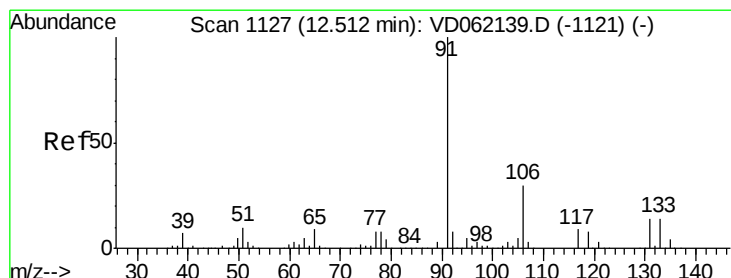
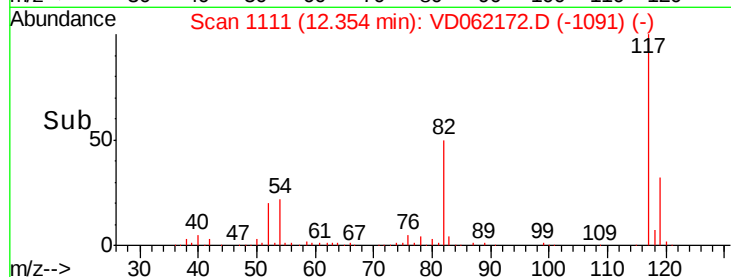
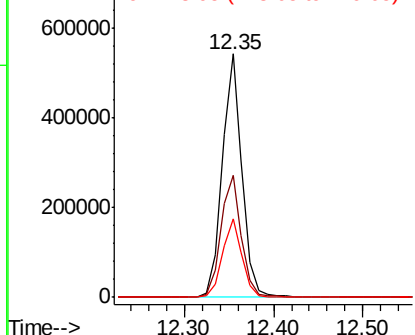
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062172.D
Acq: 8 May 2019 14:21

Instrument :
MSVOA_D
ClientSampleId :
EP1-SB-W5-6(17-20)

Tot Ion:117 Resp: 842194
Ion Ratio Lower Upper
117 100
82 50.4 36.2 54.2
119 32.3 26.2 39.4

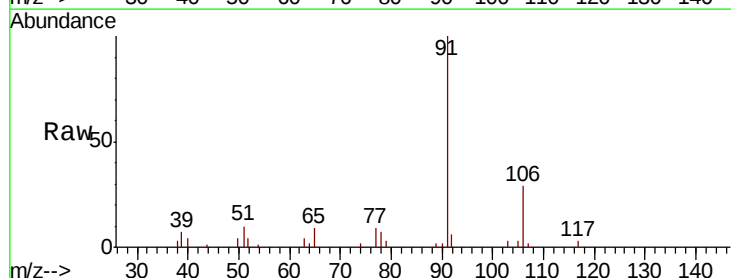


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

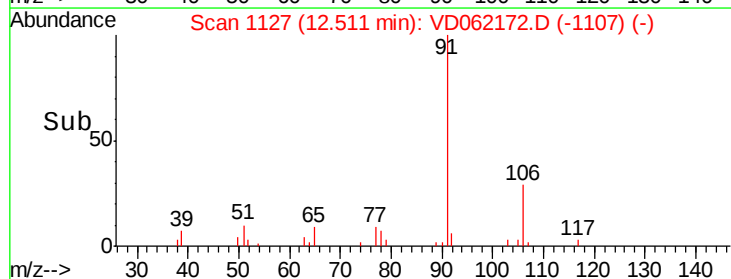
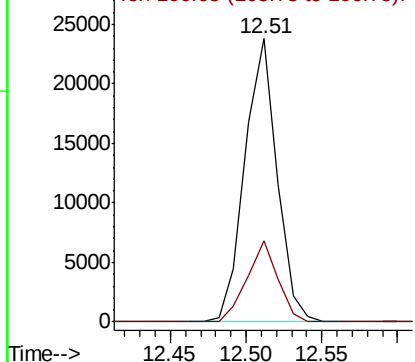


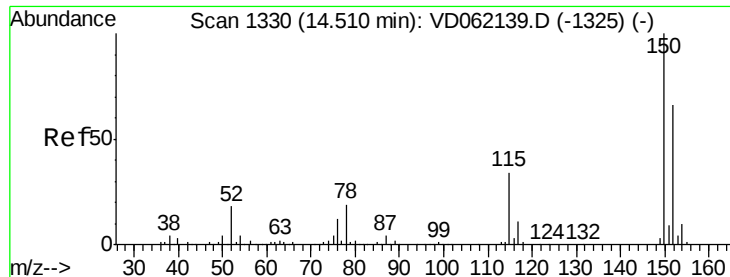
#67
Ethyl Benzene
Concen: 1.340 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062172.D
Acq: 8 May 2019 14:21

