

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD063313.D
 Acq On : 2 Aug 2019 13:39
 Operator : VA/AP
 Sample : K4120-03RE
 Misc : 5.23g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T1-3RE

Quant Time: Aug 04 03:37:45 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	525232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	807682	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	615919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	228873	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	327861	56.26	ug/l	0.00
Spiked Amount			Recovery	=	112.52%	
35) Dibromofluoromethane	6.92	113	337304	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
50) Toluene-d8	10.40	98	608136	39.41	ug/l	0.00
Spiked Amount			Recovery	=	78.82%	
62) 4-Bromofluorobenzene	13.54	95	231107	32.86	ug/l	-0.01
Spiked Amount			Recovery	=	65.72%	

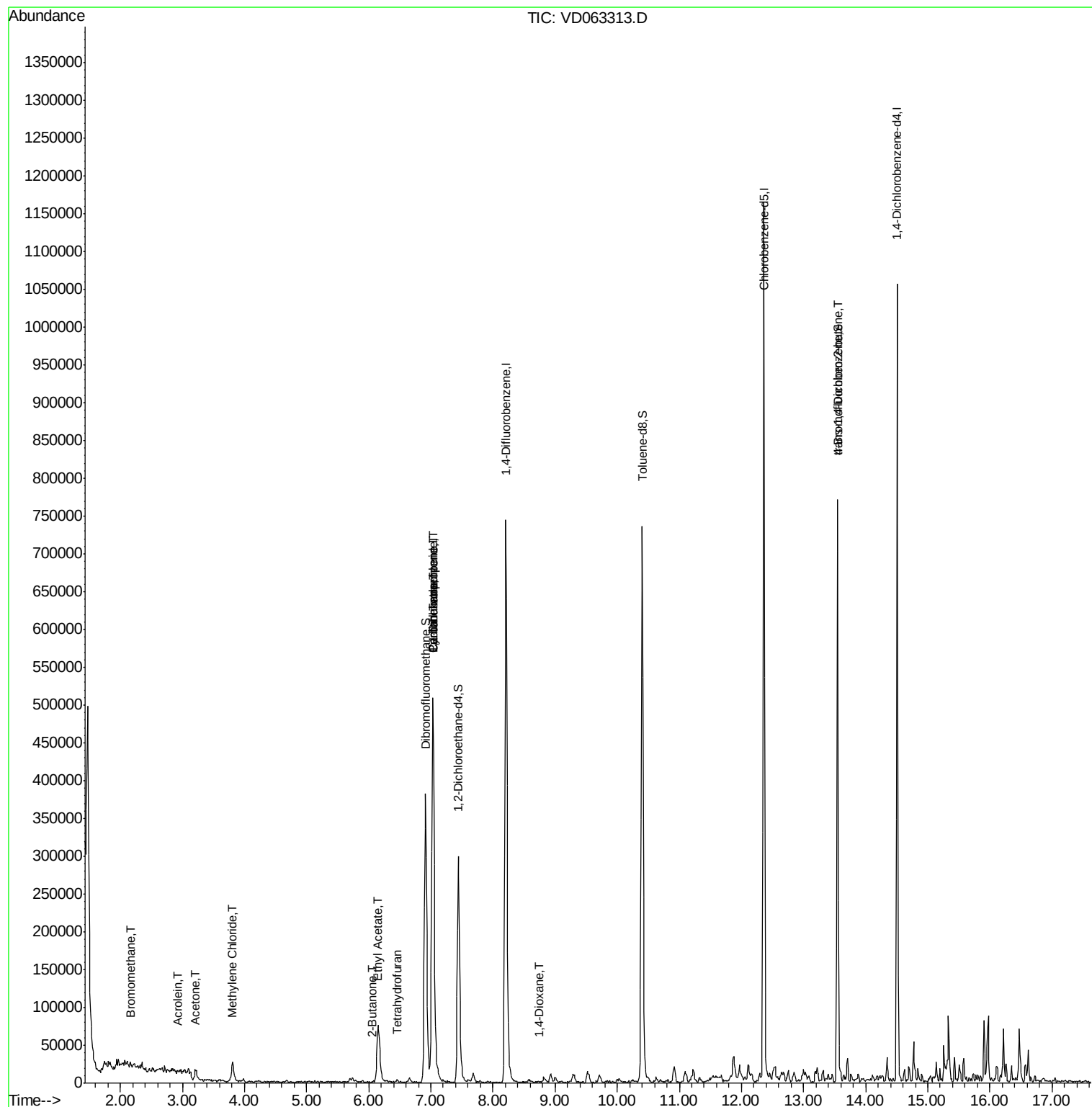
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	2610	1.002	ug/l #	12
13) Acrolein	2.91	56	459	1.865	ug/l	97
16) Acetone	3.21	43	29093	25.621	ug/l #	88
20) Methylene Chloride	3.81	84	14932	3.253	ug/l #	81
25) 2-Butanone	6.06	43	1691	1.484	ug/l #	56
29) Tetrahydrofuran	6.46	42	2556	4.737	ug/l #	61
31) Cyclohexane	7.03	56	11130	2.144	ug/l #	19
36) 1,1-Dichloropropene	7.04	75	38229	5.186	ug/l #	50
37) Ethyl Acetate	6.16	43	7266	2.194	ug/l #	10
38) Carbon Tetrachloride	7.04	117	51044	4.600	ug/l #	14
49) 1,4-Dioxane	8.74	88	185	3.859	ug/l #	22
81) trans-1,4-Dichloro-2-buten	13.54	75	102495	134.269	ug/l #	3

