

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD06340.D
 Acq On : 3 Aug 2019 3:44
 Operator : VA/AP
 Sample : K4130-19
 Misc : 5.73g/5ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 03:44:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	299291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	478486	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	445353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	222633	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	265028	79.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	159.62%	
35) Dibromofluoromethane	6.92	113	228986	56.05	ug/l	0.01
Spiked Amount 50.000			Recovery	=	112.10%	
50) Toluene-d8	10.40	98	433558	47.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.84%	
62) 4-Bromofluorobenzene	13.55	95	201268	48.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.62%	

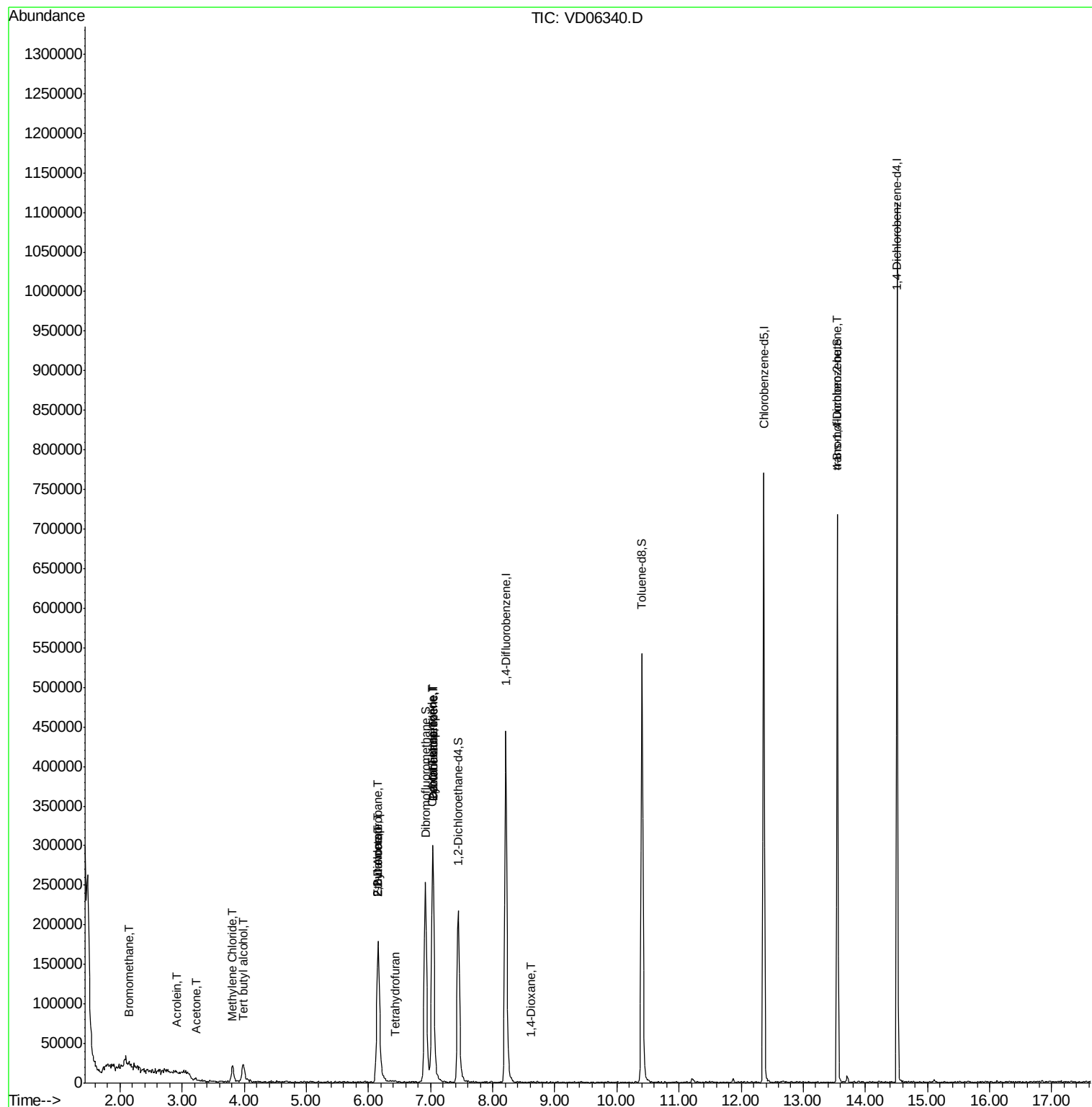
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	1966	1.325	ug/l #	12
11) Tert butyl alcohol	3.98	59	22720	155.896	ug/l #	69
13) Acrolein	2.92	56	377	2.688	ug/l #	20
16) Acetone	3.22	43	5883	9.092	ug/l #	62
20) Methylene Chloride	3.81	84	12866	4.919	ug/l #	80
25) 2-Butanone	6.15	43	14274	21.981	ug/l #	56
26) 2,2-Dichloropropane	6.15	77	9905	2.037	ug/l #	56
29) Tetrahydrofuran	6.45	42	409	1.330	ug/l #	49
31) Cyclohexane	7.04	56	5804	1.962	ug/l #	6
36) 1,1-Dichloropropene	7.04	75	25470	5.833	ug/l #	52
37) Ethyl Acetate	6.15	43	14451	7.366	ug/l #	1
38) Carbon Tetrachloride	7.02	117	29268	4.452	ug/l #	11
49) 1,4-Dioxane	8.62	88	402	25.185	ug/l #	22
81) trans-1,4-Dichloro-2-buten	13.55	75	95038	127.989	ug/l #	3

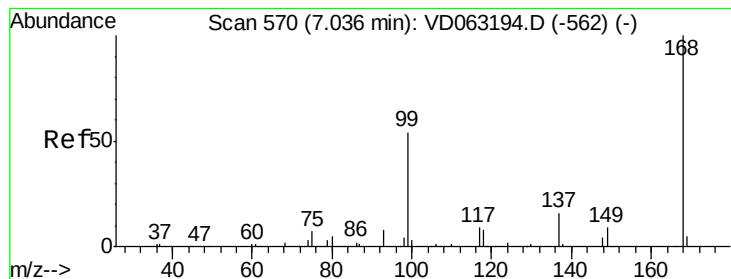
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 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: VD06340.D

Acq: 3 Aug 2019 3:44

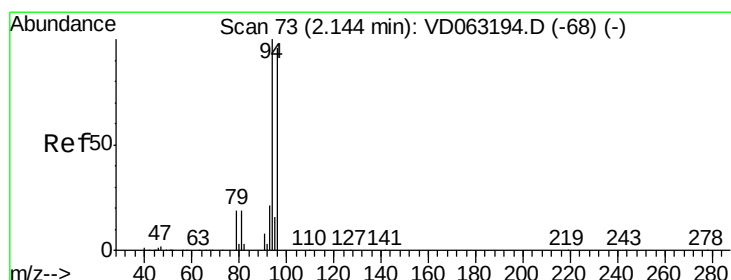
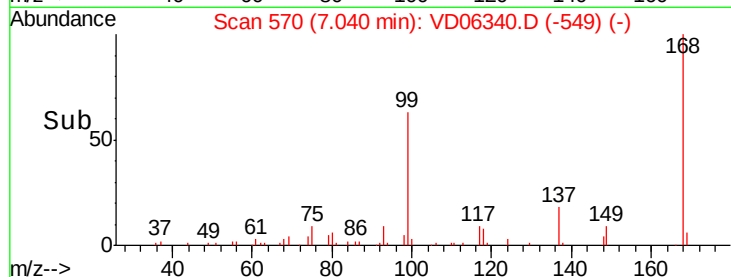
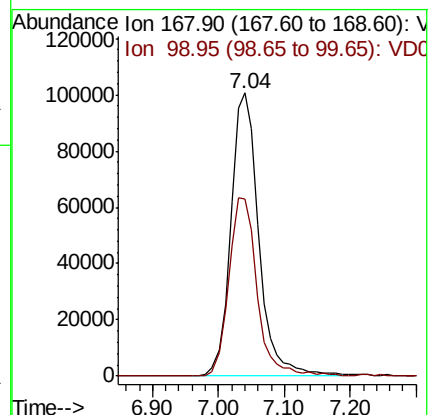
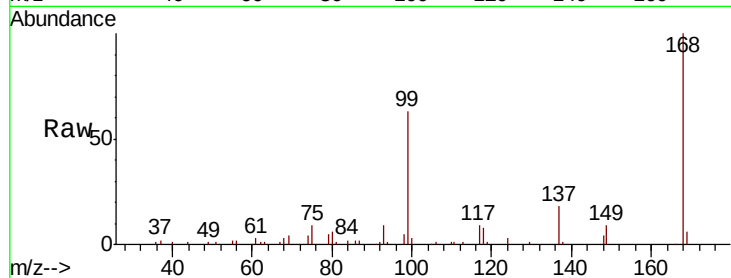
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 168 Resp: 299291

