

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062739.D
 Acq On : 17 Jun 2019 20:55
 Operator : VA/AP
 Sample : K3419-02
 Misc : 4.61g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-A

Quant Time: Jun 18 06:25:56 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	7.03	168	690184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	953337	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	795841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	437347	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	303065	30.43	ug/l	0.00
Spiked Amount			Recovery	=	60.86%	
35) Dibromofluoromethane	6.91	113	316599	31.49	ug/l	0.00
Spiked Amount			Recovery	=	62.98%	
50) Toluene-d8	10.40	98	591074	27.95	ug/l	-0.01
Spiked Amount			Recovery	=	55.90%	
62) 4-Bromofluorobenzene	13.55	95	281290	28.51	ug/l	0.00
Spiked Amount			Recovery	=	57.02%	

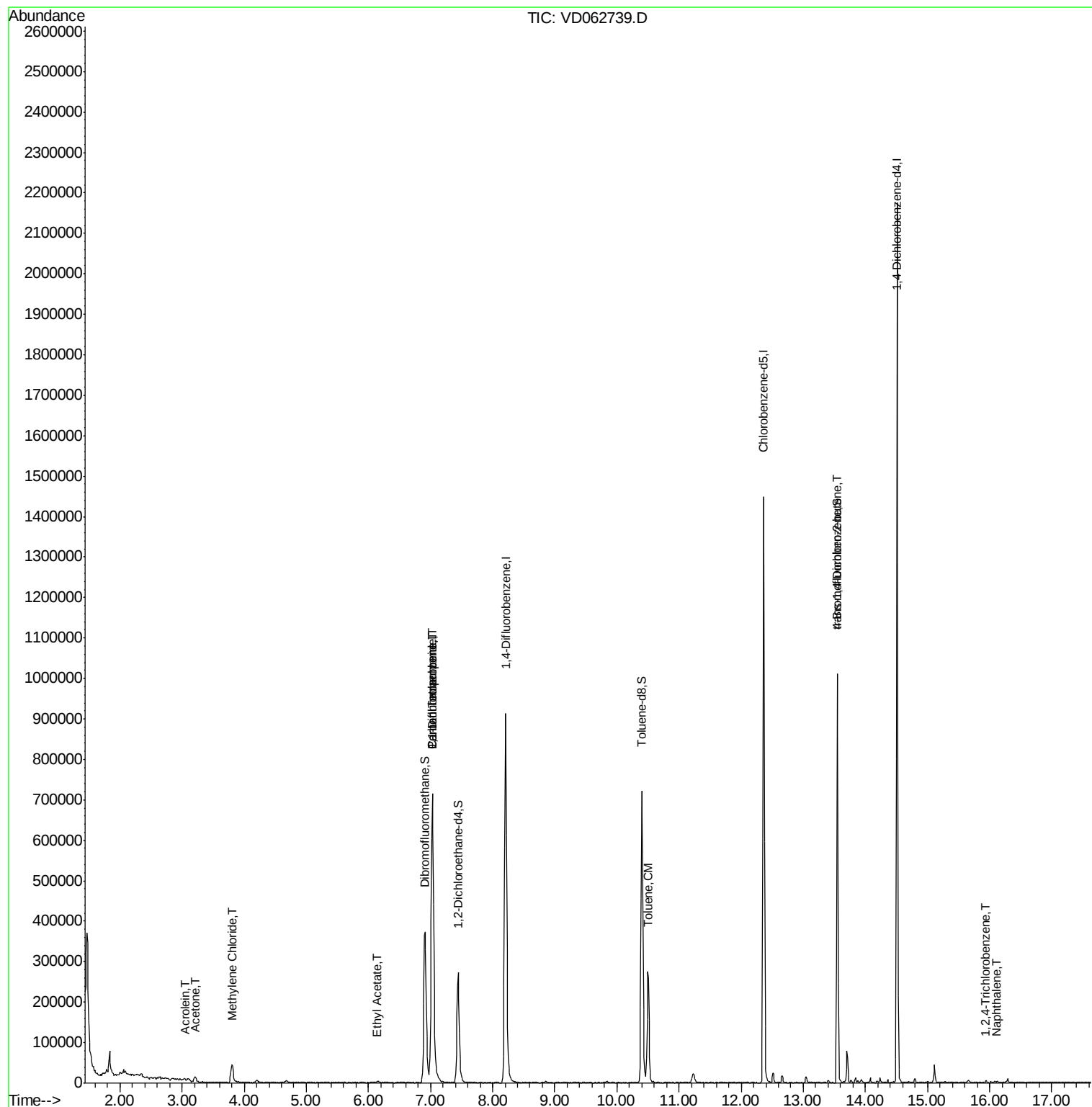
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	906	Below Cal	#	42
13) Acrolein	3.03	56	191	1.450	ug/l #	12
16) Acetone	3.21	43	28131	15.425	ug/l	97
20) Methylene Chloride	3.81	84	30344	3.997	ug/l #	74
36) 1,1-Dichloropropene	7.03	75	54150	4.963	ug/l #	53
37) Ethyl Acetate	6.13	43	217	1.246	ug/l #	74
38) Carbon Tetrachloride	7.03	117	70675	4.098	ug/l #	19
52) Toluene	10.50	92	128889	8.999	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.55	75	142424	78.574	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	987	3.650	ug/l #	38
95) Naphthalene	16.12	128	3011	3.626	ug/l #	77

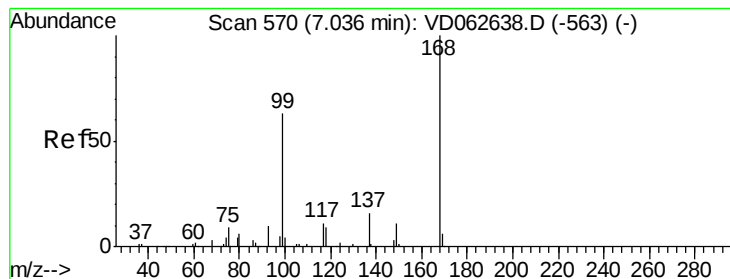
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061719\
Data File : VD062739.D
Acq On : 17 Jun 2019 20:55
Operator : VA/AP
Sample : K3419-02
Misc : 4.61q/5ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-A

Quant Time: Jun 18 06:25:56 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: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD062739.D

Acq: 17 Jun 2019 20:55

Instrument :

MSVOA_D

ClientSampleId :

