

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
 Data File : VD062663.D
 Acq On : 10 Jun 2019 19:38
 Operator : VA/AP
 Sample : K3273-06RE
 Misc : 4.66g/5ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4 9.5-10.0 060719RE

Quant Time: Jun 11 03:59:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	914346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1283616	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1043728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	551192	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	409299	31.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	62.04%	
35) Dibromofluoromethane	6.92	113	435085	32.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	64.28%	
50) Toluene-d8	10.40	98	847670	29.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	59.54%	
62) 4-Bromofluorobenzene	13.55	95	394259	29.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	59.34%	

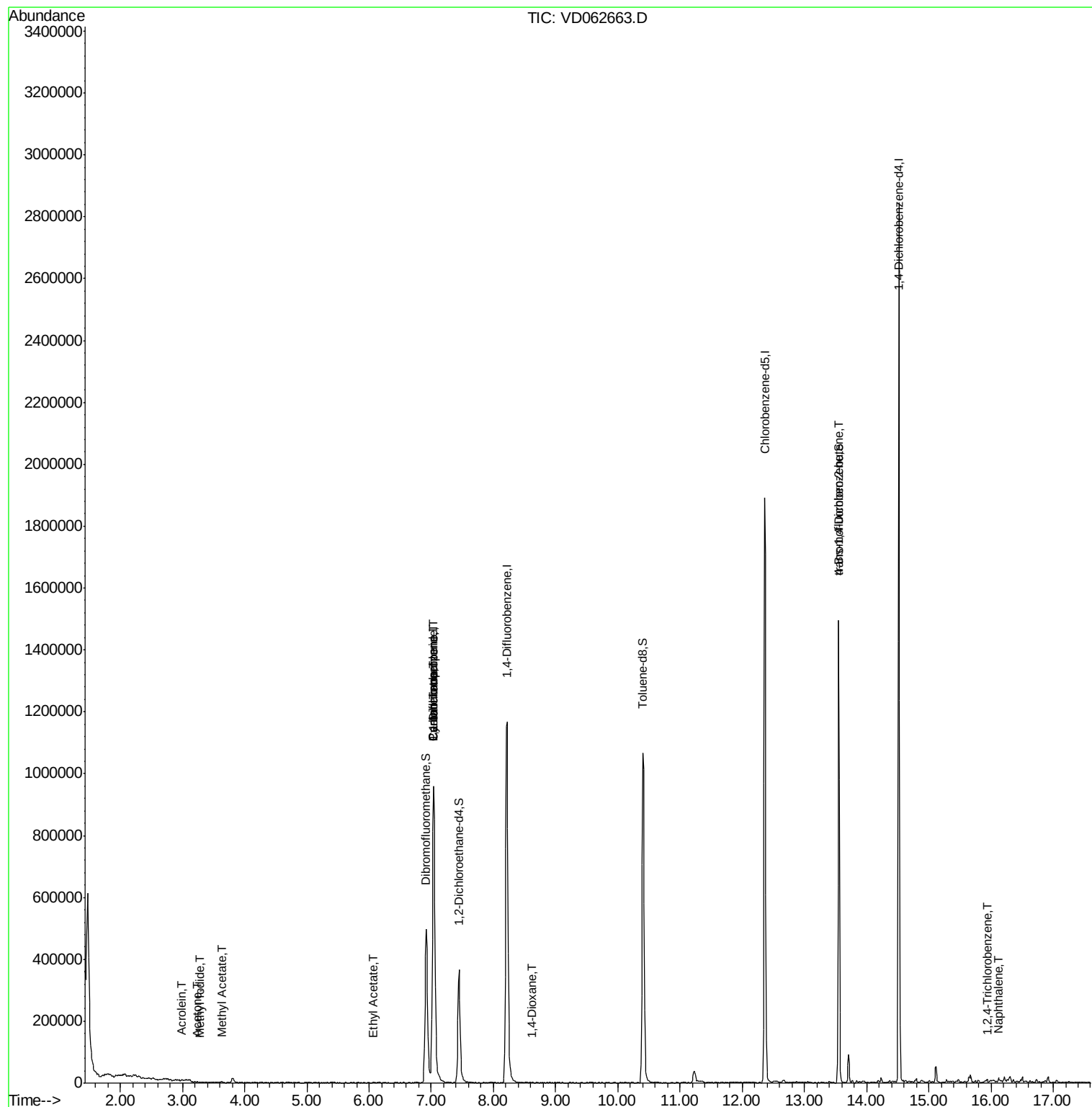
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	913	Below Cal		71
10) Methyl Iodide	3.29	142	579	4.041	ug/l #	86
13) Acrolein	2.99	56	191	1.095	ug/l #	1
16) Acetone	3.23	43	3247	1.344	ug/l #	66
18) Methyl Acetate	3.63	43	4498	1.133	ug/l #	64
31) Cyclohexane	7.04	56	21778	2.092	ug/l #	20
36) 1,1-Dichloropropene	7.04	75	71707	4.881	ug/l #	51
37) Ethyl Acetate	6.06	43	277	1.244	ug/l #	74
38) Carbon Tetrachloride	7.04	117	94070	4.051	ug/l #	18
49) 1,4-Dioxane	8.61	88	243	51.887	ug/l #	21
81) trans-1,4-Dichloro-2-buten	13.55	75	199272	86.801	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	742	3.617	ug/l #	53
95) Naphthalene	16.12	128	7536	3.800	ug/l #	86

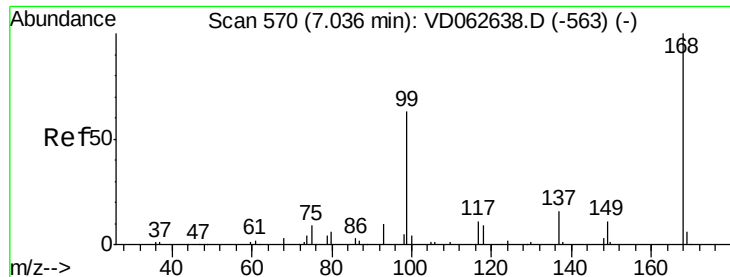
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
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ClientSampleId :
SB-4_9.5-10.0_060719RE

Quant Time: Jun 11 03:59:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD062663.D

Acq: 10 Jun 2019 19:38

Instrument :

MSVOA_D

ClientSampleId :

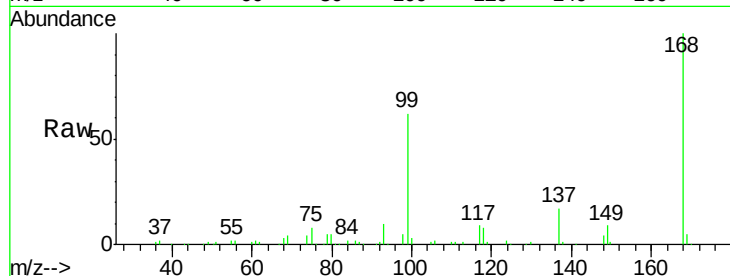
SB-4 9.5-10.0_060719RE

Tgt Ion:168 Resp: 914346

Ion Ratio Lower Upper

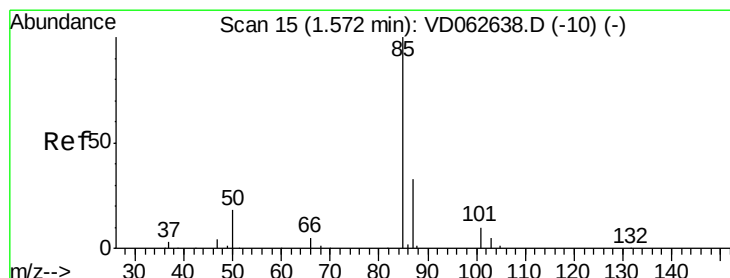
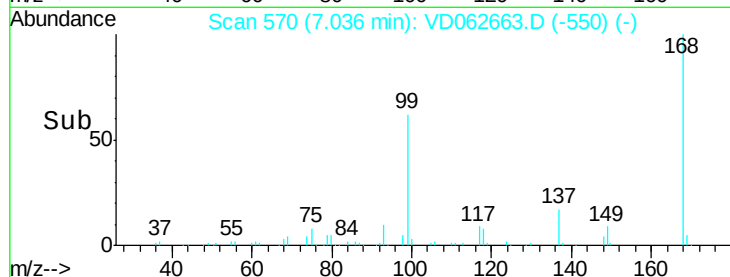
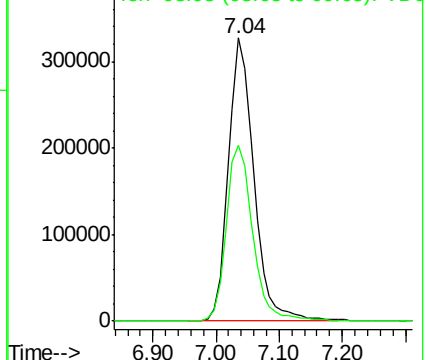
168 100

