

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
 Data File : VD063643.D
 Acq On : 16 Aug 2019 17:37
 Operator : JC/SY
 Sample : K4389-04
 Misc : 5.95g/5ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-E4(2)

Quant Time: Aug 17 06:02:41 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	7.04	168	1036223	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1396878	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1008057	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	398258	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	600276	54.19	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	108.38%	
35) Dibromofluoromethane	6.91	113	654623	55.64	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	111.28%	
50) Toluene-d8	10.41	98	1323894	51.18	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	13.55	95	470904	40.17	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	80.34%	

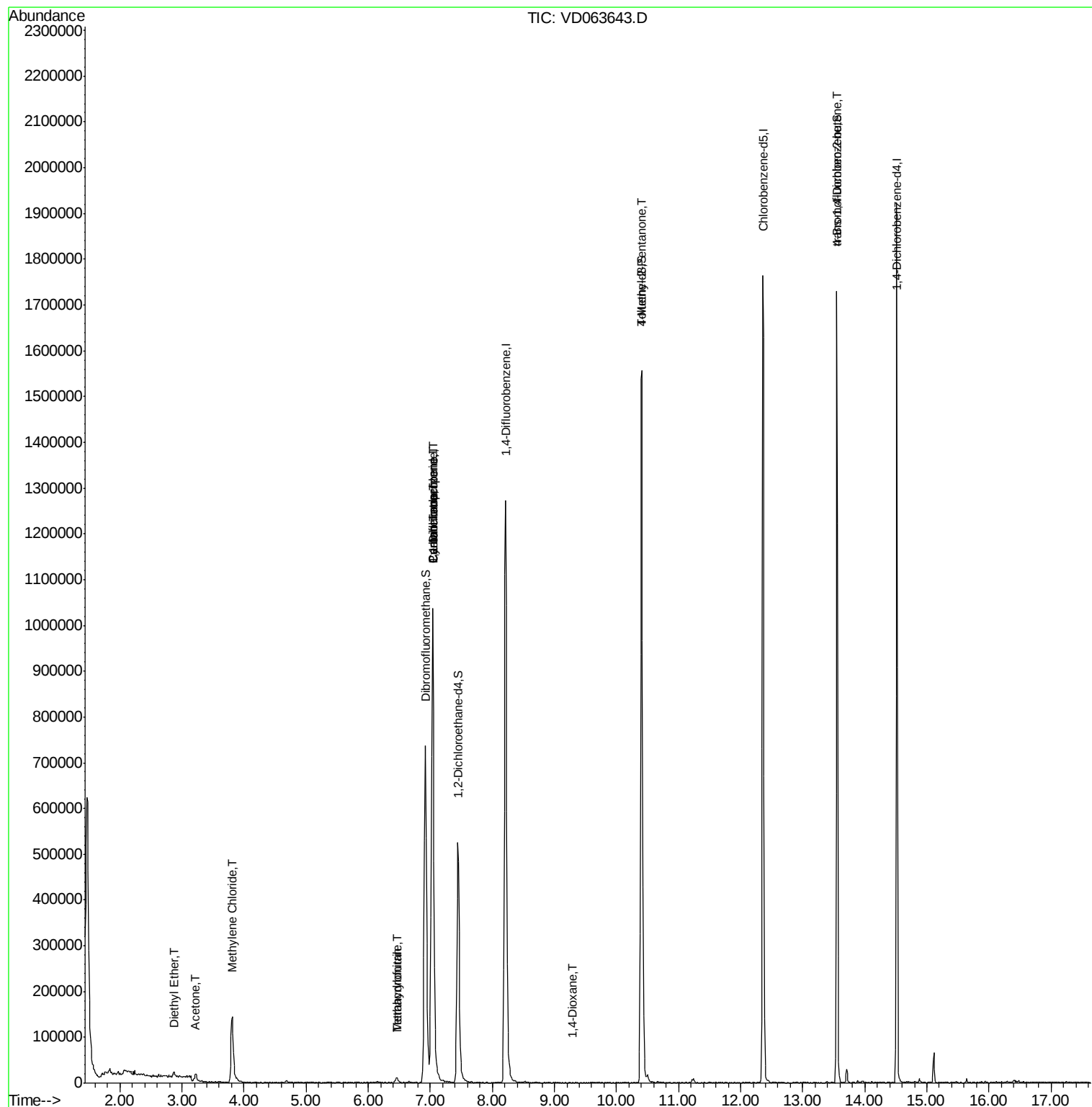
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.87	74	3986	1.480	ug/l	46
16) Acetone	3.22	43	32746	14.543	ug/l	99
20) Methylene Chloride	3.80	84	93018	9.554	ug/l	97
29) Tetrahydrofuran	6.46	42	7584	7.319	ug/l #	83
31) Cyclohexane	7.04	56	22304	2.230	ug/l #	9
36) 1,1-Dichloropropene	7.03	75	78992	6.397	ug/l #	49
38) Carbon Tetrachloride	7.04	117	109007	5.857	ug/l #	18
41) Methacrylonitrile	6.46	41	7846	1.204	ug/l #	64
49) 1,4-Dioxane	9.30	88	187	29.085	ug/l #	34
51) 4-Methyl-2-Pentanone	10.40	43	7753	1.635	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	211734	172.355	ug/l #	1

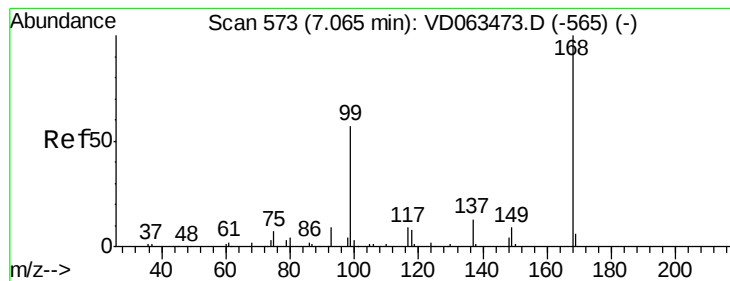
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063643.D

Acq: 16 Aug 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

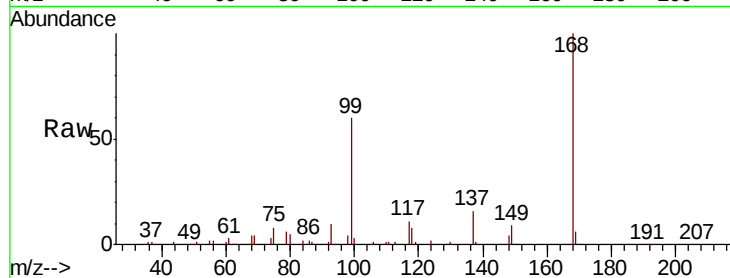
T6-E4(2)