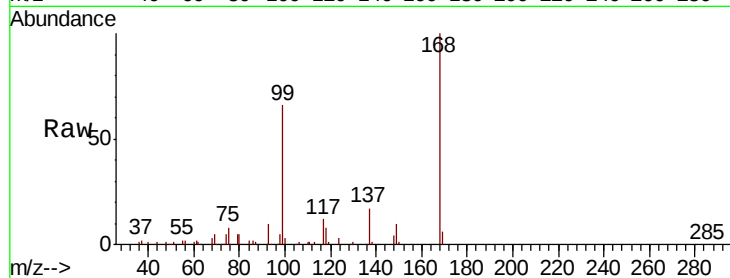
TP-A

Tot Ion:168 Resp: 690184

Ion Ratio Lower Upper

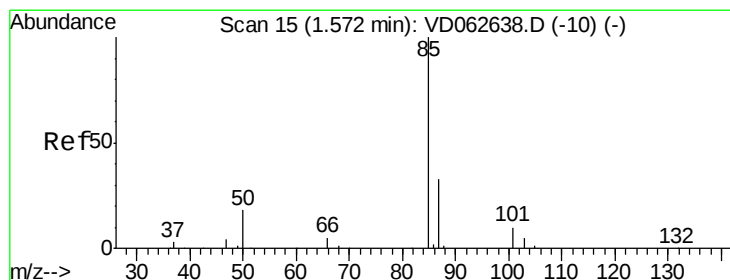
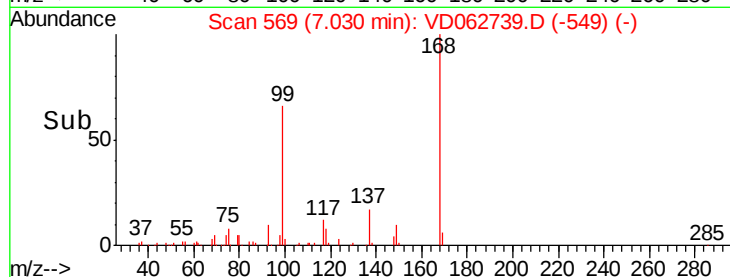
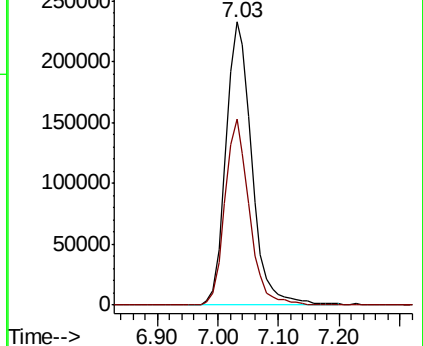
168 100

99 65.9 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: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD062739.D

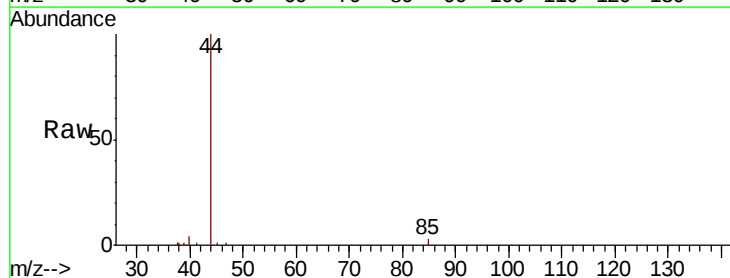
Acq: 17 Jun 2019 20:55

Tgt Ion: 85 Resp: 906

Ion Ratio Lower Upper

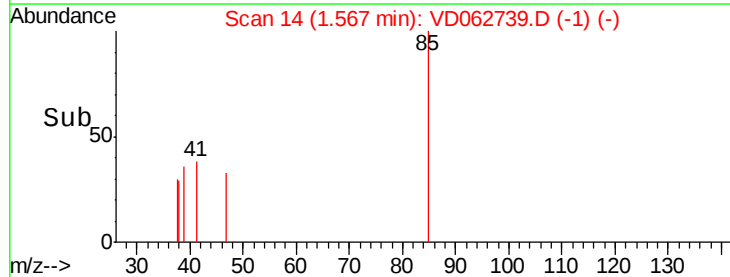
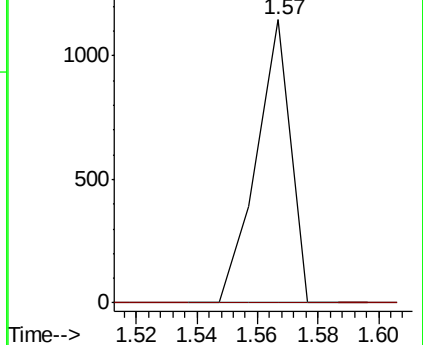
85 100

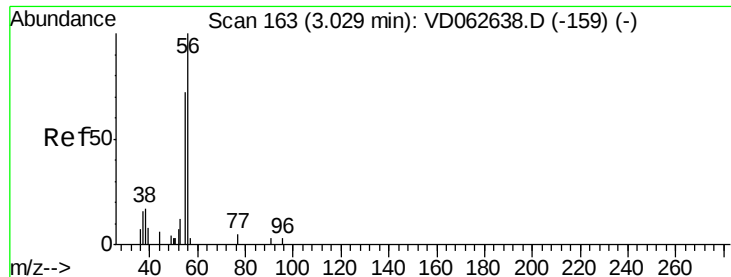
87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#13

Acrolein

Concen: 1.450 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD062739.D

Acq: 17 Jun 2019 20:55

Instrument :

MSVOA_D

ClientSampleId :

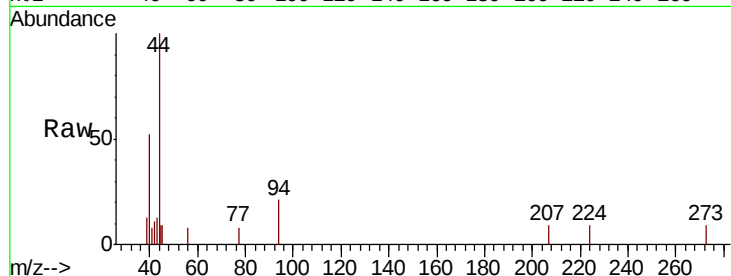
TP-A

Tot Ion: 56 Resp: 191

Ion Ratio Lower Upper

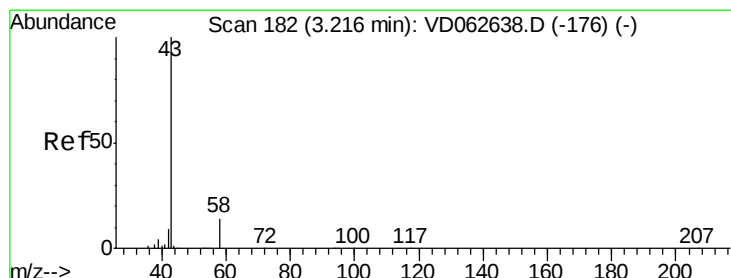
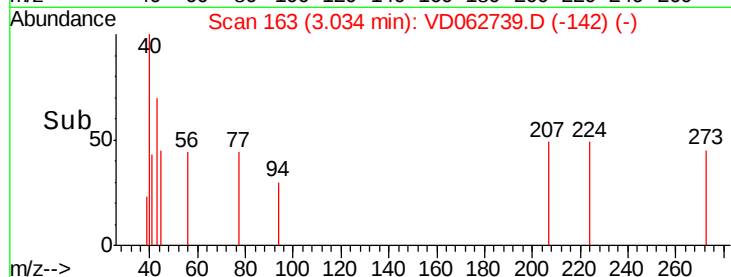
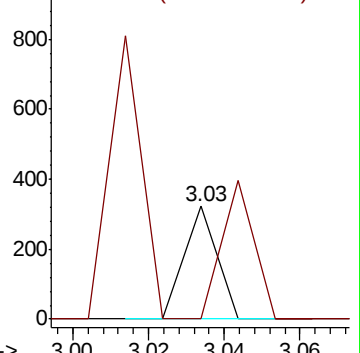
56 100