Tgt Ion: 91 Resp: 35199
Ion Ratio Lower Upper
91 100
106 28.8 24.7 37.1



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062172.D

Acq: 8 May 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

EP1-SB-W5-6(17-20)

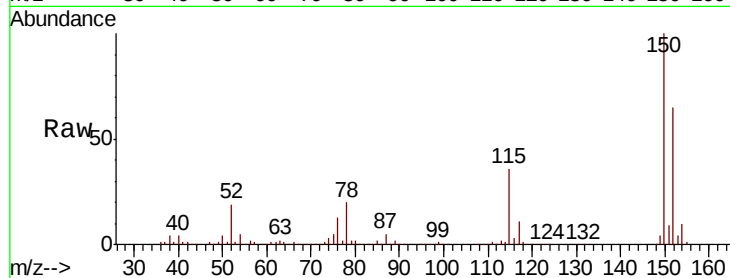
Tot Ion:152 Resp: 430686

Ion Ratio Lower Upper

152 100

115 55.4 30.9 92.7

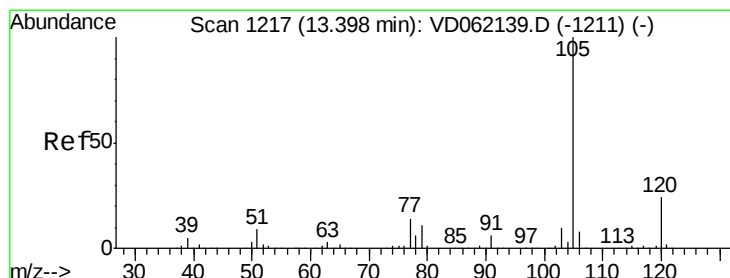
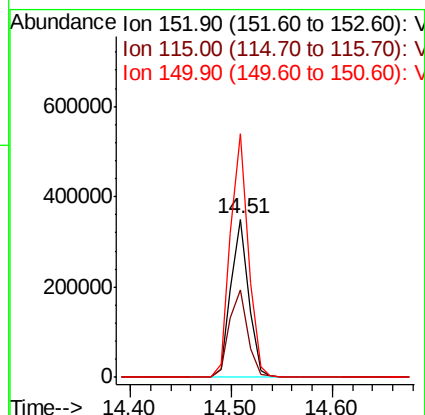
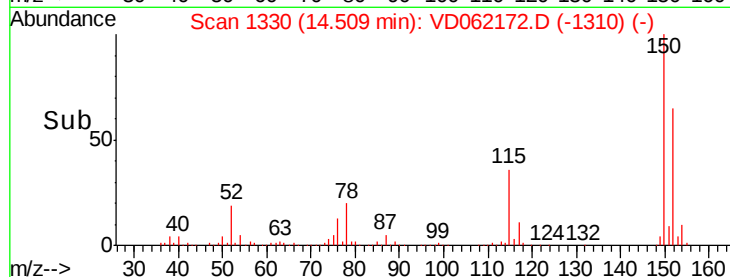
150 154.0 0.0 314.8



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: 5.236 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062172.D