99 62.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062663.D

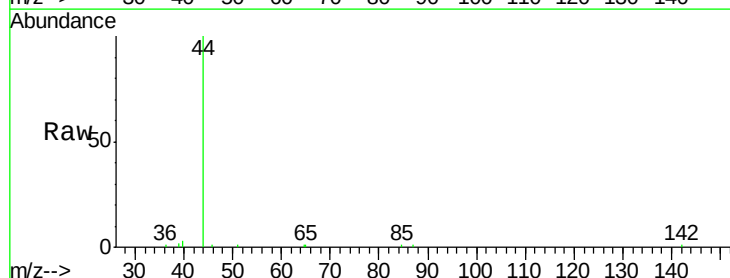
Acq: 10 Jun 2019 19:38

Tgt Ion: 85 Resp: 913

Ion Ratio Lower Upper

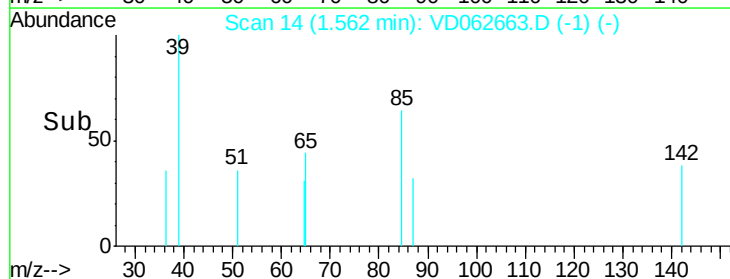
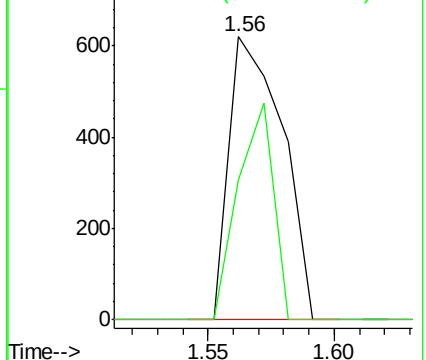
85 100

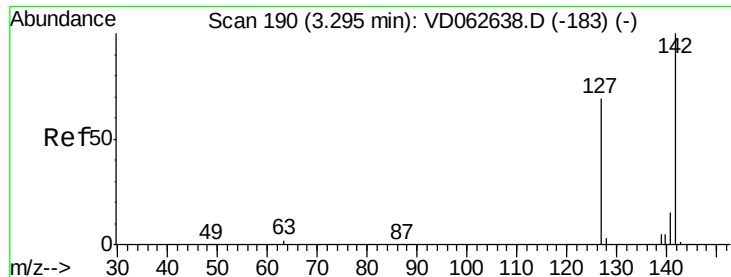
87 49.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

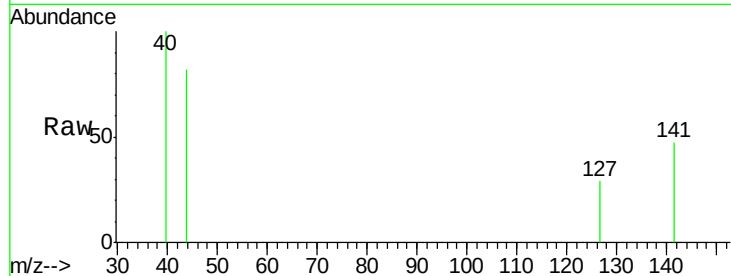




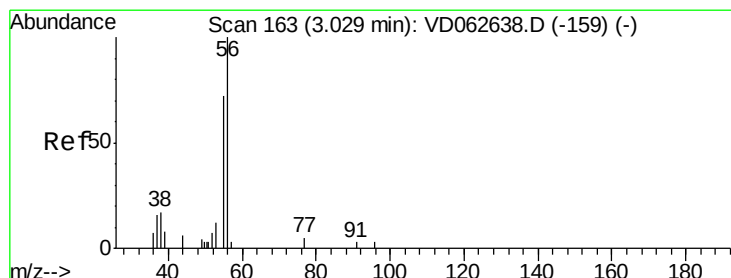
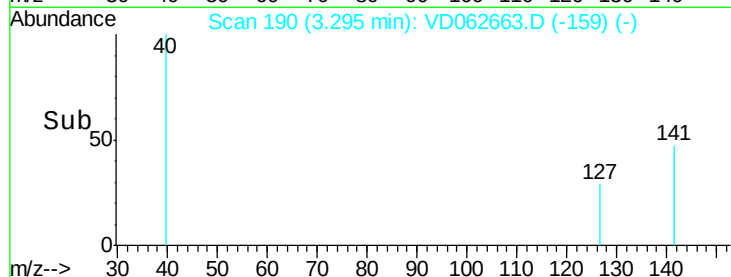
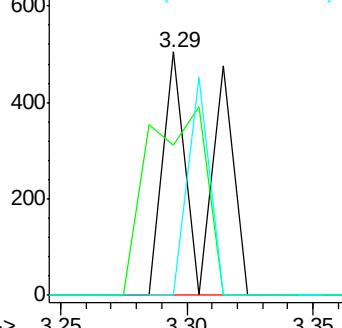
#10
Methyl Iodide
Concen: 4.041 ug/l
RT: 3.29 min Scan# 190
Delta R.T. 0.00 min
Lab File: VD062663.D
Acq: 10 Jun 2019 19:38

Instrument :
MSVOA_D
ClientSampleId :
SB-4_9.5-10.0_060719RE

Tgt Ion: 142 Resp: 579
Ion Ratio Lower Upper
142 100
127 61.8 55.2 82.8
141 0.0 12.1 18.1#

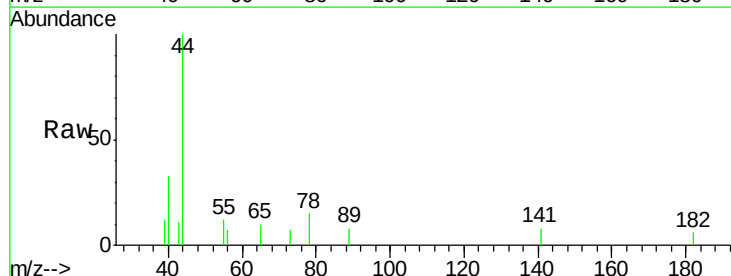


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

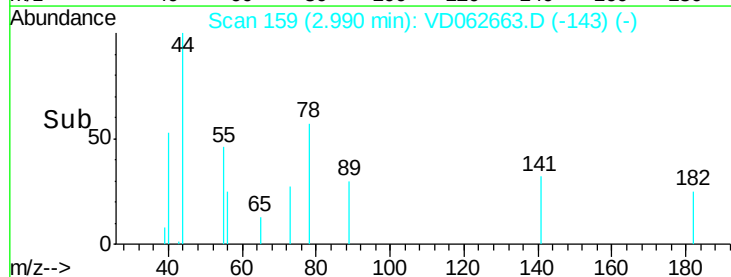
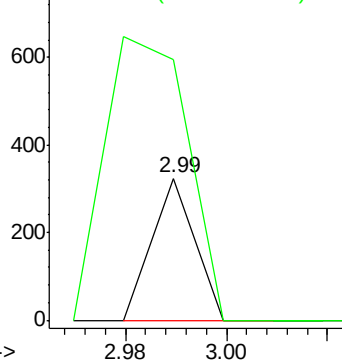