Ion Ratio Lower Upper

168 100

99 62.7 43.7 65.5



#5

Bromomethane

Concen: 1.325 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD06340.D

Acq: 3 Aug 2019 3:44

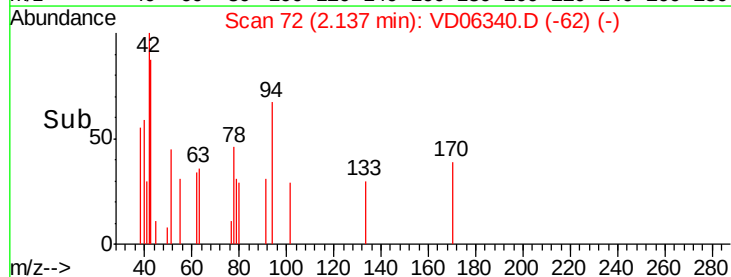
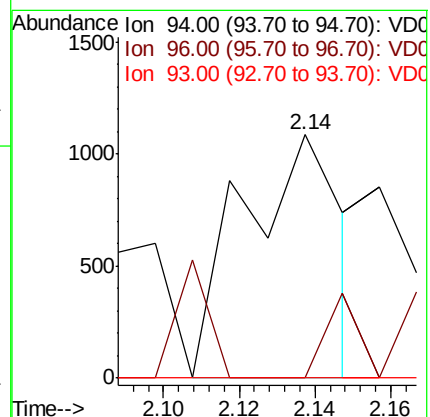
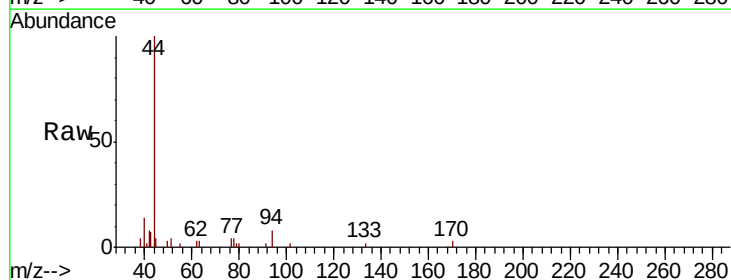
Tgt Ion: 94 Resp: 1966

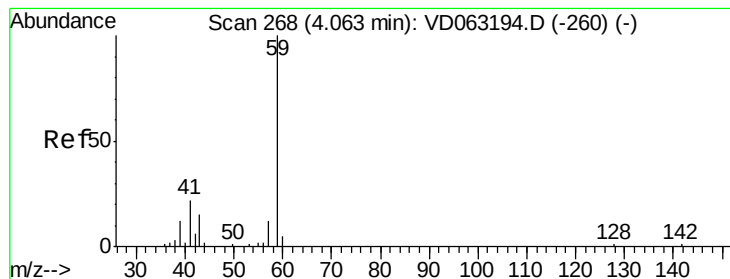
Ion Ratio Lower Upper

94 100

96 0.0 76.4 114.6#

93 0.0 17.3 25.9#



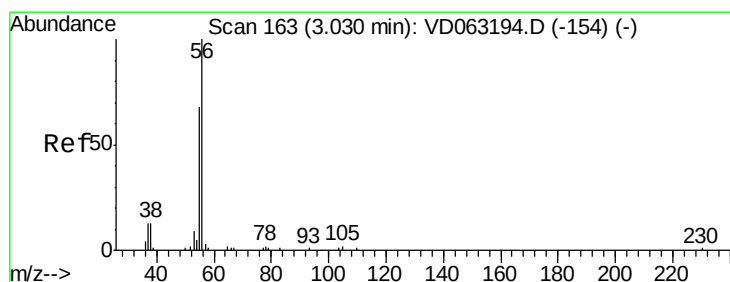
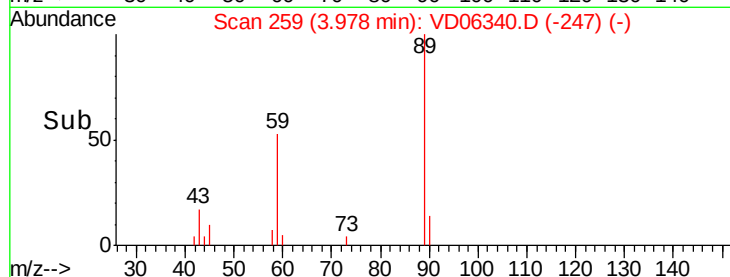
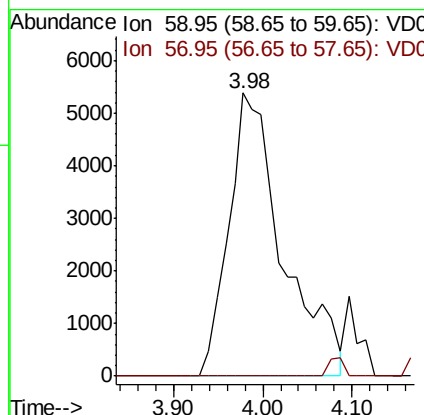
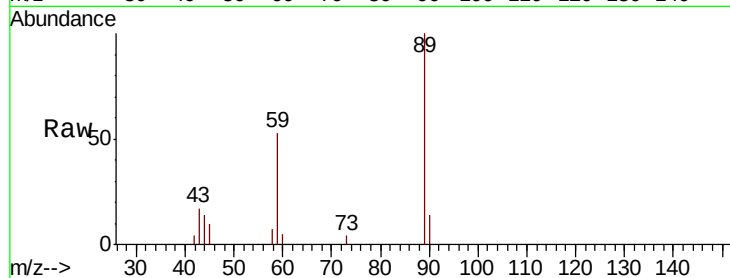


#11

Tert butyl alcohol
 Concen: 155.896 ug/l
 RT: 3.98 min Scan# 259
 Delta R.T. -0.08 min
 Lab File: VD06340.D
 Acq: 3 Aug 2019 3:44

Instrument :
 MSVOA_D
 ClientSampled :

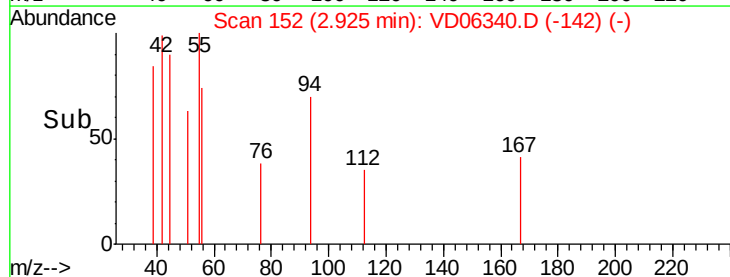
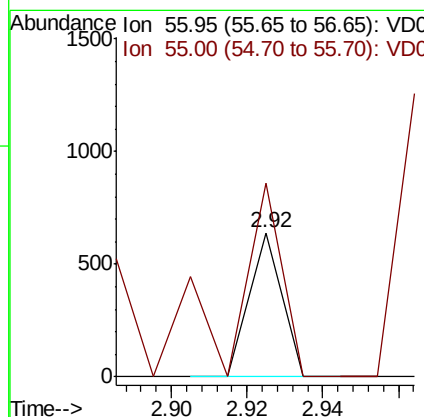
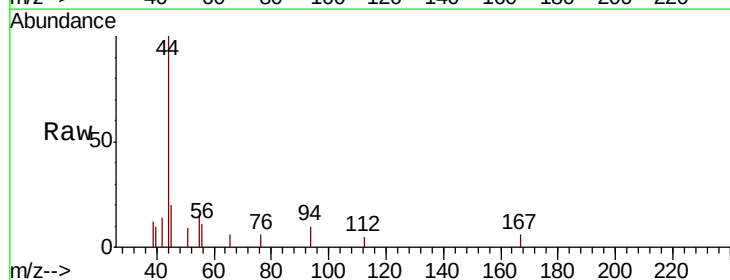
Tgt Ion: 59 Resp: 22720
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.6 14.4#