Tgt Ion:168 Resp: 1036223

Ion Ratio Lower Upper

168 100

99 60.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

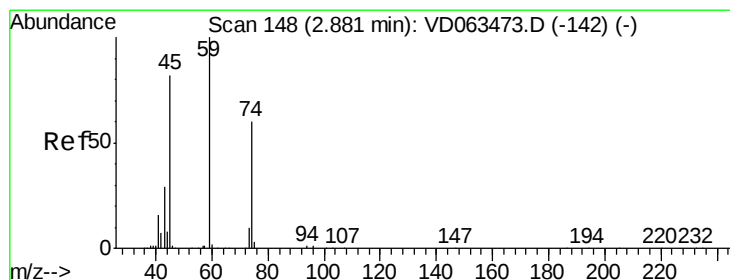
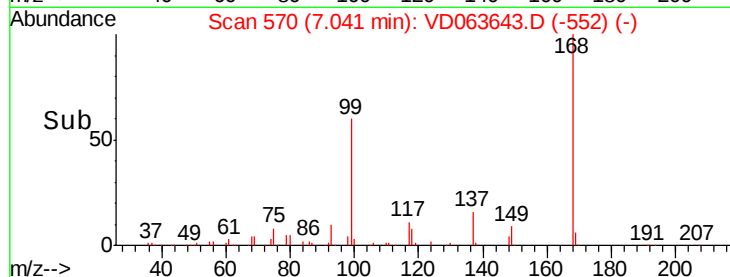
200000

100000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#8

Diethyl Ether

Concen: 1.480 ug/l

RT: 2.87 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD063643.D

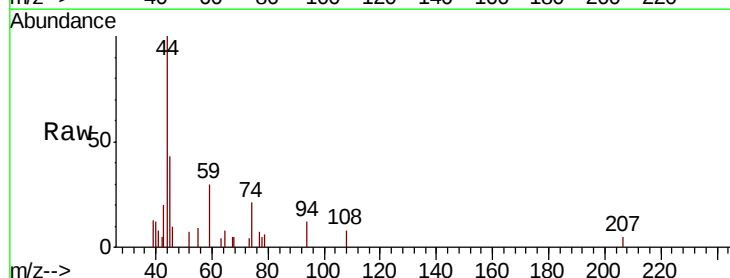
Acq: 16 Aug 2019 17:37

Tgt Ion: 74 Resp: 3986

Ion Ratio Lower Upper

74 100

45 202.1 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

3000

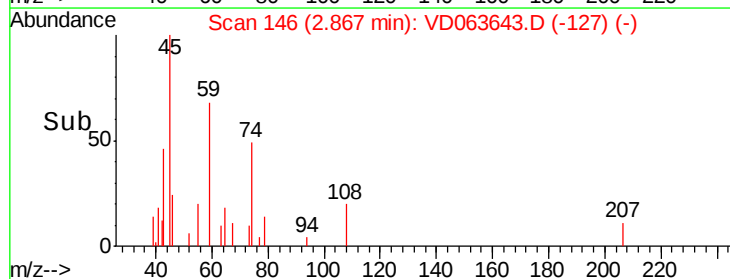
2000

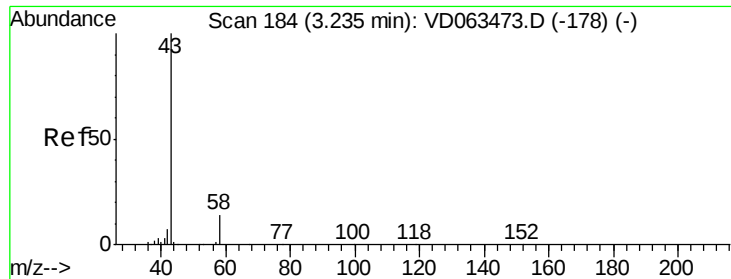
1000

0

Time-->

2.80 2.85 2.90





#16

Acetone

Concen: 14.543 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063643.D

Acq: 16 Aug 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

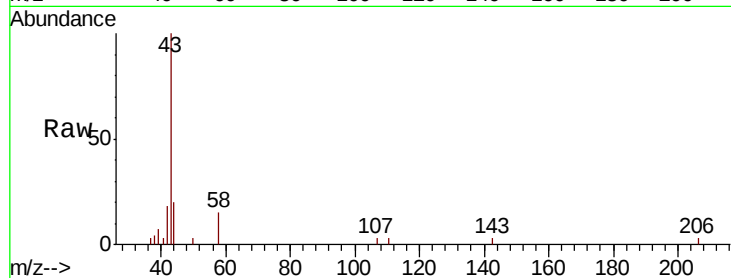
T6-E4(2)

Tgt Ion: 43 Resp: 32746

Ion Ratio Lower Upper

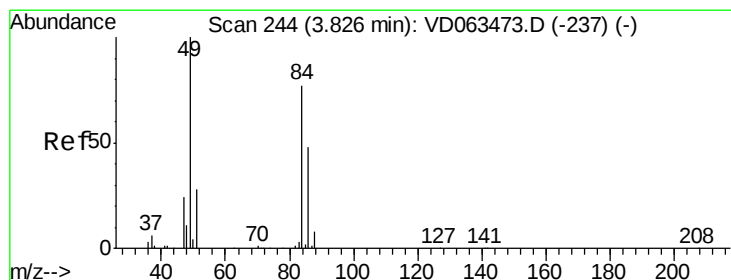
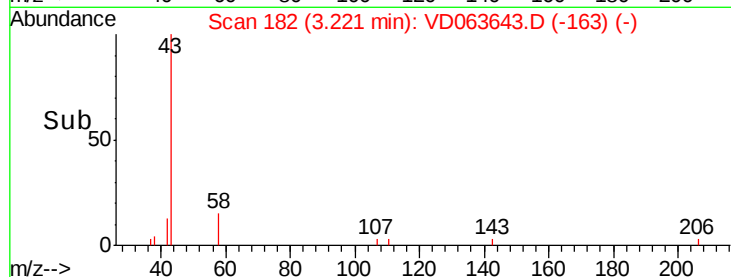
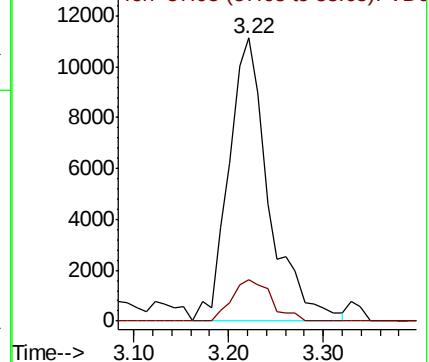
43 100

58 14.6 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 9.554 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD063643.D

