

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062842.D
 Acq On : 24 Jun 2019 16:04
 Operator : VA/AP
 Sample : K3499-04
 Misc : 5.37g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-4(8-9)

Quant Time: Jun 25 05:04:12 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	7.06	168	734305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	952689	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	797520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	438410	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	457411	57.31	ug/l	0.00
Spiked Amount			Recovery	=	114.62%	
35) Dibromofluoromethane	6.93	113	491017	61.12	ug/l	0.00
Spiked Amount			Recovery	=	122.24%	
50) Toluene-d8	10.41	98	1003230	57.38	ug/l	0.00
Spiked Amount			Recovery	=	114.76%	
62) 4-Bromofluorobenzene	13.56	95	430916	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	

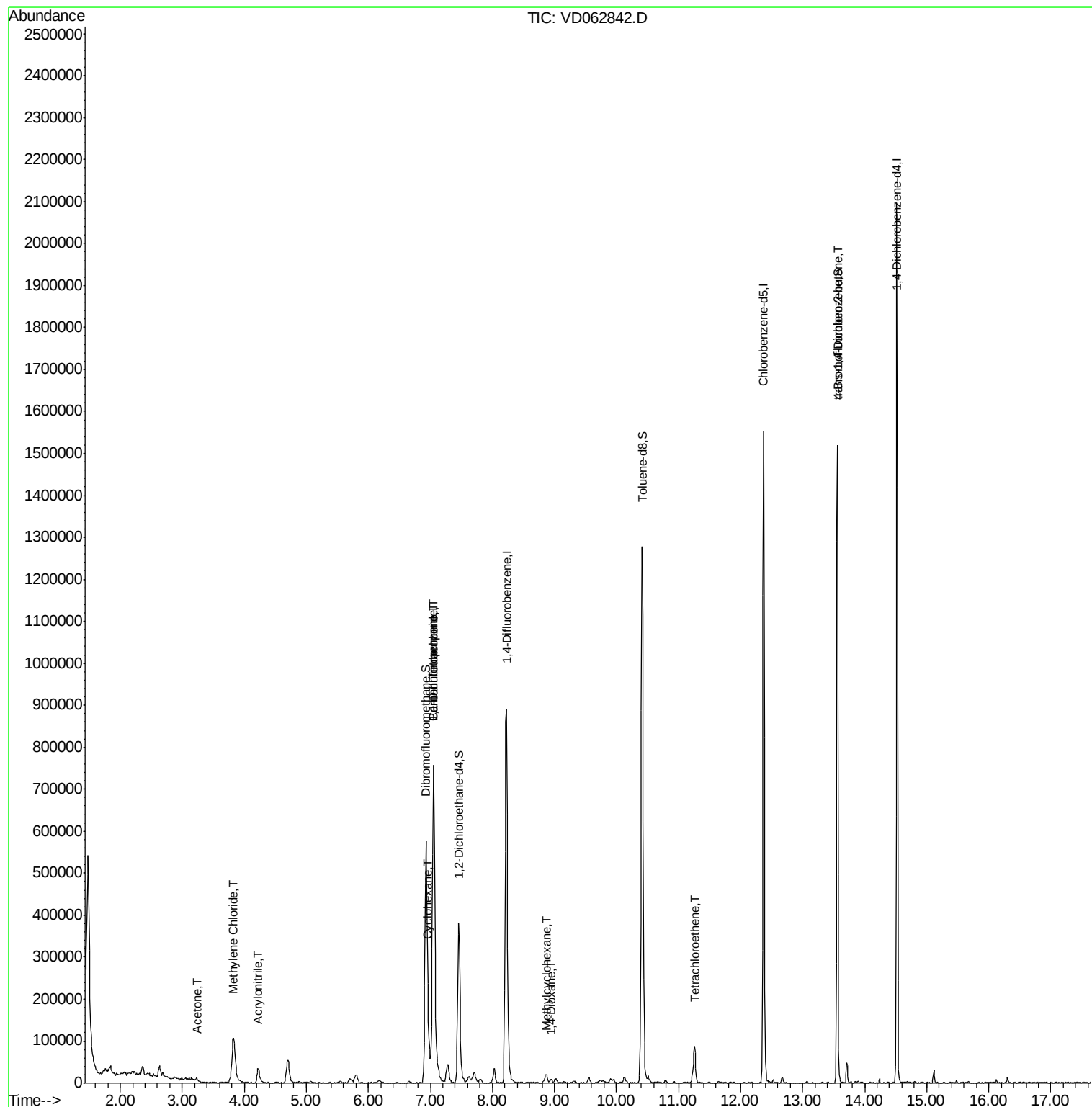
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acrylonitrile	4.22	53	1595	1.867	ug/l #	49
16) Acetone	3.24	43	23051	7.454	ug/l	94
20) Methylene Chloride	3.82	84	44033	7.234	ug/l	94
31) Cyclohexane	6.97	56	13148	1.754	ug/l #	50
36) 1,1-Dichloropropene	7.05	75	59116	6.555	ug/l #	57
37) Ethyl Acetate	6.19	43	710	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	75158	5.541	ug/l #	15
39) Methylcyclohexane	8.86	83	9968	1.256	ug/l	87
49) 1,4-Dioxane	8.95	88	181	6.475	ug/l #	1
64) Tetrachloroethene	11.26	164	22626	3.447	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.55	75	200858	151.426	ug/l #	2

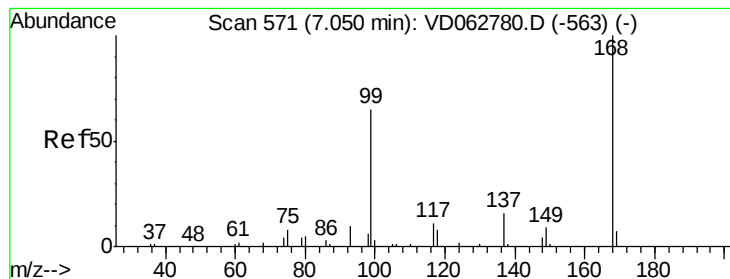
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
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B-4(8-9)

Quant Time: Jun 25 05:04:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
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: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062842.D

Acq: 24 Jun 2019 16:04

Instrument :

MSVOA_D

ClientSampleID :

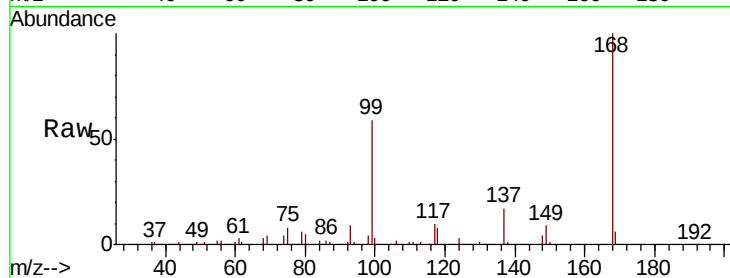
B-4(8-9)