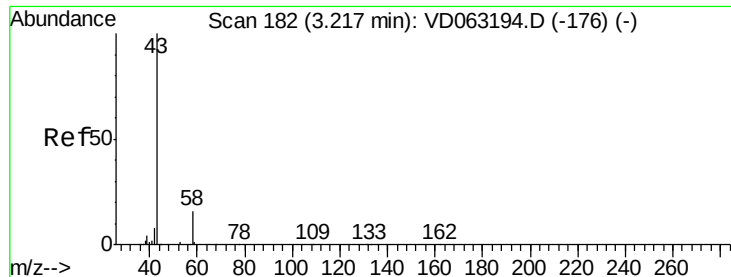


#13

Acrolein
 Concen: 2.688 ug/l
 RT: 2.92 min Scan# 152
 Delta R.T. -0.10 min
 Lab File: VD06340.D
 Acq: 3 Aug 2019 3:44

Tgt Ion: 56 Resp: 377
 Ion Ratio Lower Upper
 56 100
 55 134.6 55.3 82.9#





#16

Acetone

Concen: 9.092 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD06340.D

Acq: 3 Aug 2019 3:44

Instrument :

MSVOA_D

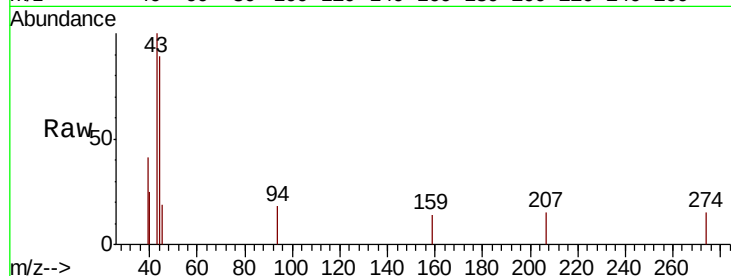
ClientSampled :

Tgt Ion: 43 Resp: 5883

Ion Ratio Lower Upper

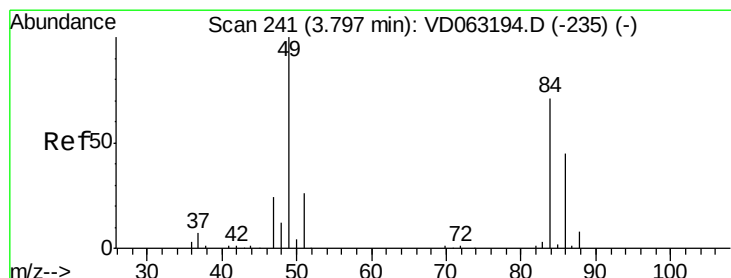
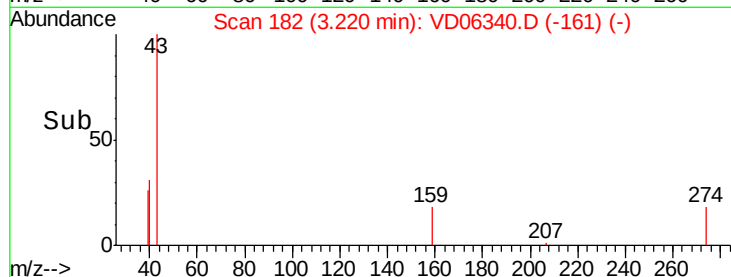
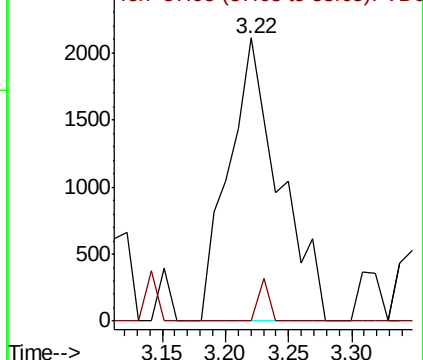
43 100

58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 4.919 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD06340.D

Acq: 3 Aug 2019 3:44

Tgt Ion: 84 Resp: 12866

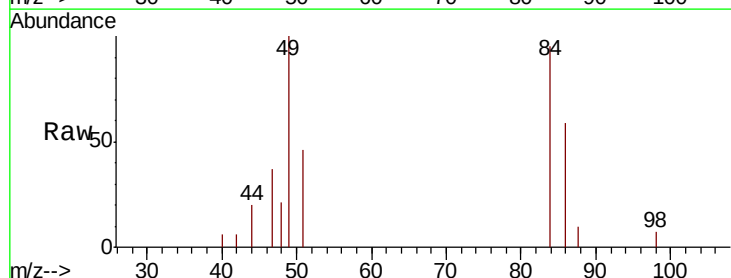
Ion Ratio Lower Upper

84 100

49 105.3 112.5 168.7#

51 48.7 29.6 44.4#

86 61.9 50.4 75.6

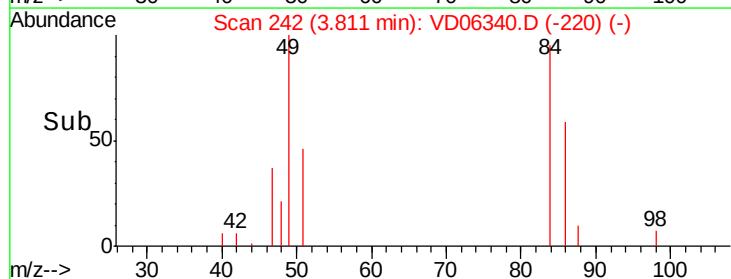
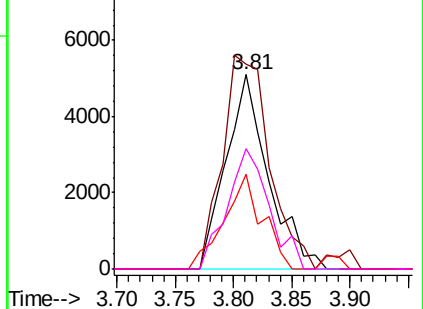


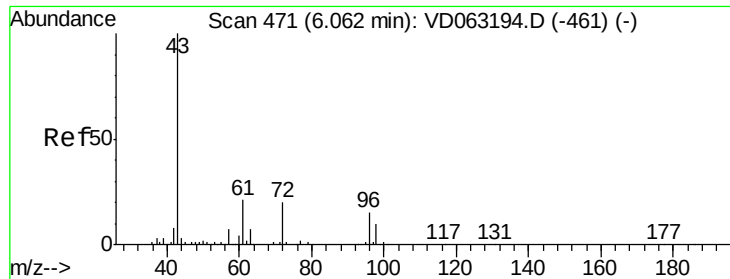
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

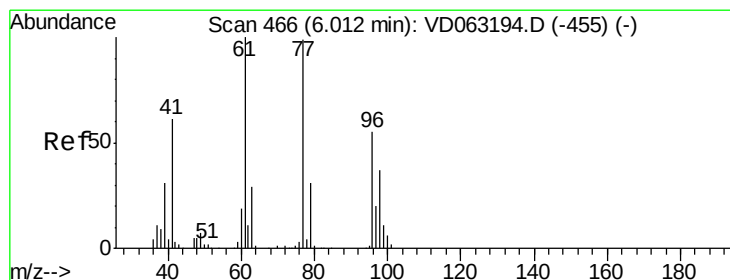
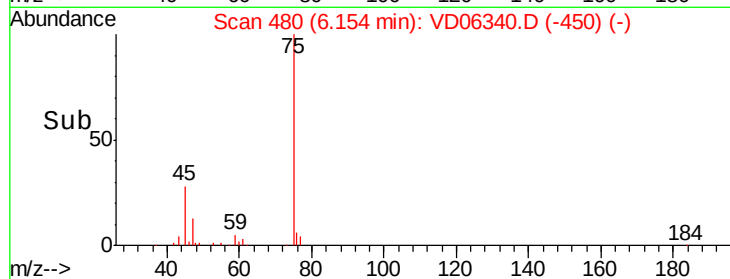
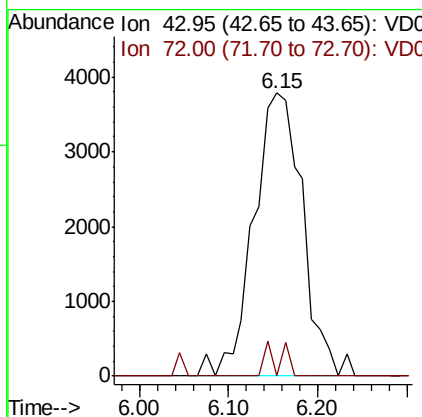
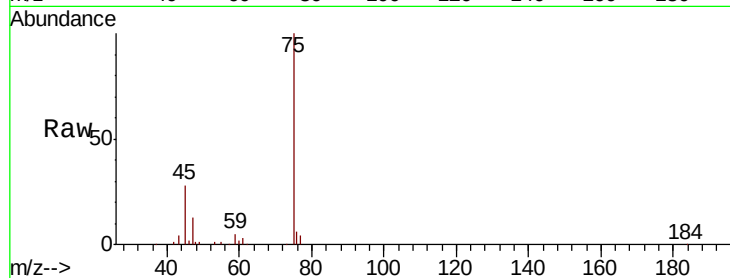




