

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062993.D
 Acq On : 1 Jul 2019 16:36
 Operator : VA/AP
 Sample : K3604-01
 Misc : 6.49g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-1-17-17.5-BGS

Quant Time: Jul 02 07:35:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	951970	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1310308	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1000127	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	494947	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	562550	54.36	ug/l	-0.02
Spiked Amount						
			Recovery	=	108.72%	
35) Dibromofluoromethane	6.92	113	603495	54.62	ug/l	-0.01
Spiked Amount						
			Recovery	=	109.24%	
50) Toluene-d8	10.40	98	1348035	56.06	ug/l	-0.01
Spiked Amount						
			Recovery	=	112.12%	
62) 4-Bromofluorobenzene	13.55	95	551665	50.45	ug/l	0.00
Spiked Amount						
			Recovery	=	100.90%	

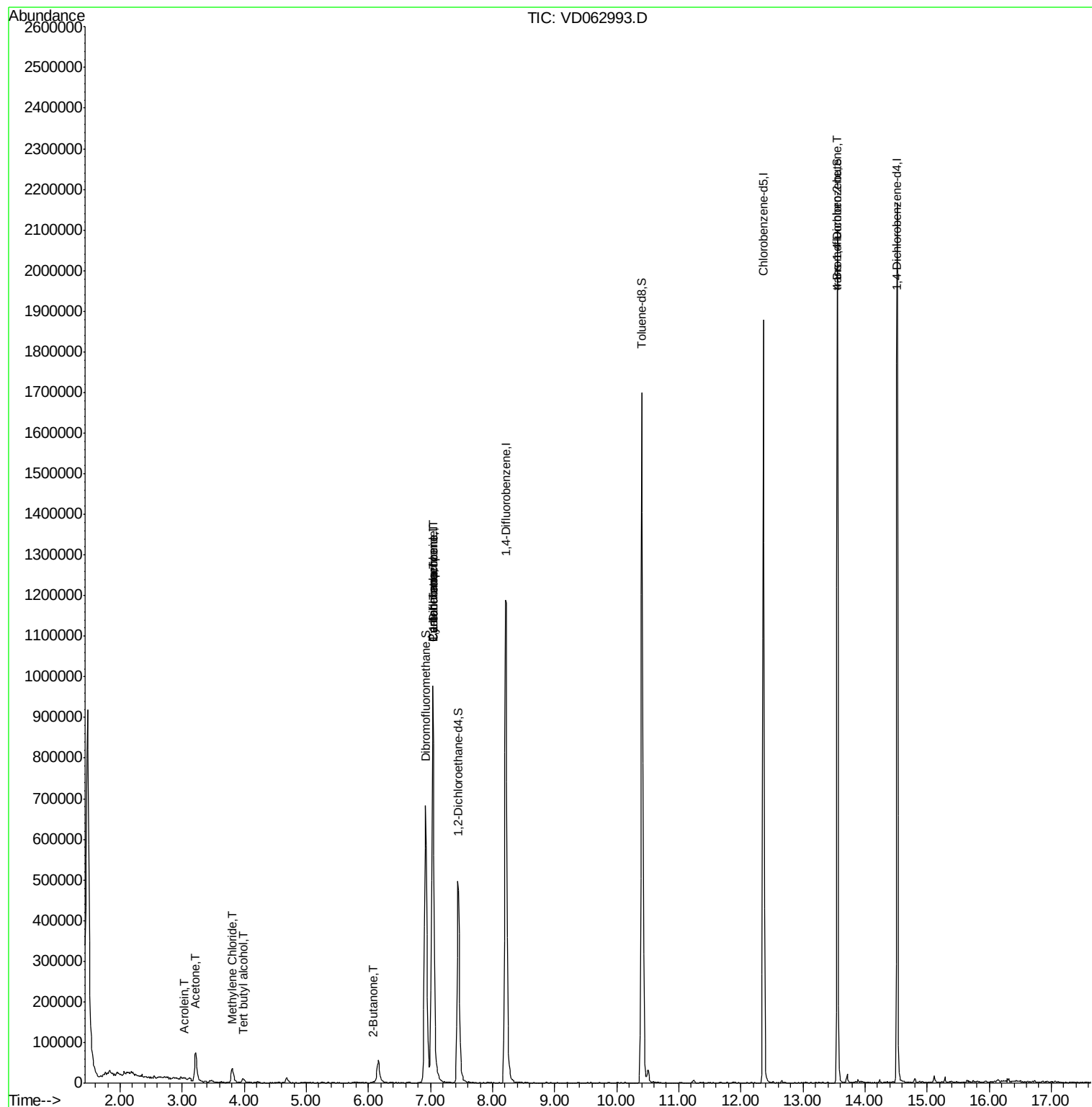
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.98	59	8374	17.768	ug/l #	77
13) Acrolein	3.03	56	506	1.052	ug/l #	1
16) Acetone	3.22	43	140532	61.701	ug/l #	90
20) Methylene Chloride	3.81	84	19666	2.492	ug/l #	82
25) 2-Butanone	6.07	43	6628	3.425	ug/l #	64
31) Cyclohexane	7.04	56	20350	2.094	ug/l #	34
36) 1,1-Dichloropropene	7.04	75	70507	5.684	ug/l #	54
37) Ethyl Acetate	6.16	43	5063	Below Cal	#	1
38) Carbon Tetrachloride	7.04	117	91765	4.919	ug/l #	18
81) trans-1,4-Dichloro-2-buten	13.55	75	259765	173.466	ug/l #	2

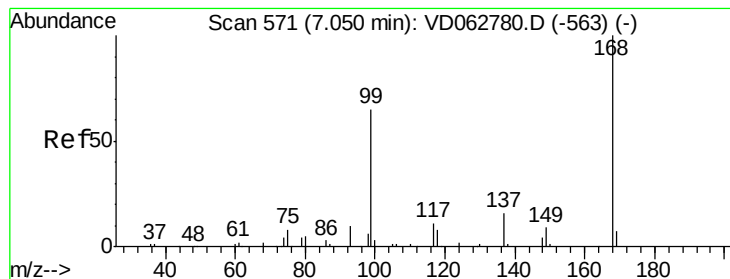
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD062993.D

