

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
 Data File : VD063737.D
 Acq On : 22 Aug 2019 16:56
 Operator : JC/SY
 Sample : K4386-19RE
 Misc : 5.51g/5ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A4-(2)RE

Quant Time: Aug 23 06:59:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	57168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	95984	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	89081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	55358	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	86199	141.06	ug/l	0.00
Spiked Amount			Recovery	=	282.12%	
35) Dibromofluoromethane	6.93	113	61988	76.68	ug/l	0.00
Spiked Amount			Recovery	=	153.36%	
50) Toluene-d8	10.41	98	122669	69.02	ug/l	0.00
Spiked Amount			Recovery	=	138.04%	
62) 4-Bromofluorobenzene	13.55	95	56976	70.73	ug/l	0.00
Spiked Amount			Recovery	=	141.46%	

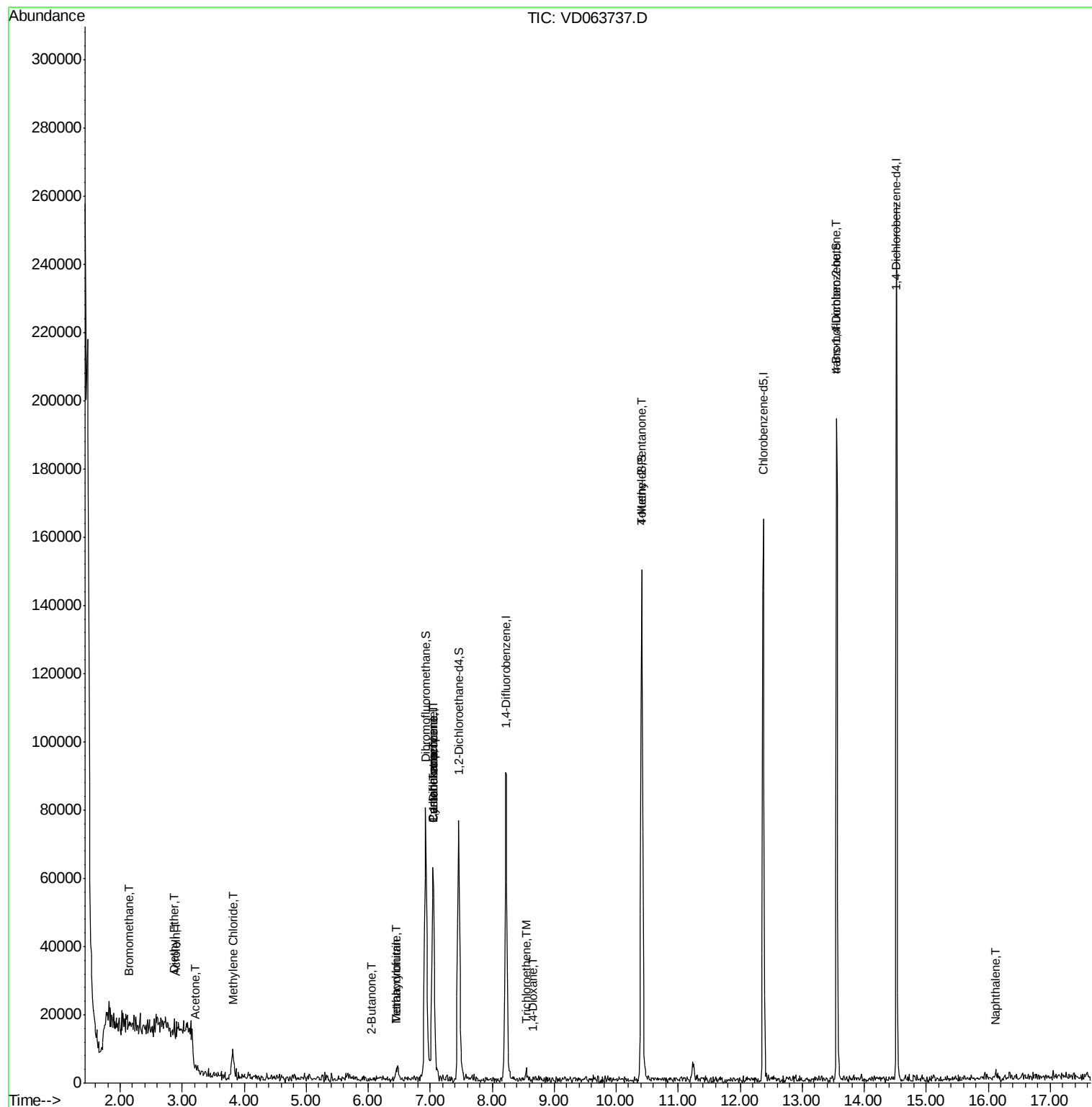
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	1844	7.285	ug/l #	11
8) Diethyl Ether	2.86	74	395	2.659	ug/l #	35
13) Acrolein	2.91	56	294	11.228	ug/l #	71
16) Acetone	3.23	43	1154	9.290	ug/l #	65
20) Methylene Chloride	3.82	84	4003	7.452	ug/l #	70
25) 2-Butanone	6.05	43	193	1.573	ug/l #	58
29) Tetrahydrofuran	6.46	42	965	16.880	ug/l #	13
31) Cyclohexane	7.04	56	1083	1.963	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	3984	4.695	ug/l #	42
38) Carbon Tetrachloride	7.06	117	6523	5.101	ug/l #	13
41) Methacrylonitrile	6.46	41	1067	2.383	ug/l #	77
44) Trichloroethene	8.54	130	1526	2.138	ug/l	47
49) 1,4-Dioxane	8.66	88	286	121.458	ug/l #	34
51) 4-Methyl-2-Pentanone	10.40	43	864	2.652	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	26332	154.206	ug/l #	1
95) Naphthalene	16.12	128	1705	1.035	ug/l #	71

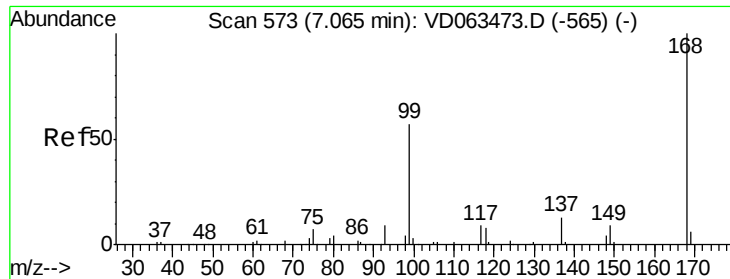
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 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: VD063737.D

Acq: 22 Aug 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

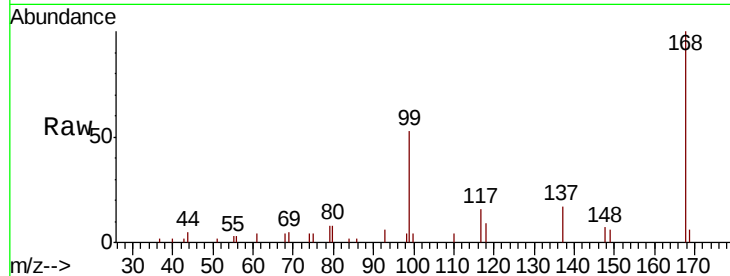
T6-A4-(2)RE

Tgt Ion:168 Resp: 57168

Ion Ratio Lower Upper

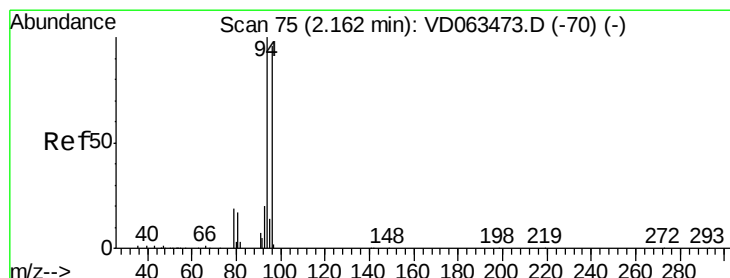
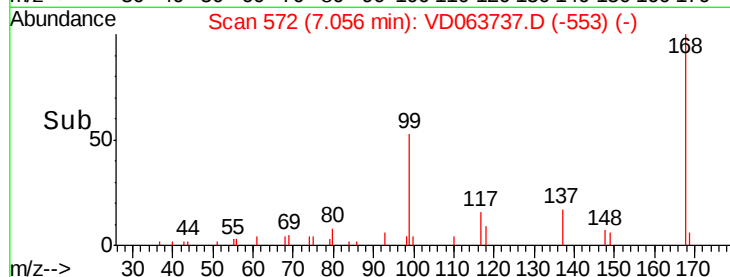
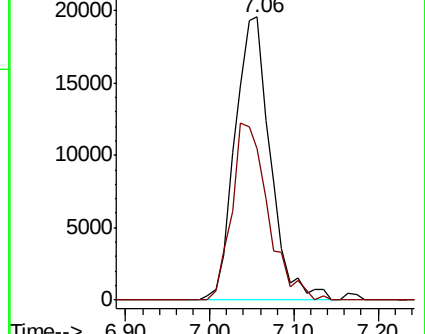
168 100