#25
2-Butanone
Concen: 21.981 ug/l
RT: 6.15 min Scan# 480
Delta R.T. 0.09 min
Lab File: VD06340.D
Acq: 3 Aug 2019 3:44

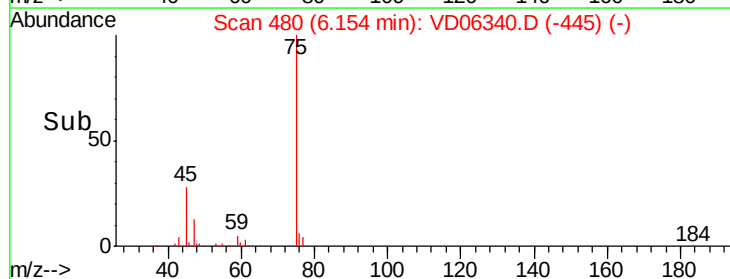
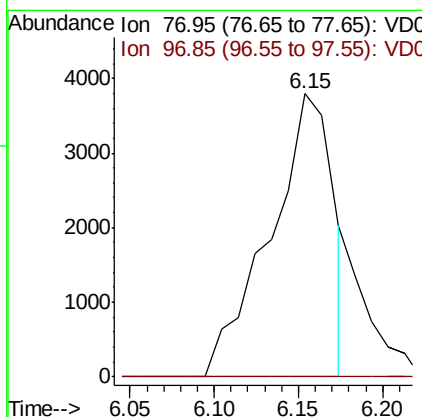
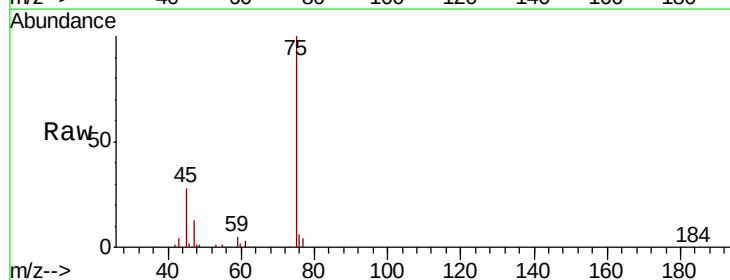
Instrument :
MSVOA_D
ClientSampleId :

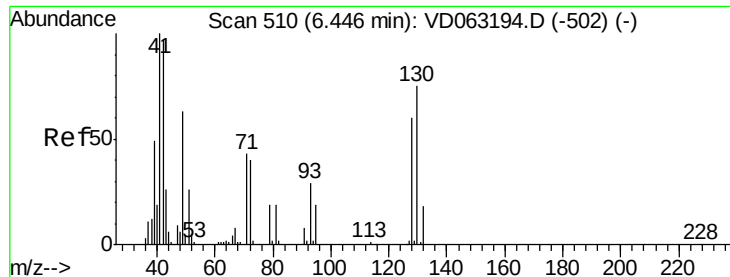
Tgt Ion: 43 Resp: 14274
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#



#26
2,2-Dichloropropane
Concen: 2.037 ug/l
RT: 6.15 min Scan# 480
Delta R.T. 0.14 min
Lab File: VD06340.D
Acq: 3 Aug 2019 3:44

Tgt Ion: 77 Resp: 9905
Ion Ratio Lower Upper
77 100
97 0.0 10.2 30.6#

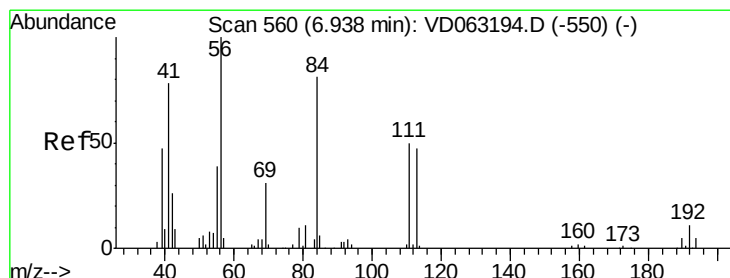
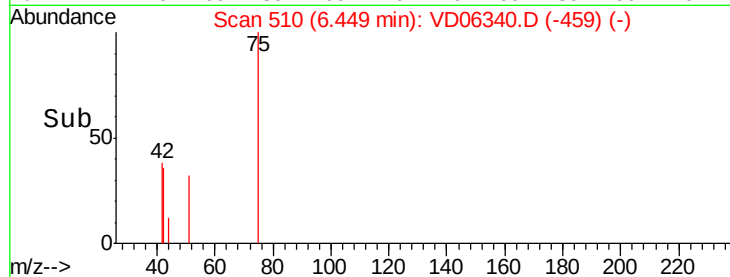
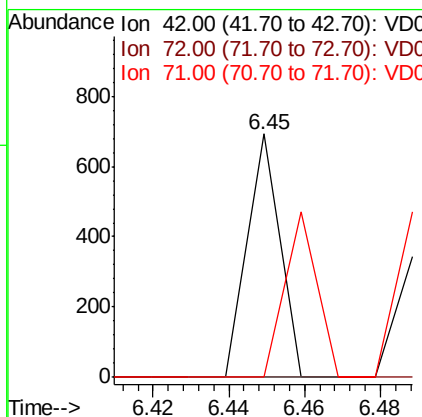
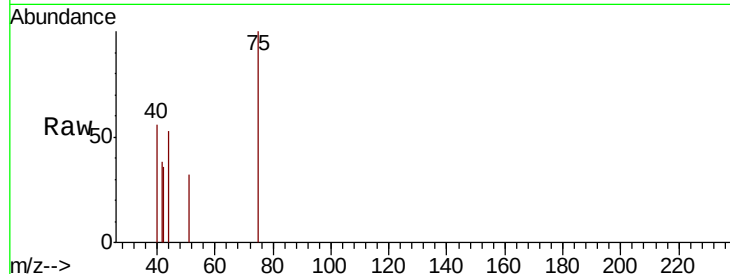




#29
Tetrahydrofuran
Concen: 1.330 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD06340.D
Acq: 3 Aug 2019 3:44

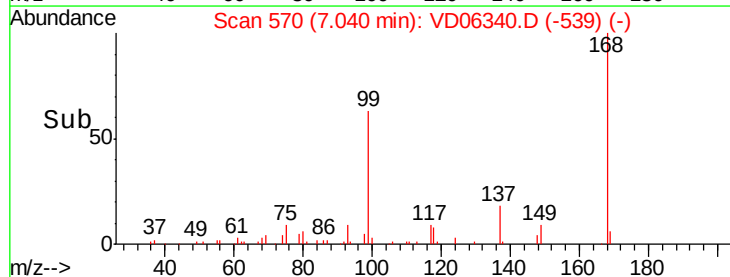
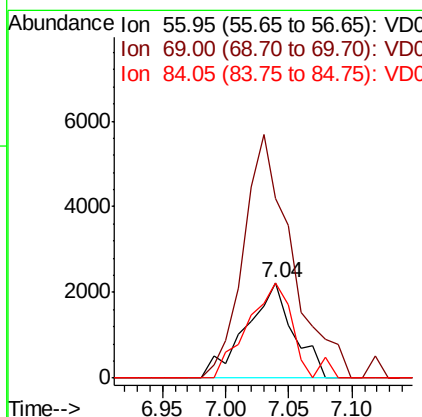
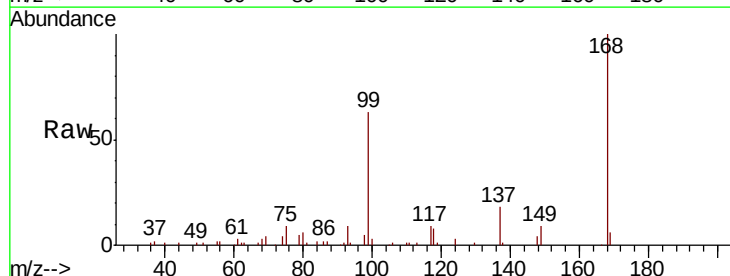
Instrument :
MSVOA_D
ClientSampled :