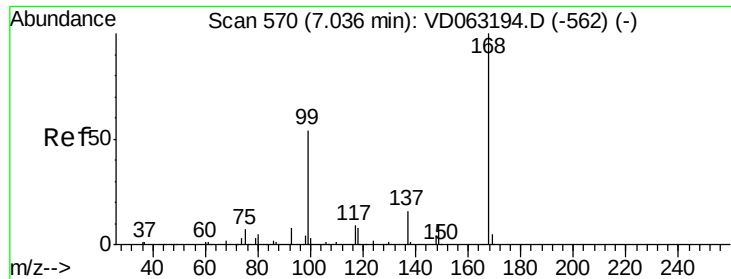
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063313.D

Acq: 2 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

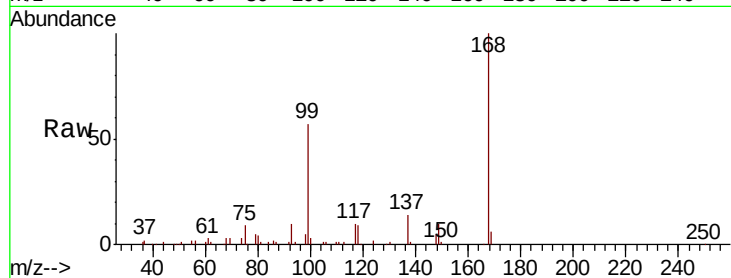
T1-3RE

Tgt Ion:168 Resp: 525232

Ion Ratio Lower Upper

168 100

99 57.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

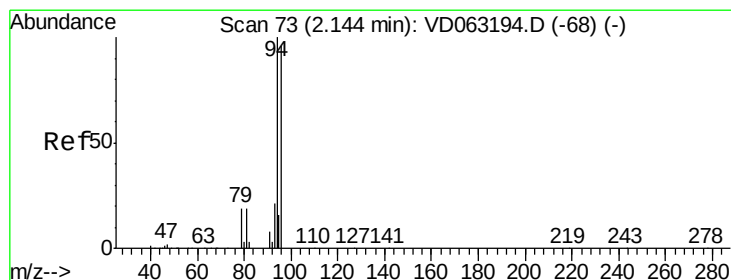
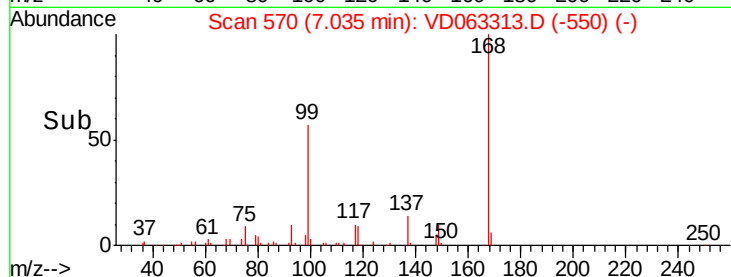
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.002 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD063313.D