99 53.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 7.285 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063737.D

Acq: 22 Aug 2019 16:56

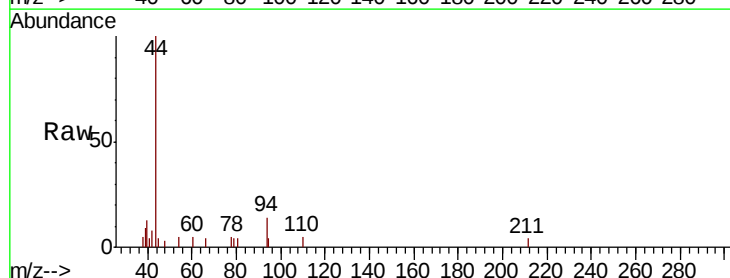
Tgt Ion: 94 Resp: 1844

Ion Ratio Lower Upper

94 100

96 0.0 76.5 114.7#

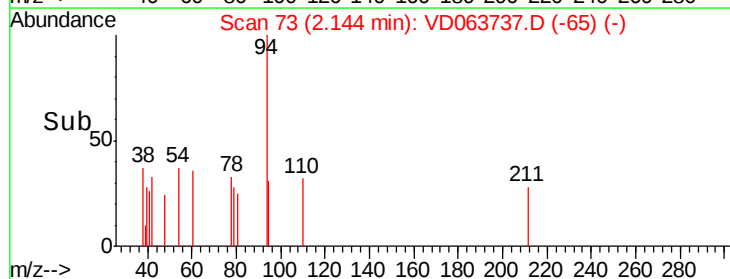
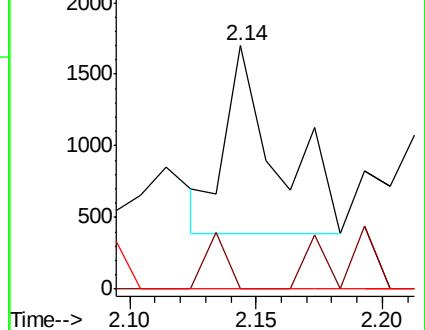
93 0.0 15.8 23.8#

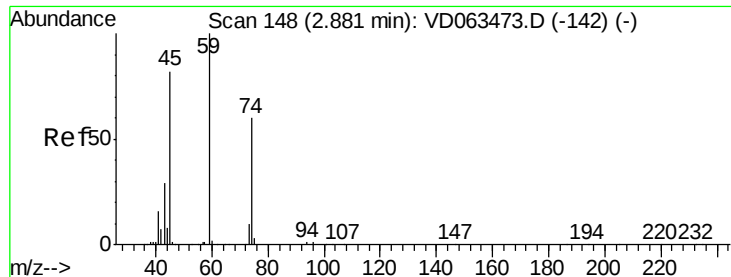


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

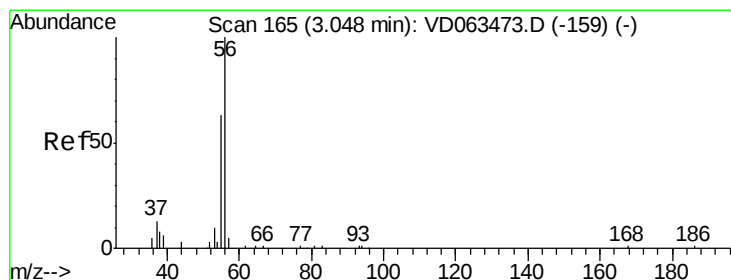
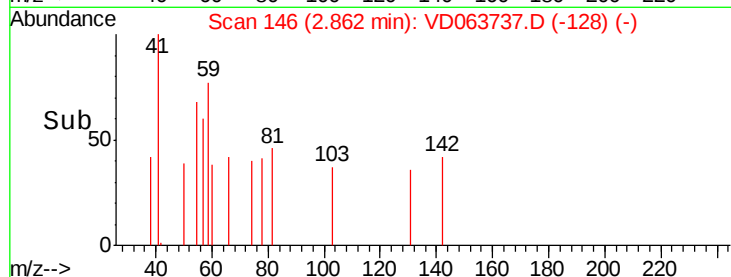
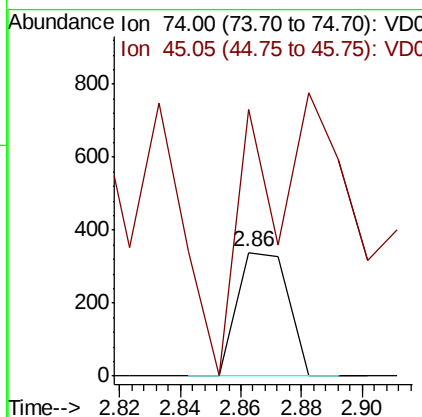
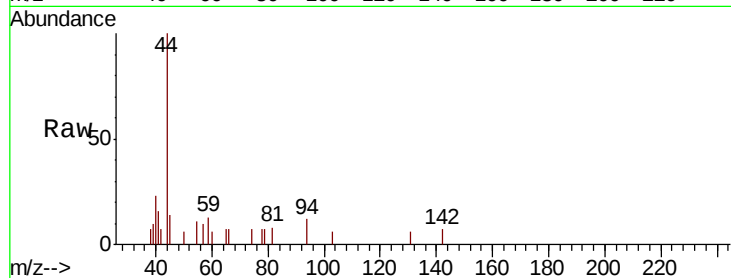




#8
Diethyl Ether
Concen: 2.659 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.02 min
Lab File: VD063737.D
Acq: 22 Aug 2019 16:56

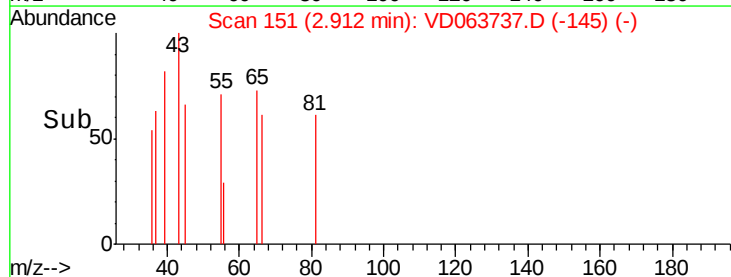
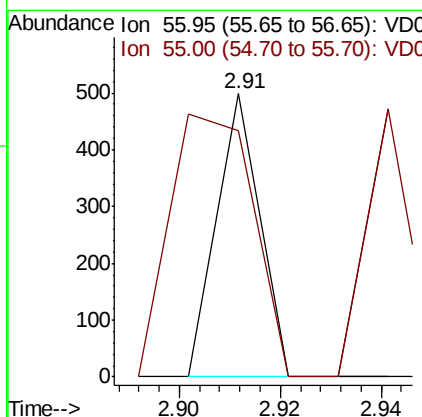
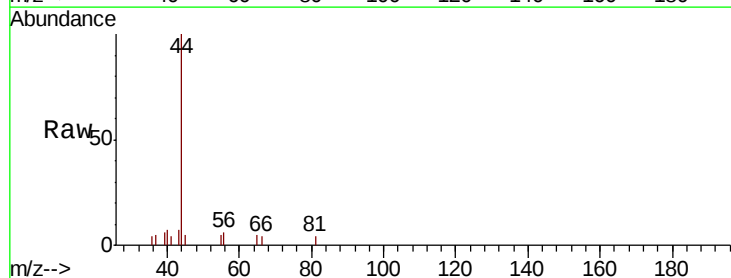
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T6-A4-(2)RE

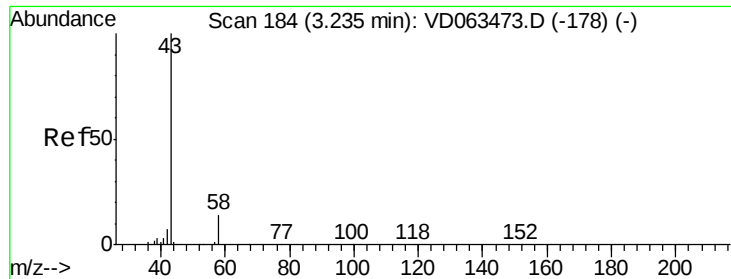
Tgt Ion: 74 Resp: 395
Ion Ratio Lower Upper
74 100
45 214.7 68.5 205.5#



#13
Acrolein
Concen: 11.228 ug/l
RT: 2.91 min Scan# 151
Delta R.T. -0.14 min
Lab File: VD063737.D
Acq: 22 Aug 2019 16:56