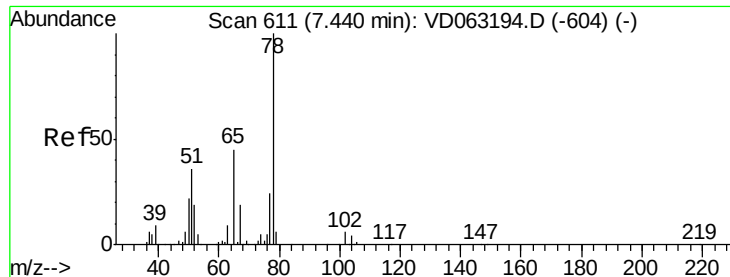
Tgt Ion: 42 Resp: 409
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.2#
71 68.0 35.7 53.5#



#31
Cyclohexane
Concen: 1.962 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD06340.D
Acq: 3 Aug 2019 3:44

Tgt Ion: 56 Resp: 5804
Ion Ratio Lower Upper
56 100
69 187.5 24.5 36.7#
84 100.1 64.9 97.3#

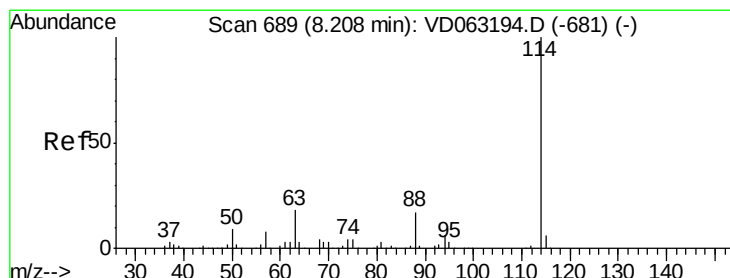
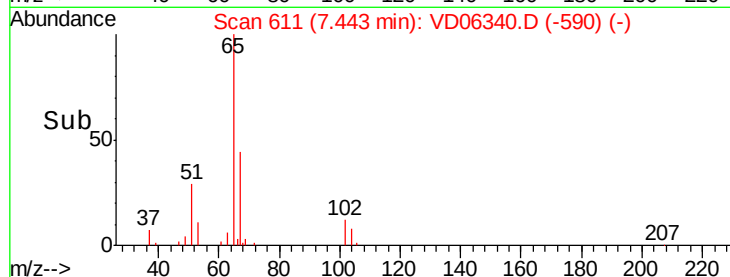
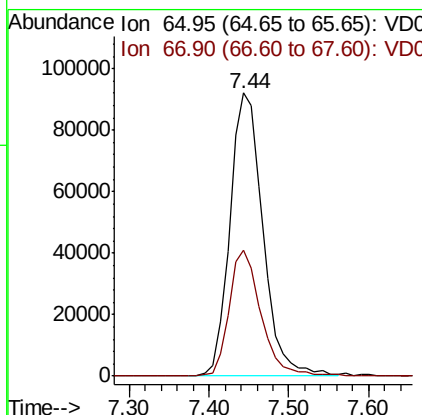
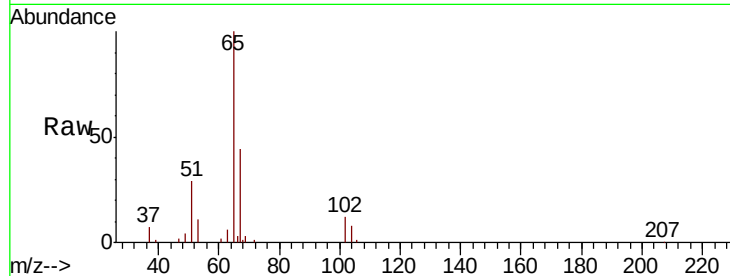




#33
 1,2-Dichloroethane-d4
 Concen: 79.806 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD06340.D
 Acq: 3 Aug 2019 3:44

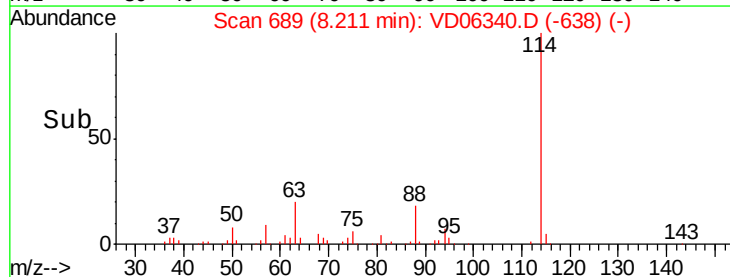
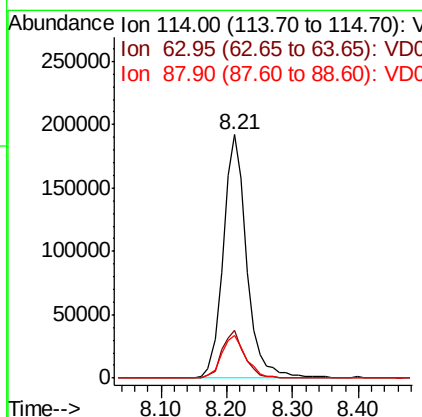
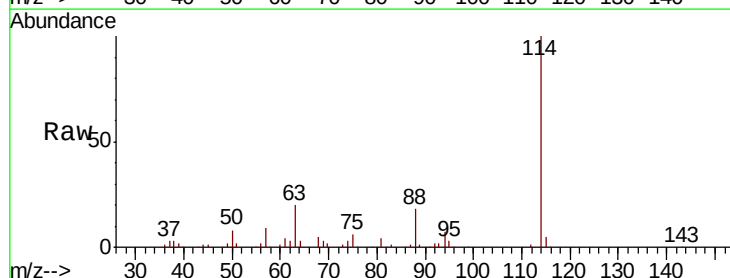
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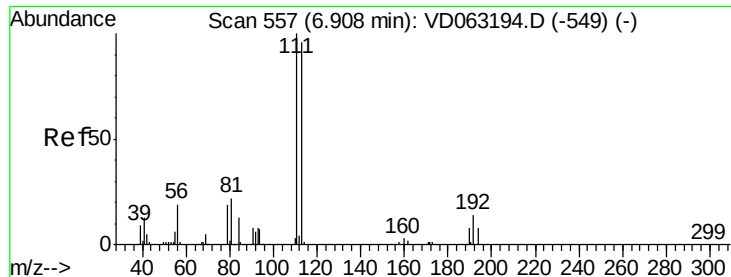
Tgt Ion: 65 Resp: 265028
 Ion Ratio Lower Upper
 65 100
 67 44.4 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD06340.D
 Acq: 3 Aug 2019 3:44

Tgt Ion: 114 Resp: 478486
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 35.2
 88 17.7 0.0 34.6





#35

Dibromofluoromethane

Concen: 56.052 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD06340.D

Acq: 3 Aug 2019 3:44

Instrument :
MSVOA_D
ClientSampled :