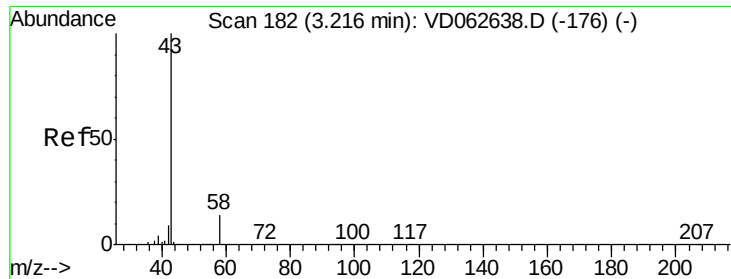
#13
Acrolein
Concen: 1.095 ug/l
RT: 2.99 min Scan# 159
Delta R.T. -0.04 min
Lab File: VD062663.D
Acq: 10 Jun 2019 19:38

Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 183.9 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC

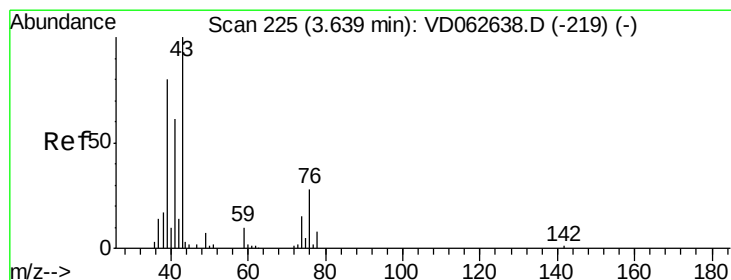
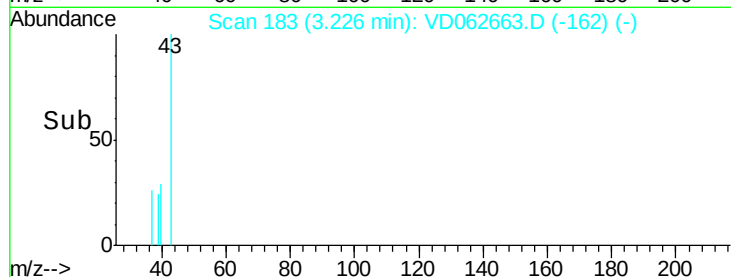
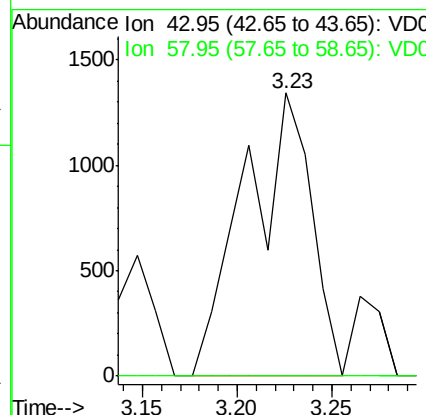
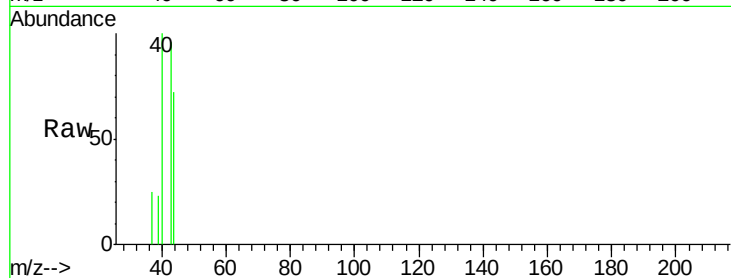




#16
Acetone
Concen: 1.344 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.01 min
Lab File: VD062663.D
Acq: 10 Jun 2019 19:38

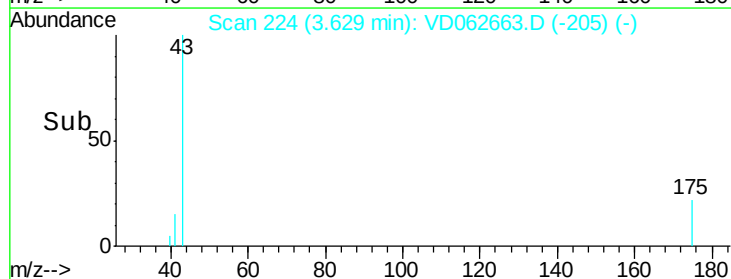
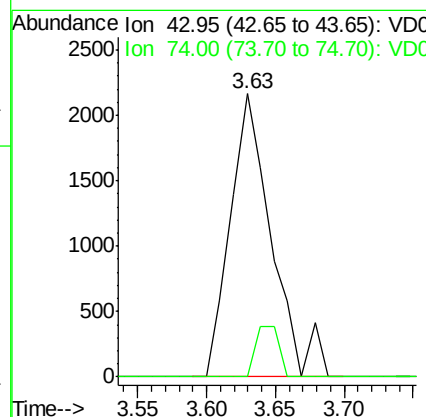
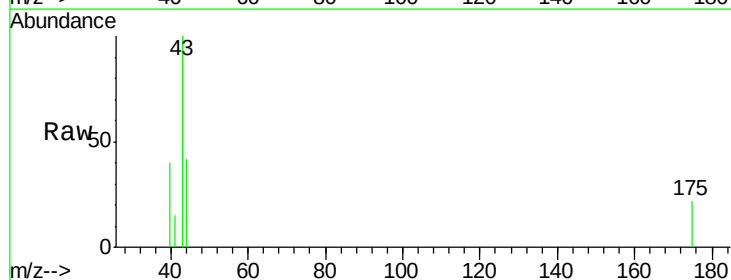
Instrument :
MSVOA_D
ClientSampleId :
SB-4_9.5-10.0_060719RE

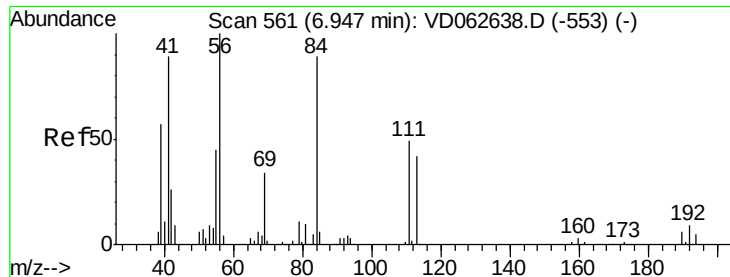
Tgt Ion: 43 Resp: 3247
Ion Ratio Lower Upper
43 100
58 0.0 10.8 16.2#



#18
Methyl Acetate
Concen: 1.133 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062663.D
Acq: 10 Jun 2019 19:38