Acq: 2 Aug 2019 13:39

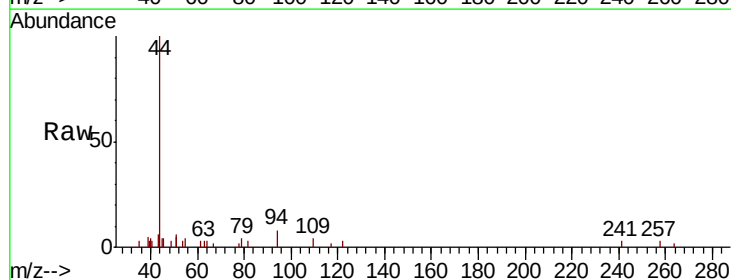
Tgt Ion: 94 Resp: 2610

Ion Ratio Lower Upper

94 100

96 0.0 76.4 114.6#

93 0.0 17.3 25.9#



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

2.16

1500

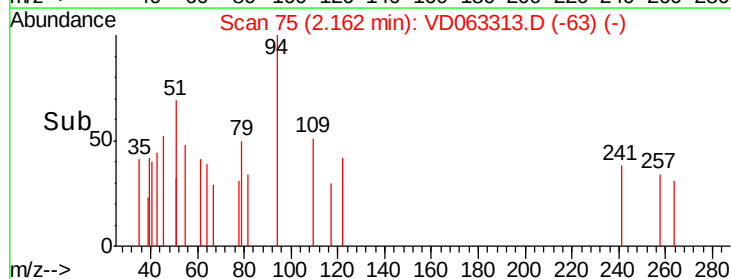
1000

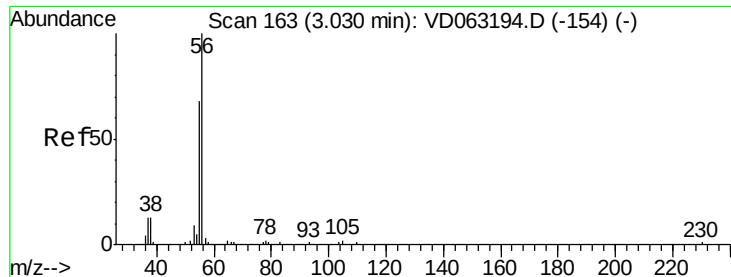
500

0

Time-->

2.10 2.15 2.20





#13

Acrolein

Concen: 1.865 ug/l

RT: 2.91 min Scan# 151

Delta R.T. -0.12 min

Lab File: VD063313.D

Acq: 2 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

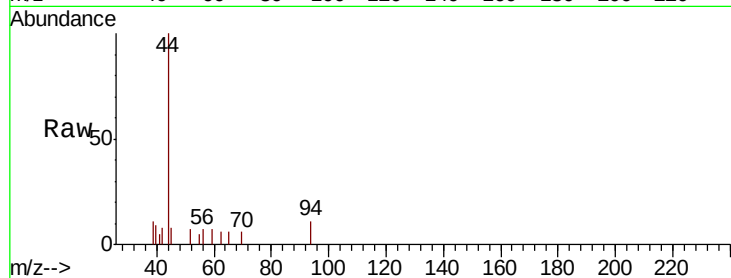
T1-3RE

Tgt Ion: 56 Resp: 459

Ion Ratio Lower Upper

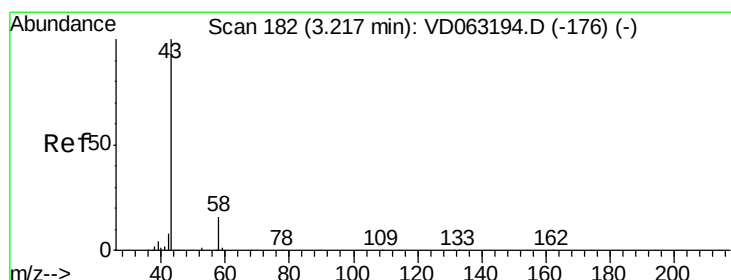
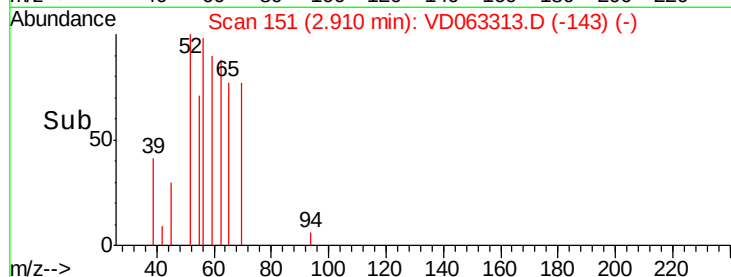
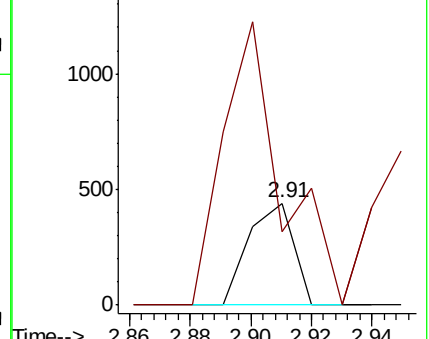
56 100