Tot Ion:168 Resp: 734305

Ion Ratio Lower Upper

168 100

99 58.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

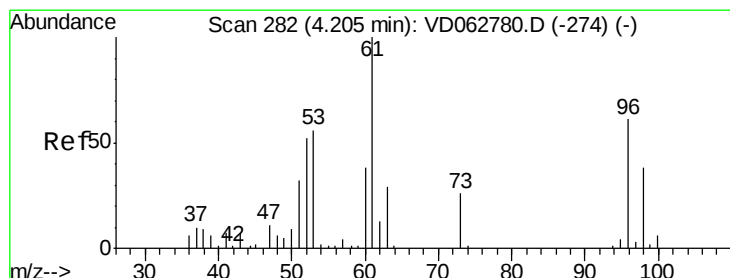
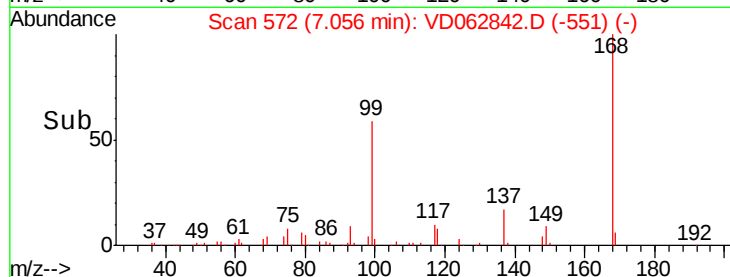
150000

100000

50000

0

Time-->



#15

Acrylonitrile

Concen: 1.867 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD062842.D

Acq: 24 Jun 2019 16:04

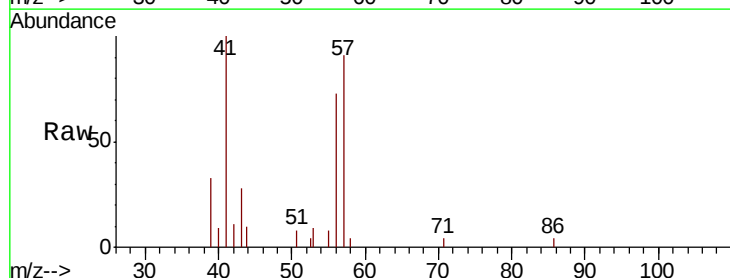
Tgt Ion: 53 Resp: 1595

Ion Ratio Lower Upper

53 100

52 38.9 73.3 109.9#

51 88.1 44.8 67.2#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC

4.22

800

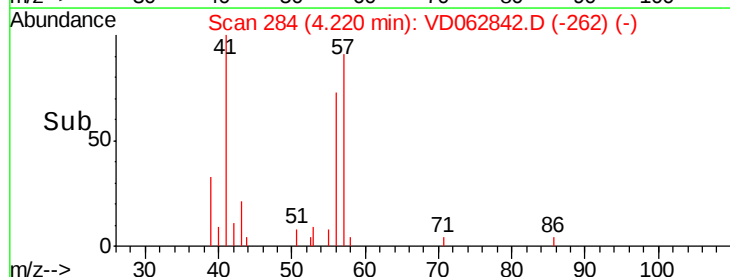
600

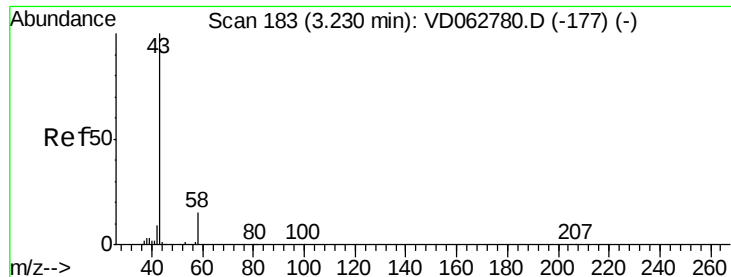
400

200

0

Time-->





#16

Acetone

Concen: 7.454 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062842.D

Acq: 24 Jun 2019 16:04

Instrument :

MSVOA_D

ClientSampleId :

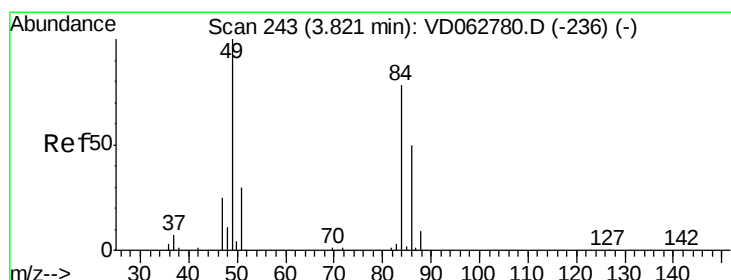
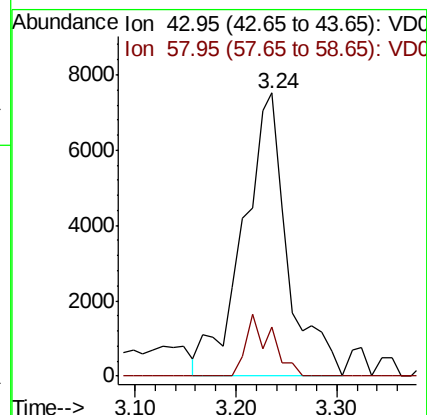
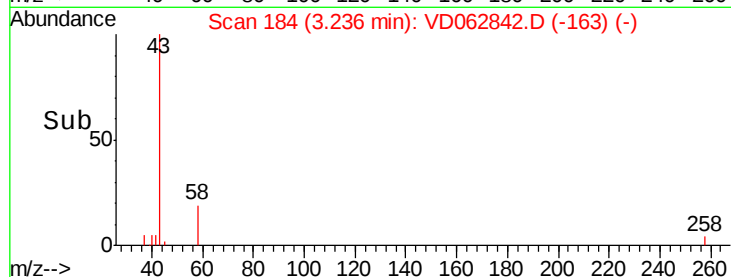
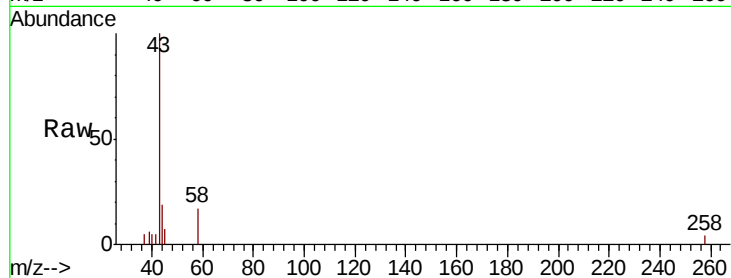
B-4(8-9)