Acq: 16 Aug 2019 17:37

Tgt Ion: 84 Resp: 93018

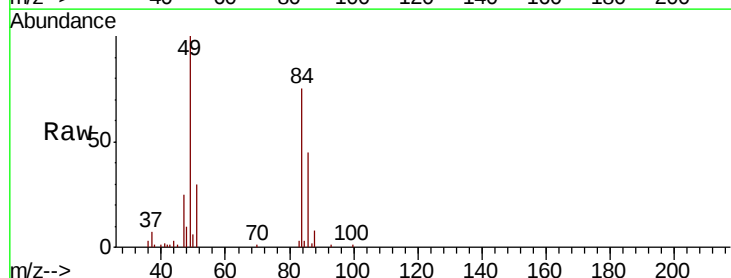
Ion Ratio Lower Upper

84 100

49 132.5 103.4 155.2

51 39.6 28.5 42.7

86 60.1 49.4 74.2

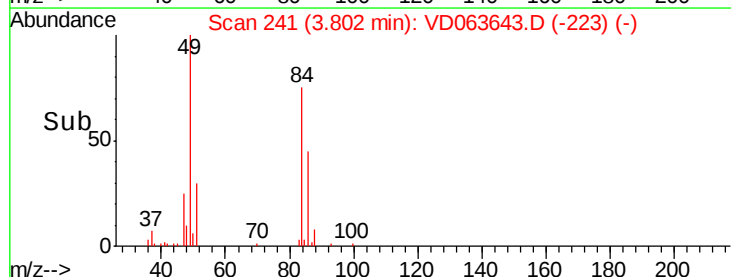
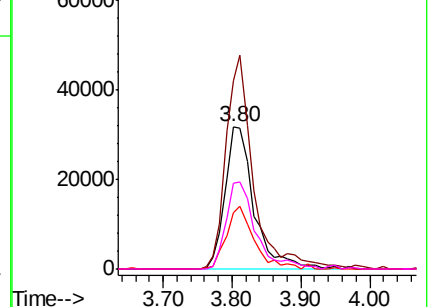


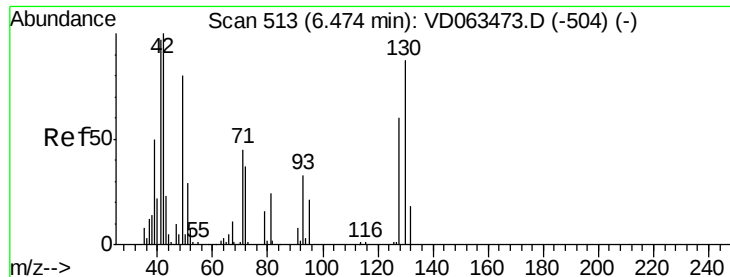
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

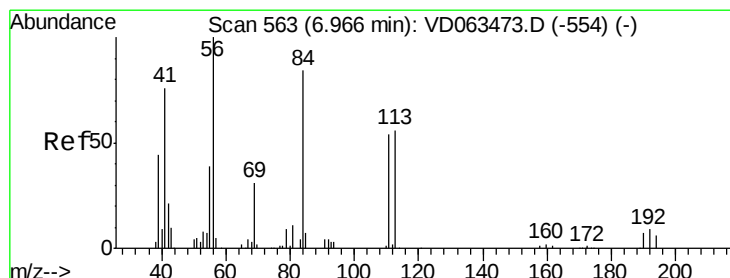
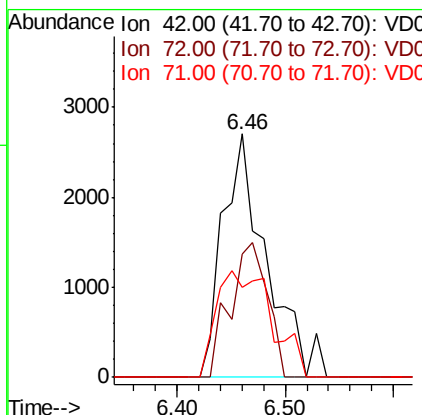
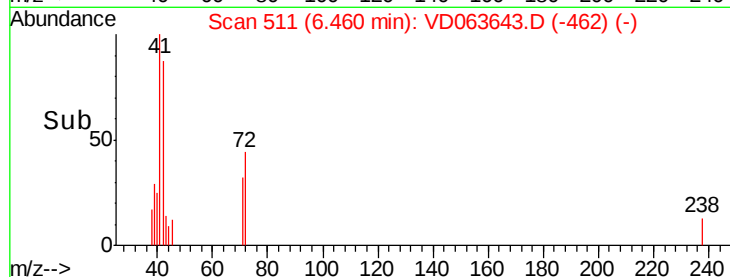
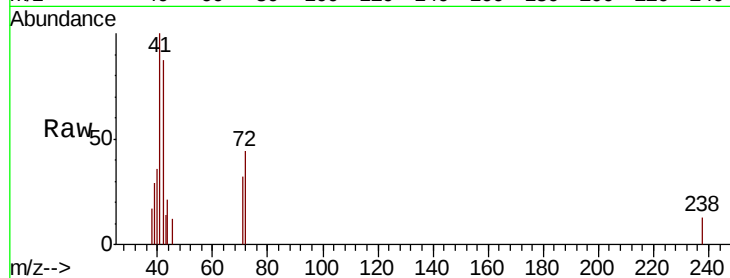




#29
Tetrahydrofuran
Concen: 7.319 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD063643.D
Acq: 16 Aug 2019 17:37

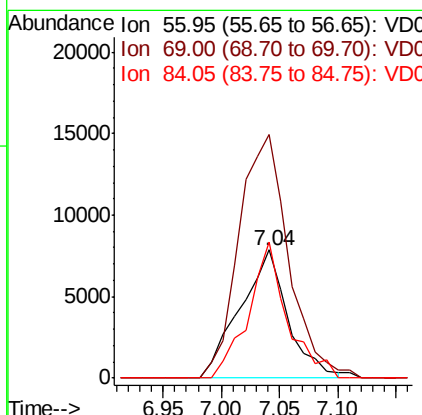
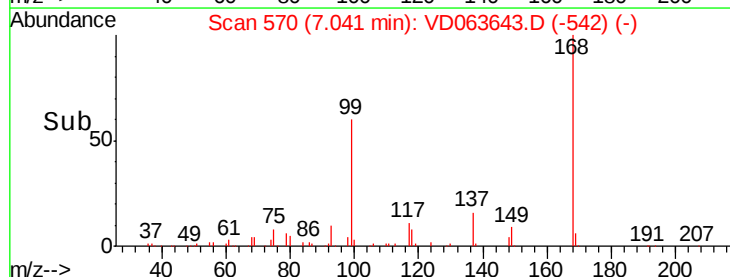
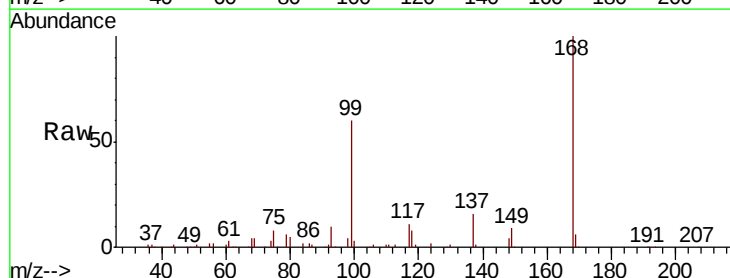
Instrument :
MSVOA_D
ClientSampleId :
T6-E4(2)