Acq: 1 Jul 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

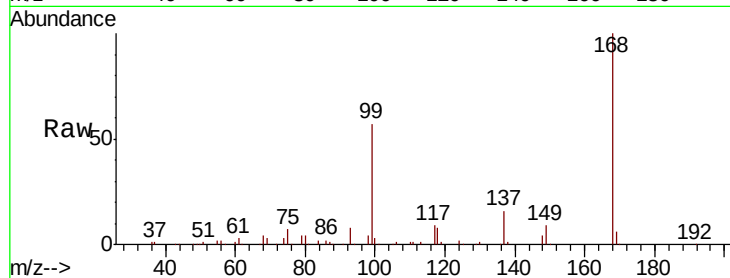
S-1-17-17.5-BGS

Tot Ion:168 Resp: 951970

Ion Ratio Lower Upper

168 100

99 57.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

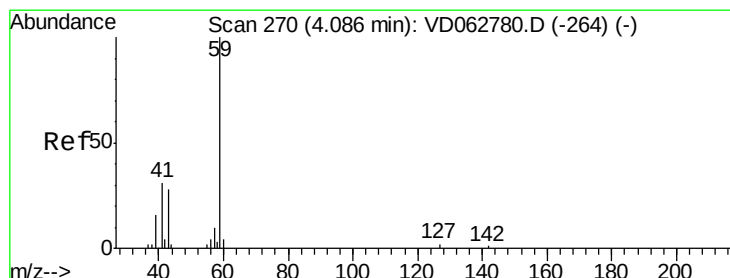
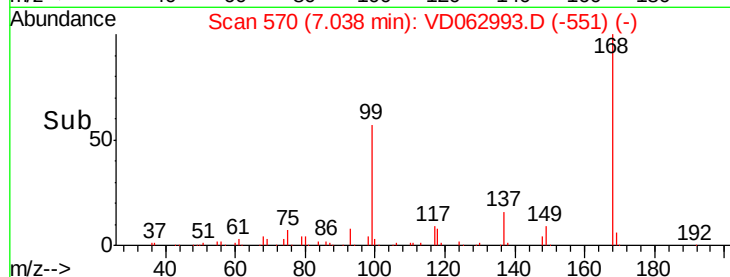
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 17.768 ug/l

RT: 3.98 min Scan# 259

Delta R.T. -0.11 min

Lab File: VD062993.D

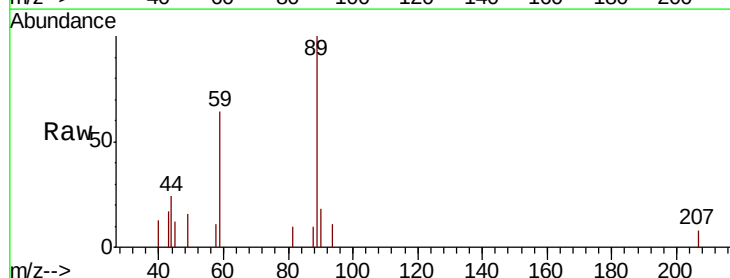
Acq: 1 Jul 2019 16:36

Tgt Ion: 59 Resp: 8374

Ion Ratio Lower Upper

59 100

57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.98

2500

2000

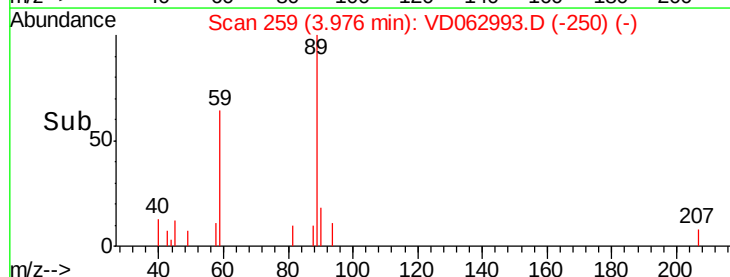
1500

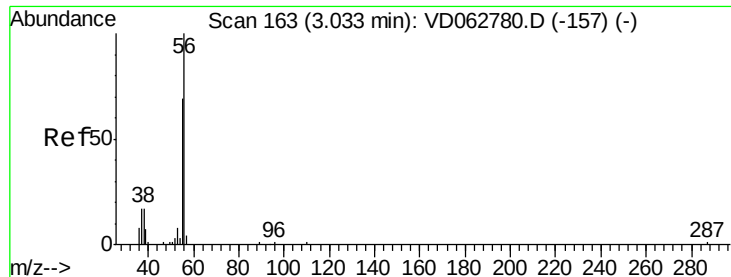
1000

500

0

Time-->





#13

Acrolein

Concen: 1.052 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD062993.D

Acq: 1 Jul 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

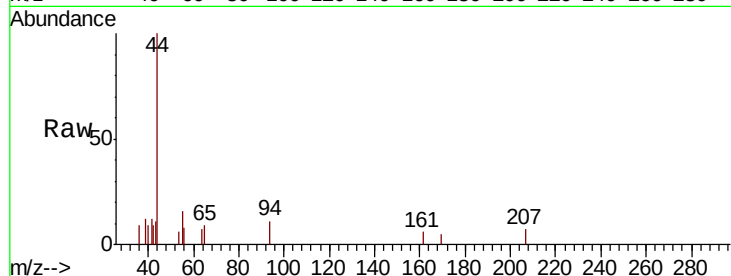
S-1-17-17.5-BGS

Tot Ion: 56 Resp: 506

Ion Ratio Lower Upper

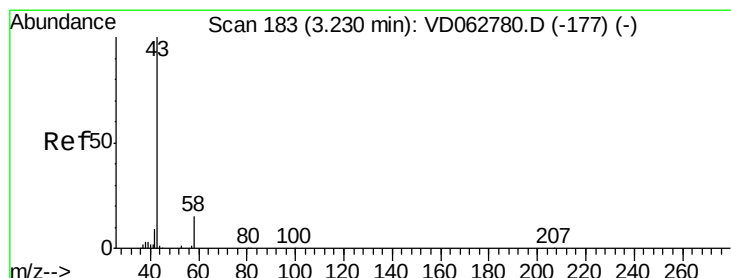
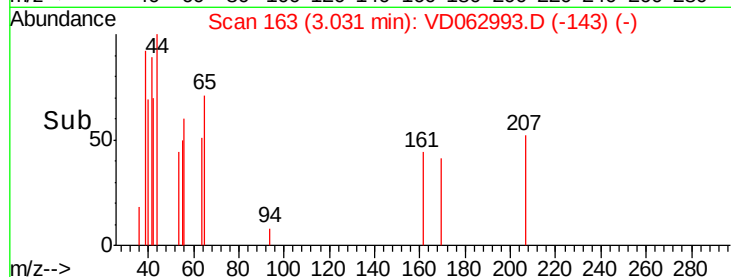
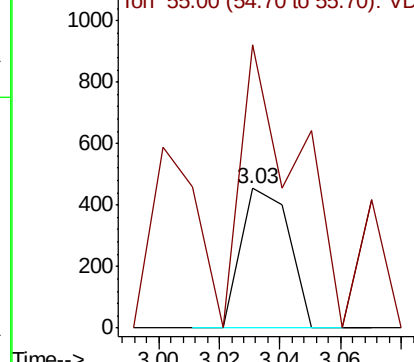
56 100