55 71.8 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 25.621 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063313.D

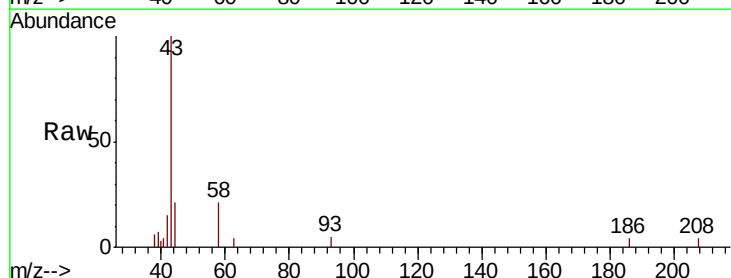
Acq: 2 Aug 2019 13:39

Tgt Ion: 43 Resp: 29093

Ion Ratio Lower Upper

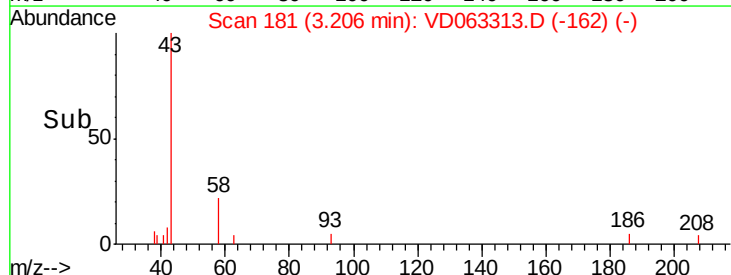
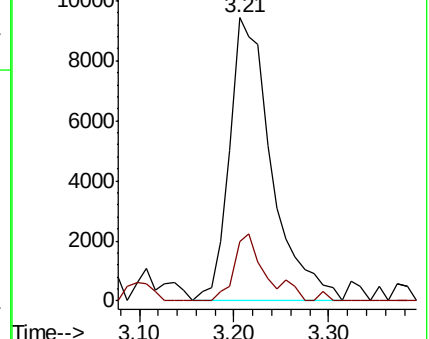
43 100

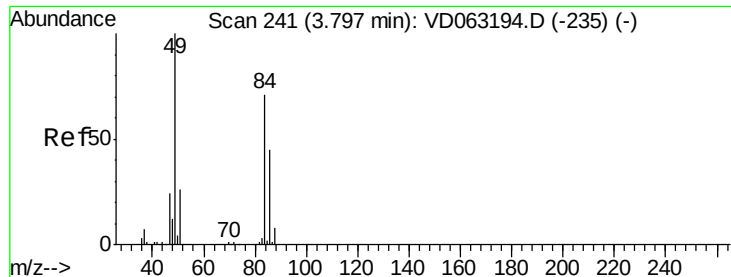
58 21.1 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