Tot Ion: 43 Resp: 23051

Ion Ratio Lower Upper

43 100

58 17.4 11.9 17.9



#20

Methylene Chloride

Concen: 7.234 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD062842.D

Acq: 24 Jun 2019 16:04

Tgt Ion: 84 Resp: 44033

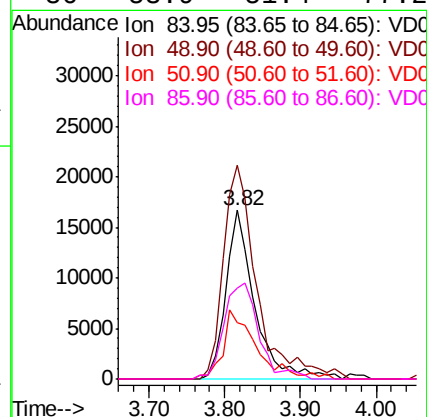
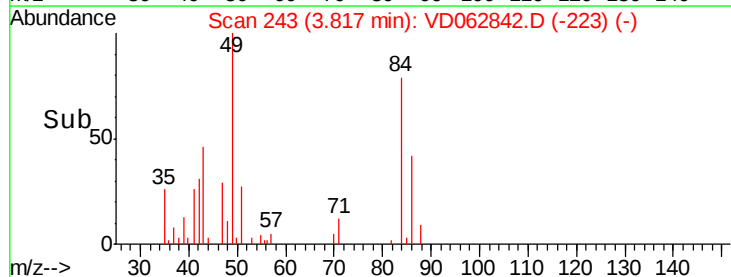
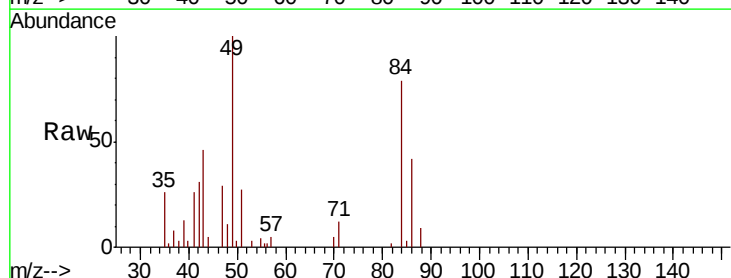
Ion Ratio Lower Upper

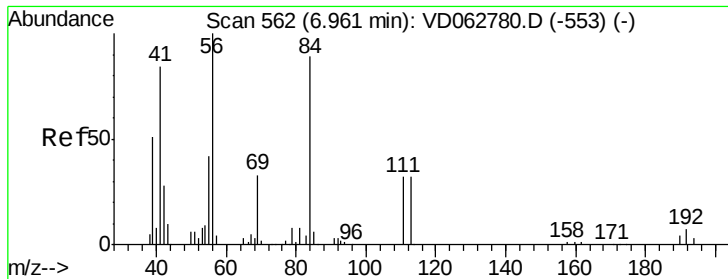
84 100

49 126.8 102.9 154.3

51 33.8 31.2 46.8

86 53.9 51.4 77.2

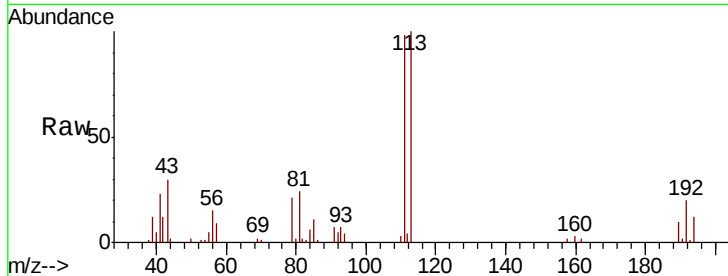




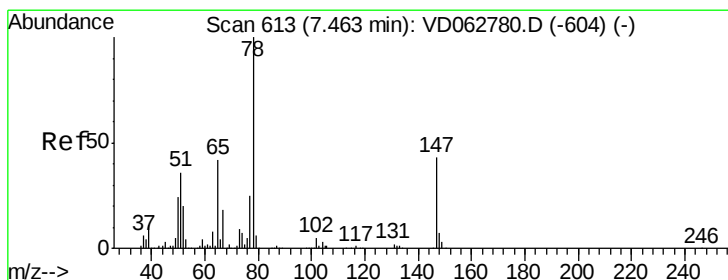
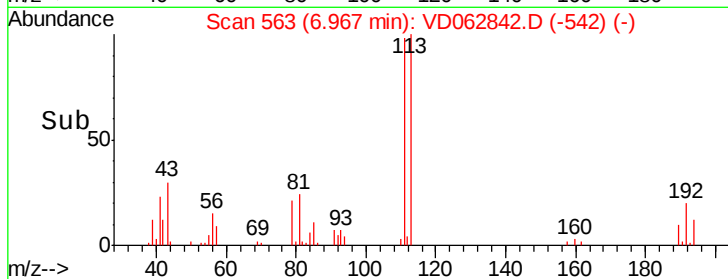
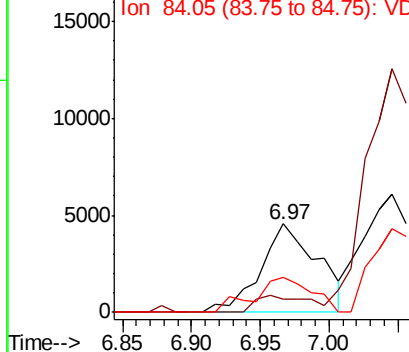
#31
Cyclohexane
Concen: 1.754 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD062842.D
Acq: 24 Jun 2019 16:04

Instrument :
MSVOA_D
ClientSampleId :
B-4(8-9)

Tot Ion: 56 Resp: 13148
Ion Ratio Lower Upper
56 100
69 15.2 26.6 39.8#
84 39.2 75.5 113.3#

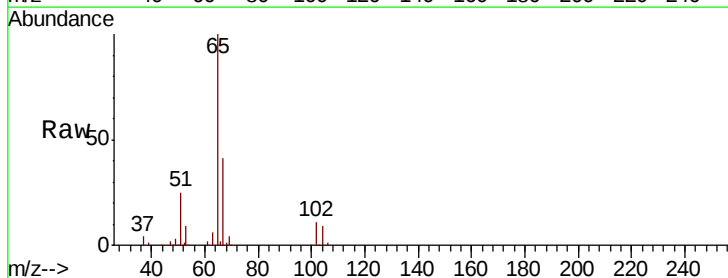


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

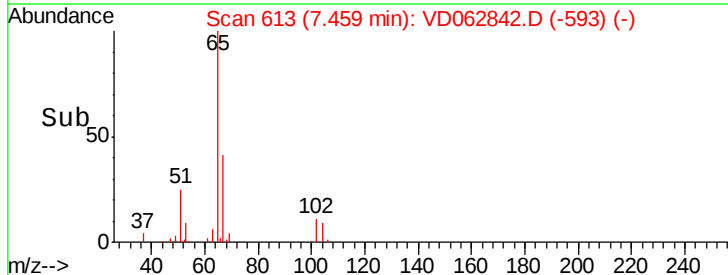
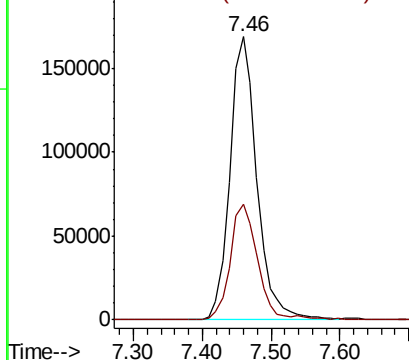