55 202.9 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 61.701 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062993.D

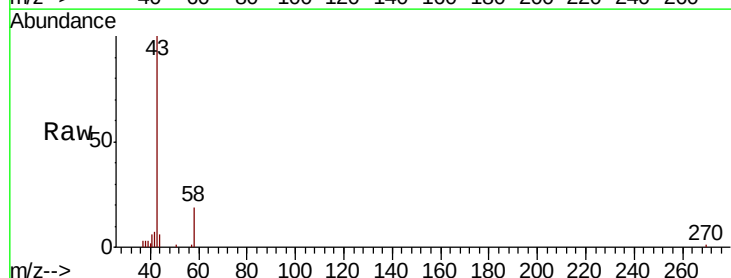
Acq: 1 Jul 2019 16:36

Tgt Ion: 43 Resp: 140532

Ion Ratio Lower Upper

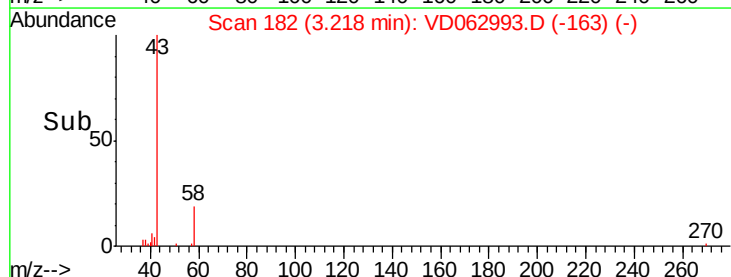
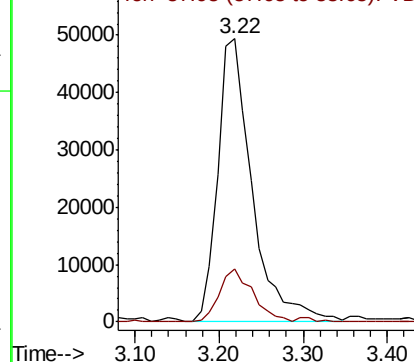
43 100

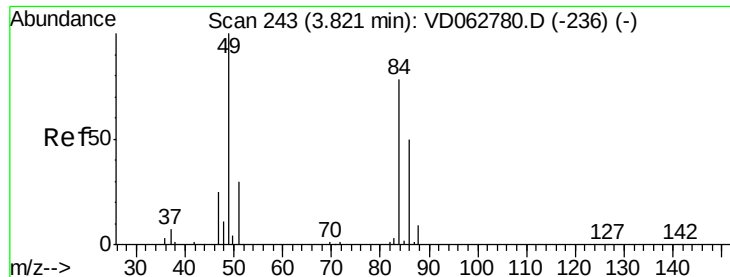
58 18.9 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

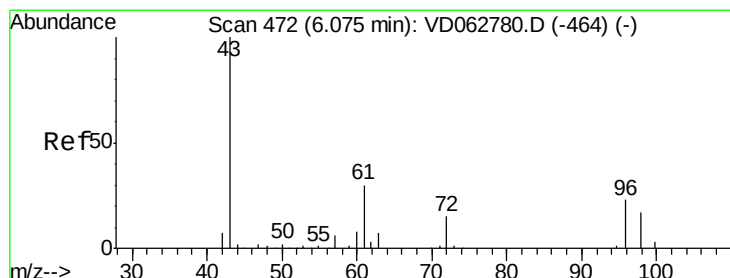
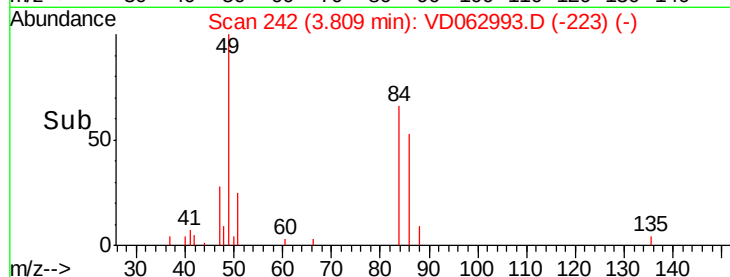
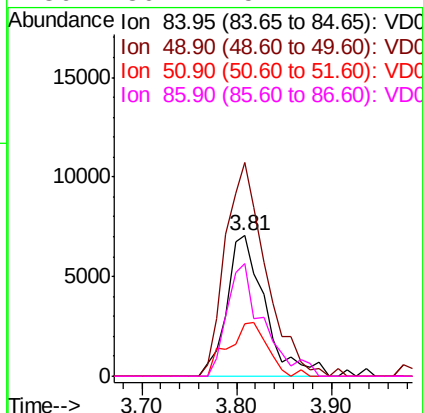
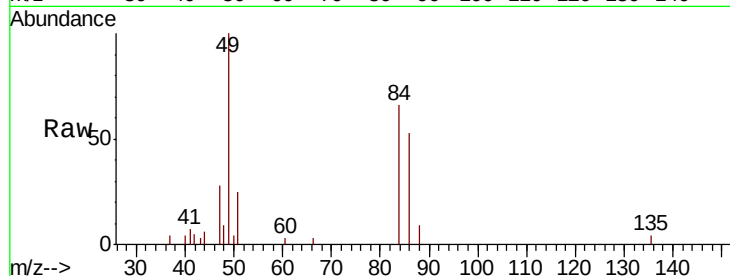




#20
Methylene Chloride
Concen: 2.492 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062993.D
Acq: 1 Jul 2019 16:36