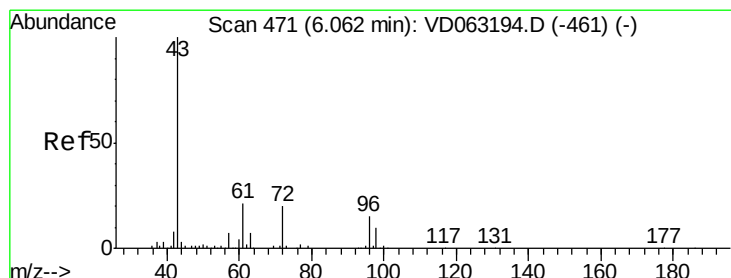
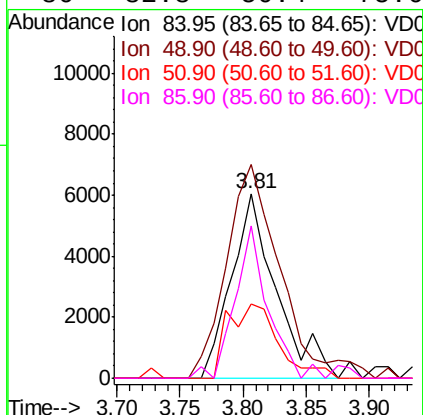
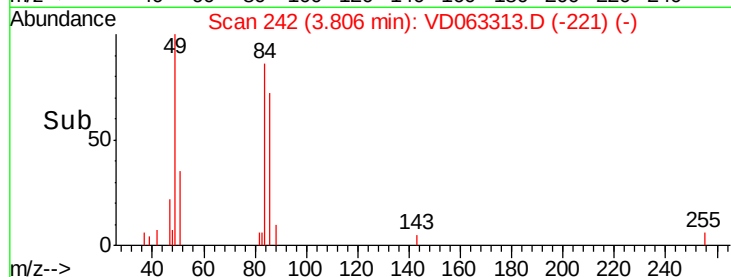
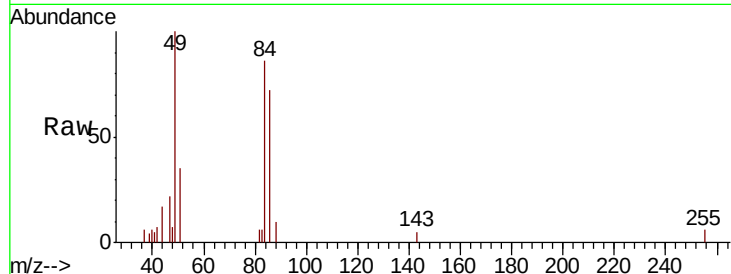




#20
Methylene Chloride
Concen: 3.253 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063313.D
Acq: 2 Aug 2019 13:39

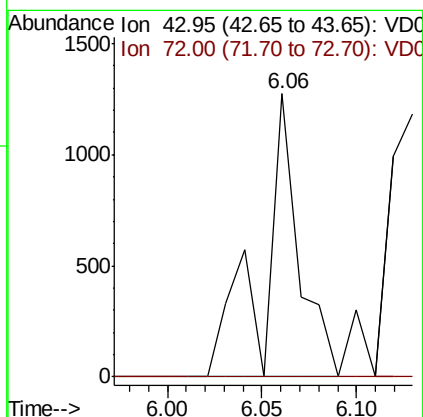
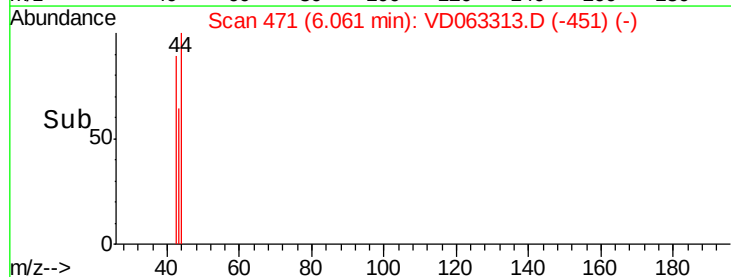
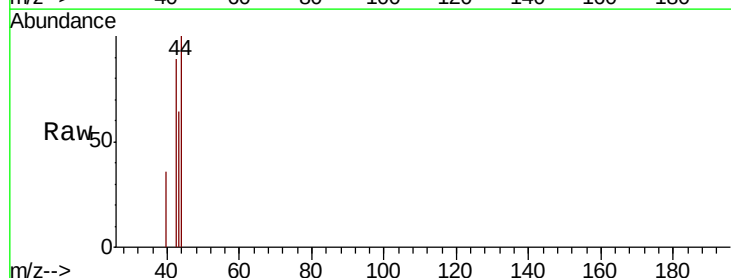
Instrument :
MSVOA_D
ClientSampleId :
T1-3RE

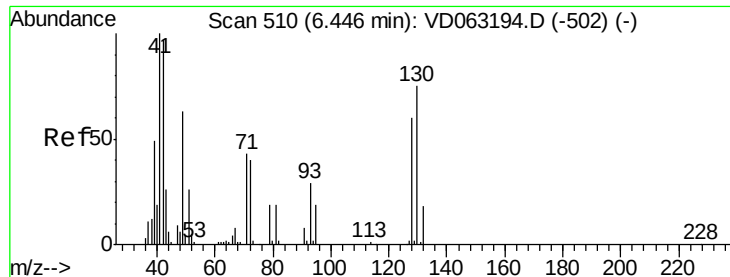
Tgt Ion: 84 Resp: 14932
Ion Ratio Lower Upper
84 100
49 115.7 112.5 168.7
51 40.0 29.6 44.4
86 82.8 50.4 75.6#