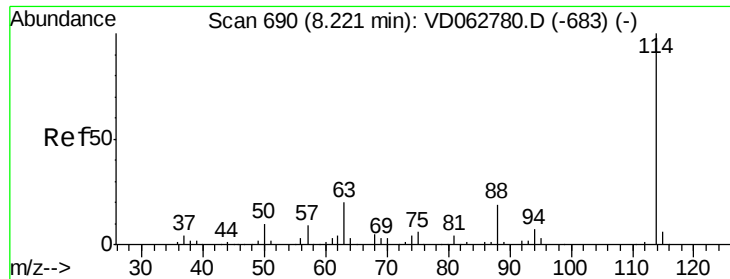
#33
1,2-Dichloroethane-d4
Concen: 57.307 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD062842.D
Acq: 24 Jun 2019 16:04

Tgt Ion: 65 Resp: 457411
Ion Ratio Lower Upper
65 100
67 40.8 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: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062842.D

Acq: 24 Jun 2019 16:04

Instrument :

MSVOA_D

ClientSampleId :

B-4(8-9)

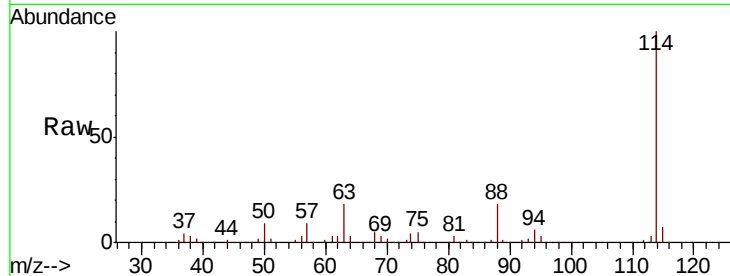
Tot Ion:114 Resp: 952689

Ion Ratio Lower Upper

114 100

63 18.1 0.0 40.0

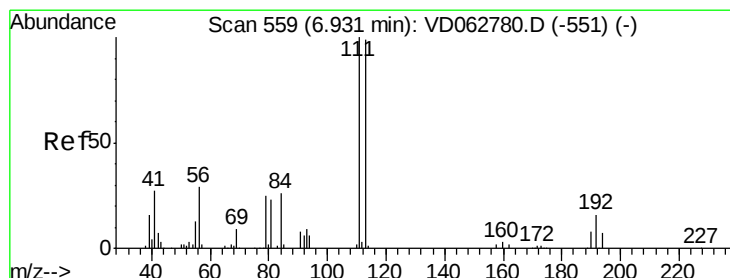
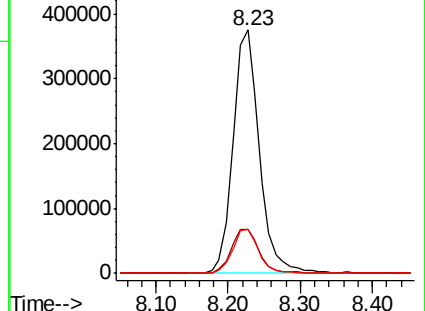
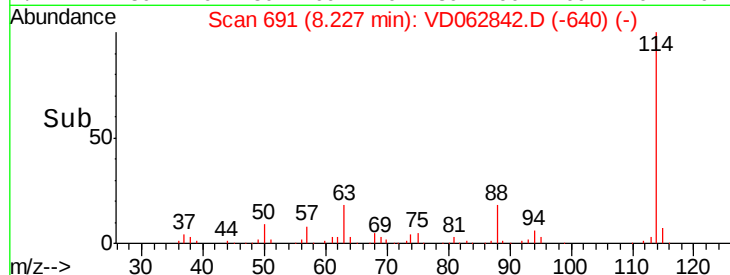
88 17.9 0.0 38.8



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: 61.125 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062842.D

Acq: 24 Jun 2019 16:04

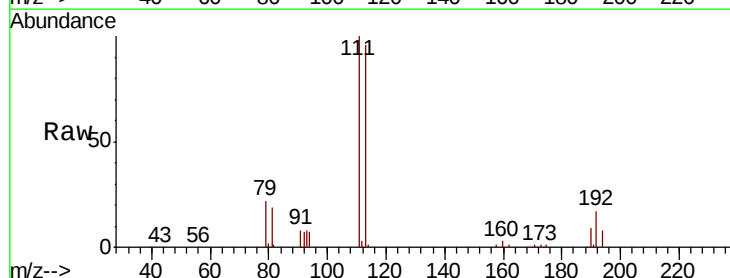
Tgt Ion:113 Resp: 491017

Ion Ratio Lower Upper

113 100

111 104.3 81.2 121.8

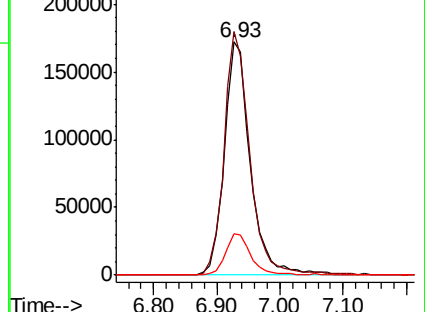
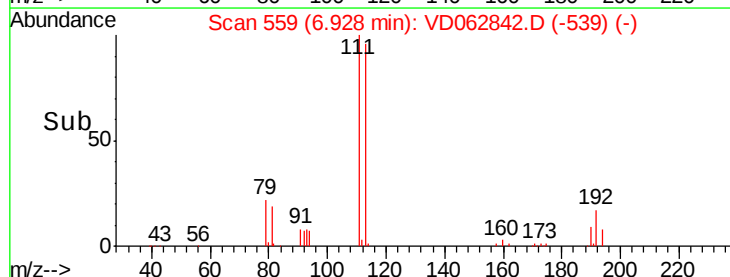
192 17.9 12.9 19.3