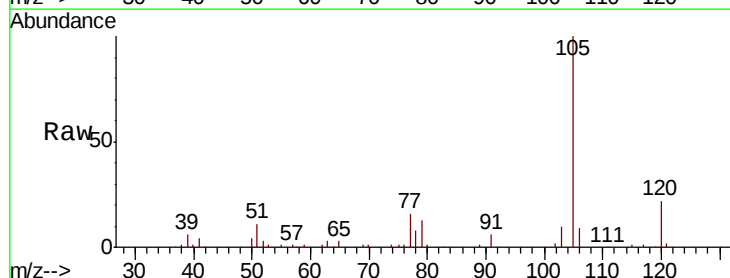
Acq: 8 May 2019 14:21

Tgt Ion:105 Resp: 135174

Ion Ratio Lower Upper

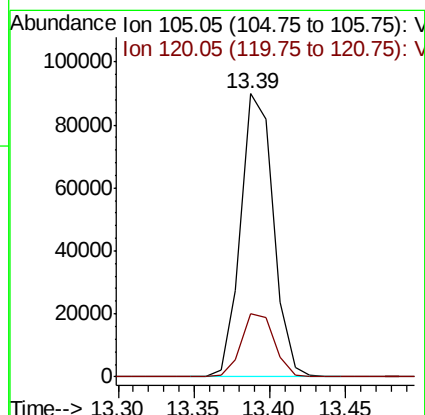
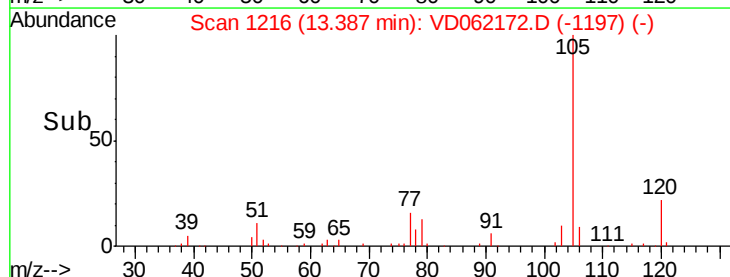
105 100

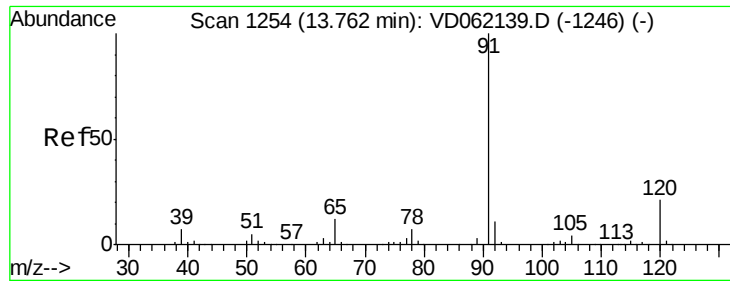
120 22.3 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 1.820 ug/l

RT: 13.76 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062172.D

Acq: 8 May 2019 14:21

Instrument :

MSVOA_D

ClientSampleId :

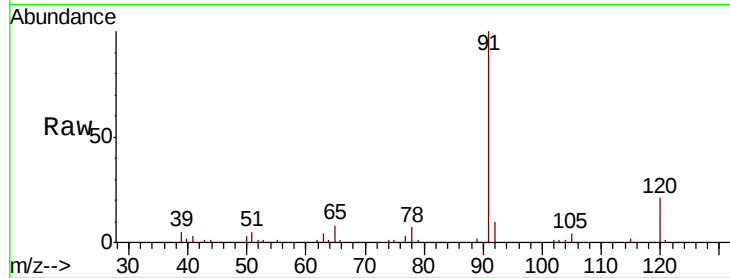
EP1-SB-W5-6(17-20)

Tot Ion: 91 Resp: 56051

Ion Ratio Lower Upper

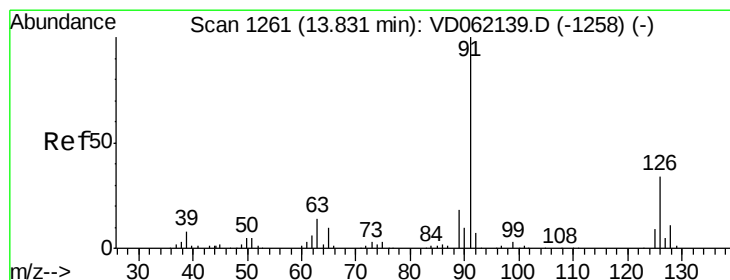
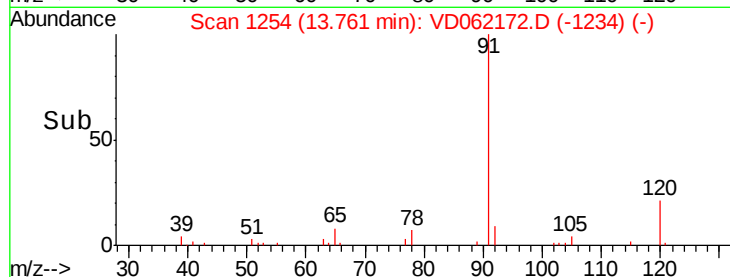
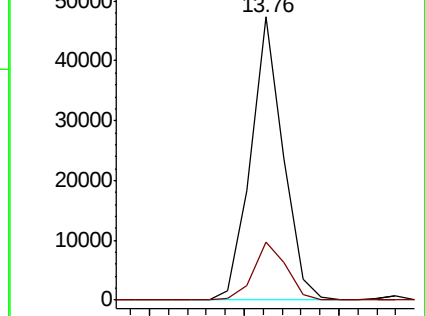
91 100