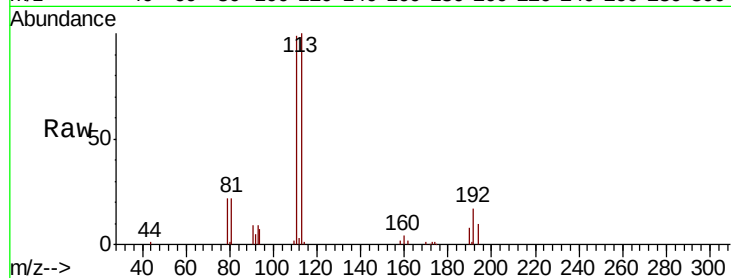
Tgt Ion: 113 Resp: 228986

Ion Ratio Lower Upper

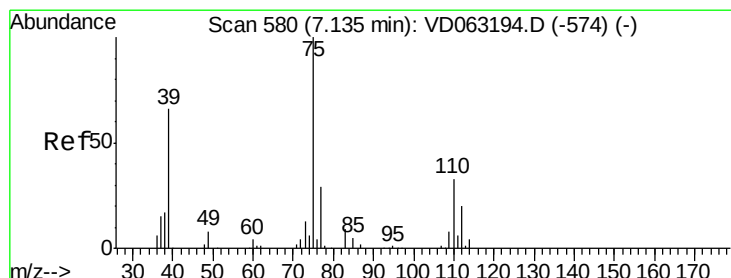
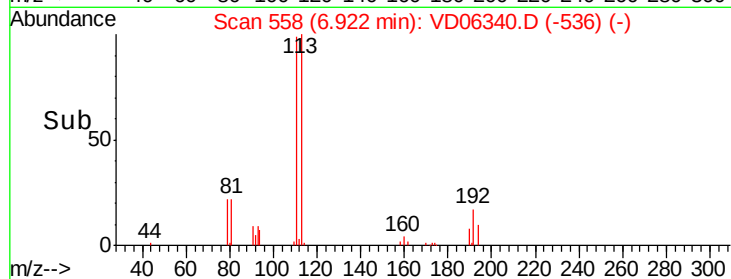
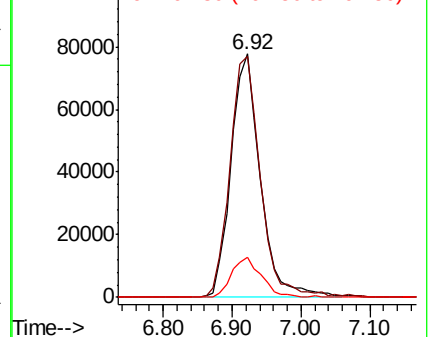
113 100

111 99.3 83.2 124.8

192 16.5 11.8 17.8



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: 5.833 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD06340.D

Acq: 3 Aug 2019 3:44

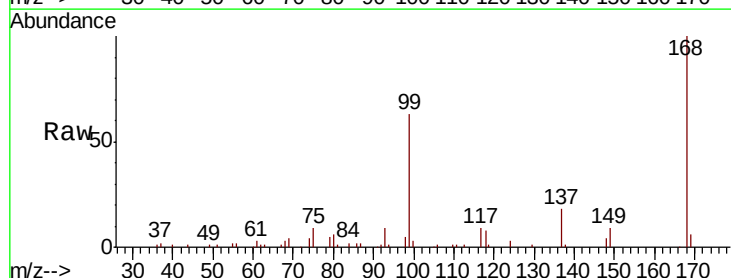
Tgt Ion: 75 Resp: 25470

Ion Ratio Lower Upper

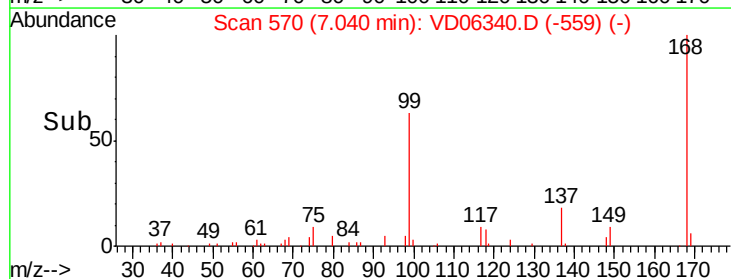
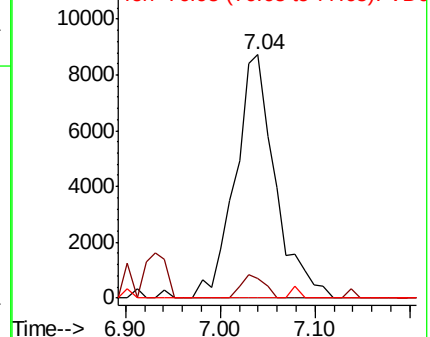
75 100

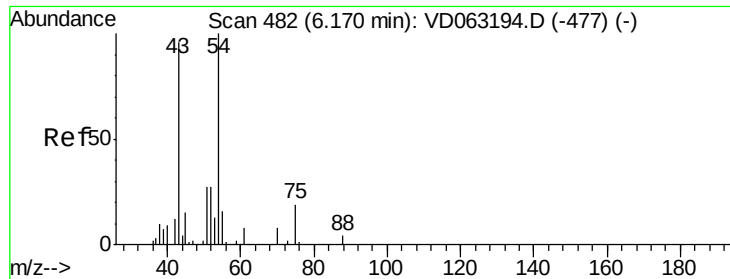
110 8.1 16.1 48.2#

77 0.0 22.7 34.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

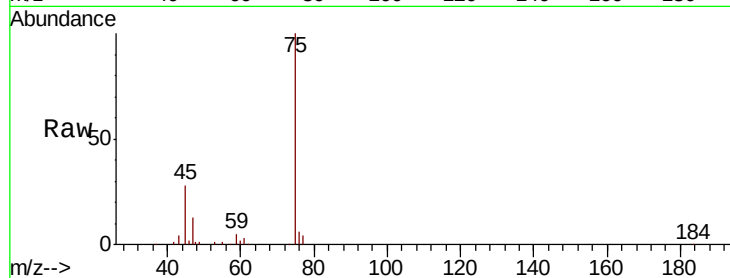




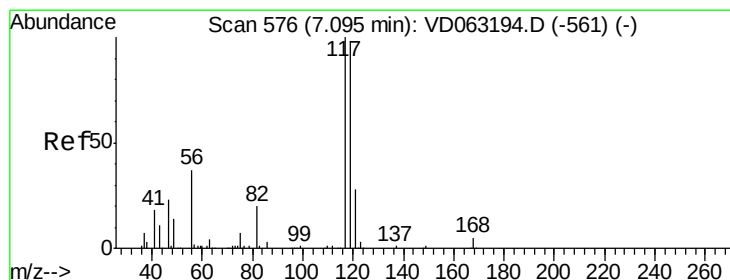
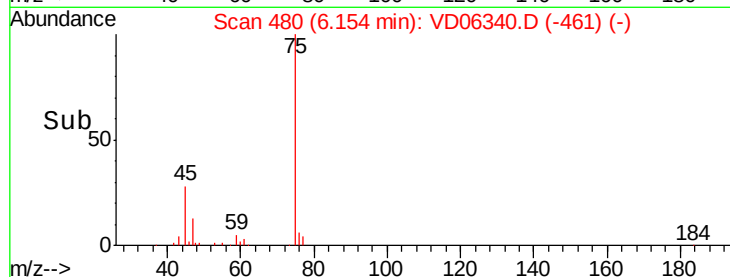
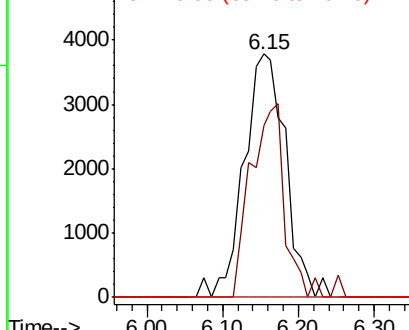
#37
 Ethyl Acetate
 Concen: 7.366 ug/l
 RT: 6.15 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: VD06340.D
 Acq: 3 Aug 2019 3:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 43 Resp: 14451
 Ion Ratio Lower Upper
 43 100
 61 70.7 11.3 16.9#
 70 0.0 5.1 7.7#