55 0.0 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: 15.425 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD062739.D

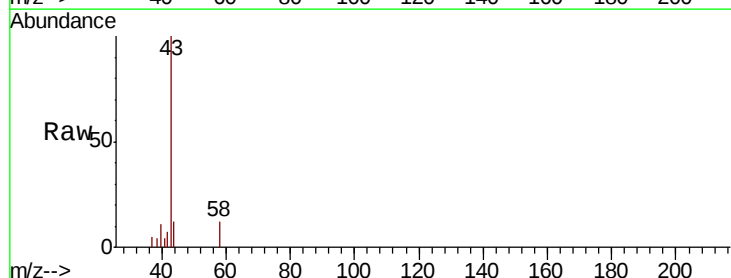
Acq: 17 Jun 2019 20:55

Tgt Ion: 43 Resp: 28131

Ion Ratio Lower Upper

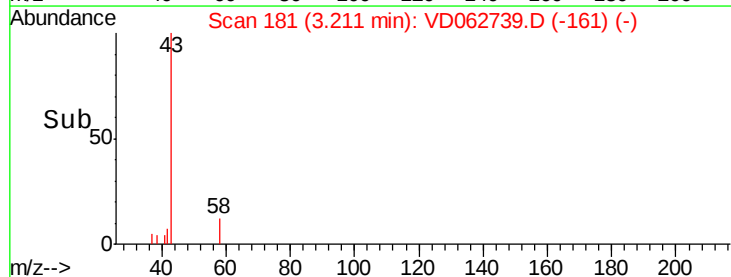
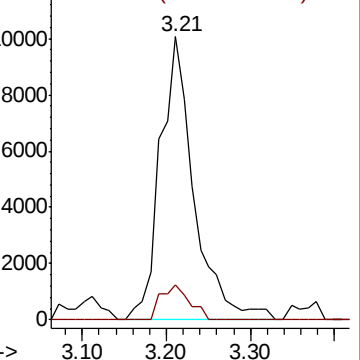
43 100

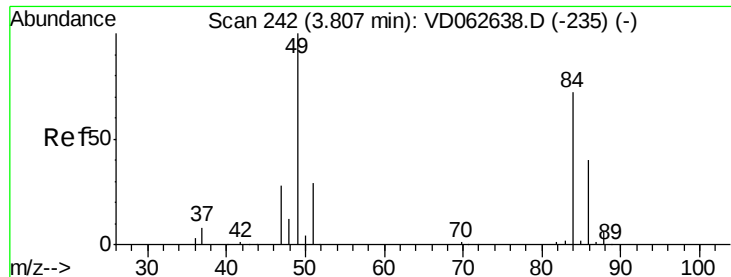
58 12.4 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

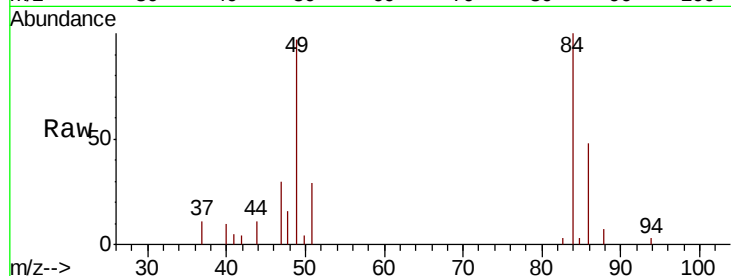




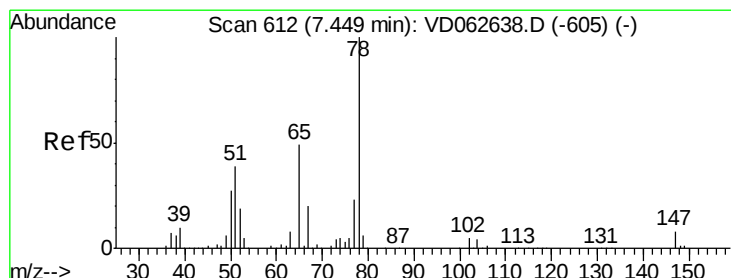
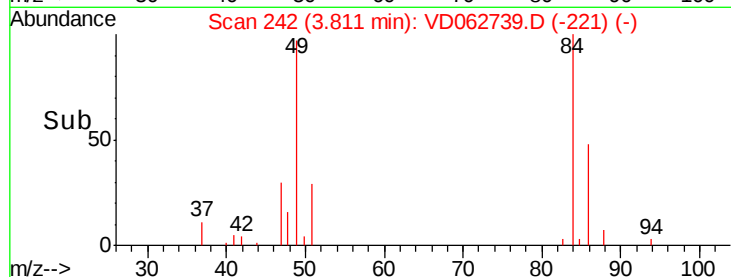
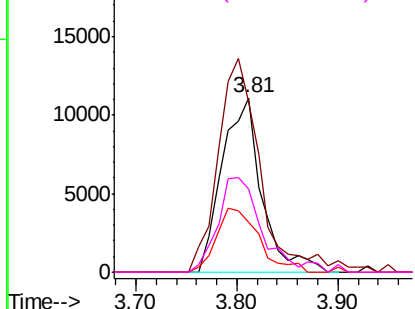
#20
Methvlene Chloride
Concen: 3.997 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062739.D
Acq: 17 Jun 2019 20:55

Instrument :
MSVOA_D
ClientSampleId :
TP-A

Tot Ion: 84 Resp: 30344
Ion Ratio Lower Upper
84 100
49 97.3 111.2 166.8#
51 28.7 31.9 47.9#
86 48.0 44.7 67.1

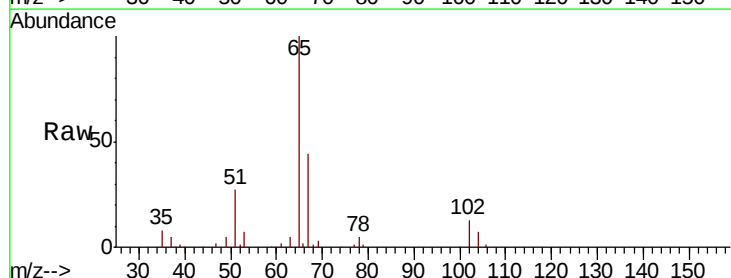


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

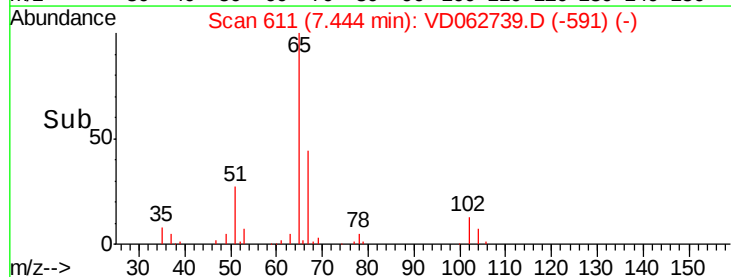
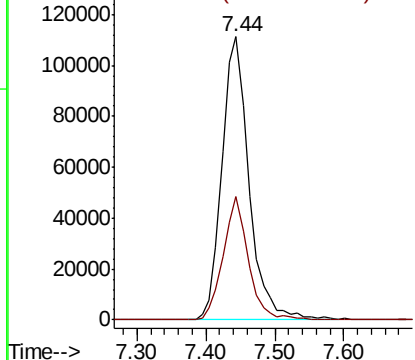