Tgt Ion: 43 Resp: 4498
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#

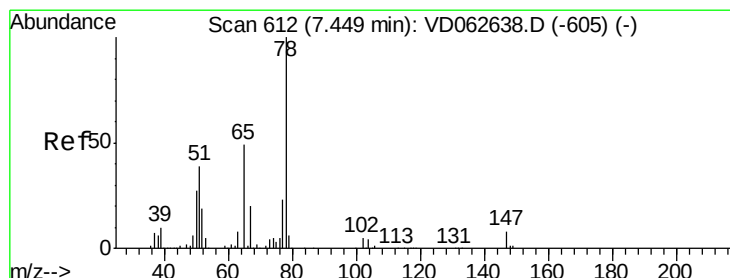
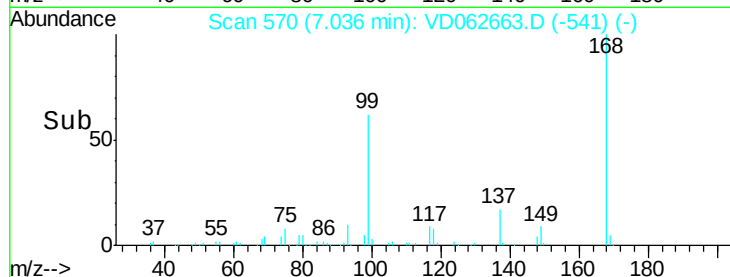
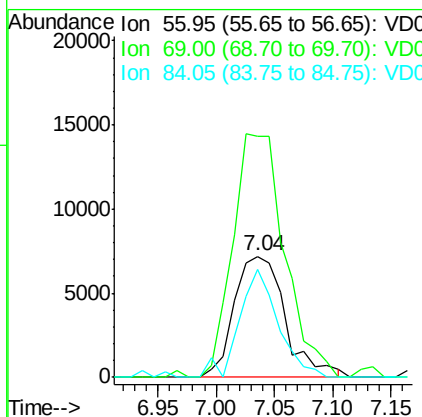
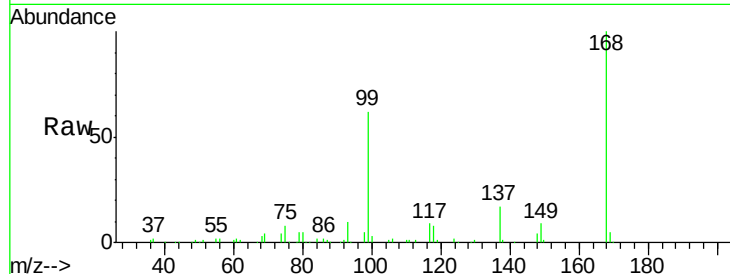




#31
Cyclohexane
Concen: 2.092 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.09 min
Lab File: VD062663.D
Acq: 10 Jun 2019 19:38

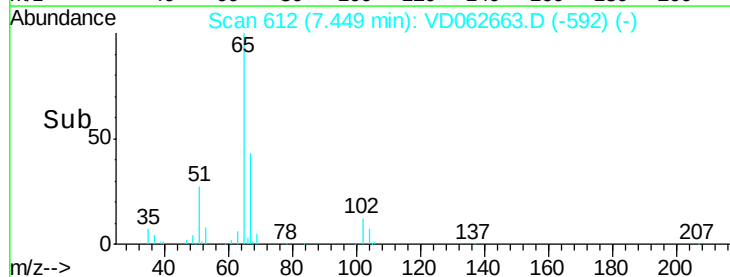
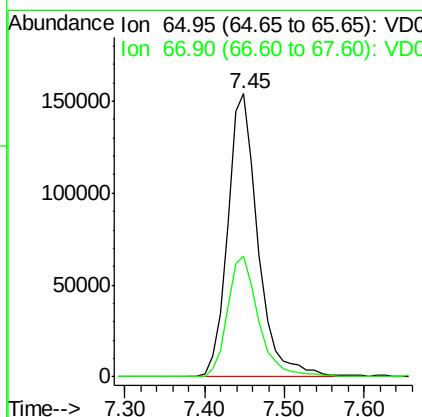
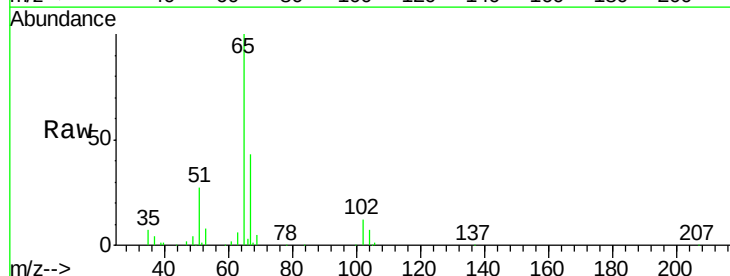
Instrument :
MSVOA_D
ClientSampleId :
SB-4_9.5-10.0_060719RE

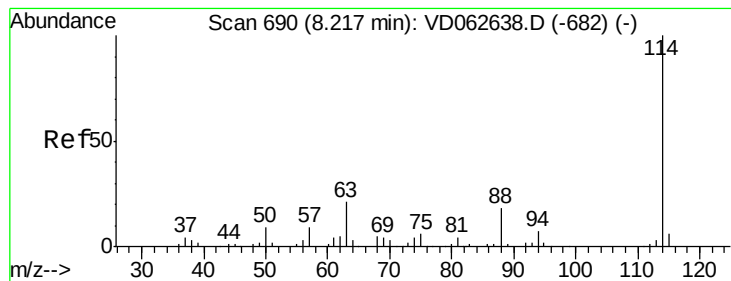
Tgt Ion: 56 Resp: 21778
Ion Ratio Lower Upper
56 100
69 198.7 26.8 40.2#
84 89.3 73.9 110.9



#33
1,2-Dichloroethane-d4
Concen: 31.022 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD062663.D
Acq: 10 Jun 2019 19:38

Tgt Ion: 65 Resp: 409299
Ion Ratio Lower Upper
65 100
67 42.6 0.0 81.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD062663.D

Acq: 10 Jun 2019 19:38

Instrument :

MSVOA_D

ClientSampleId :

SB-4 9.5-10.0 060719RE

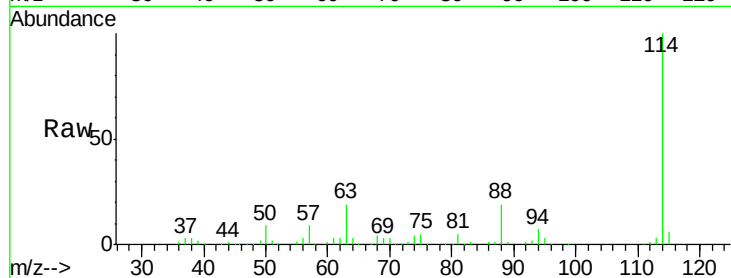
Tgt Ion:114 Resp: 1283616

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 18.6 0.0 36.8



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

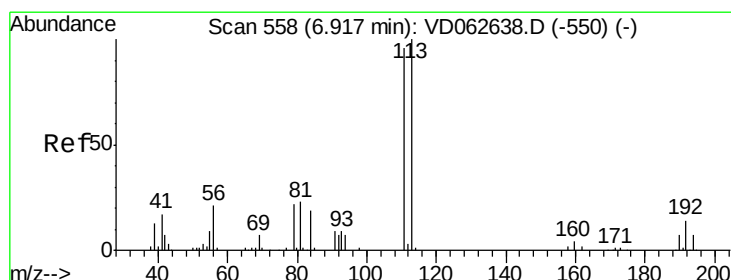
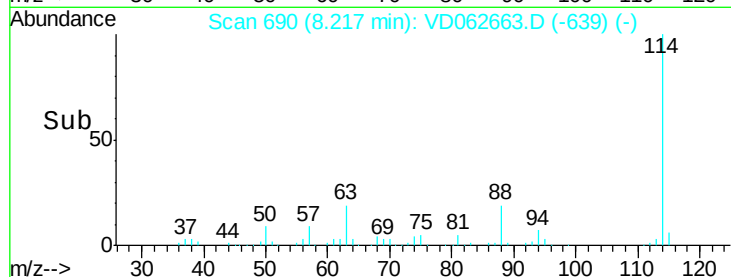
8.22