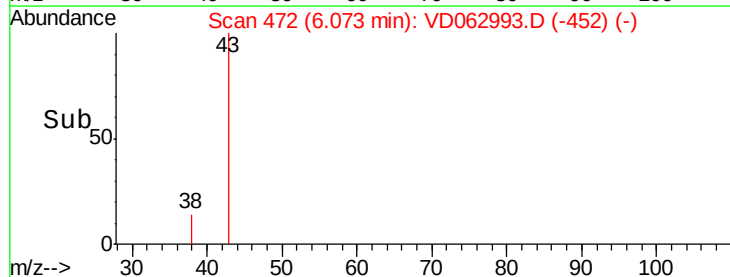
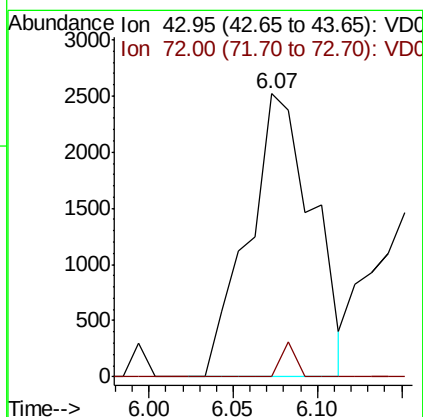
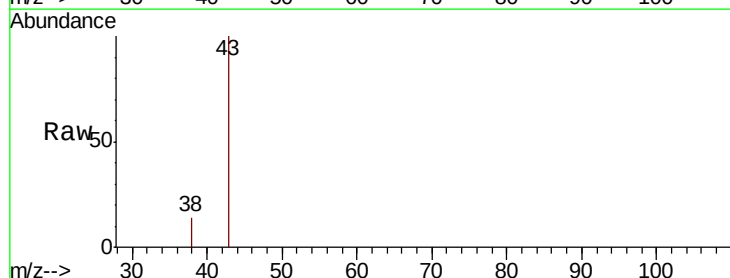
Instrument :
MSVOA_D
ClientSampleId :
S-1-17-17.5-BGS

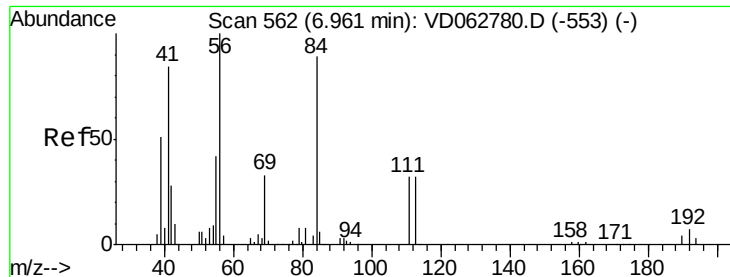
Tot Ion: 84 Resp: 19666
Ion Ratio Lower Upper
84 100
49 152.4 102.9 154.3
51 37.7 31.2 46.8
86 80.7 51.4 77.2#



#25
2-Butanone
Concen: 3.425 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.00 min
Lab File: VD062993.D
Acq: 1 Jul 2019 16:36

Tgt Ion: 43 Resp: 6628
Ion Ratio Lower Upper
43 100
72 0.0 11.9 17.9#

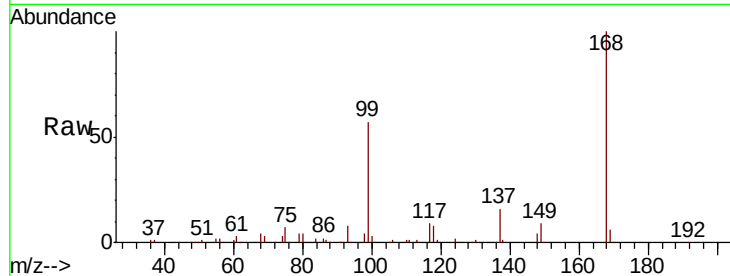




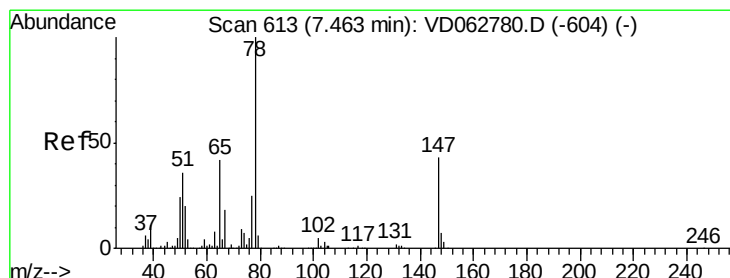
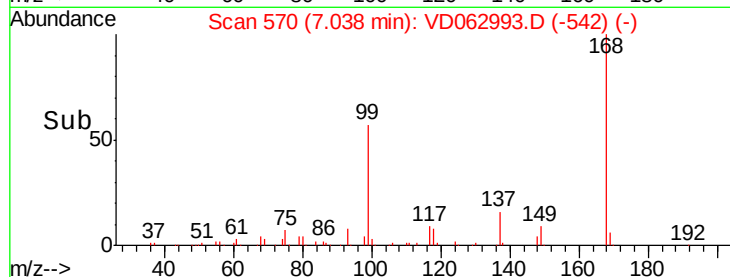
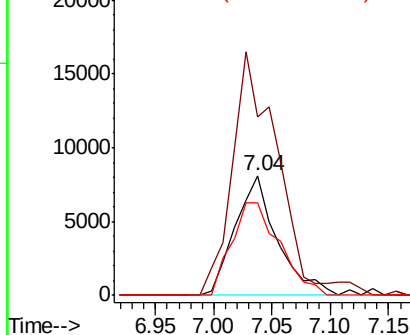
#31
Cyclohexane
Concen: 2.094 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.08 min
Lab File: VD062993.D
Acq: 1 Jul 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
S-1-17-17.5-BGS

Tot Ion: 56 Resp: 20350
Ion Ratio Lower Upper
56 100
69 149.0 26.6 39.8#
84 77.1 75.5 113.3