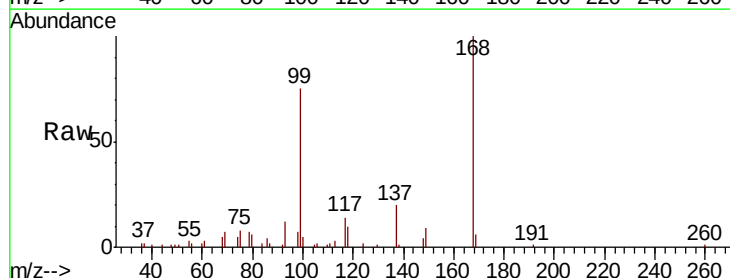


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

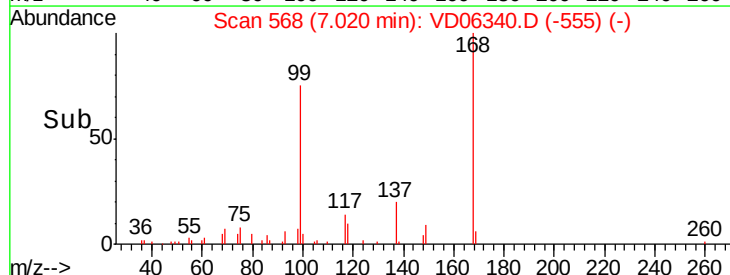
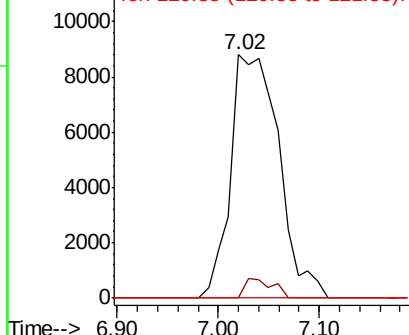


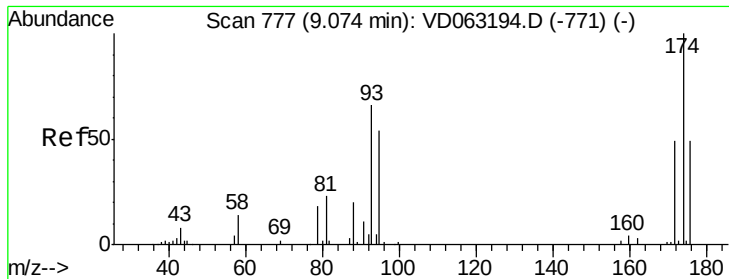
#38
 Carbon Tetrachloride
 Concen: 4.452 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.08 min
 Lab File: VD06340.D
 Acq: 3 Aug 2019 3:44

Tgt Ion: 117 Resp: 29268
 Ion Ratio Lower Upper
 117 100
 119 0.0 78.2 117.2#
 121 0.0 22.1 33.1#



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

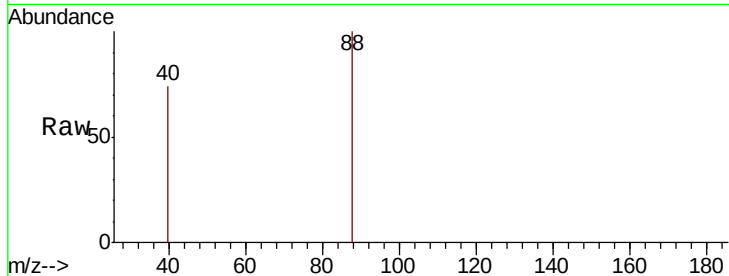




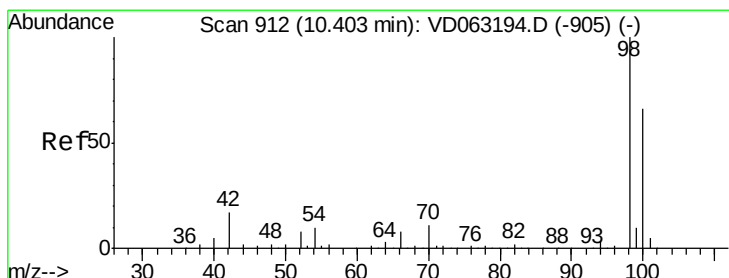
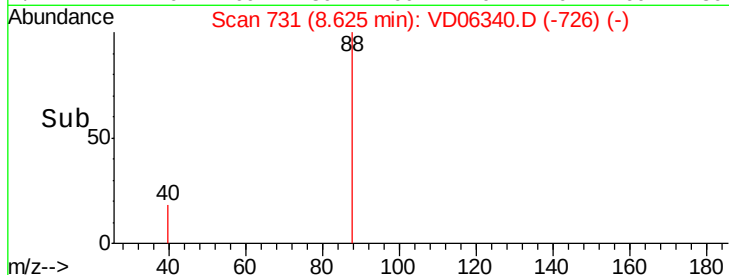
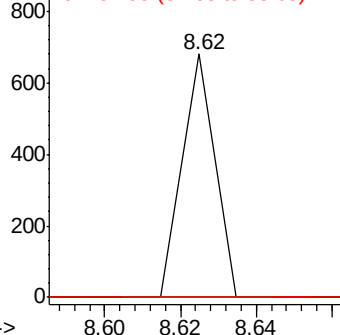
#49
 1,4-Dioxane
 Concen: 25.185 ug/l
 RT: 8.62 min Scan# 731
 Delta R.T. -0.45 min
 Lab File: VD06340.D
 Acq: 3 Aug 2019 3:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 88 Resp: 402
 Ion Ratio Lower Upper
 88 100
 43 0.0 30.7 46.1#
 58 0.0 56.5 84.7#

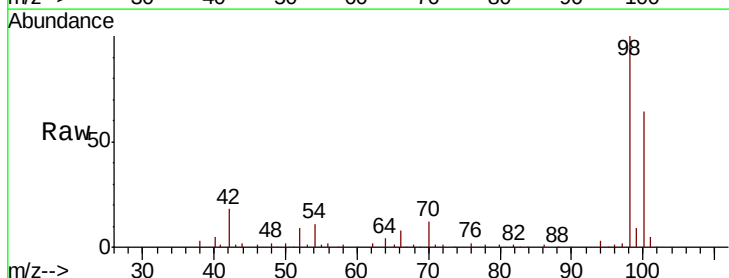


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

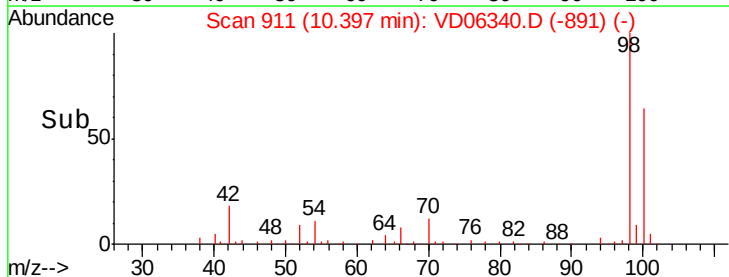
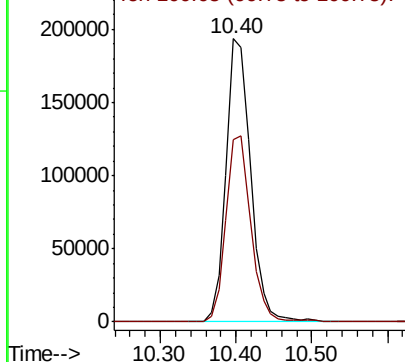


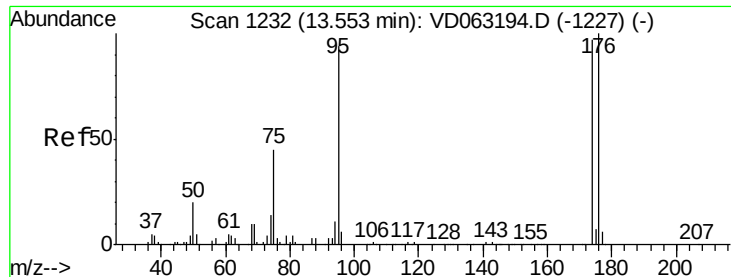
#50
 Toluene-d8
 Concen: 47.421 ug/l
 RT: 10.40 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VD06340.D
 Acq: 3 Aug 2019 3:44

Tgt Ion: 98 Resp: 433558
 Ion Ratio Lower Upper
 98 100
 100 64.3 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: 48.308 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD06340.D

Acq: 3 Aug 2019 3:44

Instrument :

MSVOA_D

ClientSampled :