Tgt Ion: 56 Resp: 294
Ion Ratio Lower Upper
56 100
55 86.9 51.3 76.9#





#16

Acetone

Concen: 9.290 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063737.D

Acq: 22 Aug 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

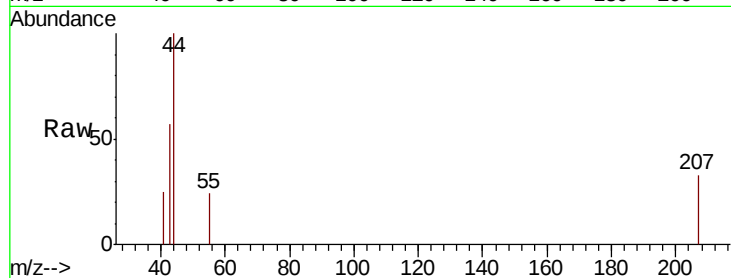
T6-A4-(2)RE

Tgt Ion: 43 Resp: 1154

Ion Ratio Lower Upper

43 100

58 0.0 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

1000

800

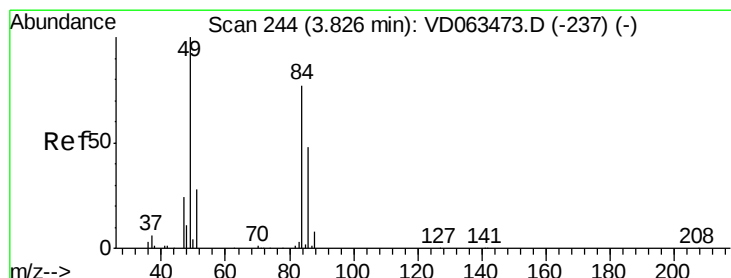
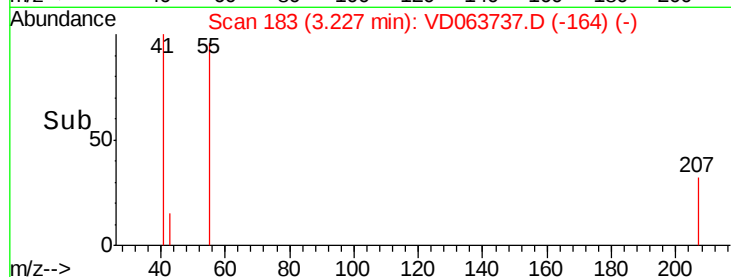
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 7.452 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD063737.D

Acq: 22 Aug 2019 16:56

Tgt Ion: 84 Resp: 4003

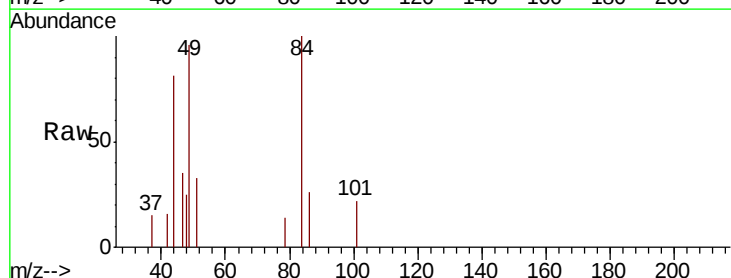
Ion Ratio Lower Upper

84 100

49 95.9 103.4 155.2#

51 32.6 28.5 42.7

86 25.6 49.4 74.2#



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

4000

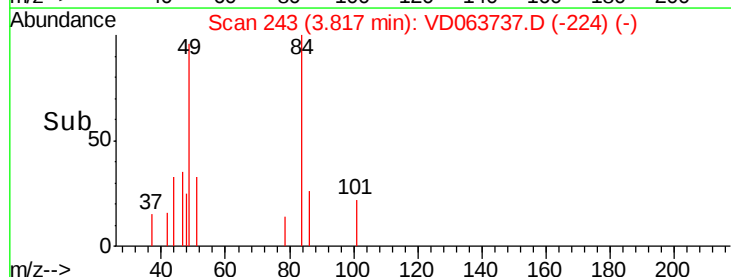
3000

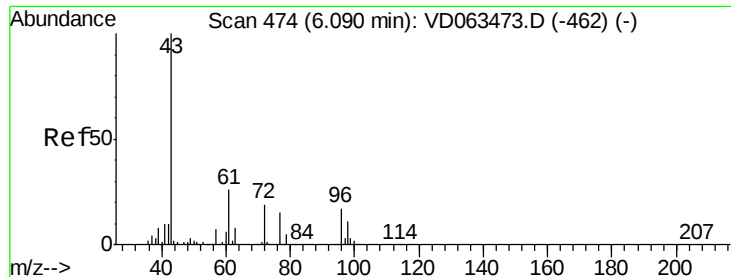
2000

1000

0

Time-->

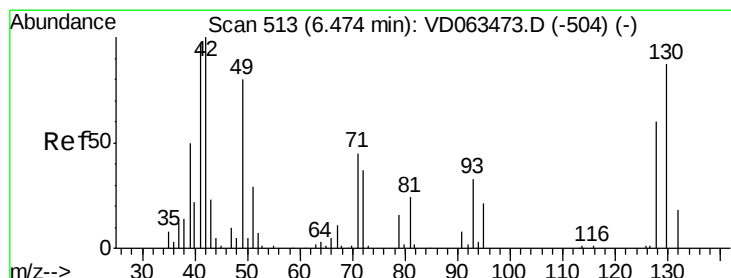
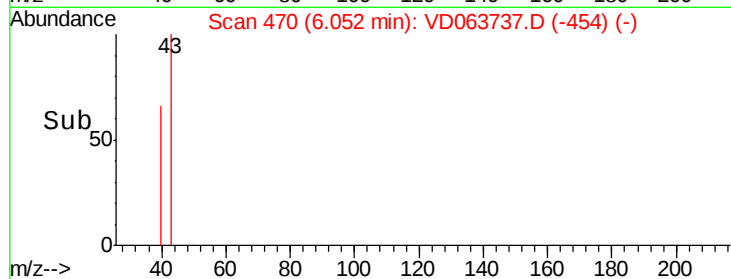
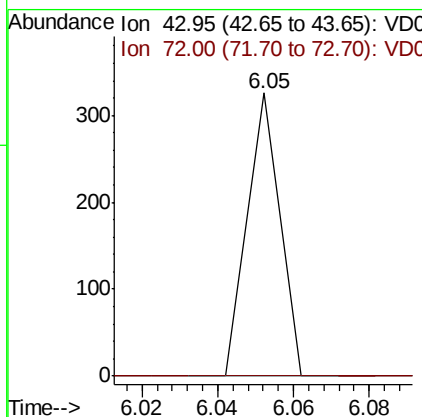
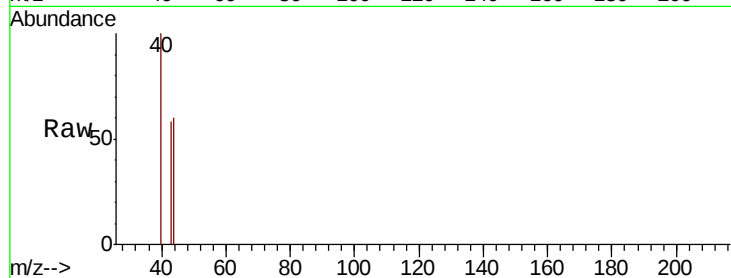




#25
2-Butanone
Concen: 1.573 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.04 min
Lab File: VD063737.D
Acq: 22 Aug 2019 16:56

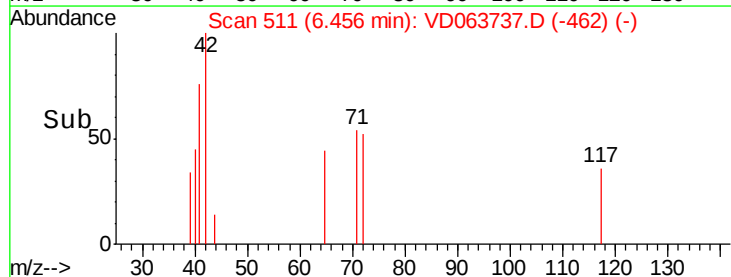
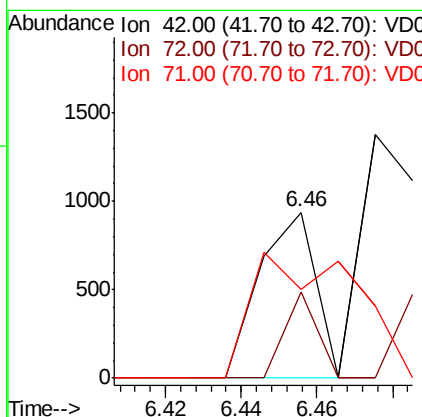
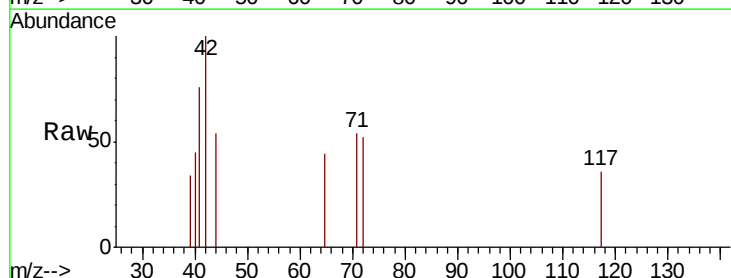
Instrument :
MSVOA_D
ClientSampleId :
T6-A4-(2)RE