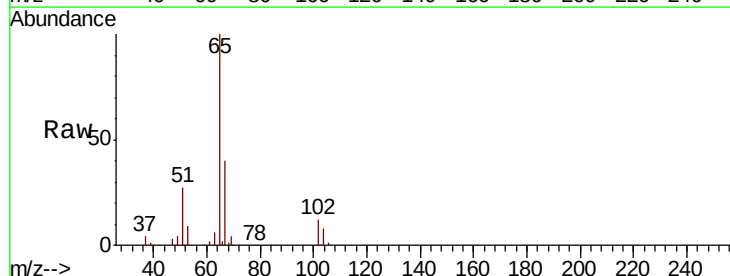


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

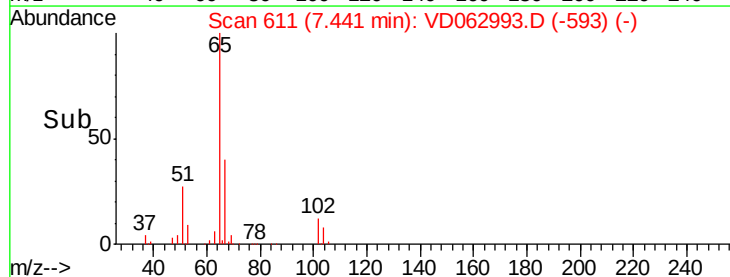
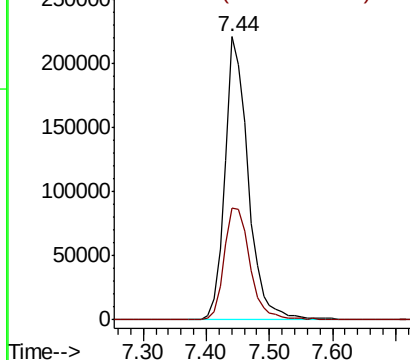


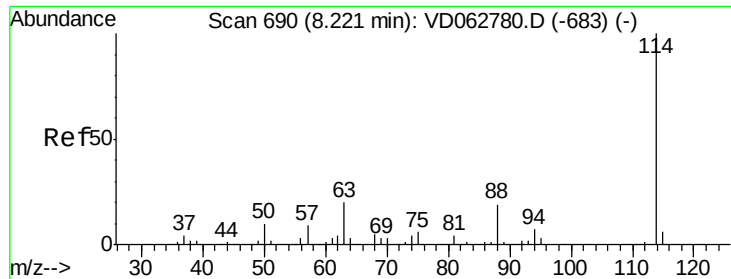
#33
1,2-Dichloroethane-d4
Concen: 54.364 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD062993.D
Acq: 1 Jul 2019 16:36

Tgt Ion: 65 Resp: 562550
Ion Ratio Lower Upper
65 100
67 39.6 0.0 87.4



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

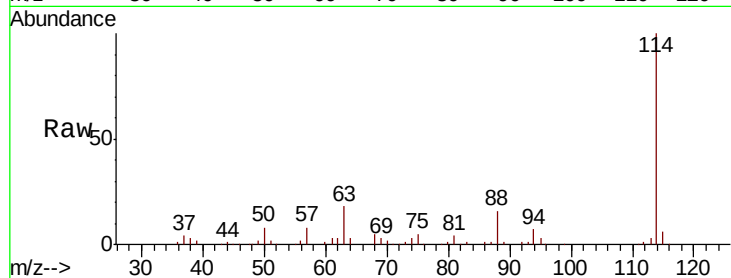




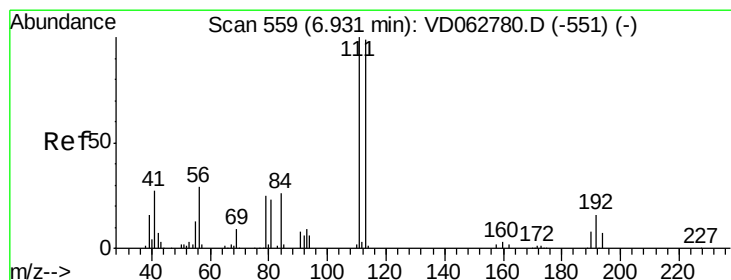
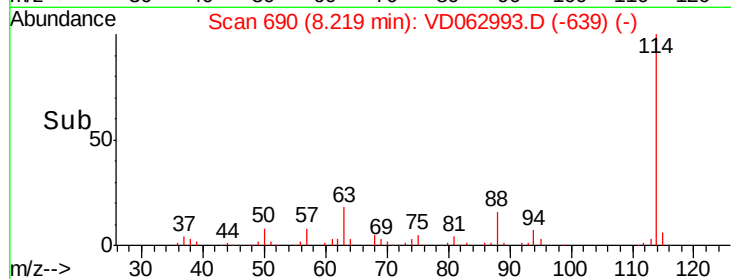
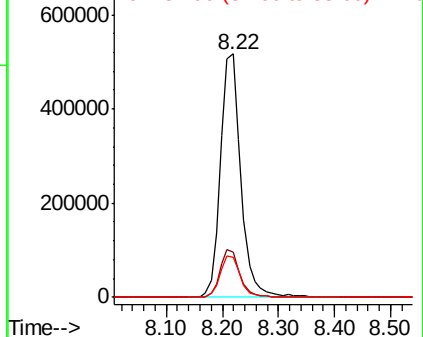
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062993.D
 Acq: 1 Jul 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 S-1-17-17.5-BGS

Tot Ion:114 Resp: 1310308
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 40.0
 88 16.4 0.0 38.8

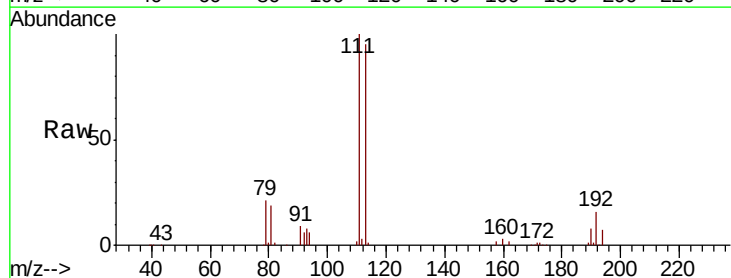


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

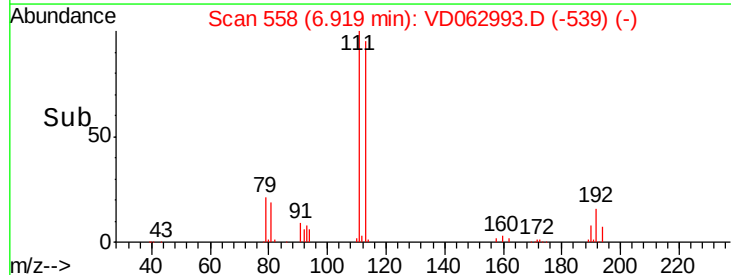
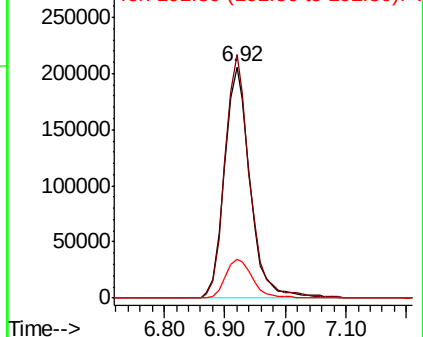