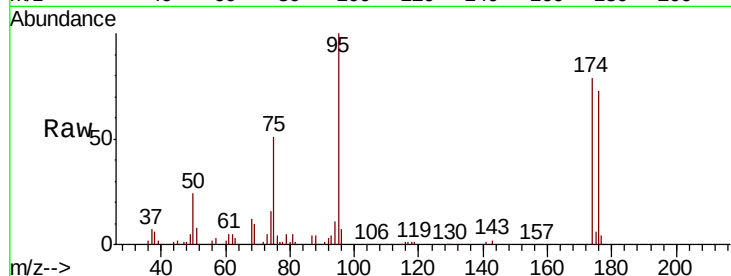
Tgt Ion: 95 Resp: 201268

Ion Ratio Lower Upper

95 100

174 79.0 0.0 205.4

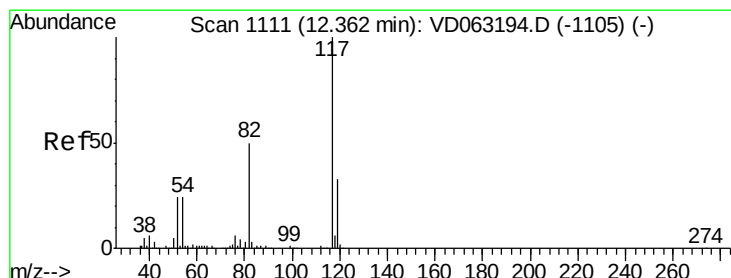
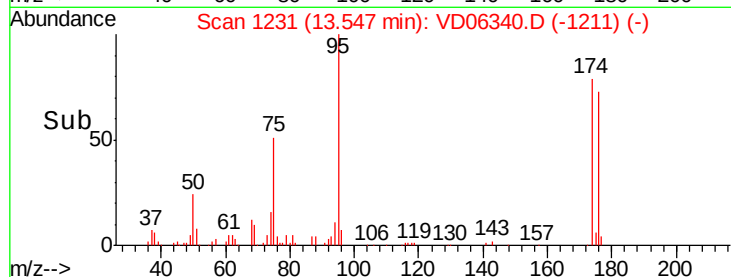
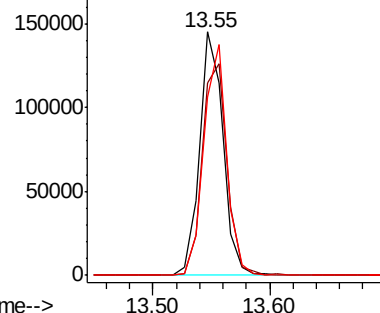
176 73.4 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD06340.D

Acq: 3 Aug 2019 3:44

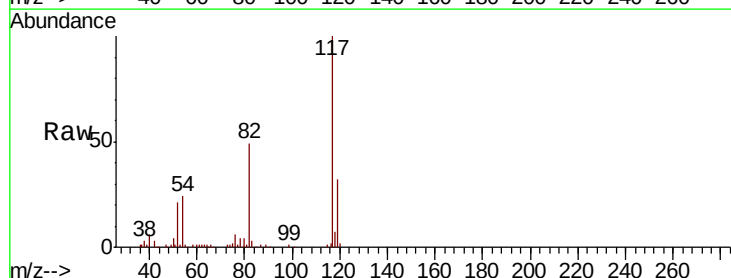
Tgt Ion: 117 Resp: 445353

Ion Ratio Lower Upper

117 100

82 49.2 40.1 60.1

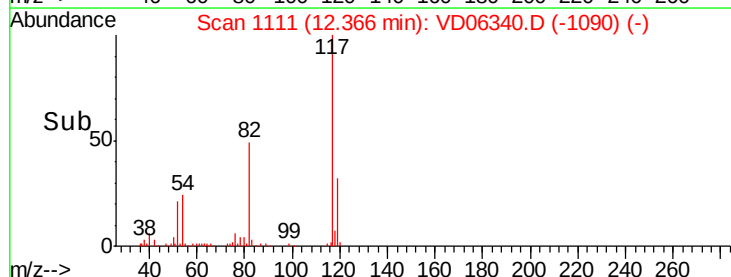
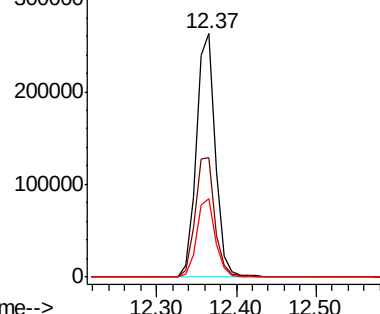
119 32.2 26.5 39.7

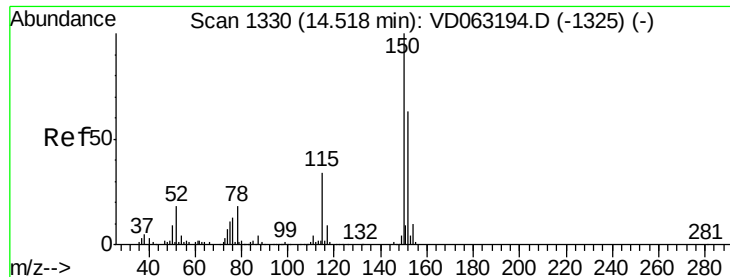


Abundance Ion 116.95 (116.65 to 117.65): VDC

Ion 82.05 (81.75 to 82.75): VDC

Ion 118.95 (118.65 to 119.65): VDC



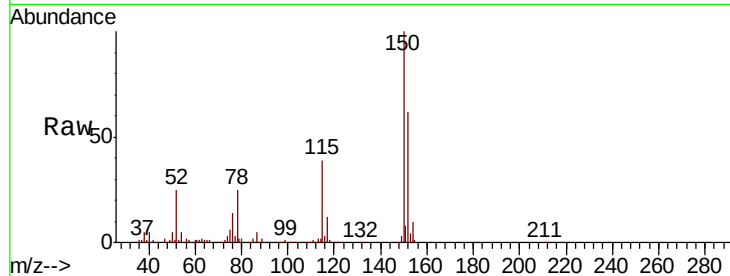


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD06340.D
Acq: 3 Aug 2019 3:44

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.9	27.5	82.4
150	160.6	0.0	320.6

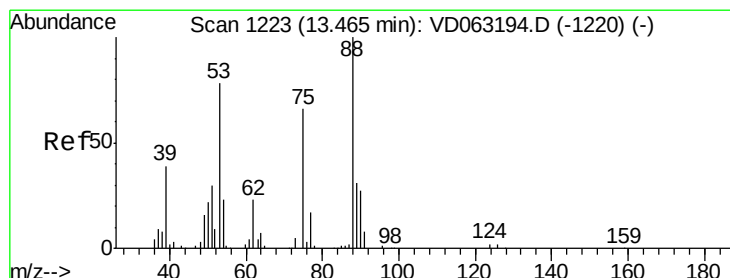
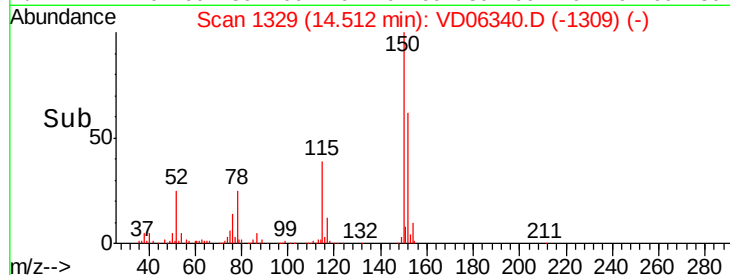
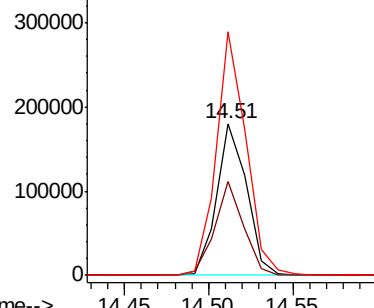


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

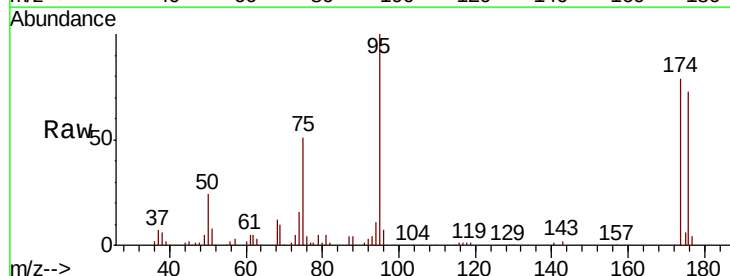
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 127.989 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.08 min
Lab File: VD06340.D
Acq: 3 Aug 2019 3:44

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	94.9	142.3#
89	0.0	37.4	56.0#



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