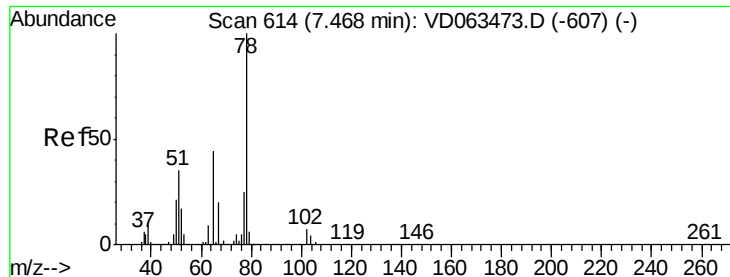
Tgt Ion: 42 Resp: 7584
Ion Ratio Lower Upper
42 100
72 47.4 31.5 47.3#
71 55.4 33.8 50.8#



#31
Cyclohexane
Concen: 2.230 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063643.D
Acq: 16 Aug 2019 17:37

Tgt Ion: 56 Resp: 22304
Ion Ratio Lower Upper
56 100
69 190.2 25.0 37.6#
84 106.2 69.7 104.5#

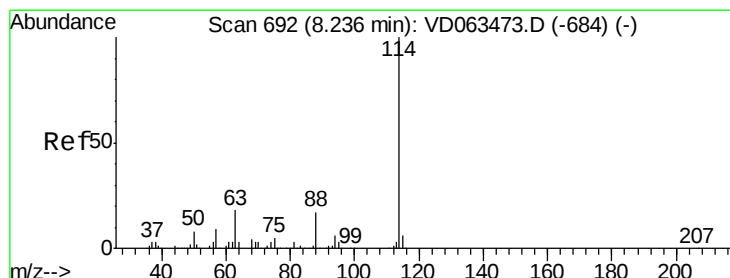
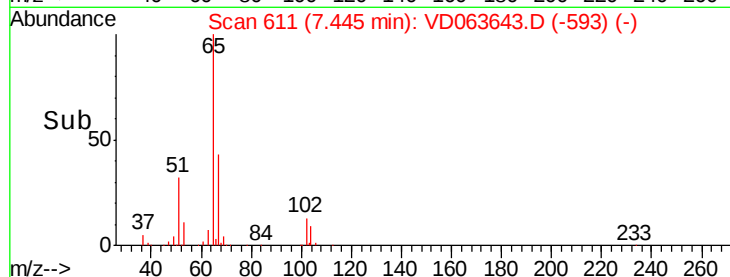
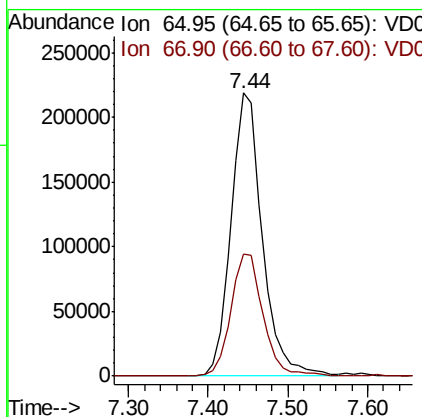
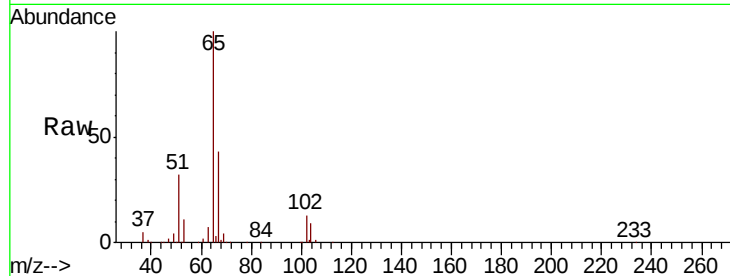




#33
 1,2-Dichloroethane-d4
 Concen: 54.194 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD063643.D
 Acq: 16 Aug 2019 17:37

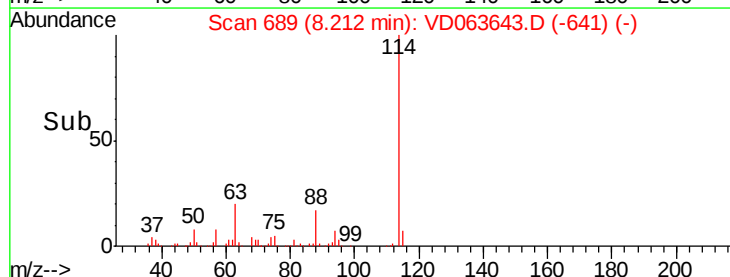
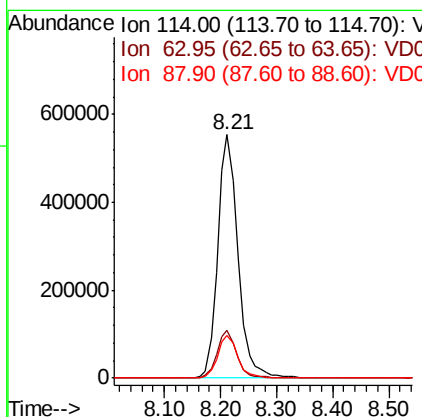
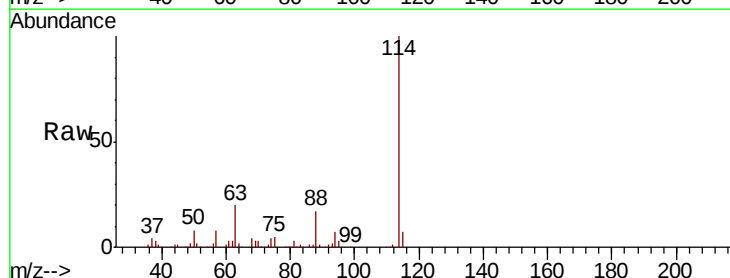
Instrument :
 MSVOA_D
 ClientSampleId :
 T6-E4(2)

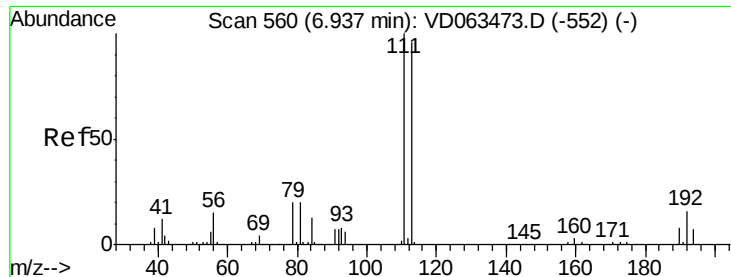
Tgt Ion: 65 Resp: 600276
 Ion Ratio Lower Upper
 65 100
 67 43.1 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD063643.D
 Acq: 16 Aug 2019 17:37

Tgt Ion: 114 Resp: 1396878
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 36.2
 88 17.4 0.0 35.0