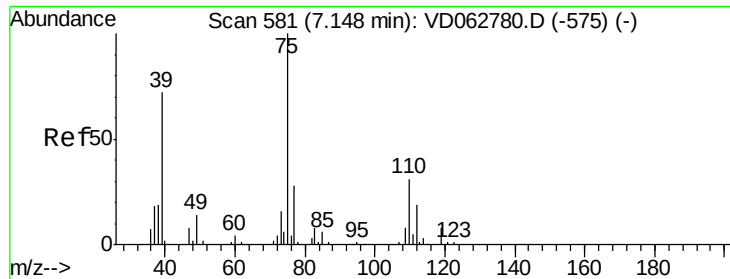
#35
 Dibromofluoromethane
 Concen: 54.623 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD062993.D
 Acq: 1 Jul 2019 16:36

Tgt Ion:113 Resp: 603495
 Ion Ratio Lower Upper
 113 100
 111 105.2 81.2 121.8
 192 16.7 12.9 19.3



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

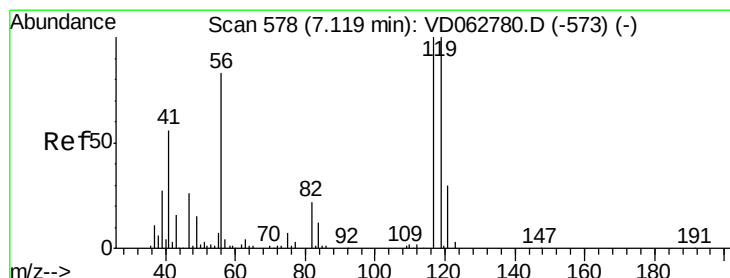
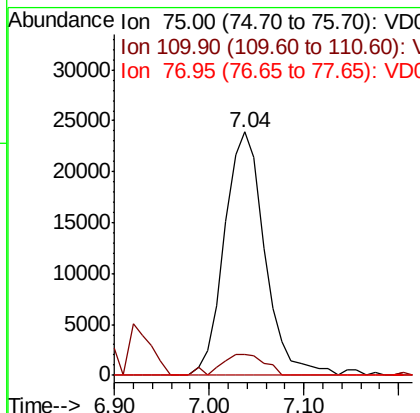
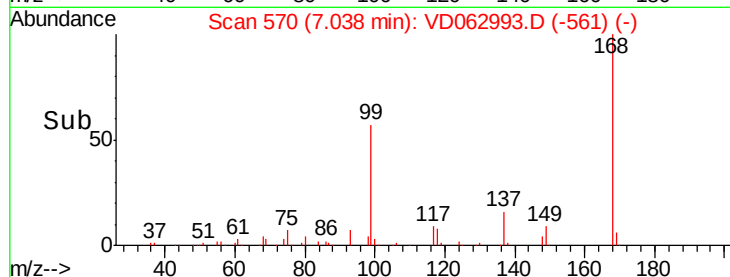
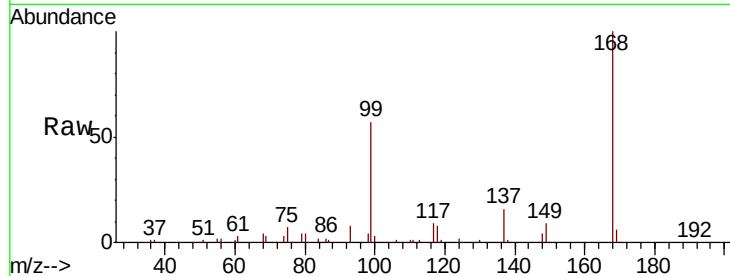




#36
 1,1-Dichloropropene
 Concen: 5.684 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD062993.D
 Acq: 1 Jul 2019 16:36

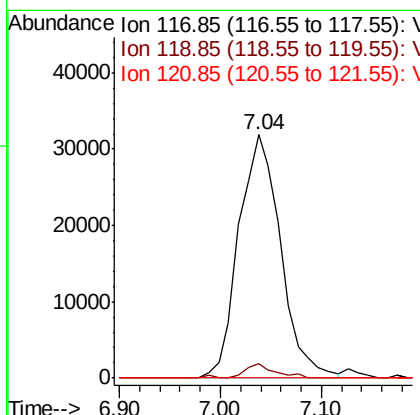
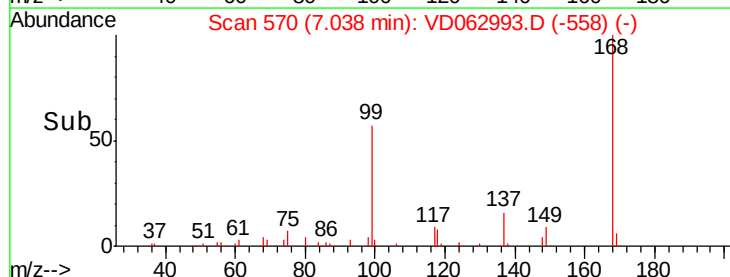
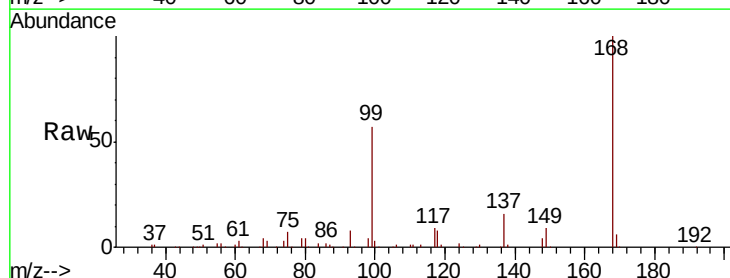
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 S-1-17-17.5-BGS