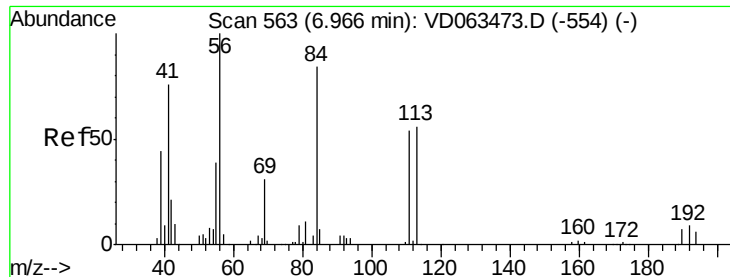
Tgt Ion: 43 Resp: 193
Ion Ratio Lower Upper
43 100
72 0.0 15.1 22.7#



#29
Tetrahydrofuran
Concen: 16.880 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063737.D
Acq: 22 Aug 2019 16:56

Tgt Ion: 42 Resp: 965
Ion Ratio Lower Upper
42 100
72 29.7 31.5 47.3#
71 139.8 33.8 50.8#

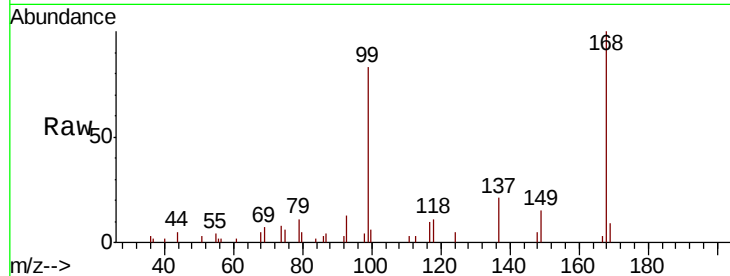




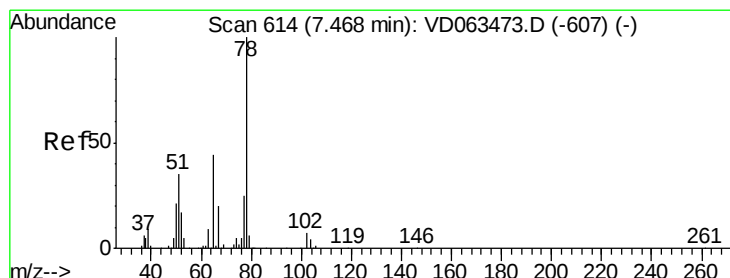
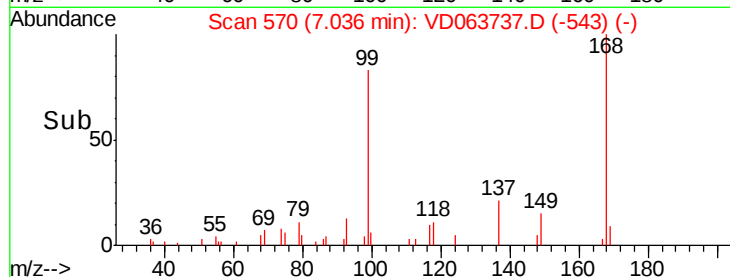
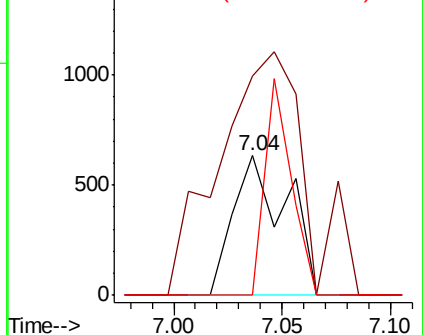
#31
Cyclohexane
Concen: 1.963 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063737.D
Acq: 22 Aug 2019 16:56

Instrument :
MSVOA_D
ClientSampleId :
T6-A4-(2)RE

Tgt Ion: 56 Resp: 1083
Ion Ratio Lower Upper
56 100
69 156.9 25.0 37.6#
84 0.0 69.7 104.5#

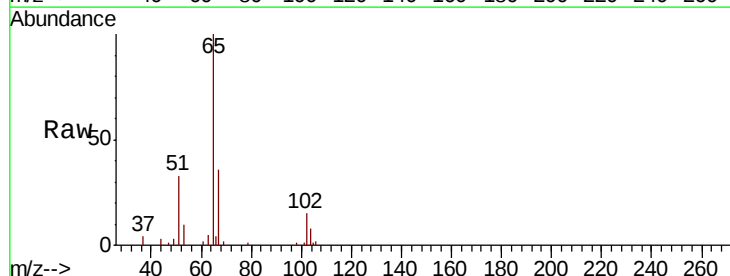


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

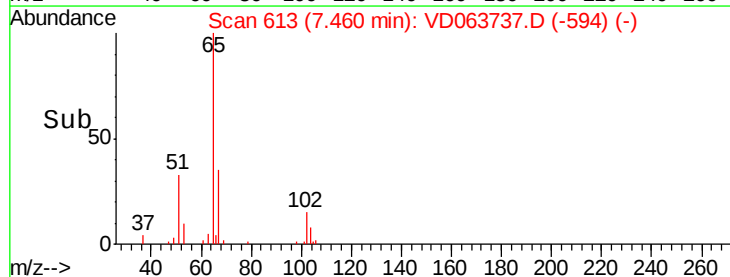
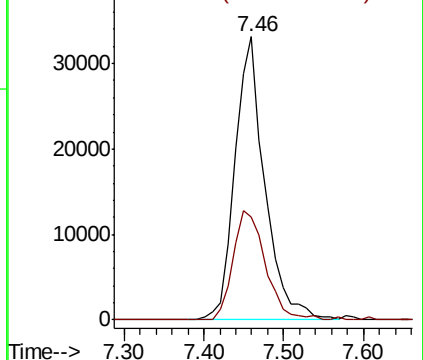


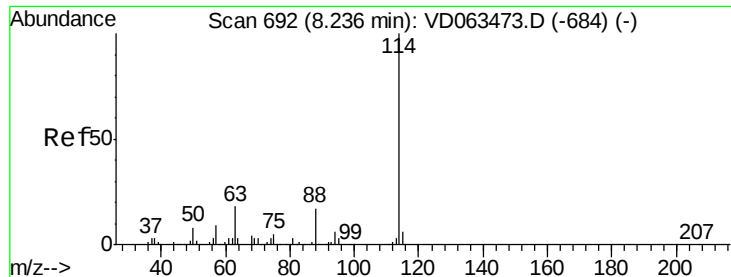
#33
1,2-Dichloroethane-d4
Concen: 141.060 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063737.D
Acq: 22 Aug 2019 16:56