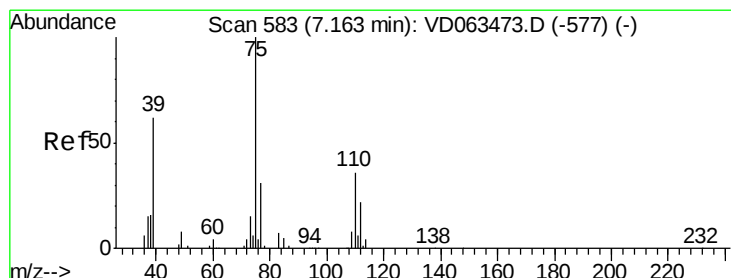
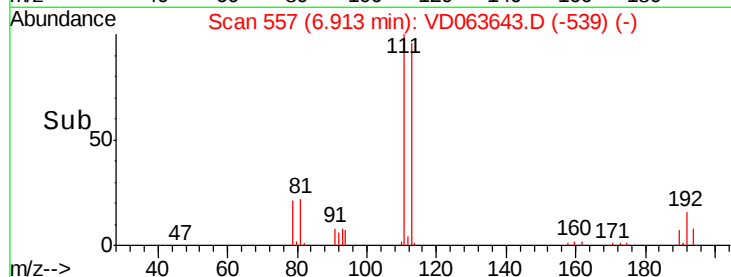
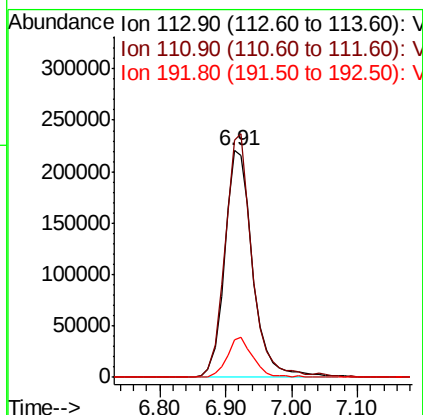
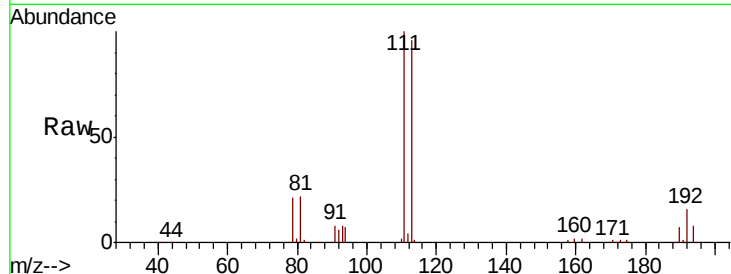




#35
 Dibromofluoromethane
 Concen: 55.643 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD063643.D
 Acq: 16 Aug 2019 17:37

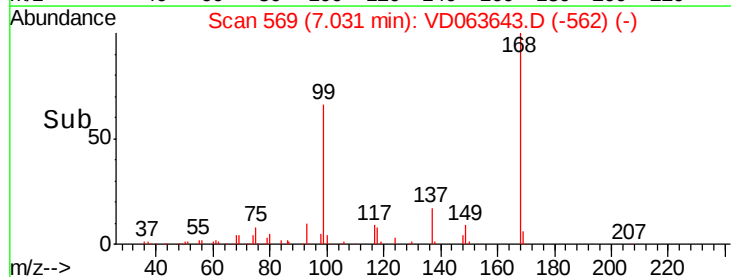
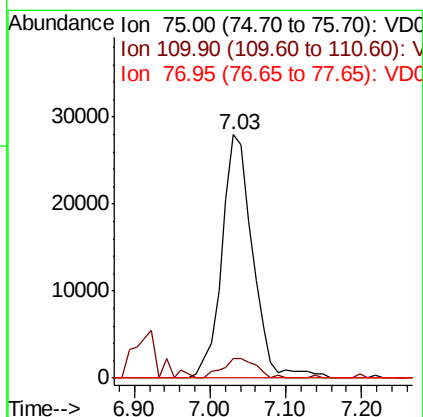
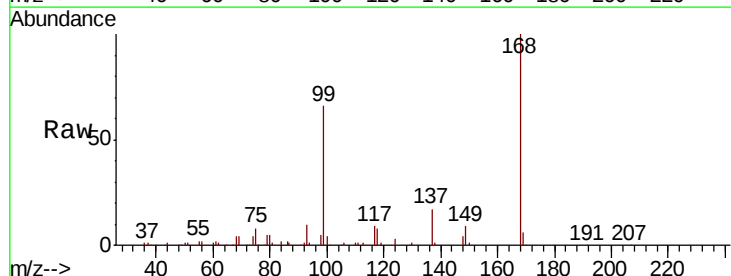
Instrument :
 MSVOA_D
 ClientSampleId :
 T6-E4(2)

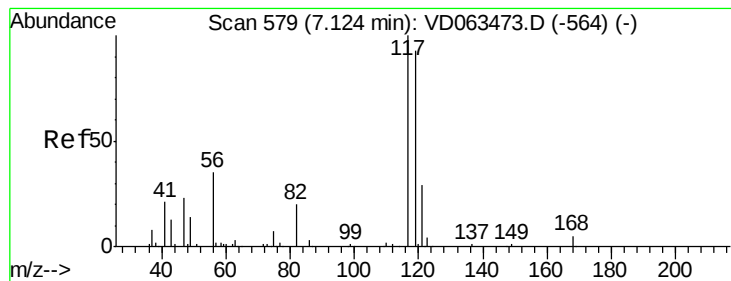
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.5	83.1	124.7
192	16.3	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 6.397 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.13 min
 Lab File: VD063643.D
 Acq: 16 Aug 2019 17:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.6	52.8#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 5.857 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD063643.D

Acq: 16 Aug 2019 17:37

Instrument :

MSVOA_D

ClientSampleID :

T6-E4(2)