#25
2-Butanone
Concen: 1.484 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.00 min
Lab File: VD063313.D
Acq: 2 Aug 2019 13:39

Tgt Ion: 43 Resp: 1691
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#

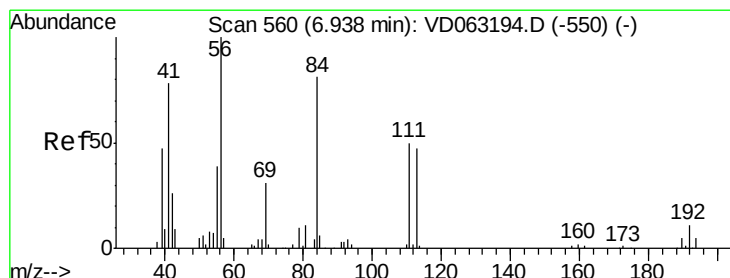
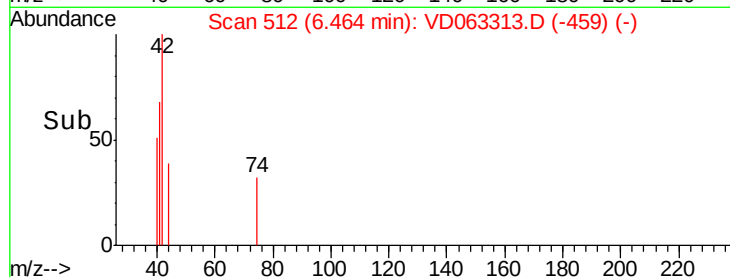
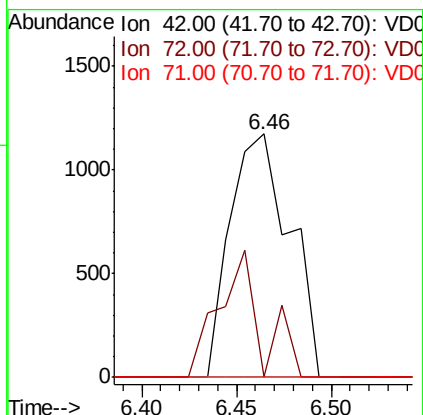
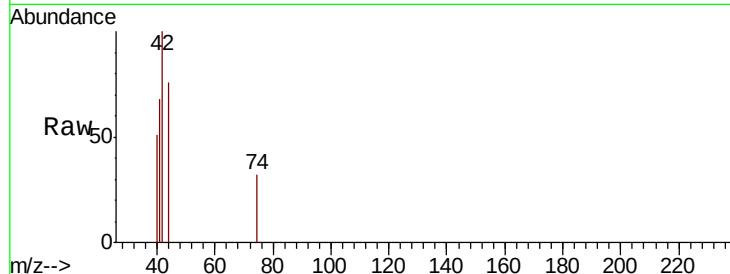




#29
Tetrahydrofuran
Concen: 4.737 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD063313.D
Acq: 2 Aug 2019 13:39

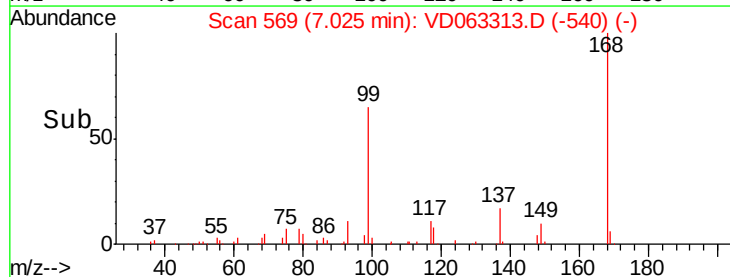
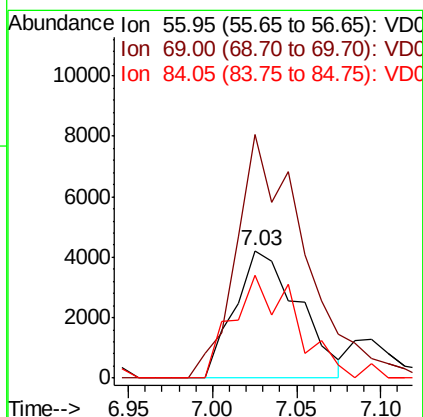
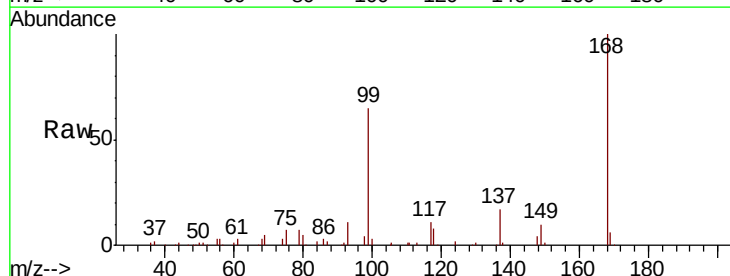
Instrument :
MSVOA_D
ClientSampleId :
T1-3RE