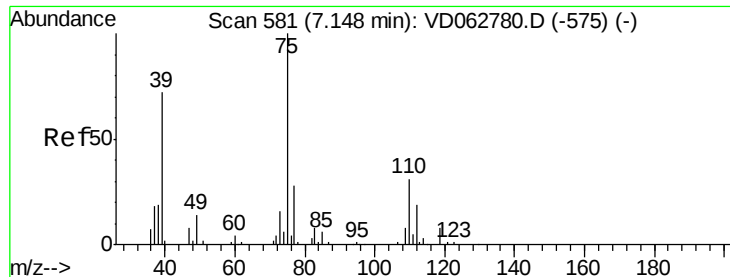


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.555 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062842.D

Acq: 24 Jun 2019 16:04

Instrument :

MSVOA_D

ClientSampled :

B-4(8-9)

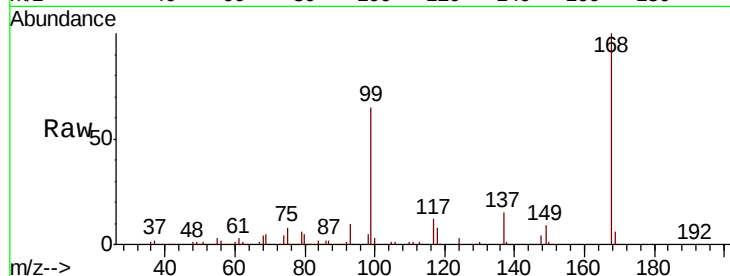
Tot Ion: 75 Resp: 59116

Ion Ratio Lower Upper

75 100

110 9.4 15.0 45.1#

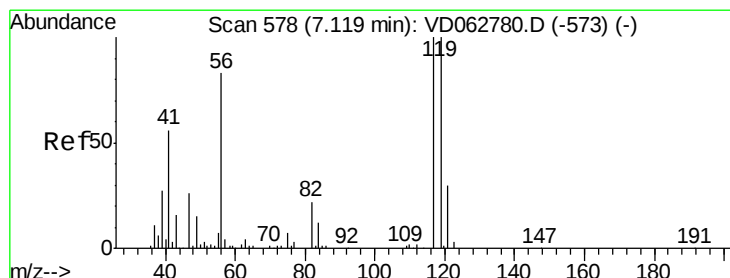
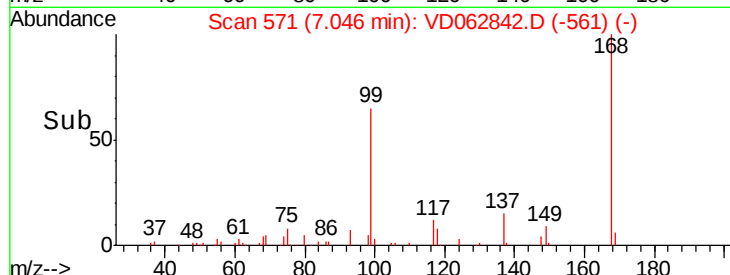
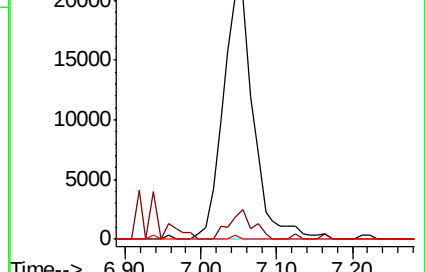
77 1.9 22.2 33.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.541 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD062842.D

Acq: 24 Jun 2019 16:04

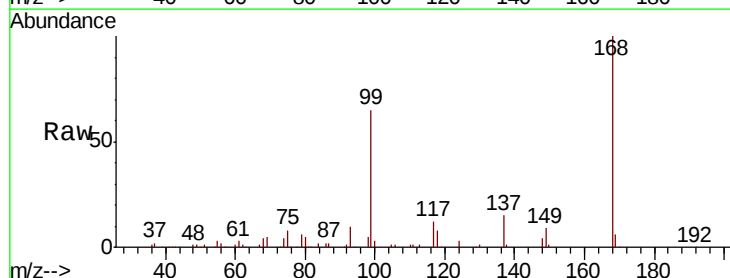
Tgt Ion: 117 Resp: 75158

Ion Ratio Lower Upper

117 100

119 3.3 75.4 113.2#

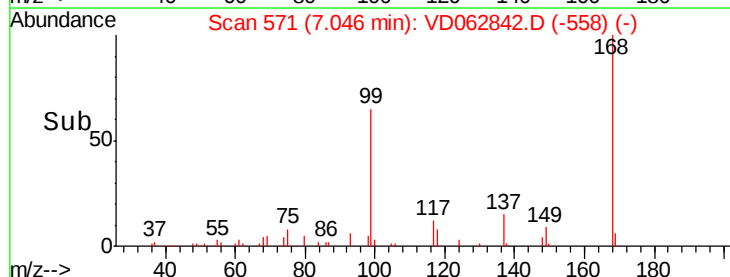
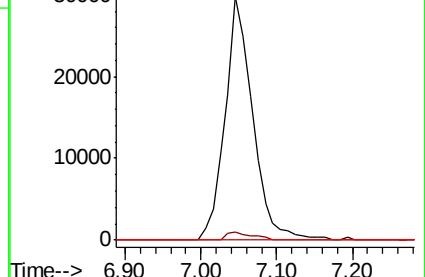
121 0.0 22.3 33.5#