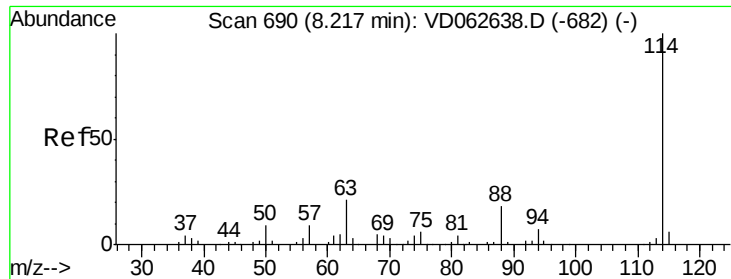
#33
1,2-Dichloroethane-d4
Concen: 30.430 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062739.D
Acq: 17 Jun 2019 20:55

Tgt Ion: 65 Resp: 303065
Ion Ratio Lower Upper
65 100
67 43.6 0.0 81.8



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

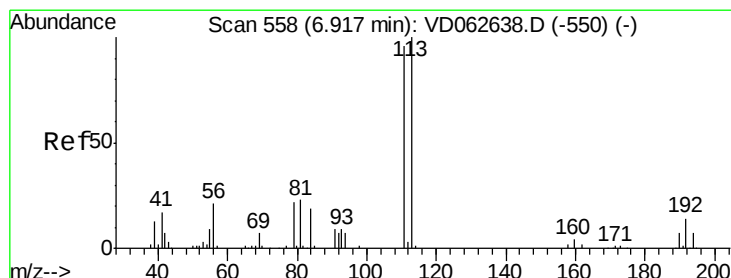
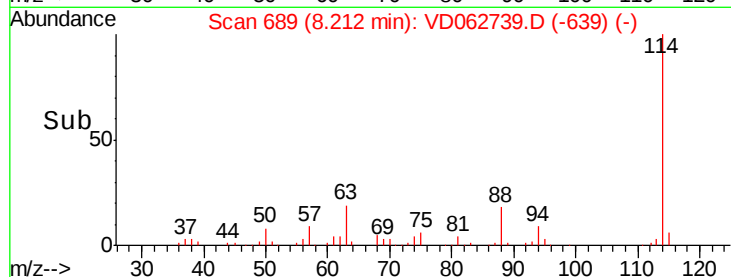
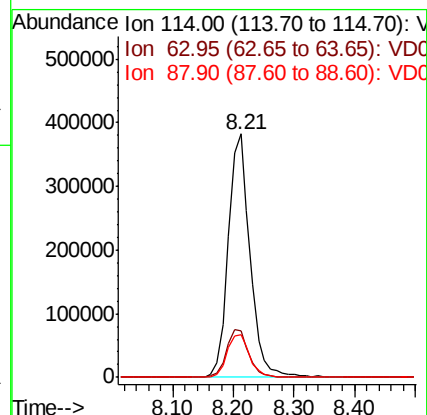
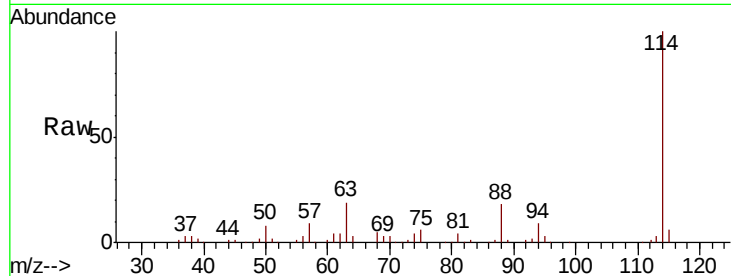




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062739.D
 Acq: 17 Jun 2019 20:55

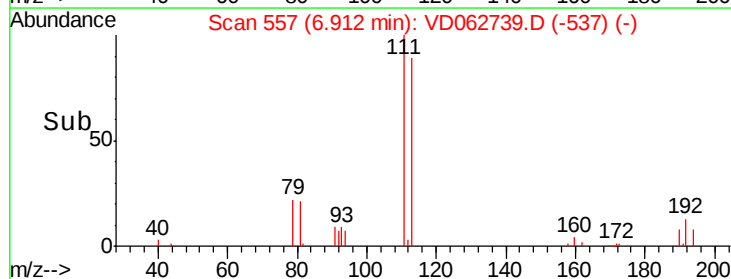
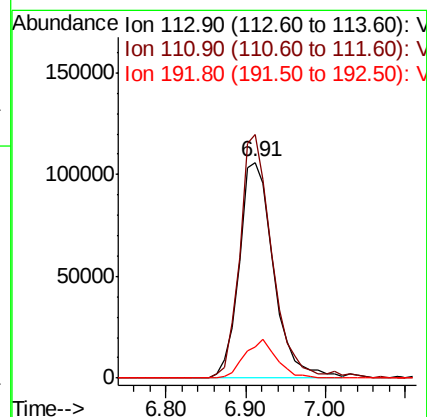
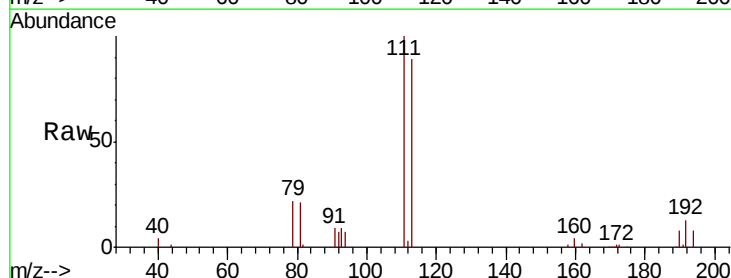
Instrument :
 MSVOA_D
 ClientSampled :
 TP-A

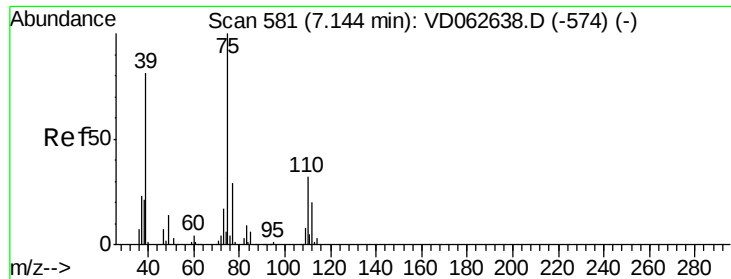
Tot Ion:114 Resp: 953337
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.4
 88 17.7 0.0 36.8



#35
 Dibromofluoromethane
 Concen: 31.489 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD062739.D
 Acq: 17 Jun 2019 20:55

Tgt Ion:113 Resp: 316599
 Ion Ratio Lower Upper
 113 100
 111 112.8 76.4 114.6
 192 14.3 11.4 17.0