Tgt Ion: 65 Resp: 86199
Ion Ratio Lower Upper
65 100
67 36.3 0.0 89.2



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: VD063737.D

Acq: 22 Aug 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

T6-A4-(2)RE

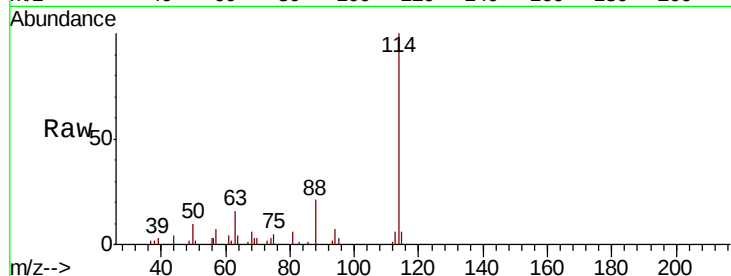
Tgt Ion:114 Resp: 95984

Ion Ratio Lower Upper

114 100

63 16.2 0.0 36.2

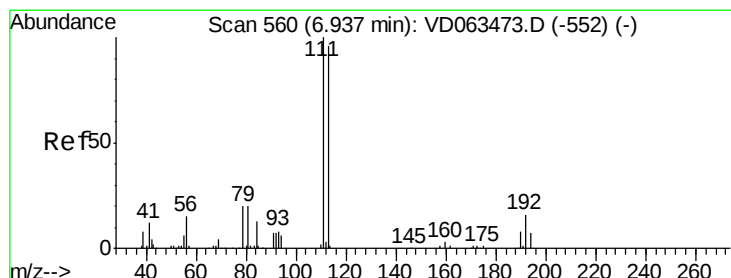
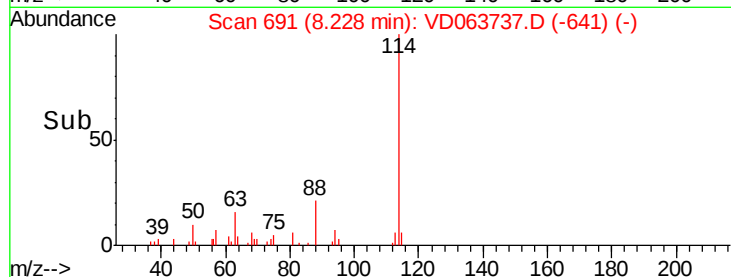
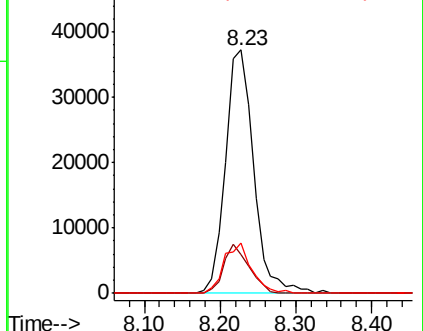
88 20.7 0.0 35.0



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: 76.681 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063737.D

Acq: 22 Aug 2019 16:56

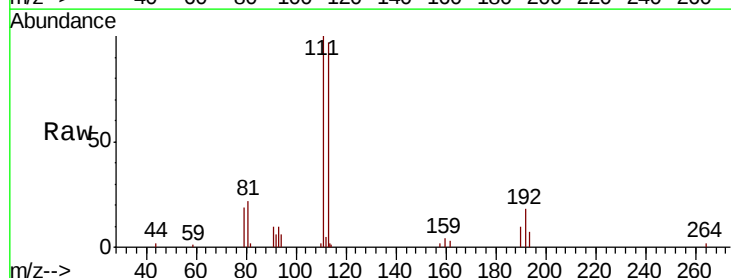
Tgt Ion:113 Resp: 61988

Ion Ratio Lower Upper

113 100

111 103.2 83.1 124.7

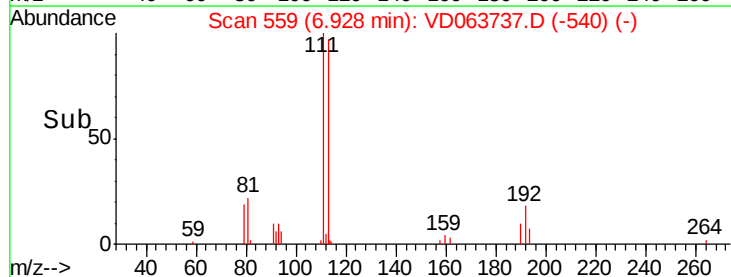
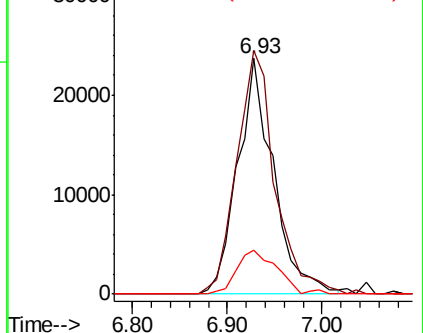
192 18.5 13.1 19.7

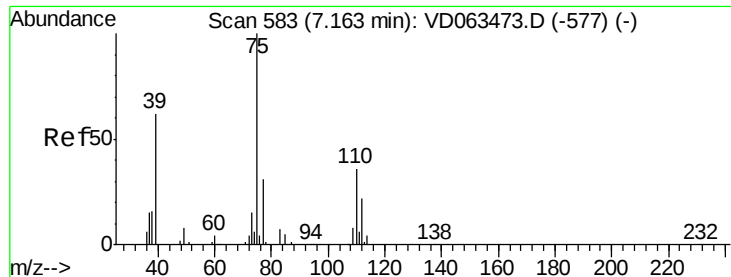


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

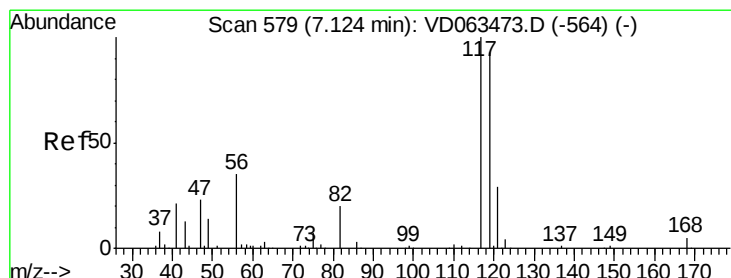
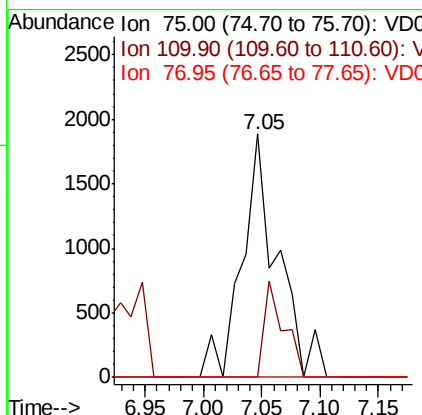
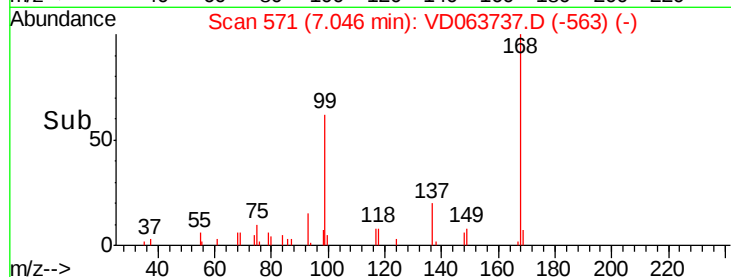
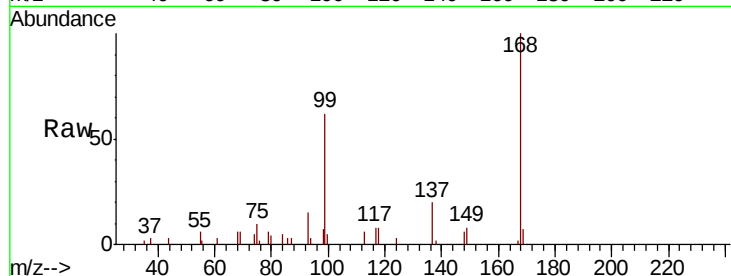




#36
 1,1-Dichloropropene
 Concen: 4.695 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.12 min
 Lab File: VD063737.D
 Acq: 22 Aug 2019 16:56

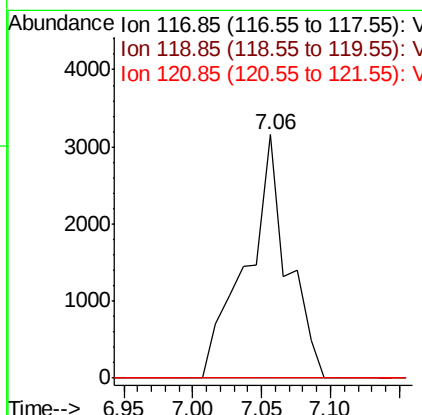
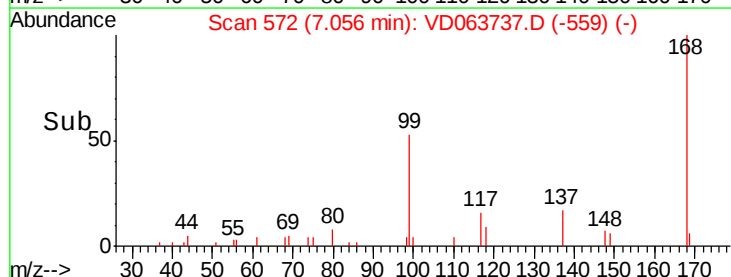
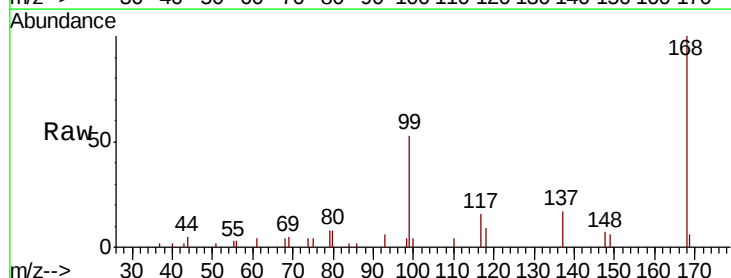
Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A4-(2)RE