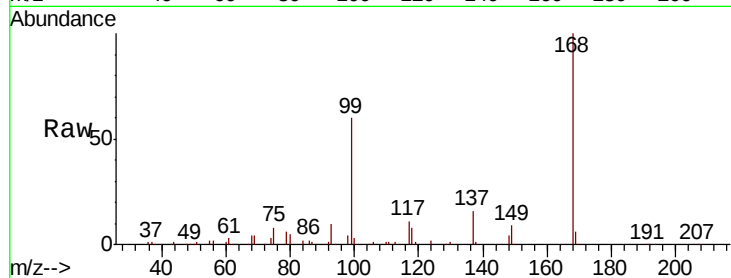
Tgt Ion:117 Resp: 109007

Ion Ratio Lower Upper

117 100

119 5.4 74.2 111.2#

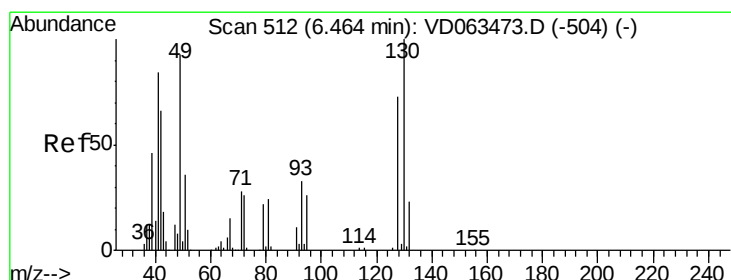
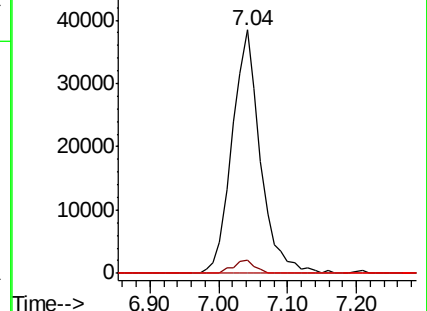
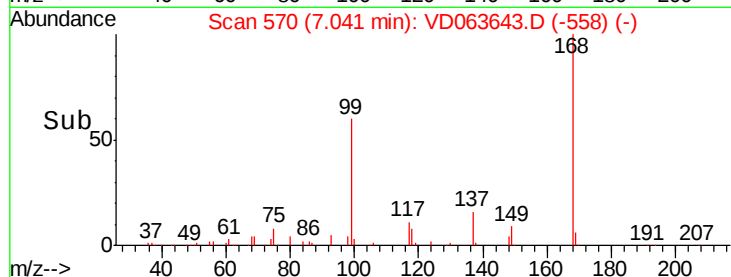
121 0.0 23.1 34.7#



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



#41

Methacrylonitrile

Concen: 1.204 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD063643.D

Acq: 16 Aug 2019 17:37

Tgt Ion: 41 Resp: 7846

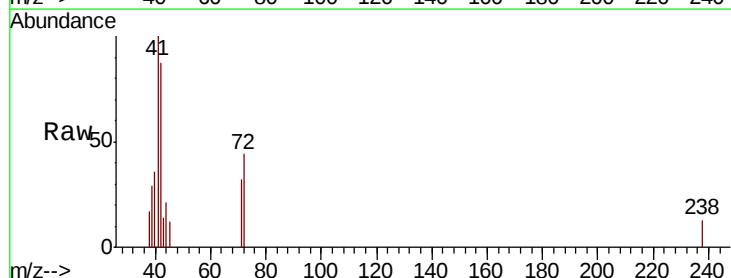
Ion Ratio Lower Upper

41 100

39 29.4 44.6 66.8#

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

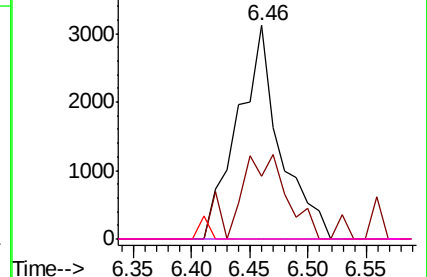
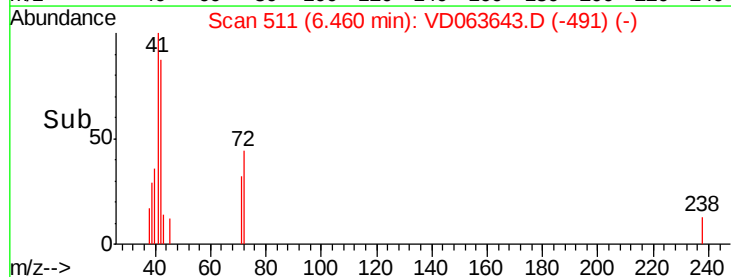


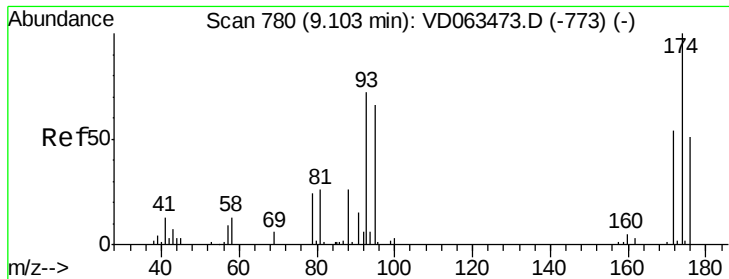
Abundance Ion 40.95 (40.65 to 41.65): VDC

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

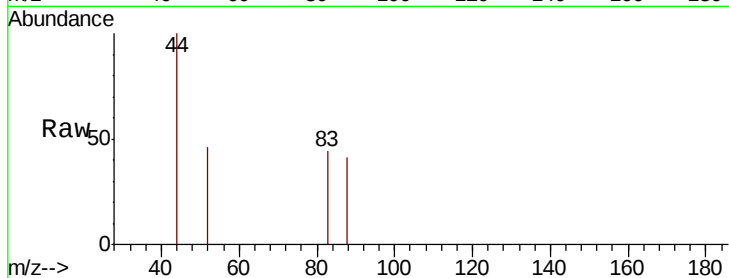




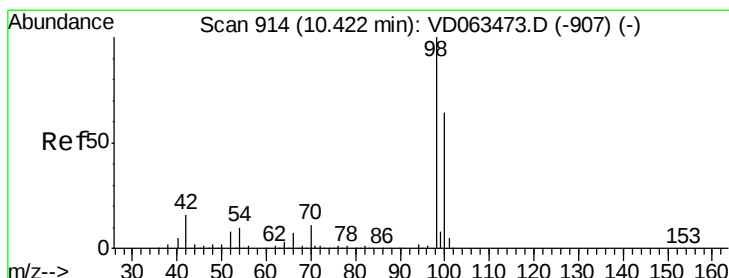
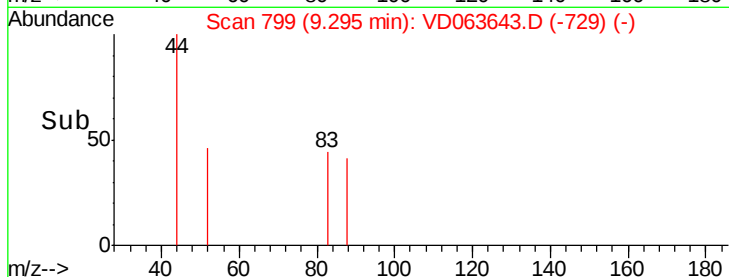
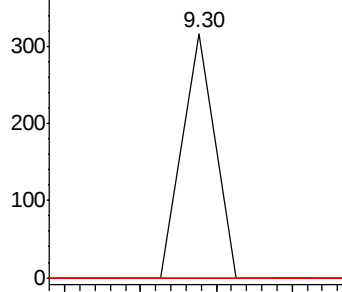
#49
 1,4-Dioxane
 Concen: 29.085 ug/l
 RT: 9.30 min Scan# 799
 Delta R.T. 0.19 min
 Lab File: VD063643.D
 Acq: 16 Aug 2019 17:37

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-E4(2)

Tgt Ion: 88 Resp: 187
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.9 34.3#
 58 0.0 40.1 60.1#