#36

1,1-Dichloropropene

Concen: 4.963 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.11 min

Lab File: VD062739.D

Acq: 17 Jun 2019 20:55

Instrument :

MSVOA_D

ClientSampleId :

TP-A

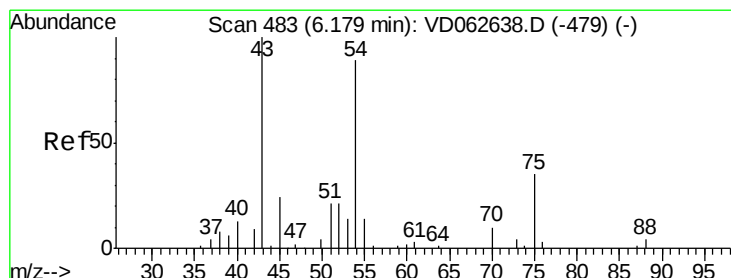
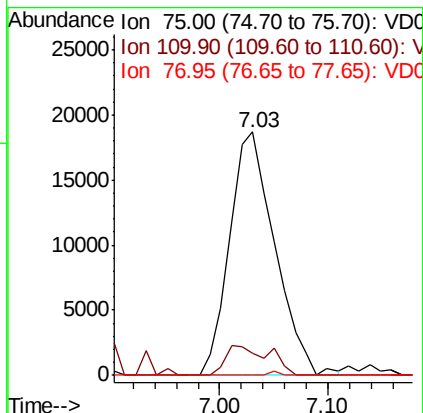
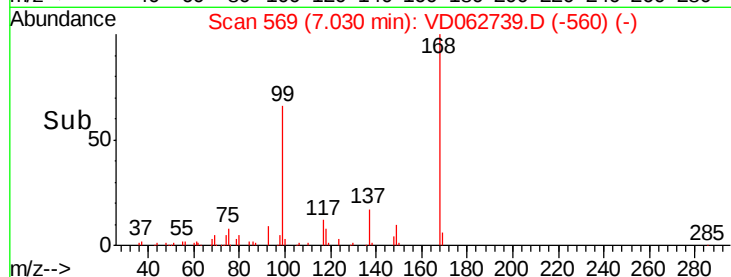
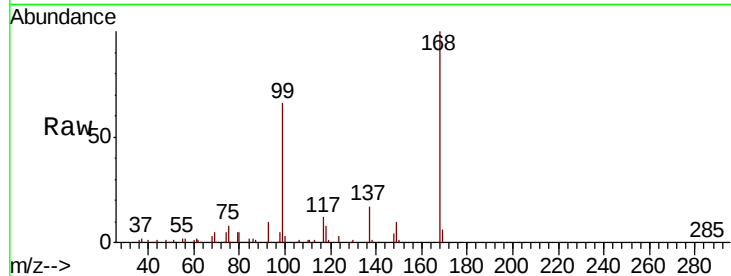
Tot Ion: 75 Resp: 54150

Ion Ratio Lower Upper

75 100

110 9.3 15.9 47.7#

77 0.0 23.3 34.9#



#37

Ethyl Acetate

Concen: 1.246 ug/l

RT: 6.13 min Scan# 478

Delta R.T. -0.04 min

Lab File: VD062739.D

Acq: 17 Jun 2019 20:55

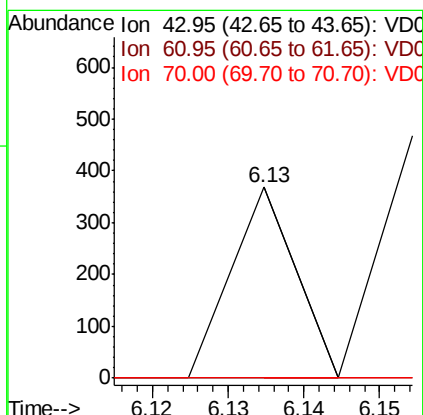
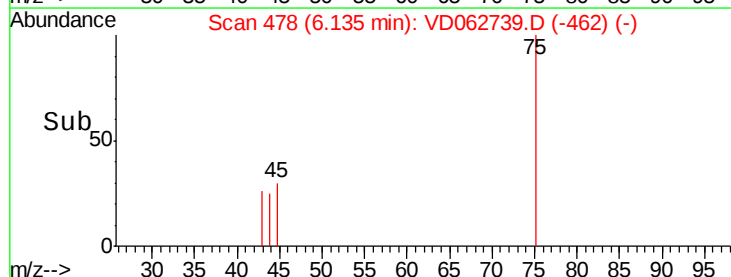
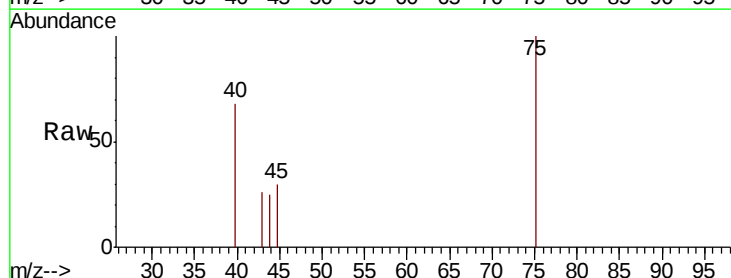
Tgt Ion: 43 Resp: 217

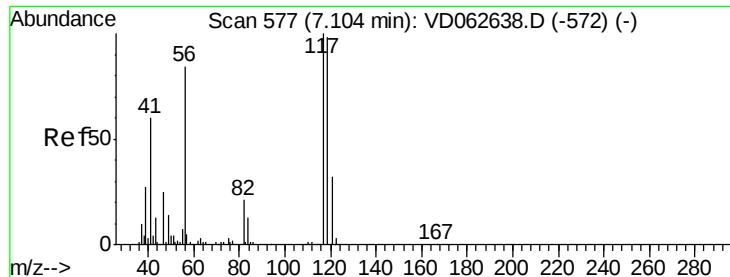
Ion Ratio Lower Upper

43 100

61 0.0 8.7 13.1#

70 0.0 6.5 9.7#





#38

Carbon Tetrachloride

Concen: 4.098 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD062739.D

Acq: 17 Jun 2019 20:55

Instrument :

MSVOA_D

ClientSampleId :