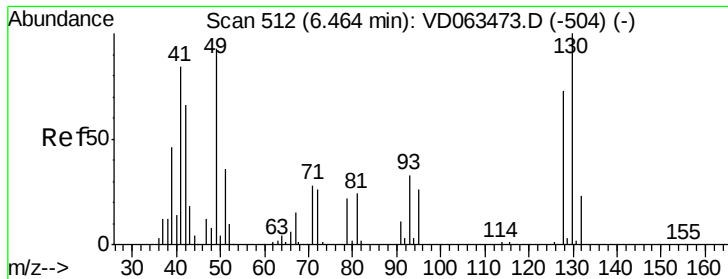
Tgt Ion: 75 Resp: 3984
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.6 52.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.101 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.07 min
 Lab File: VD063737.D
 Acq: 22 Aug 2019 16:56

Tgt Ion: 117 Resp: 6523
 Ion Ratio Lower Upper
 117 100
 119 0.0 74.2 111.2#
 121 0.0 23.1 34.7#





#41

Methacrylonitrile

Concen: 2.383 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD063737.D

Acq: 22 Aug 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

T6-A4-(2)RE

Tgt Ion: 41 Resp: 1067

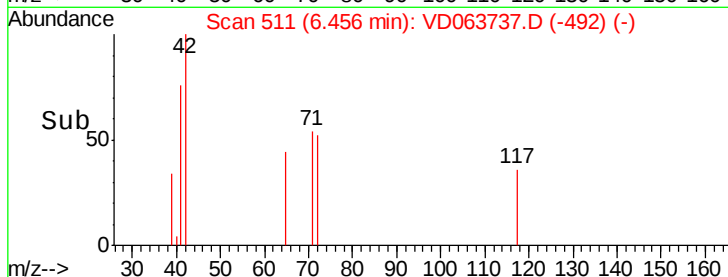
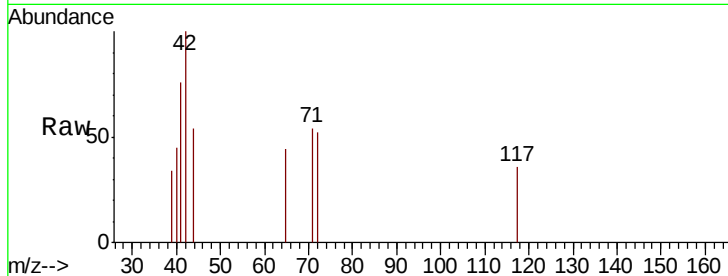
Ion Ratio Lower Upper

41 100

39 44.5 44.6 66.8#

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

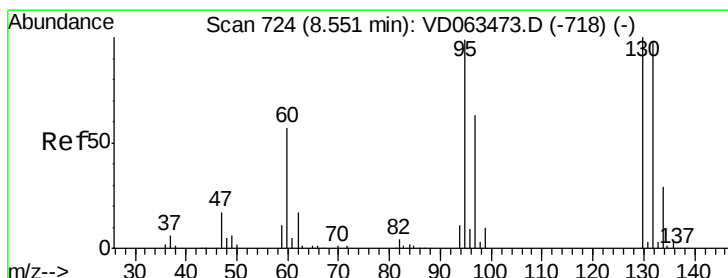
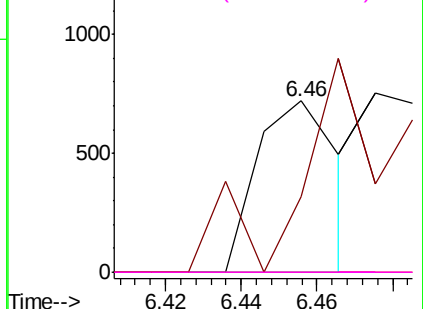


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#44

Trichloroethene

Concen: 2.138 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD063737.D

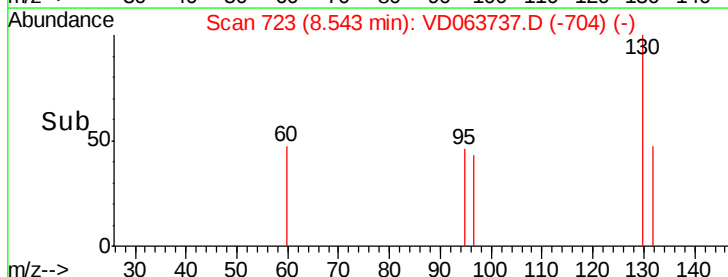
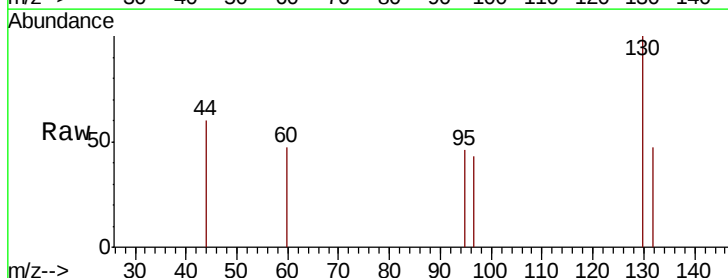
Acq: 22 Aug 2019 16:56

Tgt Ion: 130 Resp: 1526

Ion Ratio Lower Upper

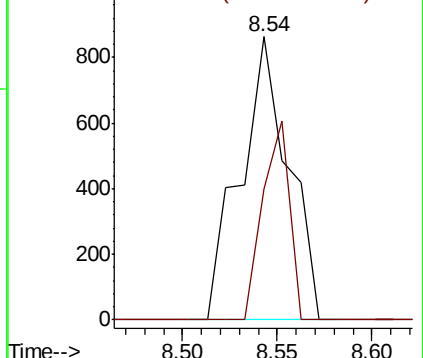
130 100

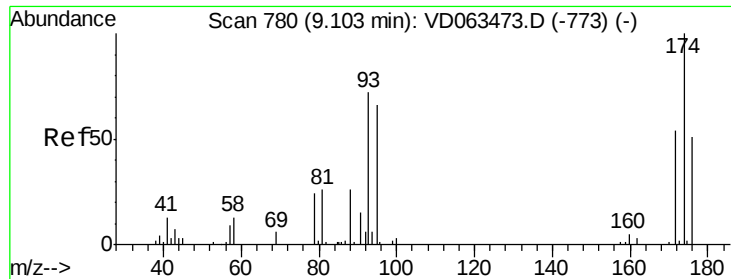
95 46.5 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

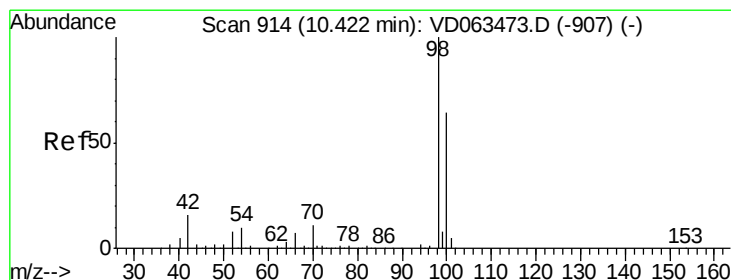
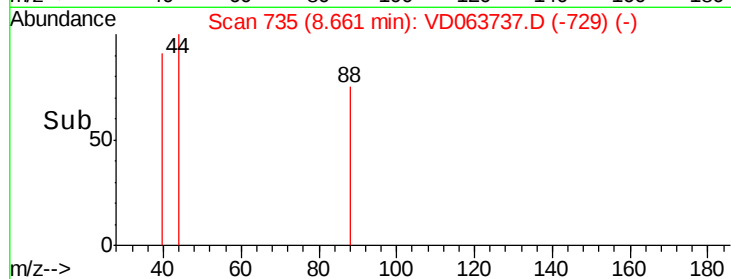
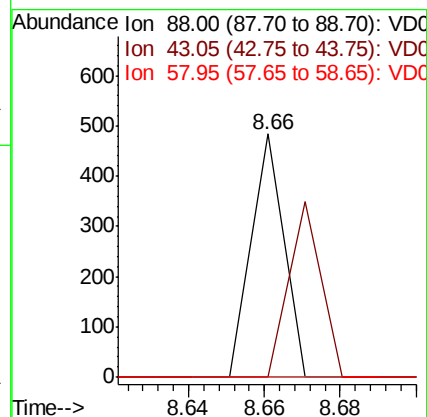
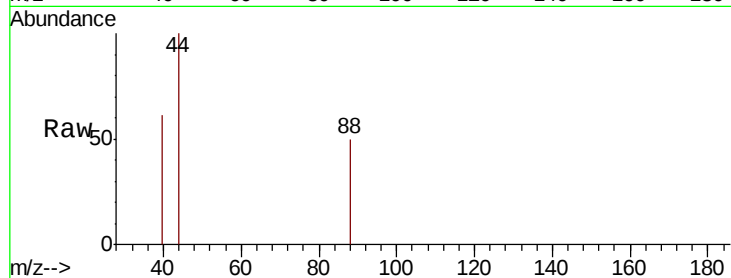