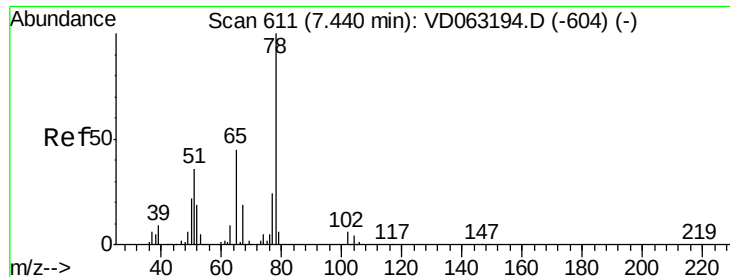
Tgt Ion: 42 Resp: 2556
Ion Ratio Lower Upper
42 100
72 37.4 33.4 50.2
71 0.0 35.7 53.5#



#31
Cyclohexane
Concen: 2.144 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD063313.D
Acq: 2 Aug 2019 13:39

Tgt Ion: 56 Resp: 11130
Ion Ratio Lower Upper
56 100
69 191.4 24.5 36.7#
84 80.4 64.9 97.3

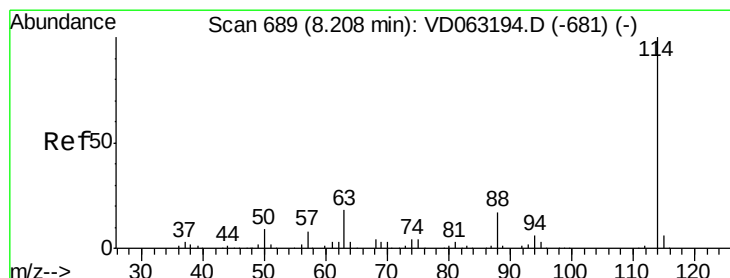
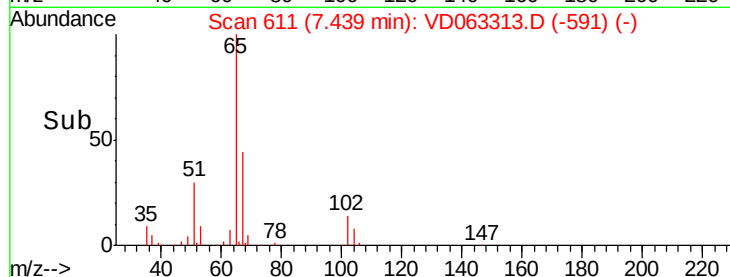
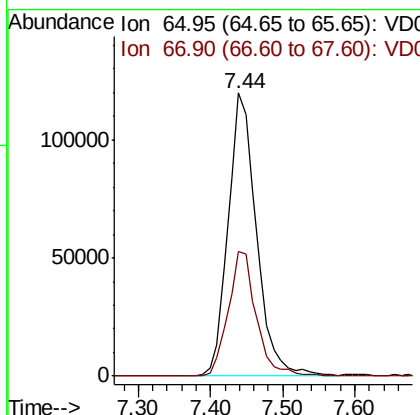
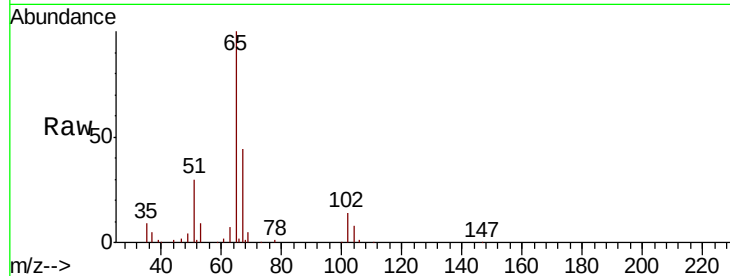