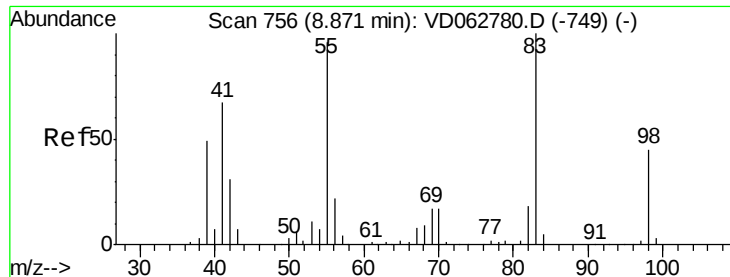


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

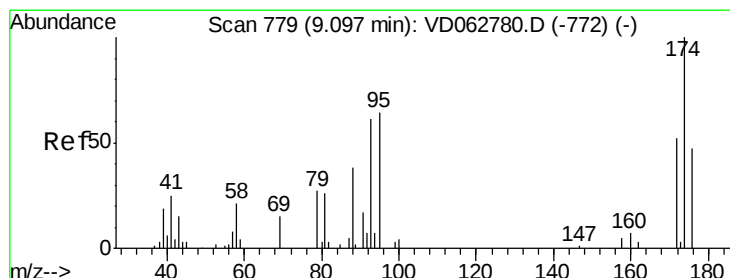
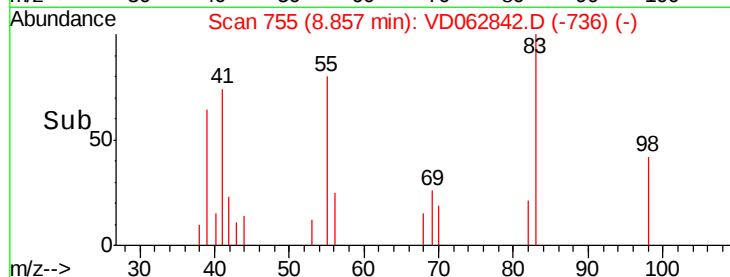
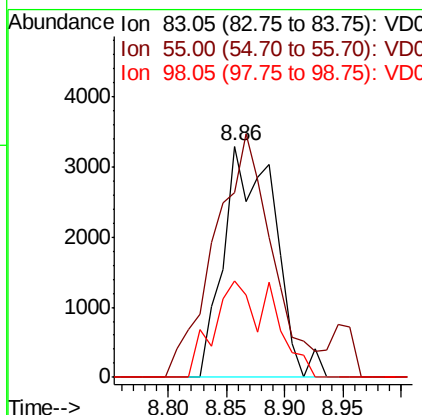
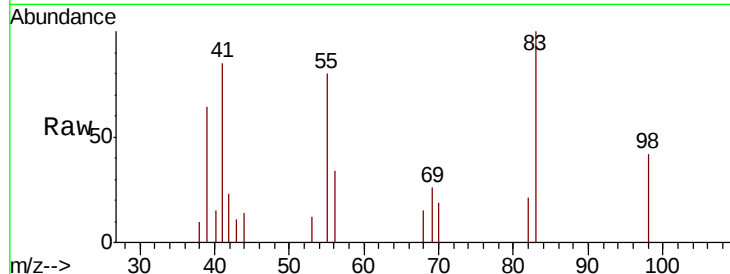




#39
Methvlcvclohexane
Concen: 1.256 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD062842.D
Acq: 24 Jun 2019 16:04

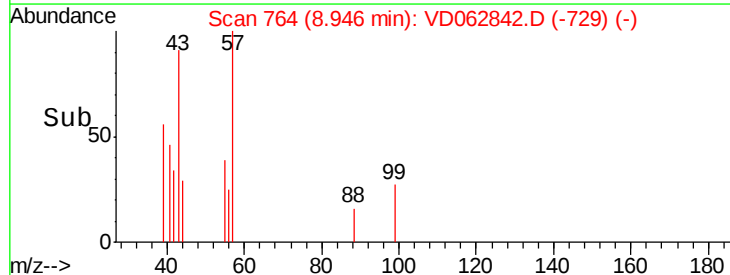
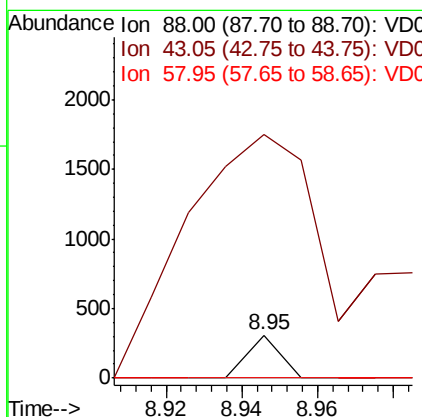
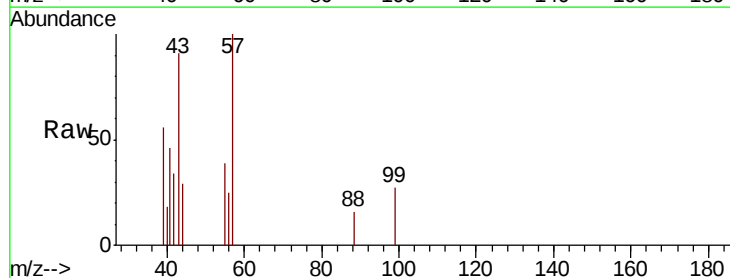
Instrument :
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B-4(8-9)

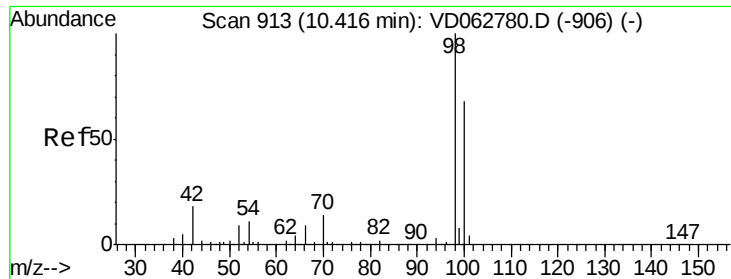
Tot Ion: 83 Resp: 9968
Ion Ratio Lower Upper
83 100
55 79.6 76.6 115.0
98 41.6 35.7 53.5



#49
1,4-Dioxane
Concen: 6.475 ug/l
RT: 8.95 min Scan# 764
Delta R.T. -0.15 min
Lab File: VD062842.D
Acq: 24 Jun 2019 16:04

Tgt Ion: 88 Resp: 181
Ion Ratio Lower Upper
88 100
43 571.9 32.1 48.1#
58 0.0 44.1 66.1#

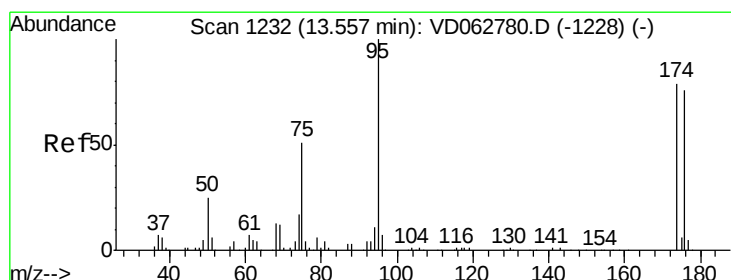
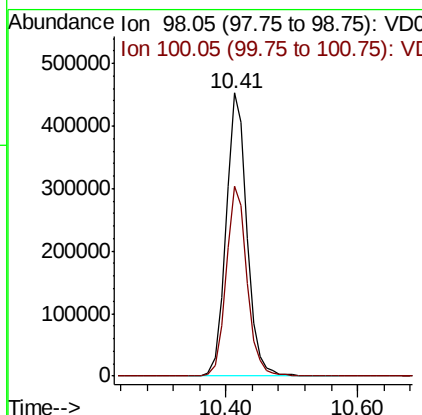
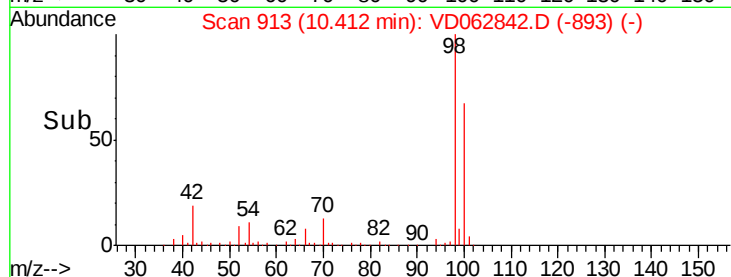
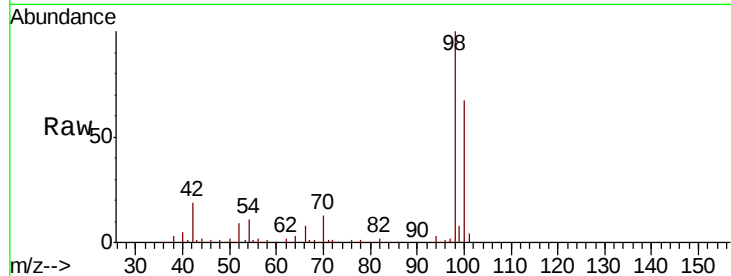