#49
 1,4-Dioxane
 Concen: 121.458 ug/l
 RT: 8.66 min Scan# 735
 Delta R.T. -0.44 min
 Lab File: VD063737.D
 Acq: 22 Aug 2019 16:56

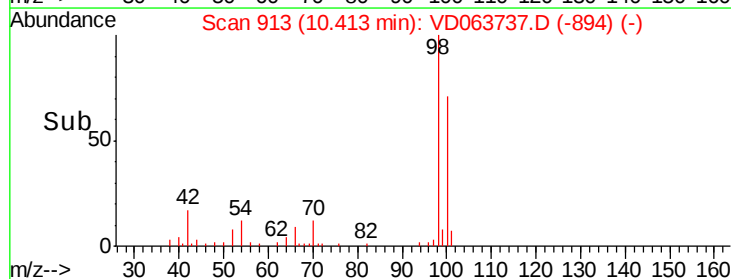
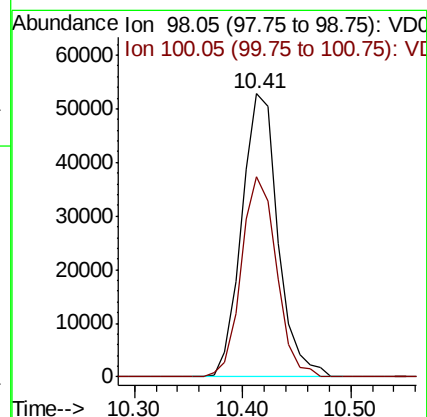
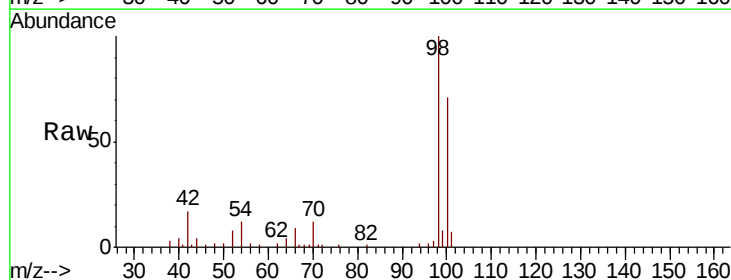
Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A4-(2)RE

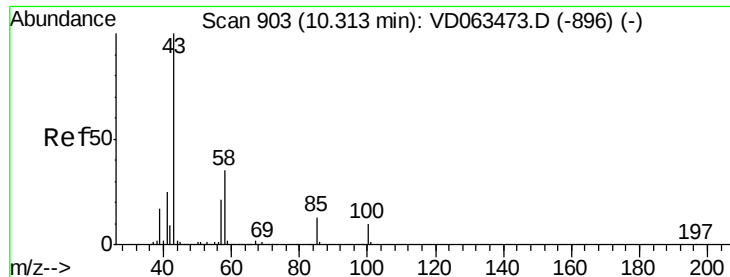
Tgt Ion: 88 Resp: 286
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.9 34.3#
 58 0.0 40.1 60.1#



#50
 Toluene-d8
 Concen: 69.021 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VD063737.D
 Acq: 22 Aug 2019 16:56

Tgt Ion: 98 Resp: 122669
 Ion Ratio Lower Upper
 98 100
 100 70.8 51.7 77.5

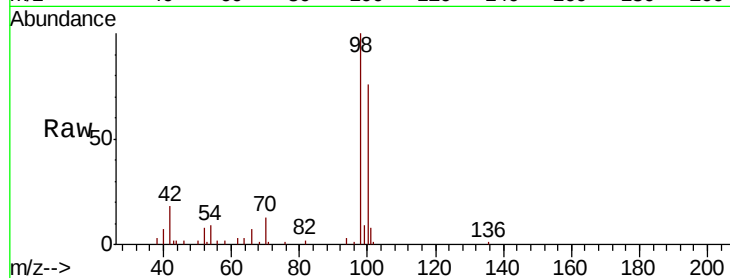




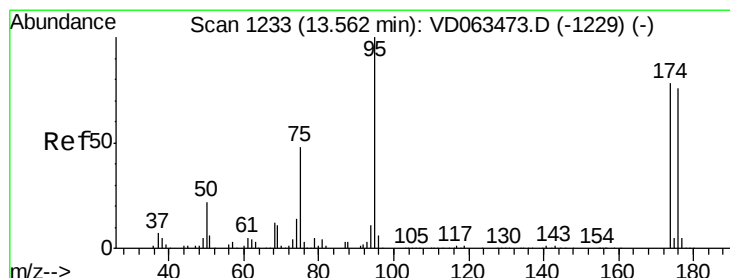
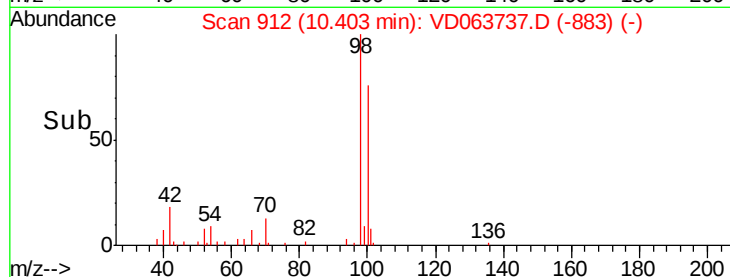
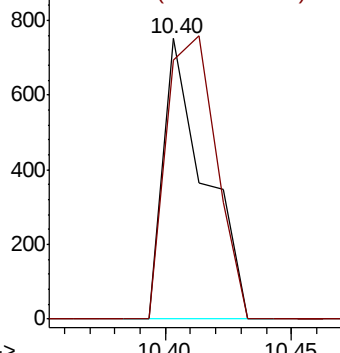
#51
 4-Methyl-2-Pentanone
 Concen: 2.652 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. 0.09 min
 Lab File: VD063737.D
 Acq: 22 Aug 2019 16:56

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A4-(2)RE

Tgt Ion: 43 Resp: 864
 Ion Ratio Lower Upper
 43 100
 58 92.4 28.0 42.0#

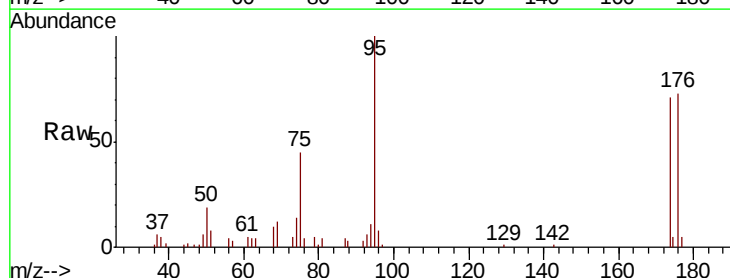


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

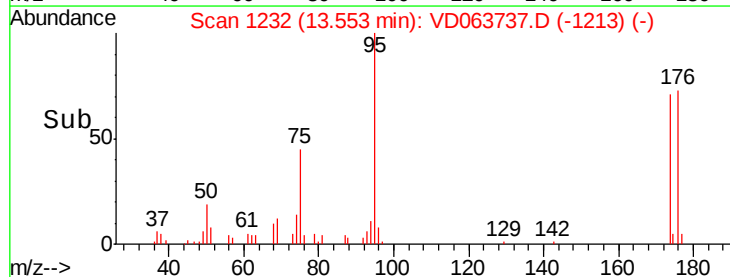
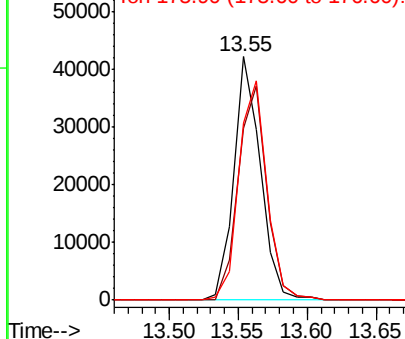


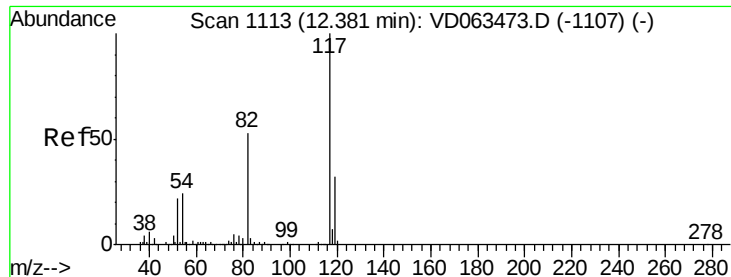
#62
 4-Bromofluorobenzene
 Concen: 70.731 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063737.D
 Acq: 22 Aug 2019 16:56