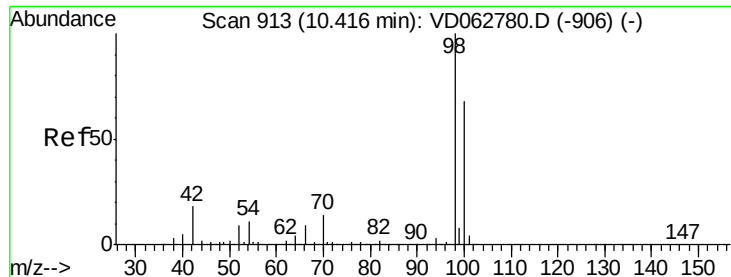
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.0	45.1#
77	0.0	22.2	33.2#



#38
 Carbon Tetrachloride
 Concen: 4.919 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD062993.D
 Acq: 1 Jul 2019 16:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	75.4	113.2#
121	0.0	22.3	33.5#

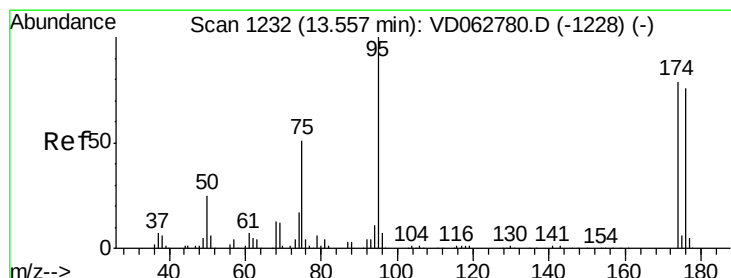
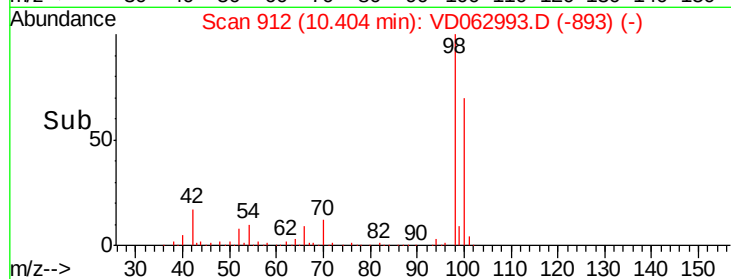
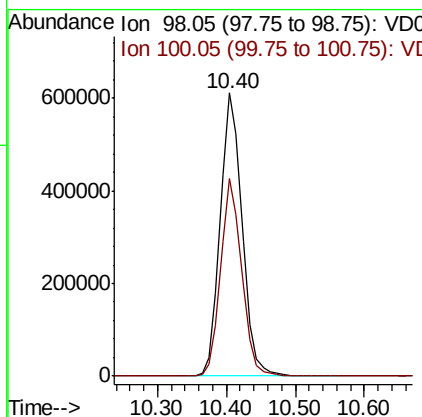
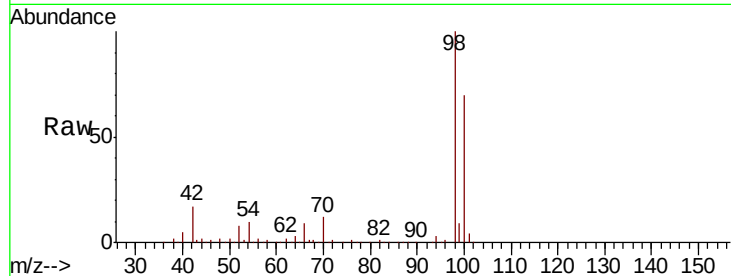




#50
Toluene-d8
Concen: 56.059 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062993.D
Acq: 1 Jul 2019 16:36

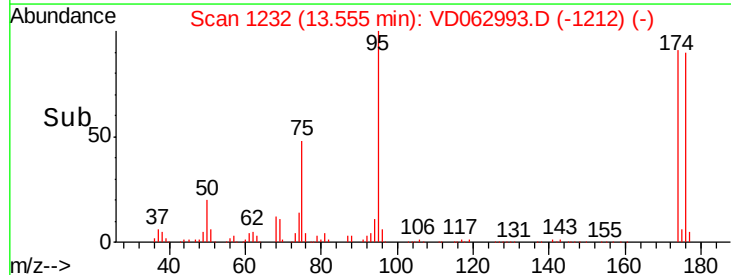
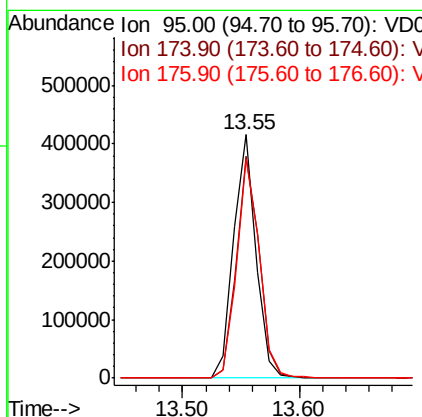
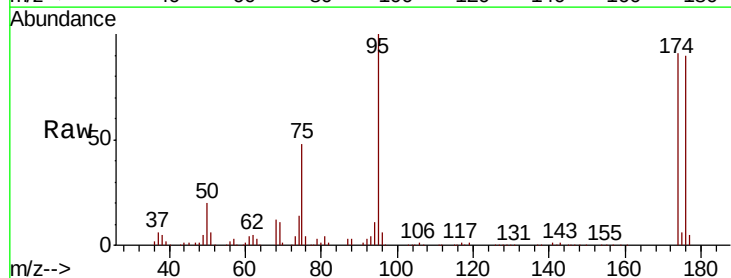
Instrument :
MSVOA_D
ClientSampleId :
S-1-17-17.5-BGS

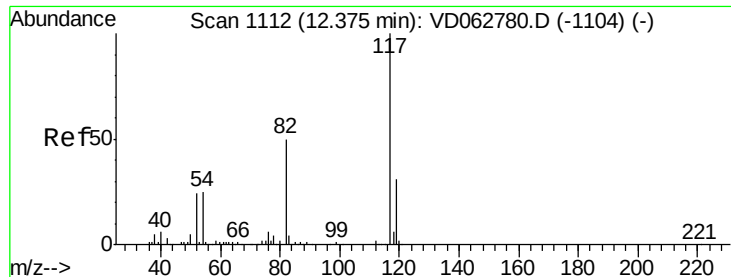
Tot Ion: 98 Resp: 1348035
Ion Ratio Lower Upper
98 100
100 69.9 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 50.453 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062993.D
Acq: 1 Jul 2019 16:36

Tgt Ion: 95 Resp: 551665
Ion Ratio Lower Upper
95 100
174 91.0 0.0 158.0
176 90.3 0.0 151.6