TP-A

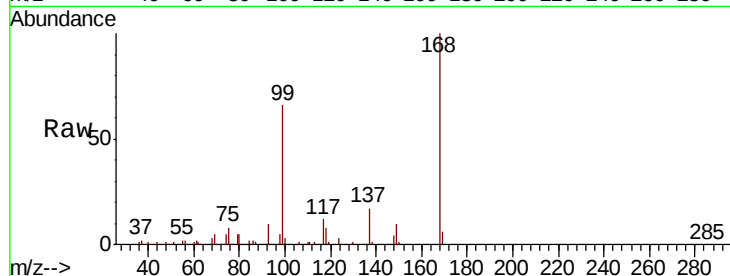
Tot Ion:117 Resp: 70675

Ion Ratio Lower Upper

117 100

119 6.2 73.5 110.3#

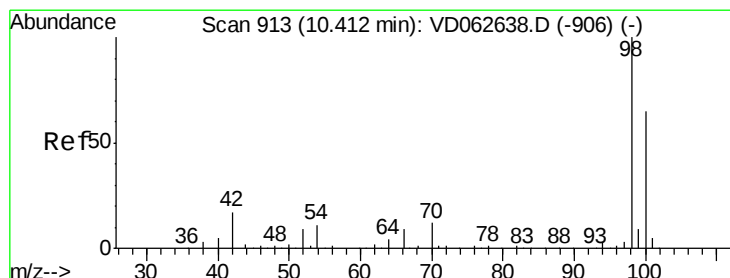
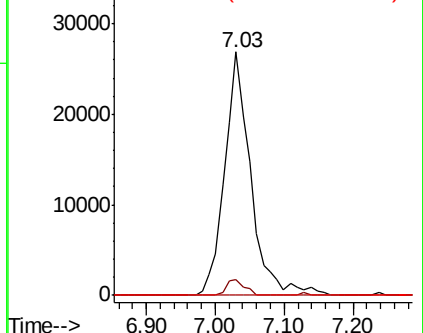
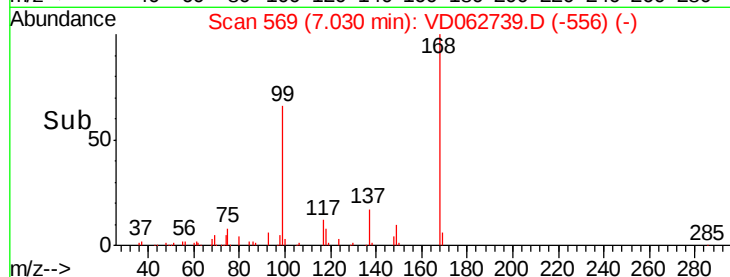
121 0.0 24.2 36.4#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: 27.946 ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD062739.D

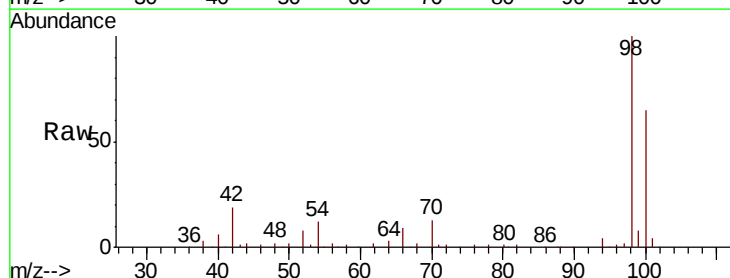
Acq: 17 Jun 2019 20:55

Tgt Ion: 98 Resp: 591074

Ion Ratio Lower Upper

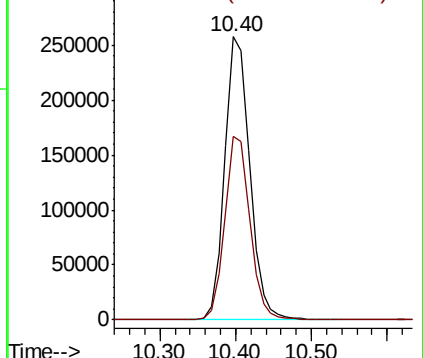
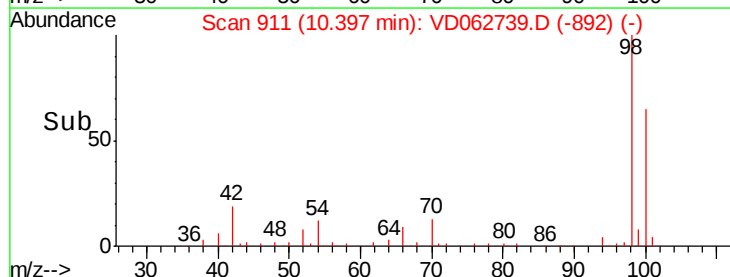
98 100

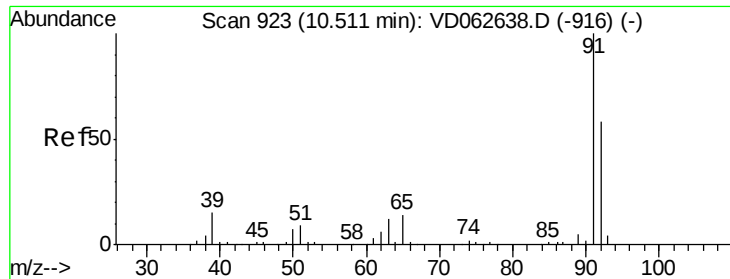
100 64.6 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 8.999 ug/l

RT: 10.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD062739.D

Acq: 17 Jun 2019 20:55

Instrument :

MSVOA_D

ClientSampleId :

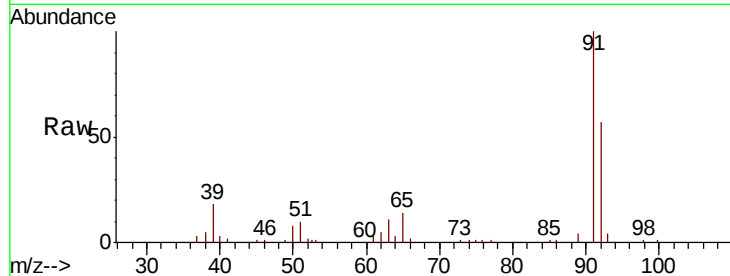
TP-A

Tot Ion: 92 Resp: 128889

Ion Ratio Lower Upper

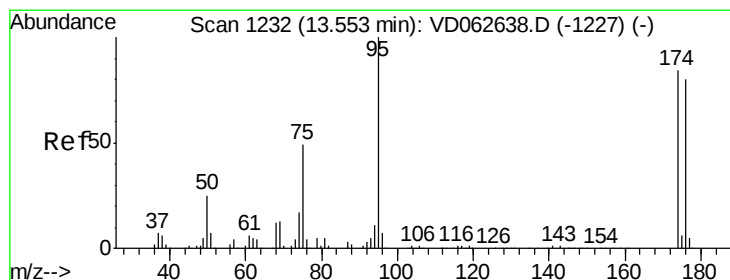
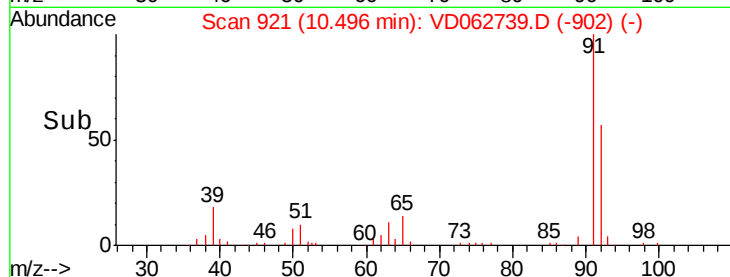
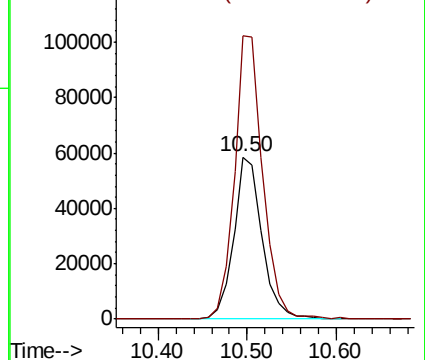
92 100