#50
Toluene-d8
Concen: 57.381 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062842.D
Acq: 24 Jun 2019 16:04

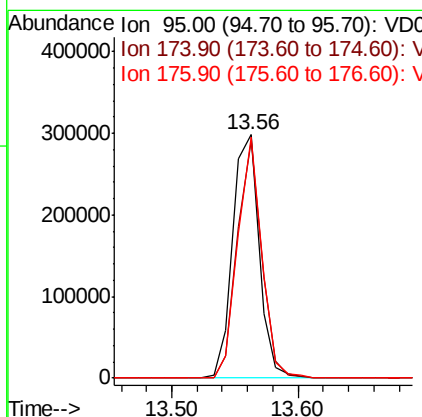
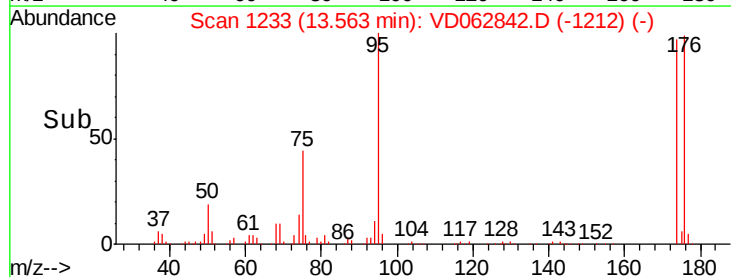
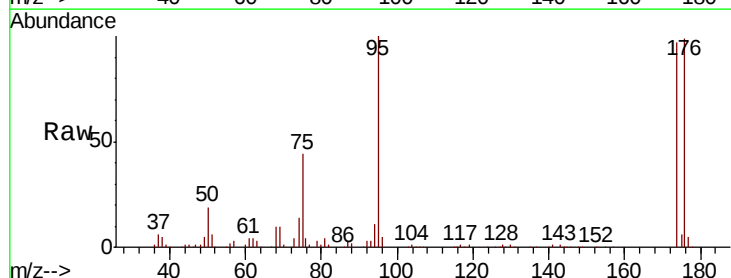
Instrument :
MSVOA_D
ClientSampled :
B-4(8-9)

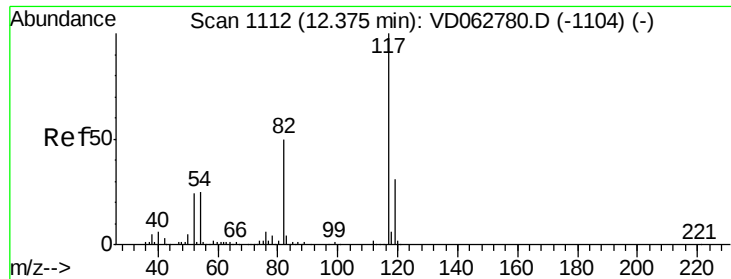
Tot Ion: 98 Resp: 1003230
Ion Ratio Lower Upper
98 100
100 67.1 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 54.204 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062842.D
Acq: 24 Jun 2019 16:04

Tgt Ion: 95 Resp: 430916
Ion Ratio Lower Upper
95 100
174 97.4 0.0 158.0
176 98.9 0.0 151.6

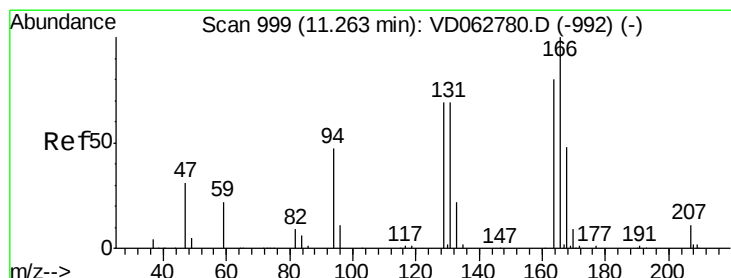
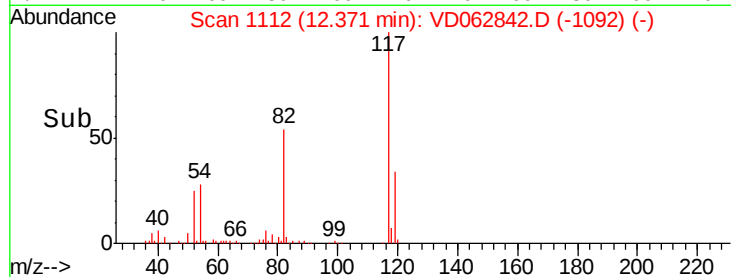
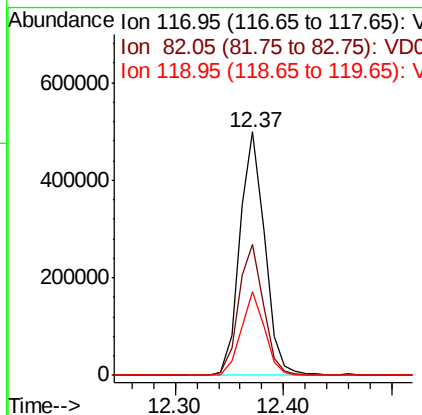
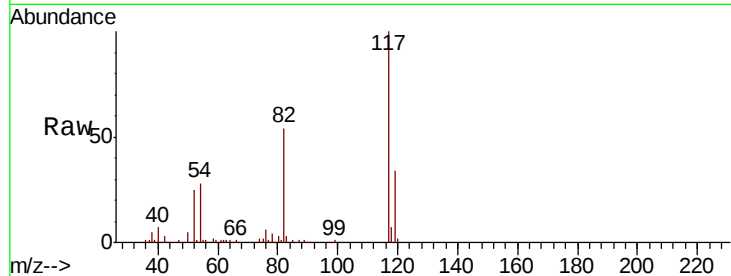