400000

200000

0

Time-->



#35

Dibromofluoromethane

Concen: 32.139 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD062663.D

Acq: 10 Jun 2019 19:38

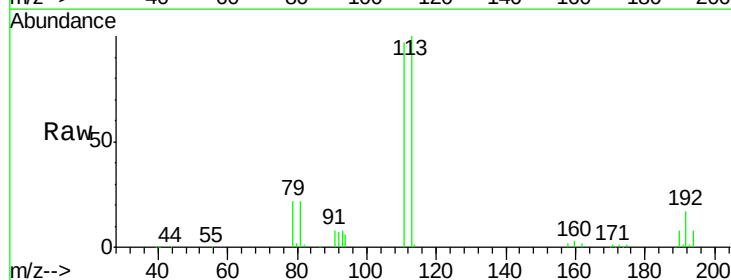
Tgt Ion:113 Resp: 435085

Ion Ratio Lower Upper

113 100

111 97.1 76.4 114.6

192 16.5 11.4 17.0



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

6.92

200000

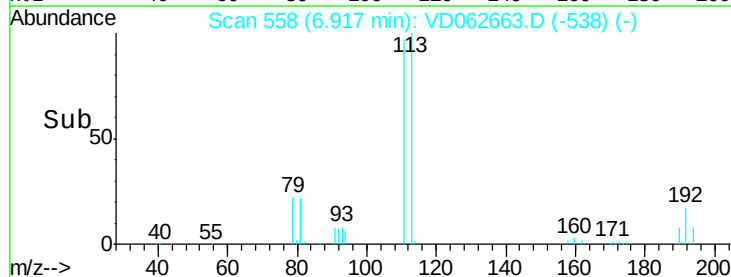
150000

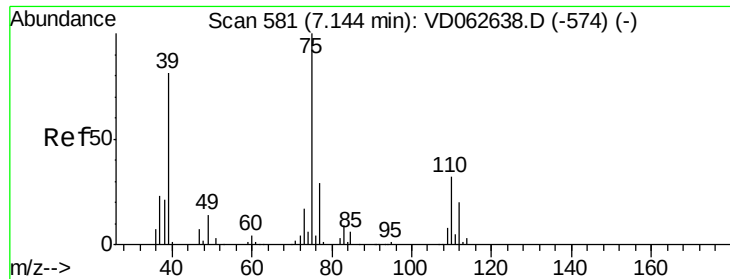
100000

50000

0

Time-->

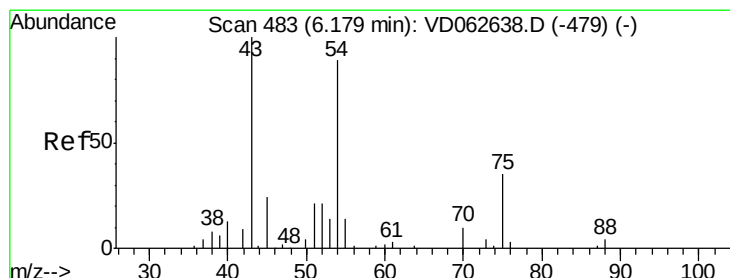
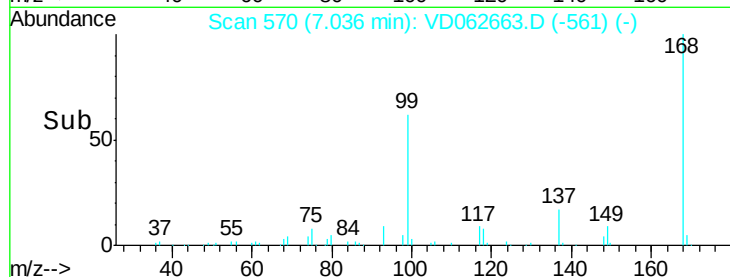
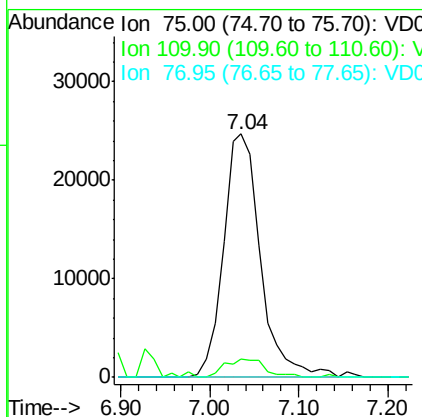
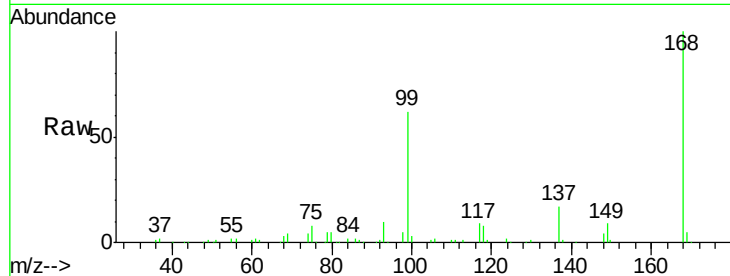




#36
 1,1-Dichloropropene
 Concen: 4.881 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD062663.D
 Acq: 10 Jun 2019 19:38

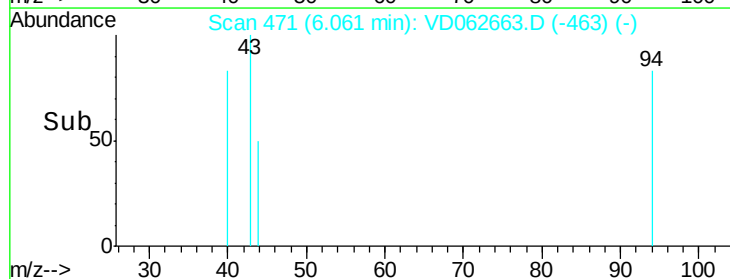
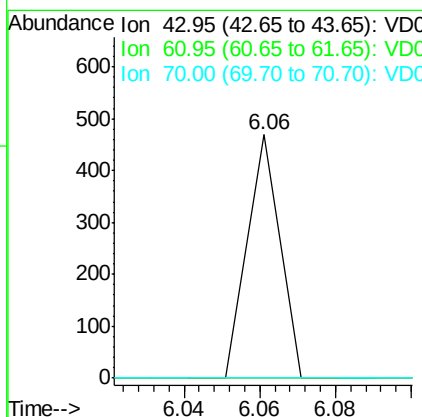
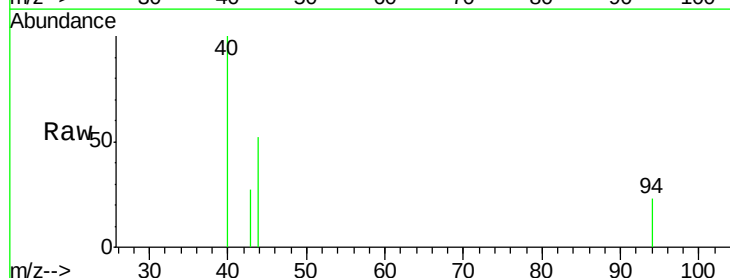
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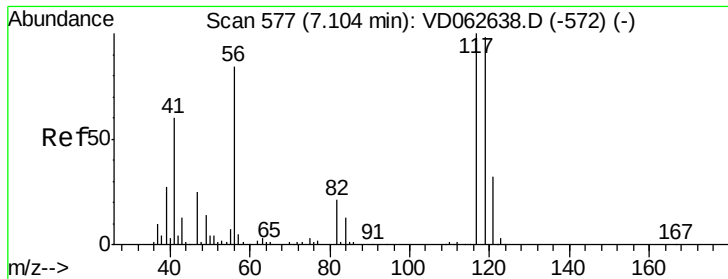
Tgt Ion: 75 Resp: 71707
 Ion Ratio Lower Upper
 75 100
 110 7.4 15.9 47.7#
 77 0.0 23.3 34.9#



#37
 Ethyl Acetate
 Concen: 1.244 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. -0.12 min
 Lab File: VD062663.D
 Acq: 10 Jun 2019 19:38

Tgt Ion: 43 Resp: 277
 Ion Ratio Lower Upper
 43 100
 61 0.0 8.7 13.1#
 70 0.0 6.5 9.7#