91 174.4 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 28.507 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062739.D

Acq: 17 Jun 2019 20:55

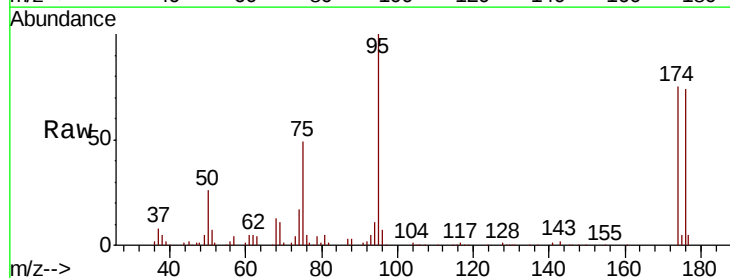
Tgt Ion: 95 Resp: 281290

Ion Ratio Lower Upper

95 100

174 75.4 0.0 167.0

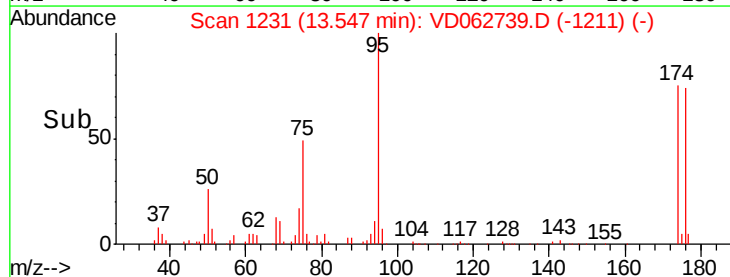
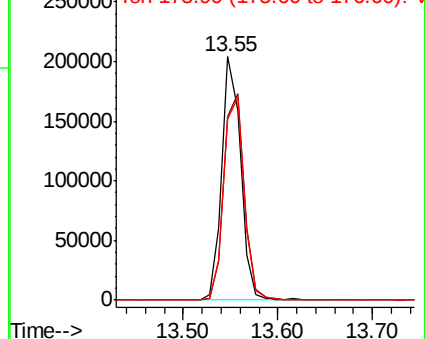
176 74.4 0.0 159.2

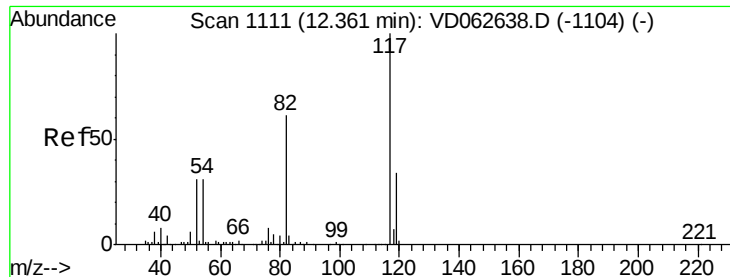


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

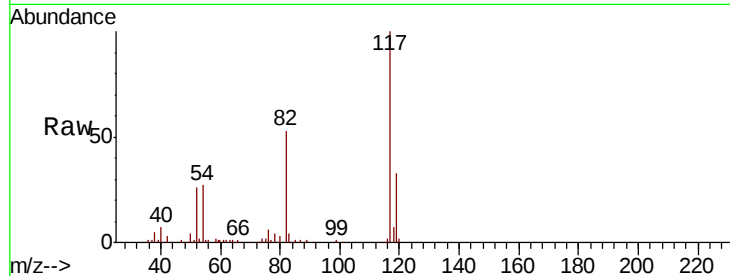




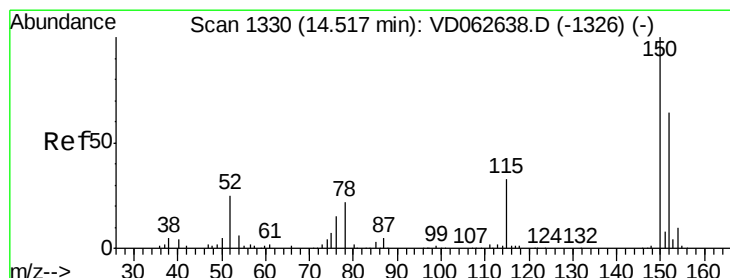
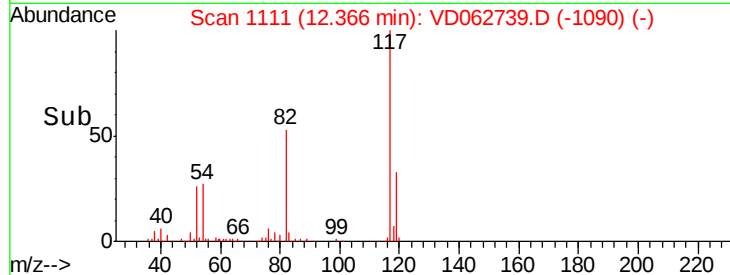
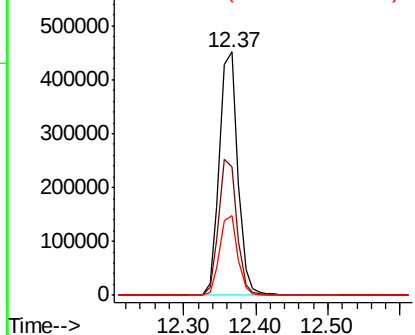
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062739.D
Acq: 17 Jun 2019 20:55

Instrument :
MSVOA_D
ClientSampleId :
TP-A

Tot Ion:117 Resp: 795841
Ion Ratio Lower Upper
117 100
82 52.6 48.7 73.1
119 32.9 27.0 40.6

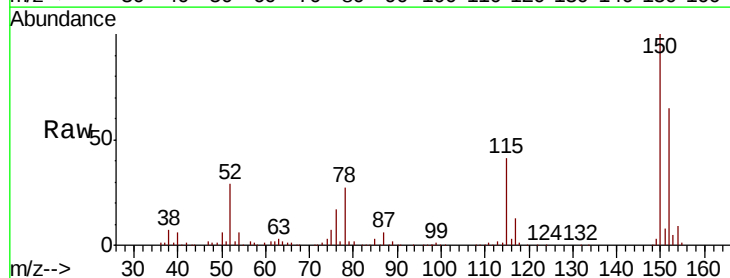


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

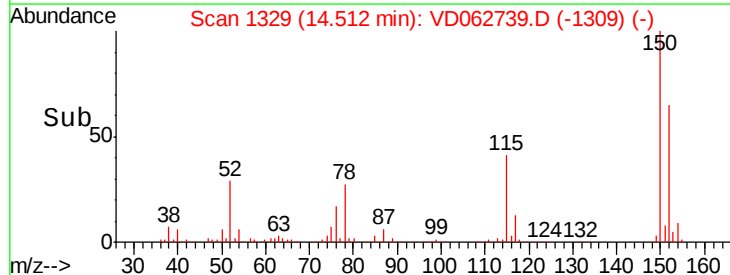
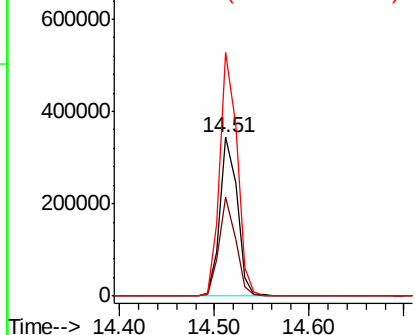