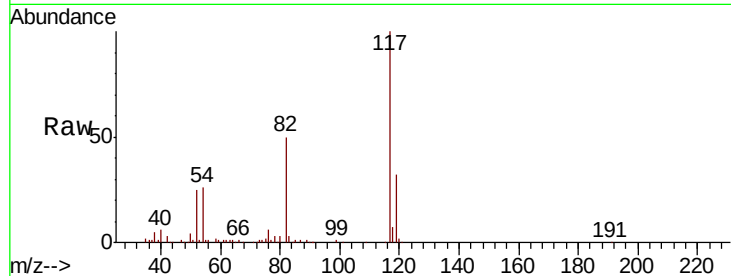




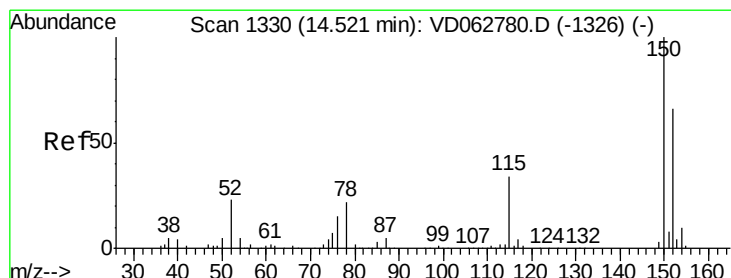
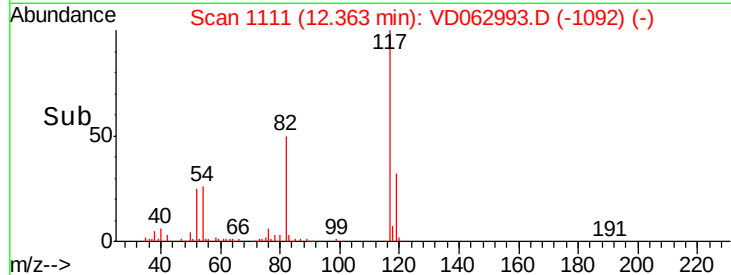
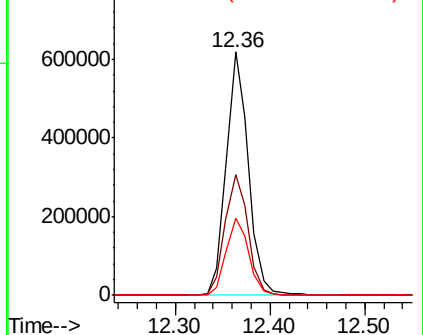
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062993.D
Acq: 1 Jul 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
S-1-17-17.5-BGS

Tot Ion:117 Resp: 1000127
Ion Ratio Lower Upper
117 100
82 49.8 40.4 60.6
119 31.9 25.2 37.8

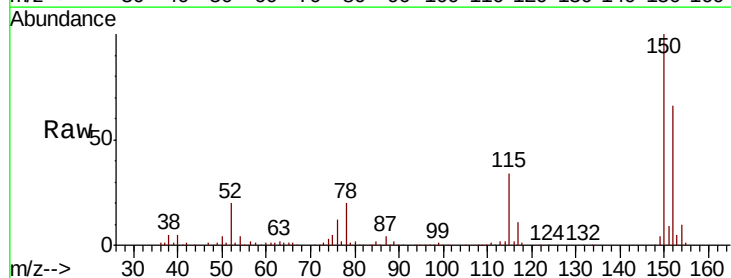


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

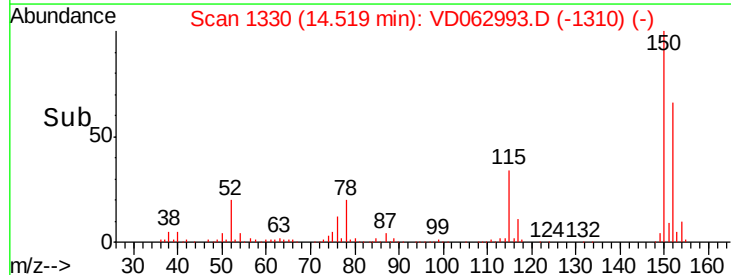
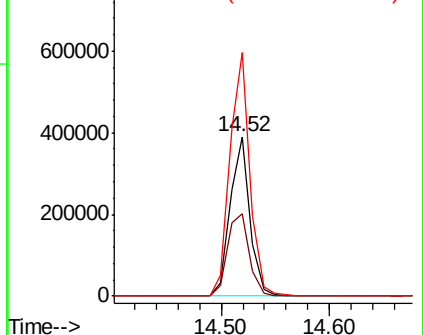


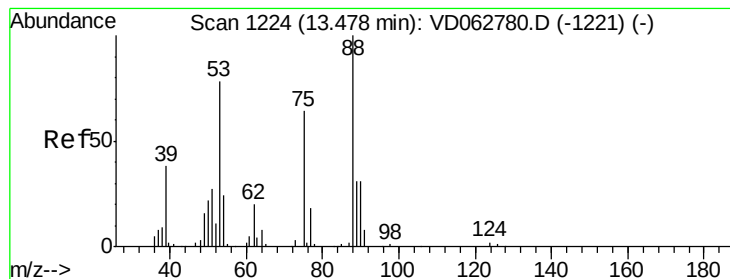
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062993.D
Acq: 1 Jul 2019 16:36

Tgt Ion:152 Resp: 494947
Ion Ratio Lower Upper
152 100
115 51.9 29.2 87.6
150 152.5 0.0 305.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 173.466 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062993.D

Acq: 1 Jul 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

S-1-17-17.5-BGS

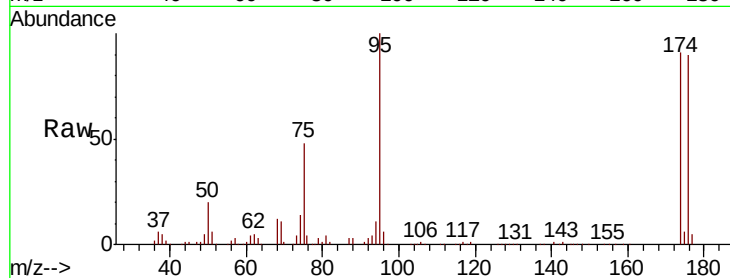
Tot Ion: 75 Resp: 259765

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