#38

Carbon Tetrachloride

Concen: 4.051 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.07 min

Lab File: VD062663.D

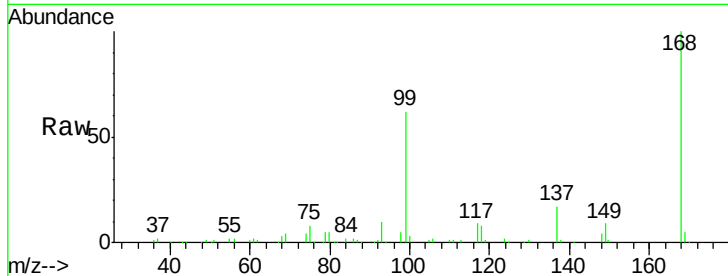
Acq: 10 Jun 2019 19:38

Instrument :

MSVOA_D

ClientSampleId :

SB-4 9.5-10.0 060719RE



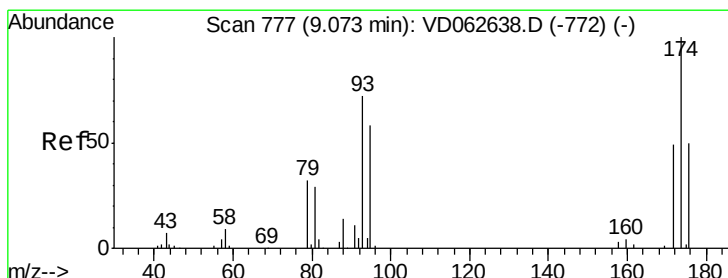
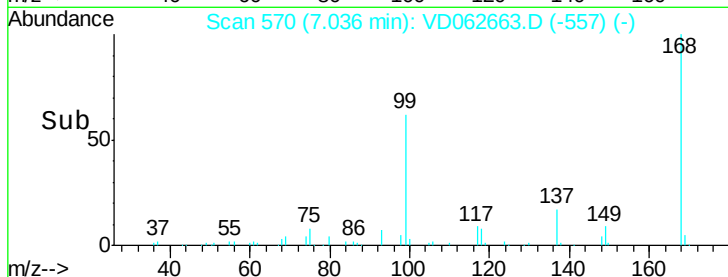
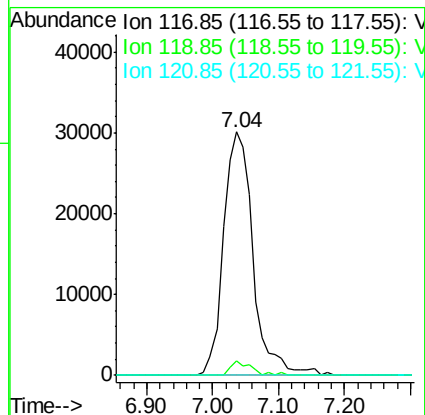
Tgt Ion: 117 Resp: 94070

Ion Ratio Lower Upper

117 100

119 6.0 73.5 110.3#

121 0.0 24.2 36.4#



#49

1,4-Dioxane

Concen: 51.887 ug/l

RT: 8.61 min Scan# 730

Delta R.T. -0.46 min

Lab File: VD062663.D

Acq: 10 Jun 2019 19:38

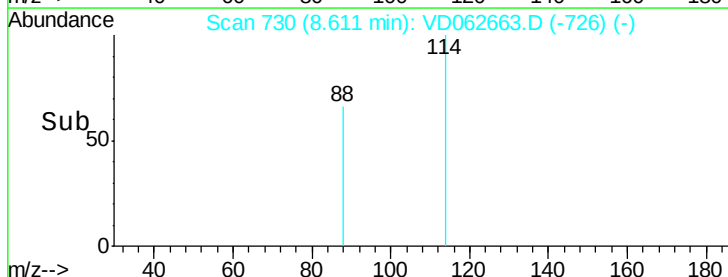
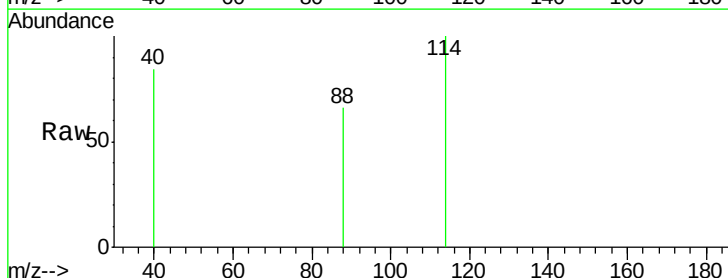
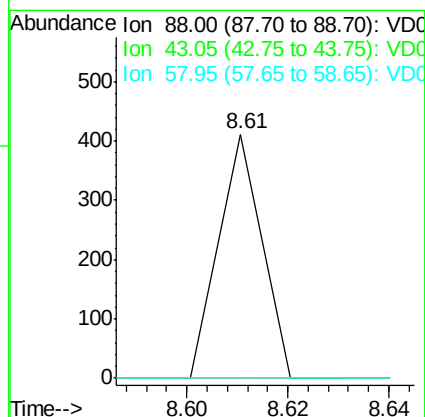
Tgt Ion: 88 Resp: 243

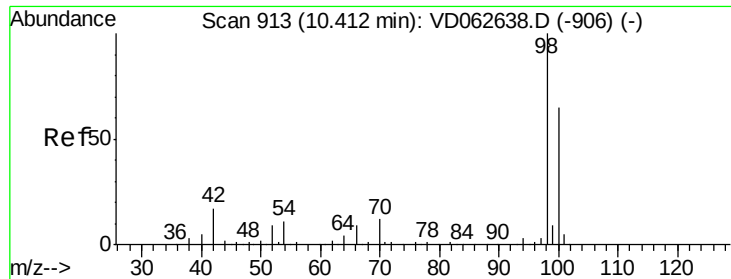
Ion Ratio Lower Upper

88 100

43 0.0 40.7 61.1#

58 0.0 54.2 81.4#

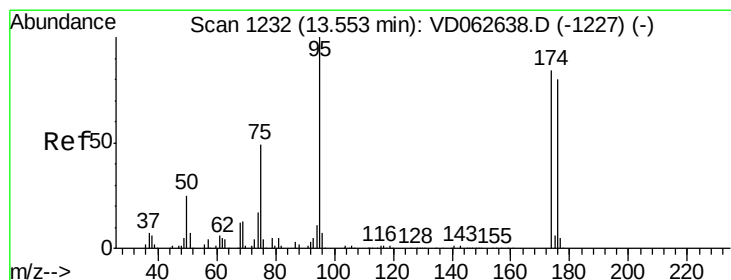
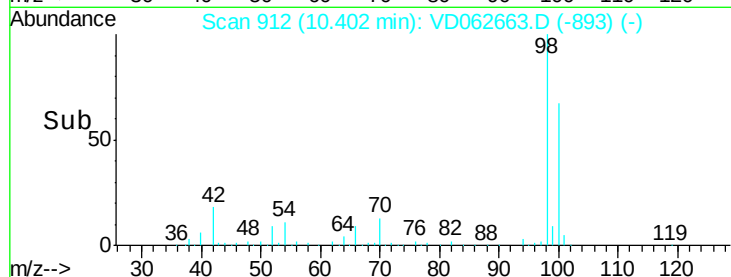
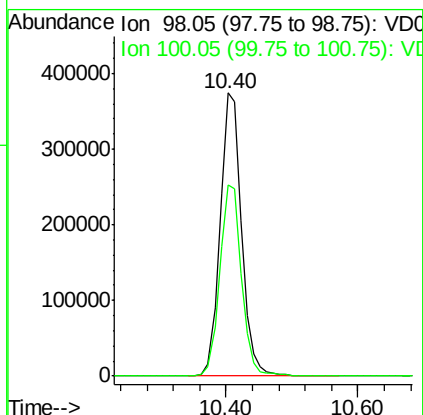
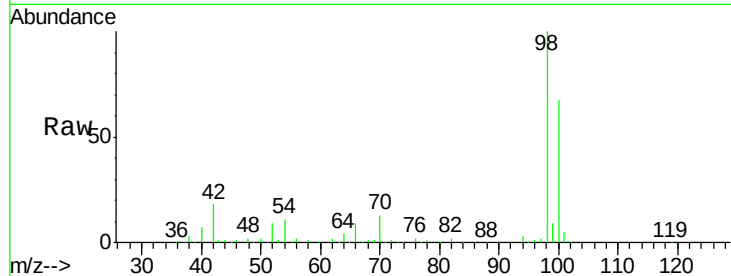