Tgt Ion: 95 Resp: 56976
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 155.4
 176 72.7 0.0 152.4



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

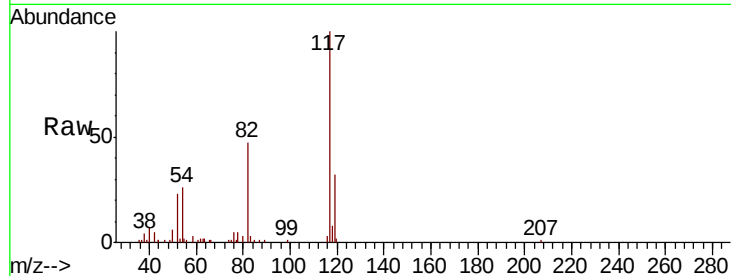




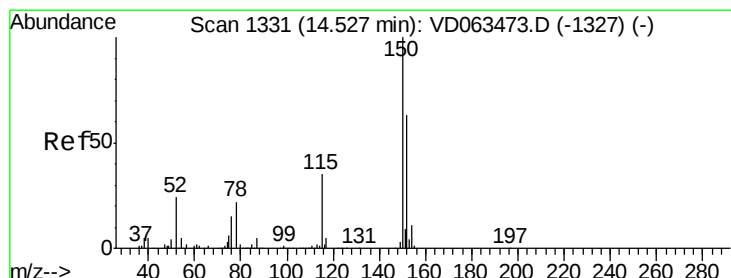
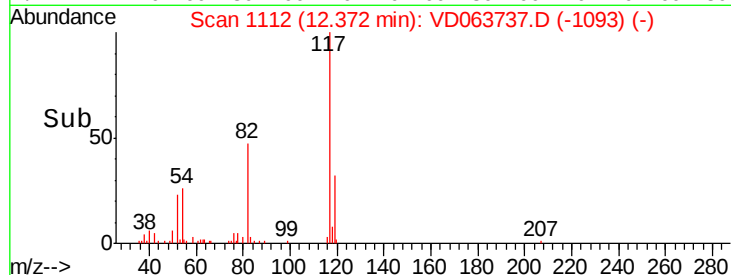
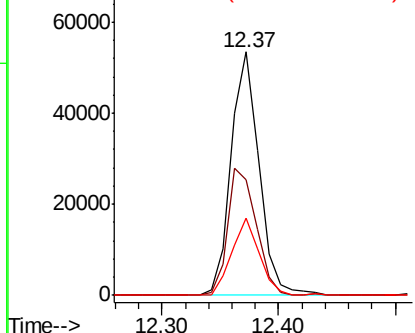
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063737.D
Acq: 22 Aug 2019 16:56

Instrument :
MSVOA_D
ClientSampleId :
T6-A4-(2)RE

Tgt Ion:117 Resp: 89081
Ion Ratio Lower Upper
117 100
82 47.3 42.0 63.0
119 31.7 25.4 38.0

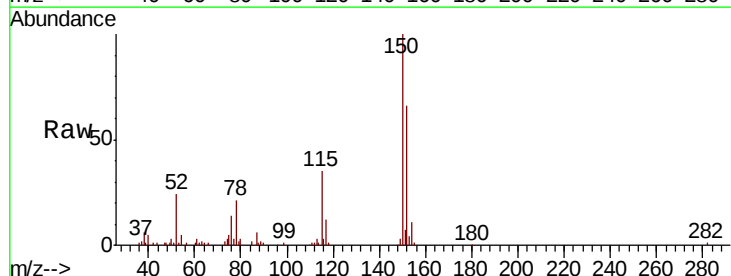


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

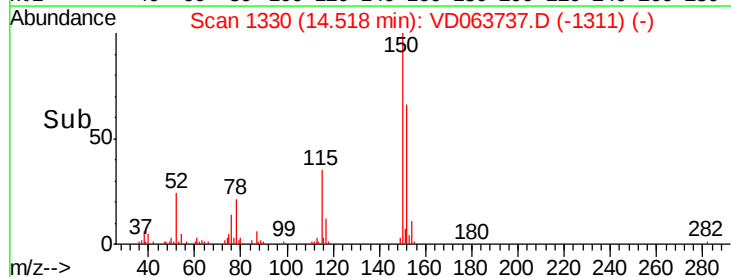
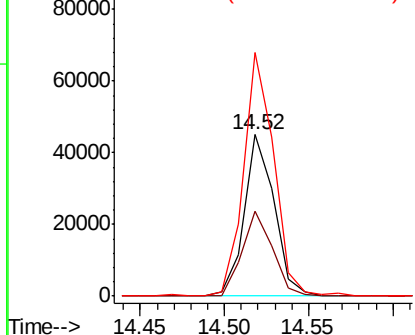


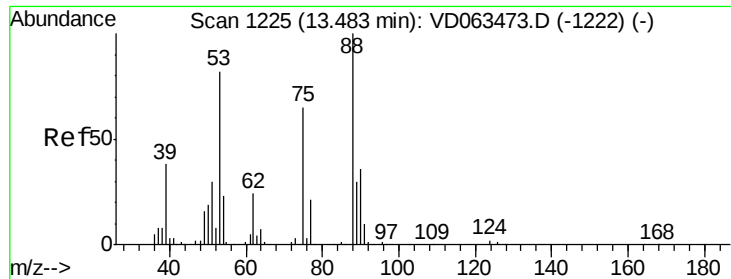
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063737.D
Acq: 22 Aug 2019 16:56

Tgt Ion:152 Resp: 55358
Ion Ratio Lower Upper
152 100
115 52.9 30.9 92.7
150 150.8 0.0 318.6



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

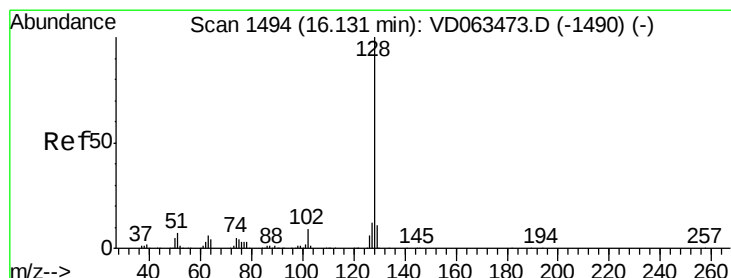
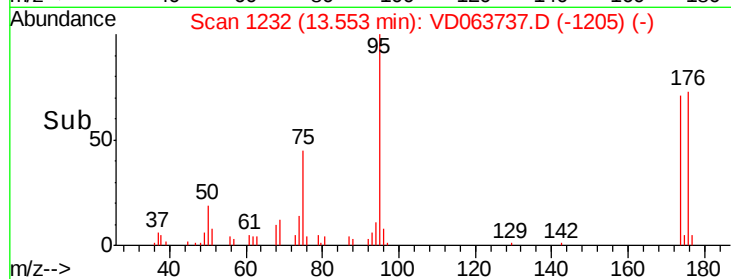
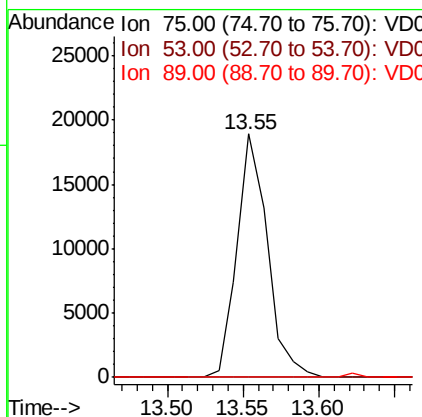
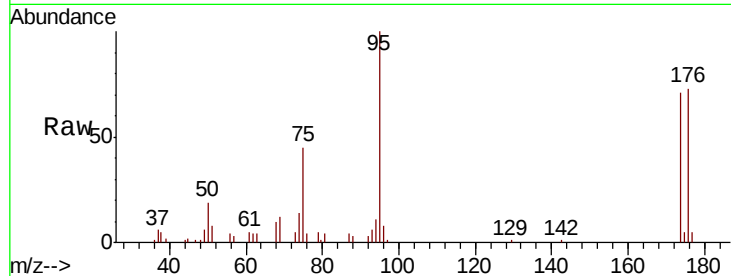




#81
 trans-1,4-Dichloro-2-butene
 Concen: 154.206 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD063737.D
 Acq: 22 Aug 2019 16:56

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A4-(2)RE

Tgt Ion: 75 Resp: 26332
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.0 151.4#
 89 0.0 37.0 55.6#



#95
 Naphthalene
 Concen: 1.035 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: VD063737.D
 Acq: 22 Aug 2019 16:56

Tgt Ion: 128 Resp: 1705
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.4 14.0#
 129 0.0 8.5 12.7#