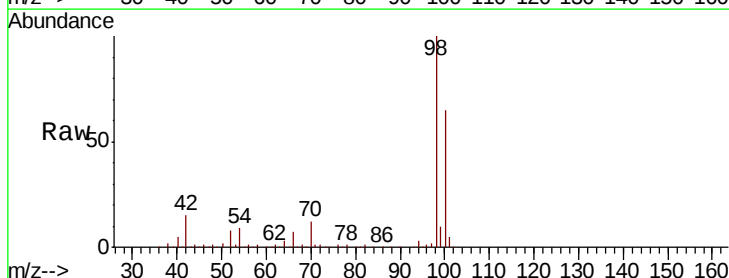


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

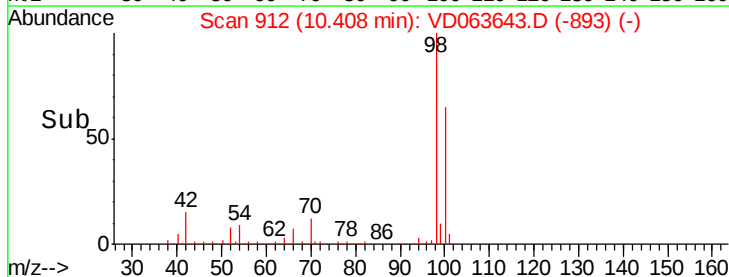
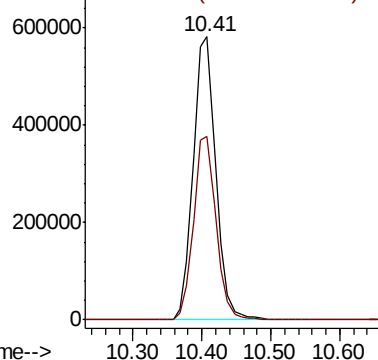


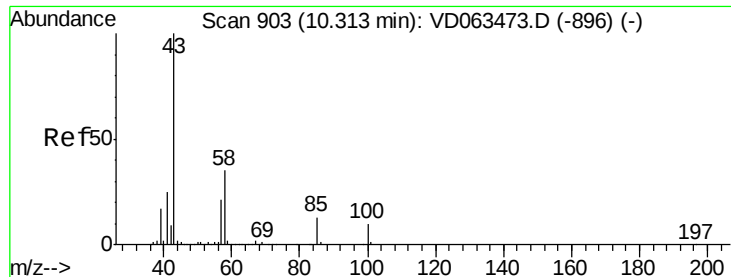
#50
 Toluene-d8
 Concen: 51.185 ug/l
 RT: 10.41 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD063643.D
 Acq: 16 Aug 2019 17:37

Tgt Ion: 98 Resp: 1323894
 Ion Ratio Lower Upper
 98 100
 100 64.7 51.7 77.5



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

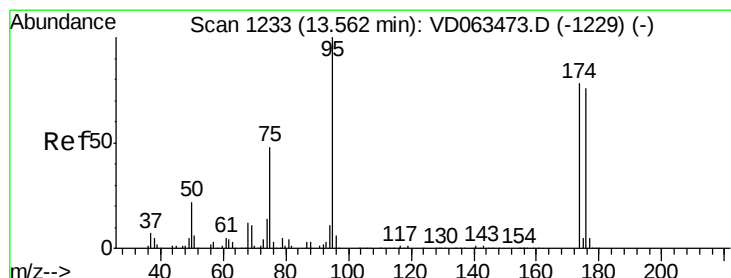
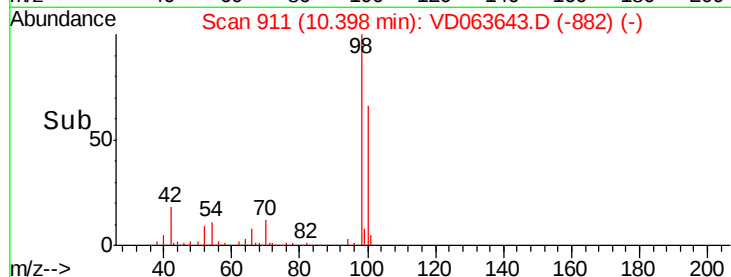
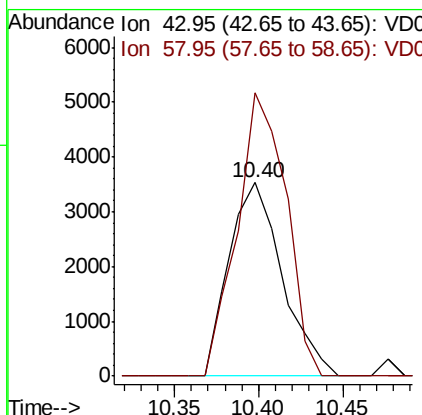
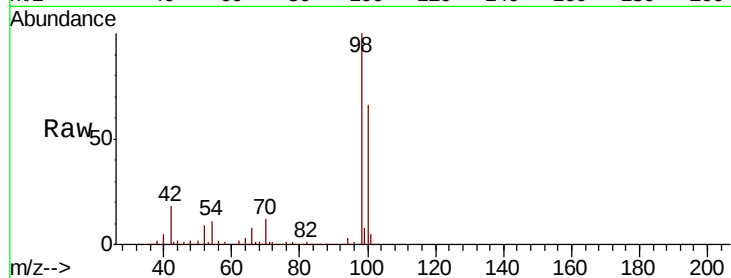




#51
 4-Methyl-2-Pentanone
 Concen: 1.635 ug/l
 RT: 10.40 min Scan# 911
 Delta R.T. 0.08 min
 Lab File: VD063643.D
 Acq: 16 Aug 2019 17:37

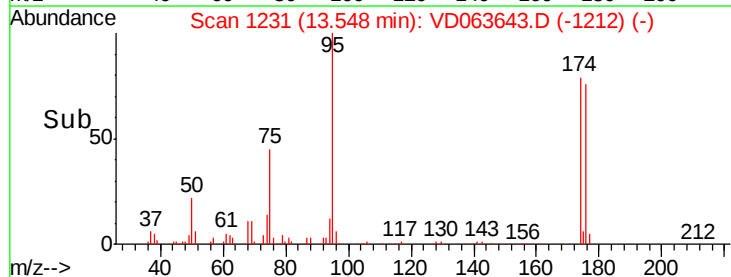
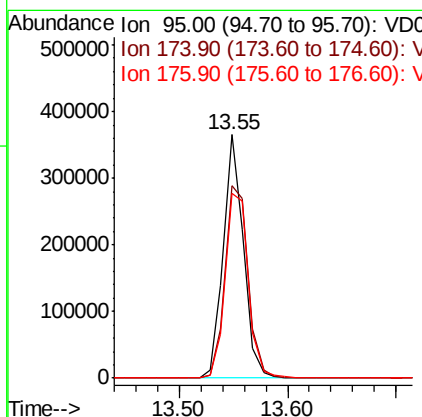
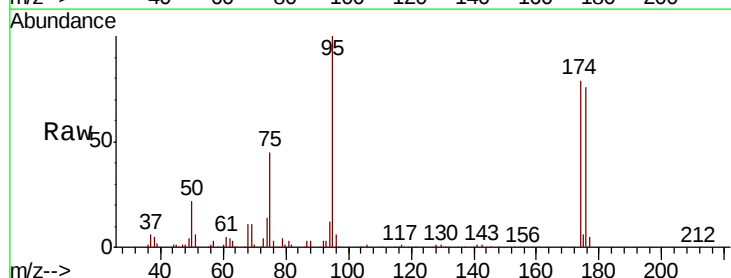
Instrument :
 MSVOA_D
 ClientSampleId :
 T6-E4(2)