#50
Toluene-d8
Concen: 29.766 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062663.D
Acq: 10 Jun 2019 19:38

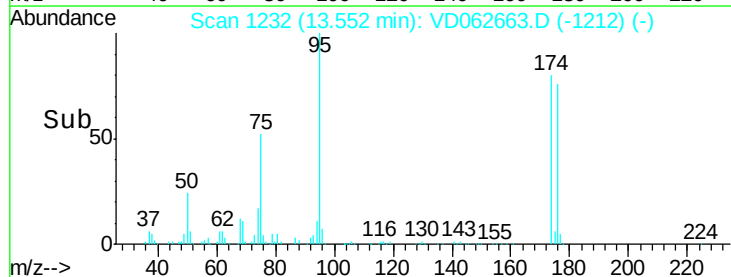
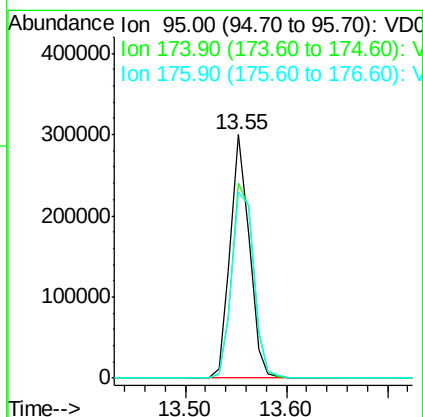
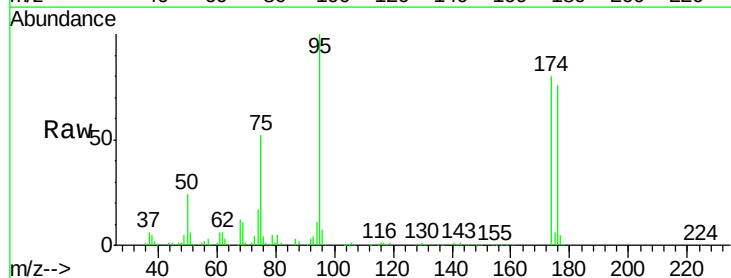
Instrument :
MSVOA_D
ClientSampleId :
SB-4 9.5-10.0_060719RE

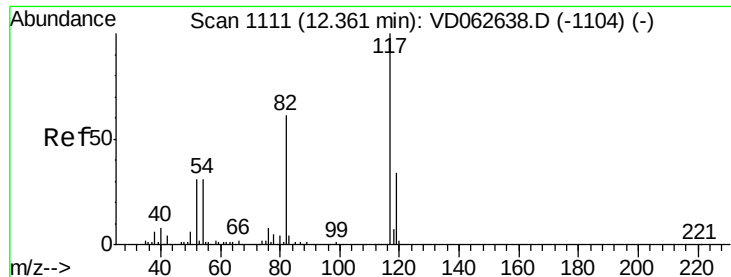
Tgt Ion: 98 Resp: 847670
Ion Ratio Lower Upper
98 100
100 67.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 29.675 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062663.D
Acq: 10 Jun 2019 19:38

Tgt Ion: 95 Resp: 394259
Ion Ratio Lower Upper
95 100
174 80.2 0.0 167.0
176 76.3 0.0 159.2

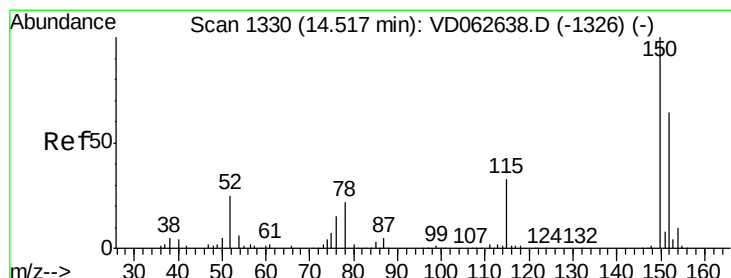
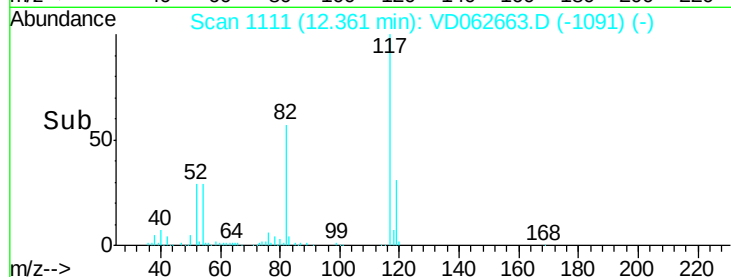
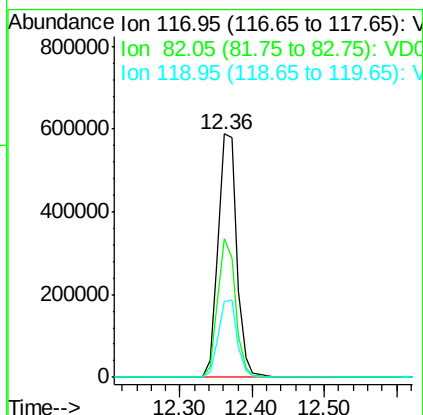
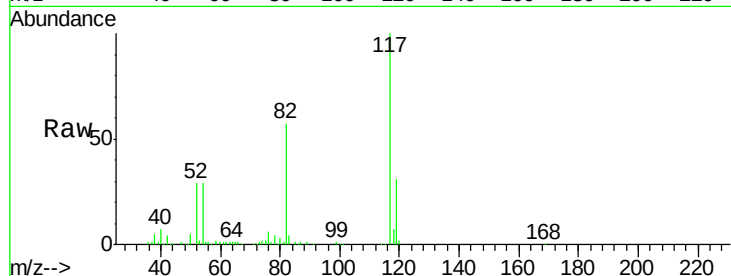




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062663.D
Acq: 10 Jun 2019 19:38

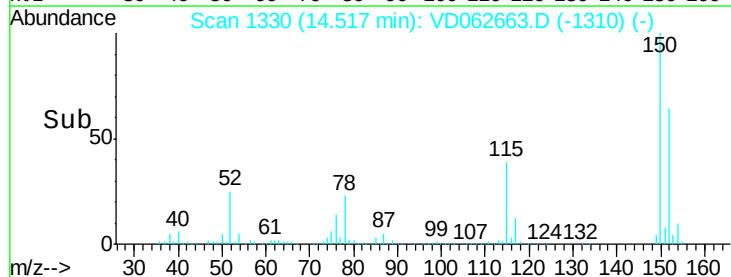
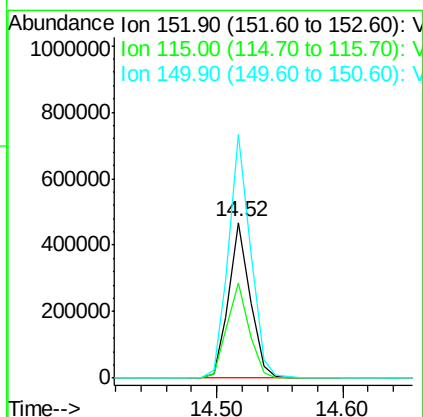
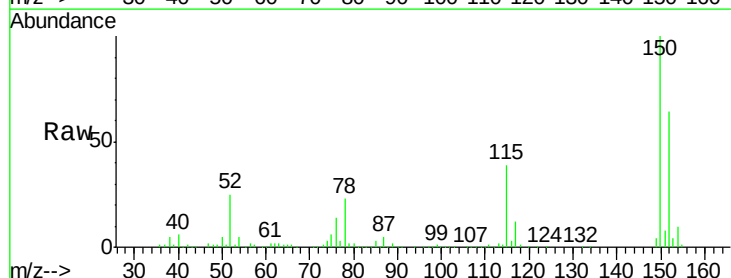
Instrument :
MSVOA_D
ClientSampleId :
SB-4_9.5-10.0_060719RE