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062842.D
Acq: 24 Jun 2019 16:04

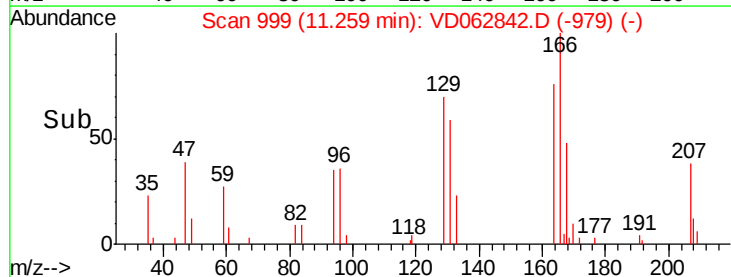
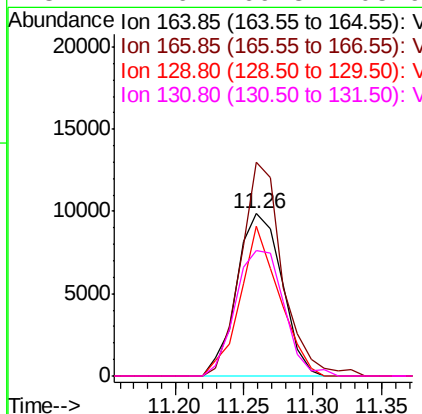
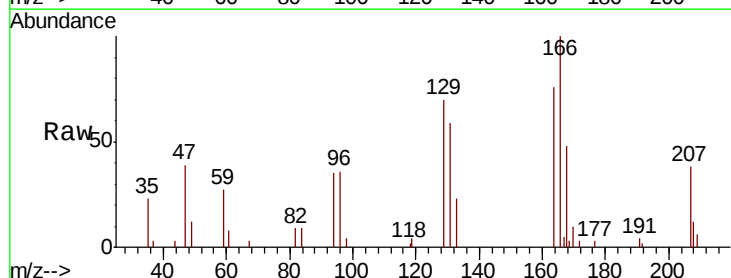
Instrument :
MSVOA_D
ClientSampleId :
B-4(8-9)

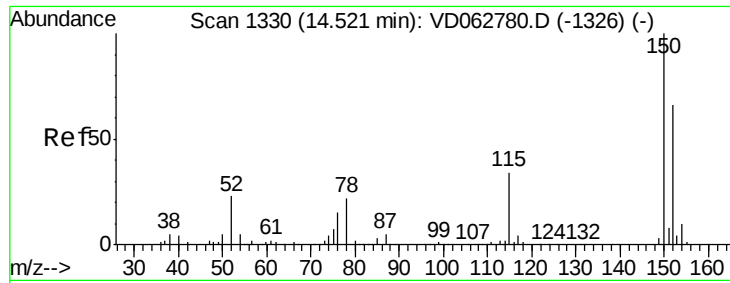
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	40.4	60.6
119	34.3	25.2	37.8



#64
Tetrachloroethene
Concen: 3.447 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062842.D
Acq: 24 Jun 2019 16:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	100.6	150.8
129	92.0	69.4	104.0
131	77.6	69.3	103.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062842.D

Acq: 24 Jun 2019 16:04

Instrument :

MSVOA_D

ClientSampleId :

B-4(8-9)

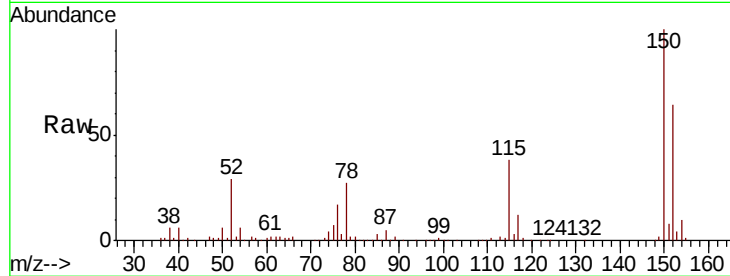
Tot Ion:152 Resp: 438410

Ion Ratio Lower Upper

152 100

115 59.7 29.2 87.6

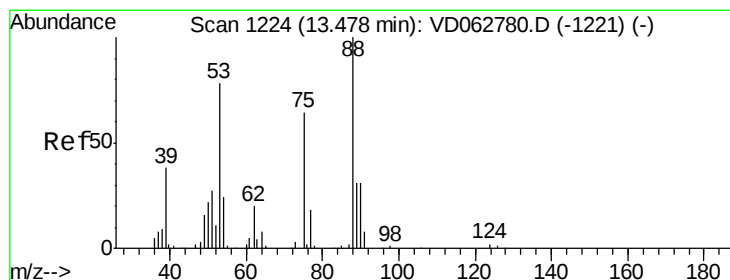
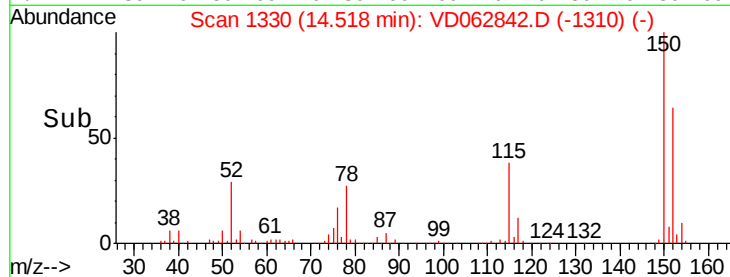
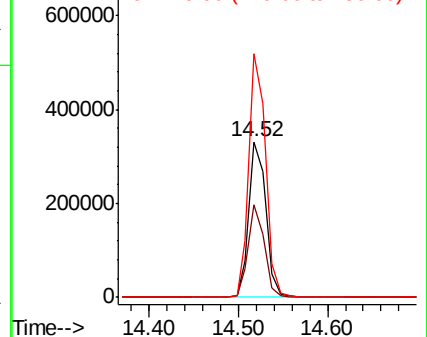
150 156.3 0.0 305.8



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: 151.426 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062842.D

Acq: 24 Jun 2019 16:04

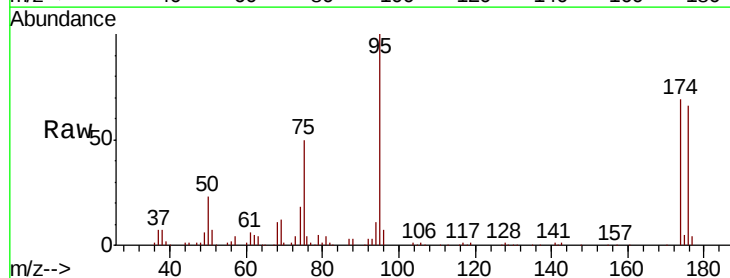
Tgt Ion: 75 Resp: 200858

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