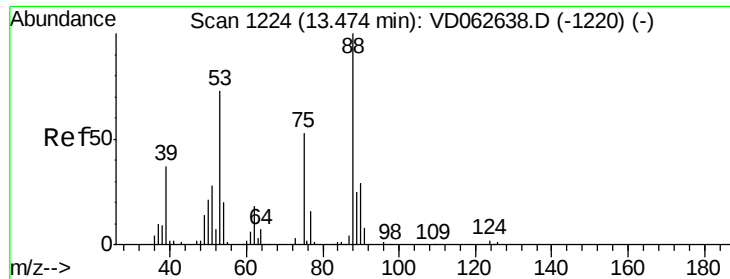
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062739.D
Acq: 17 Jun 2019 20:55

Tgt Ion:152 Resp: 437347
Ion Ratio Lower Upper
152 100
115 62.6 30.1 90.5
150 153.6 0.0 314.0



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: 78.574 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062739.D

Acq: 17 Jun 2019 20:55

Instrument :

MSVOA_D

ClientSampleId :

TP-A

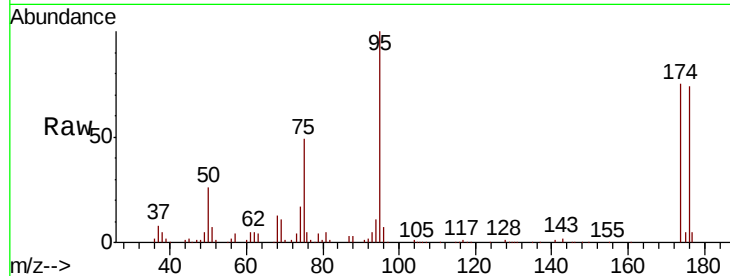
Tot Ion: 75 Resp: 142424

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

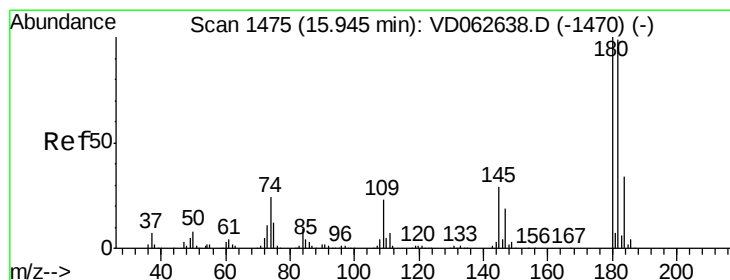
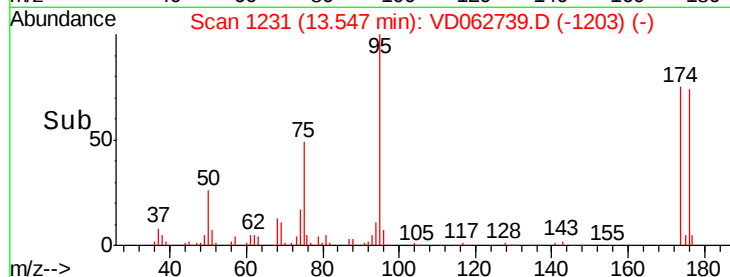
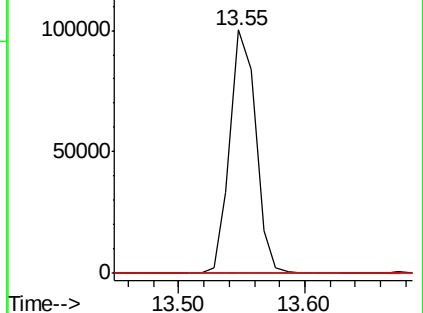
89 0.0 37.0 55.6#



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: 3.650 ug/l

RT: 15.94 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VD062739.D

Acq: 17 Jun 2019 20:55

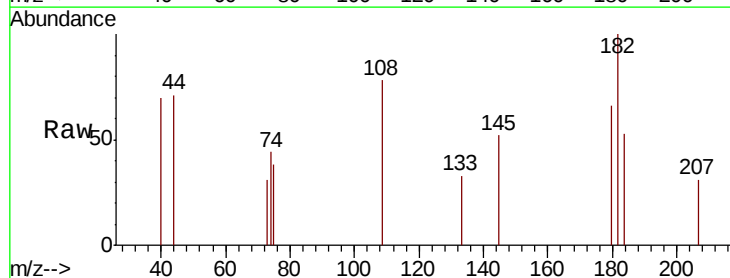
Tgt Ion:180 Resp: 987

Ion Ratio Lower Upper

180 100

182 151.3 49.4 148.2#

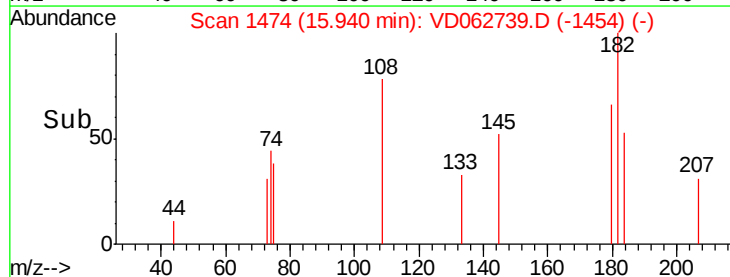
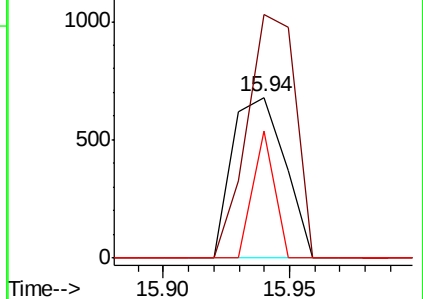
145 79.0 14.5 43.6#

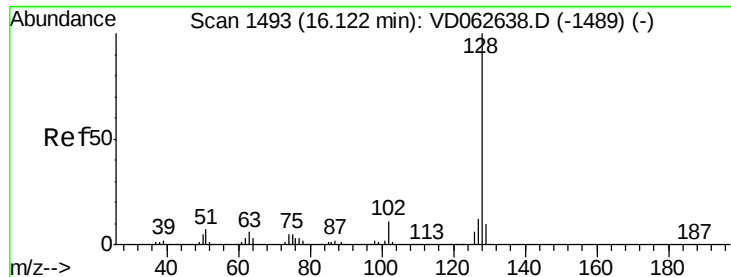


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95
 Naphthalene
 Concen: 3.626 ug/l
 RT: 16.12 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VD062739.D
 Acq: 17 Jun 2019 20:55

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-A

Tot Ion:128 Resp: 3011
 Ion Ratio Lower Upper
 128 100
 127 19.7 9.7 14.5#
 129 0.0 8.1 12.1#