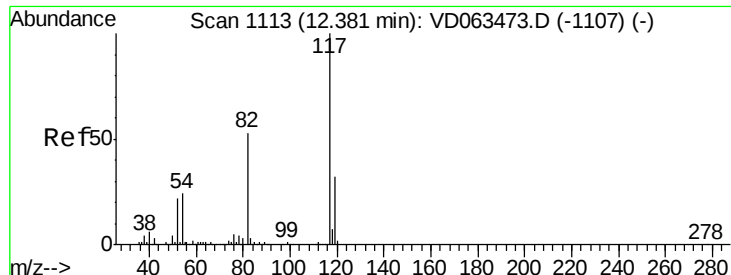
Tgt Ion: 43 Resp: 7753
 Ion Ratio Lower Upper
 43 100
 58 146.2 28.0 42.0#



#62
 4-Bromofluorobenzene
 Concen: 40.169 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063643.D
 Acq: 16 Aug 2019 17:37

Tgt Ion: 95 Resp: 470904
 Ion Ratio Lower Upper
 95 100
 174 79.1 0.0 155.4
 176 76.0 0.0 152.4

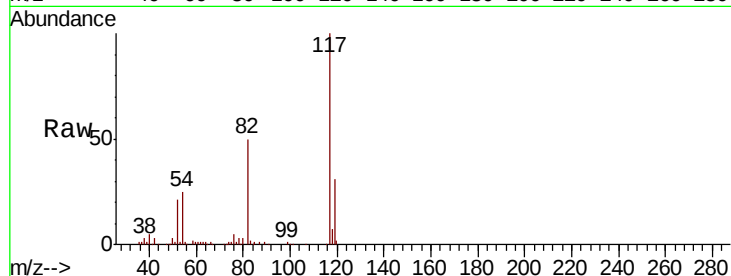




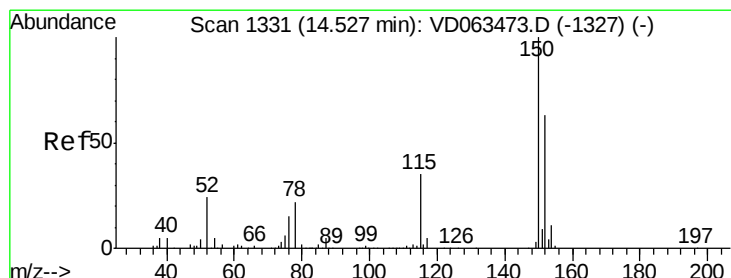
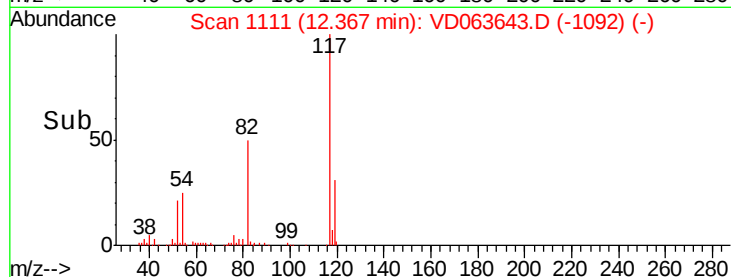
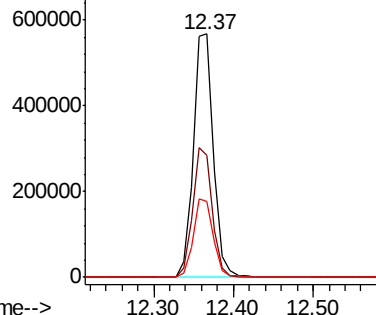
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063643.D
Acq: 16 Aug 2019 17:37

Instrument :
MSVOA_D
ClientSampleId :
T6-E4(2)

Tgt Ion:117 Resp: 1008057
Ion Ratio Lower Upper
117 100
82 50.1 42.0 63.0
119 31.2 25.4 38.0

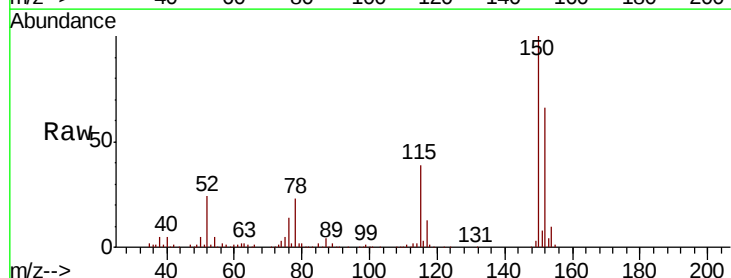


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

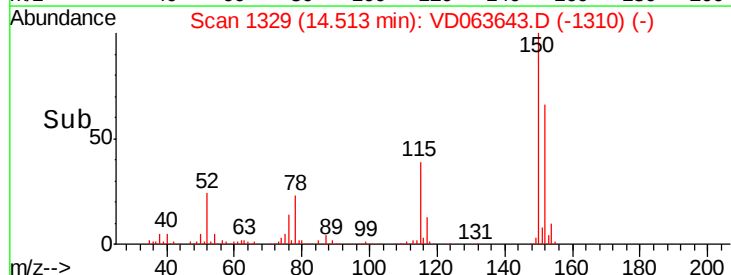
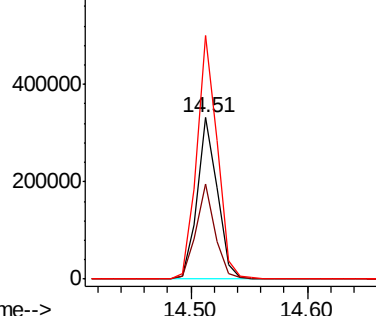


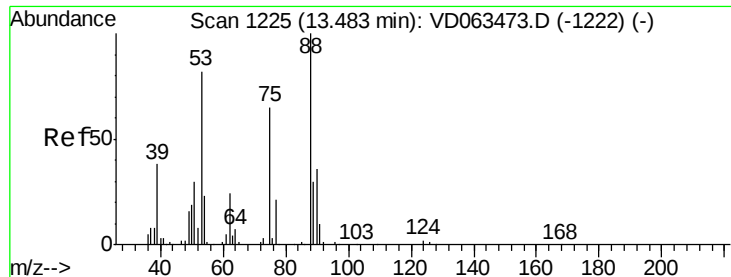
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063643.D
Acq: 16 Aug 2019 17:37

Tgt Ion:152 Resp: 398258
Ion Ratio Lower Upper
152 100
115 58.6 30.9 92.7
150 150.9 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: 172.355 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD063643.D

Acq: 16 Aug 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

T6-E4(2)

Tgt Ion: 75 Resp: 211734

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#