120 20.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 3.178 ug/l

RT: 13.76 min Scan# 1254

Delta R.T. -0.07 min

Lab File: VD062172.D

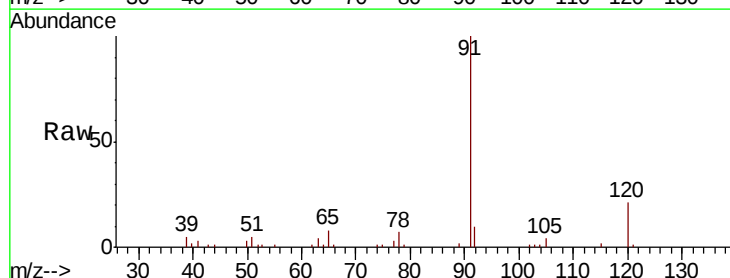
Acq: 8 May 2019 14:21

Tgt Ion: 91 Resp: 56051

Ion Ratio Lower Upper

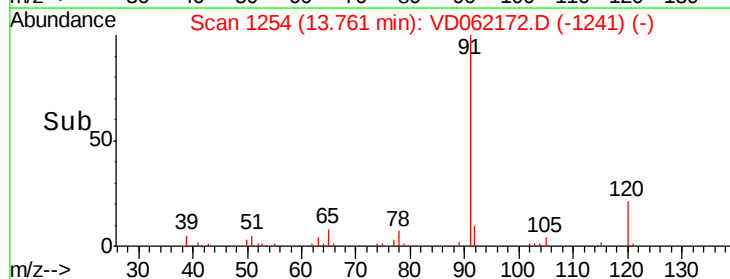
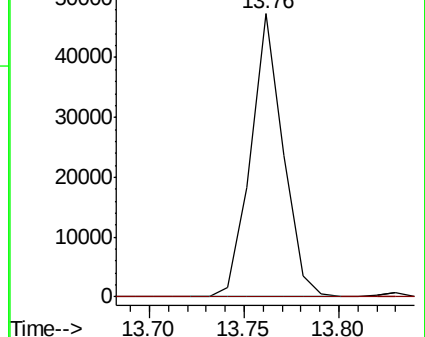
91 100

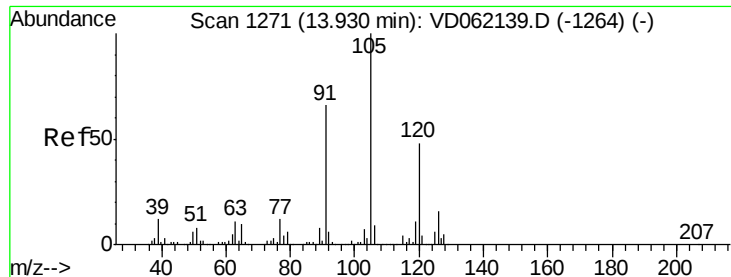
126 0.0 18.6 55.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

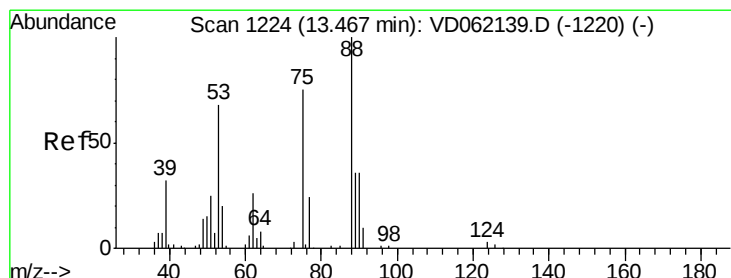
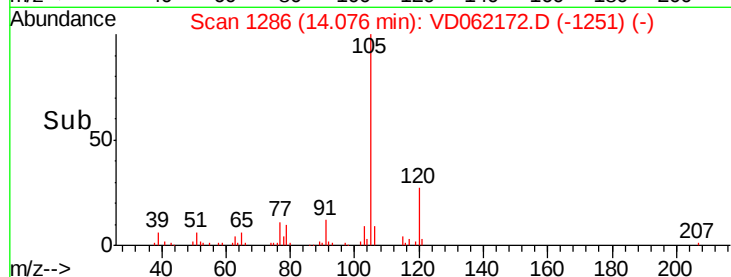
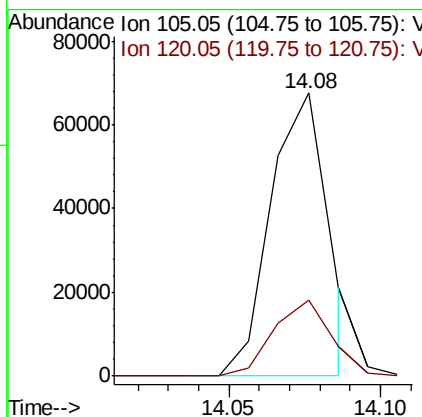
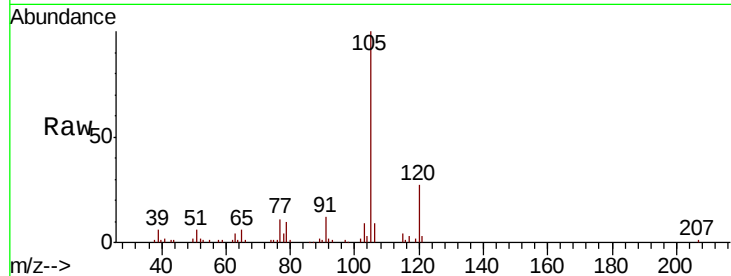