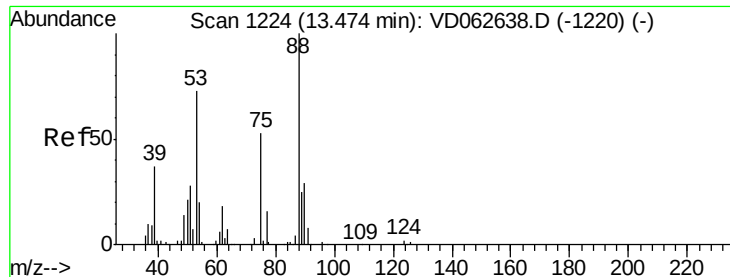
Tgt Ion:117 Resp: 1043728
Ion Ratio Lower Upper
117 100
82 57.1 48.7 73.1
119 31.2 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062663.D
Acq: 10 Jun 2019 19:38

Tgt Ion:152 Resp: 551192
Ion Ratio Lower Upper
152 100
115 60.8 30.1 90.5
150 156.5 0.0 314.0





#81

trans-1,4-Dichloro-2-butene

Concen: 86.801 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062663.D

Acq: 10 Jun 2019 19:38

Instrument :

MSVOA_D

ClientSampleId :

SB-4_9.5-10.0_060719RE

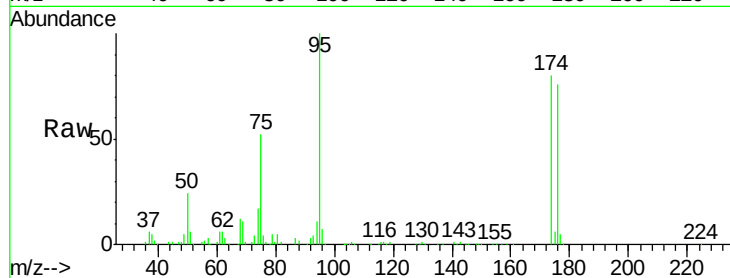
Tgt Ion: 75 Resp: 199272

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

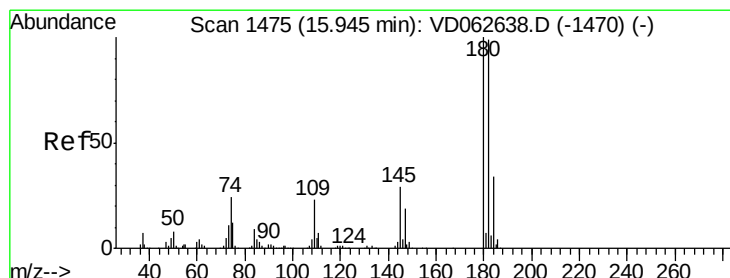
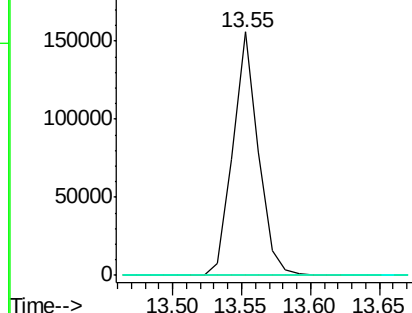
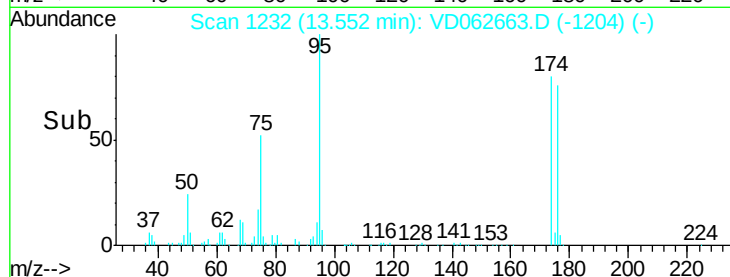
89 0.0 37.0 55.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#93

1,2,4-Trichlorobenzene

Concen: 3.617 ug/l

RT: 15.94 min Scan# 1475

Delta R.T. 0.00 min

Lab File: VD062663.D

Acq: 10 Jun 2019 19:38

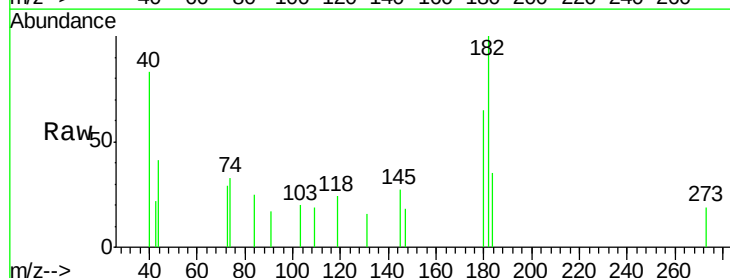
Tgt Ion: 180 Resp: 742

Ion Ratio Lower Upper

180 100

182 152.9 49.4 148.2#

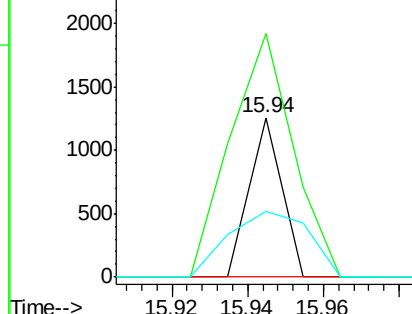
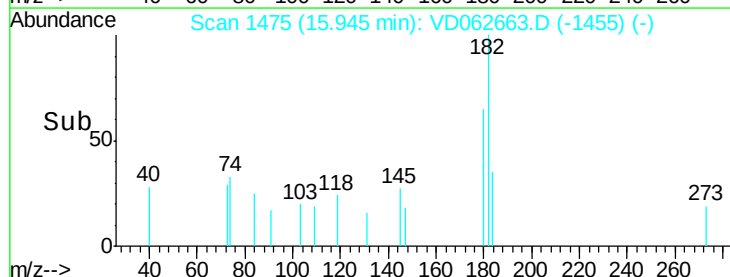
145 40.8 14.5 43.6

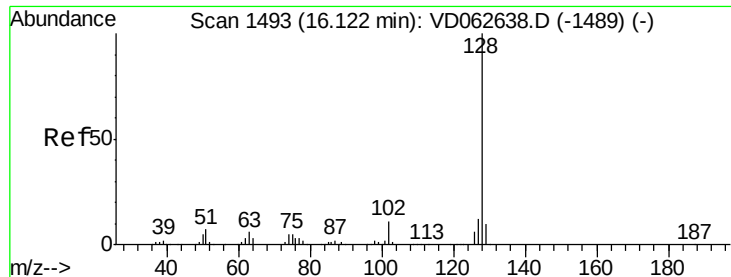


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

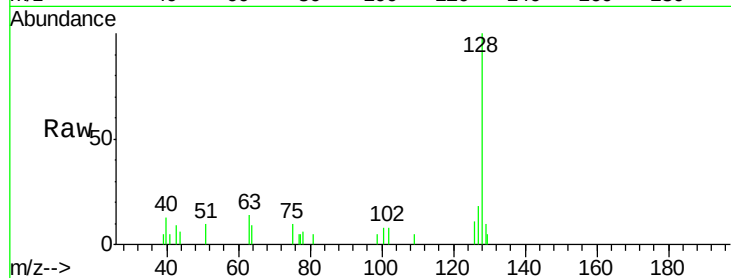




#95
 Naphthalene
 Concen: 3.800 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VD062663.D
 Acq: 10 Jun 2019 19:38

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4_9.5-10.0_060719RE

Tgt Ion:128 Resp: 7536
 Ion Ratio Lower Upper
 128 100
 127 17.5 9.7 14.5#
 129 15.0 8.1 12.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