#80
 1,3,5-Trimethylbenzene
 Concen: 4.066 ug/l
 RT: 14.08 min Scan# 1286
 Delta R.T. 0.15 min
 Lab File: VD062172.D
 Acq: 8 May 2019 14:21

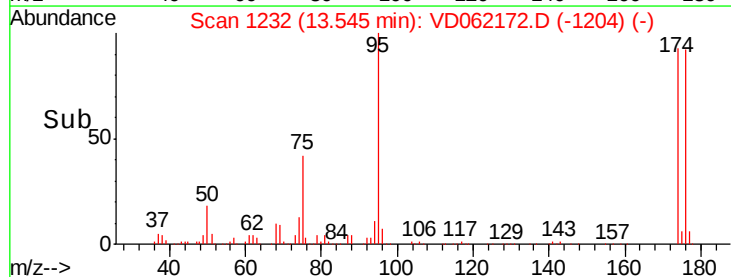
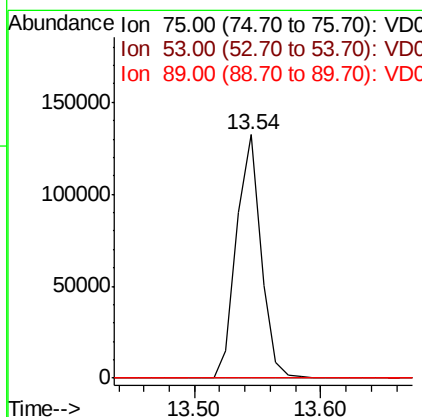
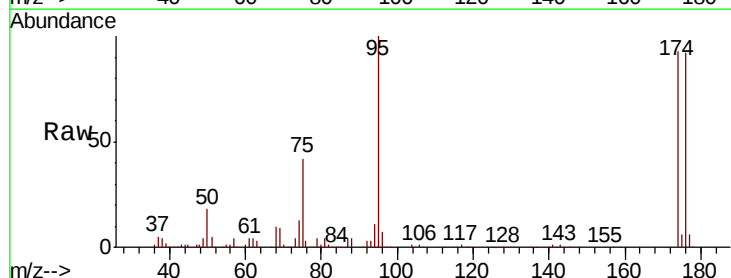
Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SB-W5-6(17-20)

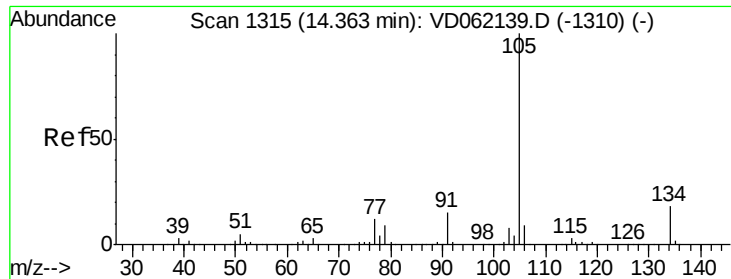
Tot Ion:105 Resp: 88386
 Ion Ratio Lower Upper
 105 100
 120 26.9 24.0 72.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.332 ug/l
 RT: 13.54 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD062172.D
 Acq: 8 May 2019 14:21

Tgt Ion: 75 Resp: 176762
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#





#85
 sec-Butylbenzene
 Concen: 1.785 ug/l
 RT: 14.35 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062172.D
 Acq: 8 May 2019 14:21

Instrument :
 MSVOA_D
 ClientSampleId :
 EP1-SB-W5-6(17-20)

Tot Ion:105 Resp: 47835
 Ion Ratio Lower Upper
 105 100
 134 19.4 8.9 26.7