#33
 1,2-Dichloroethane-d4
 Concen: 56.257 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VD063313.D
 Acq: 2 Aug 2019 13:39

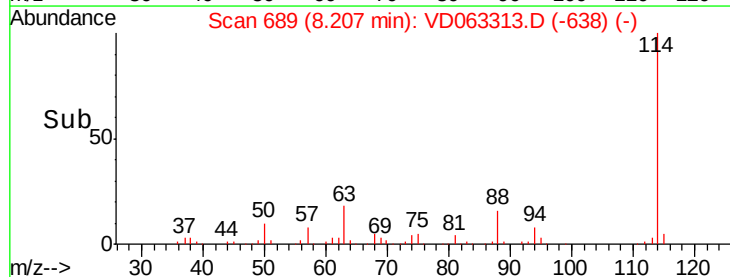
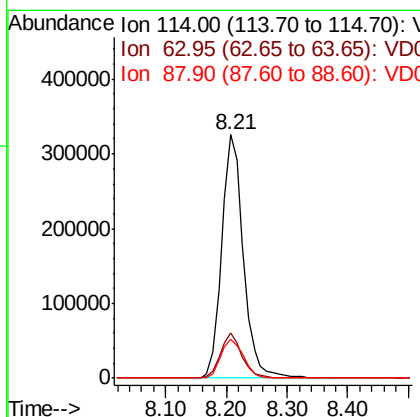
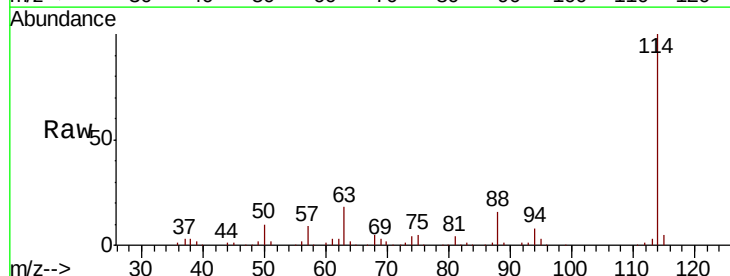
Instrument :
 MSVOA_D
 ClientSampleId :
 T1-3RE

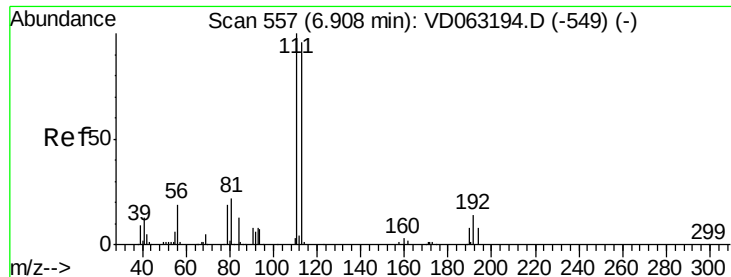
Tgt Ion: 65 Resp: 327861
 Ion Ratio Lower Upper
 65 100
 67 44.1 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD063313.D
 Acq: 2 Aug 2019 13:39

Tgt Ion: 114 Resp: 807682
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.2
 88 15.9 0.0 34.6

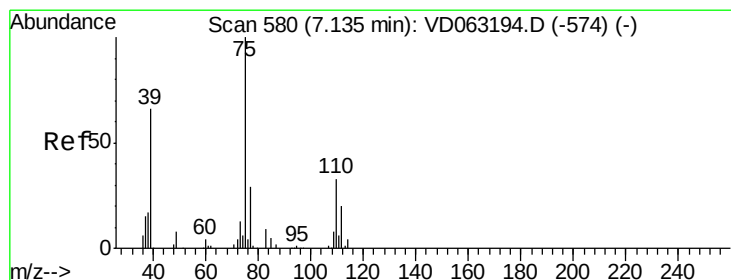
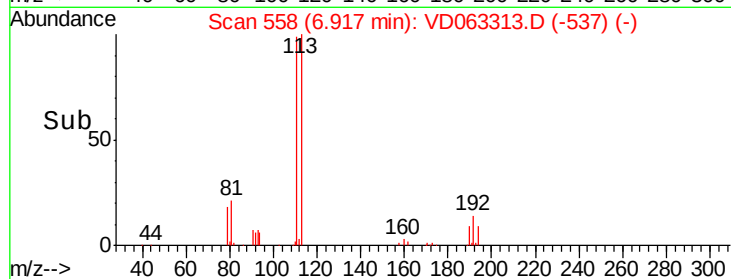
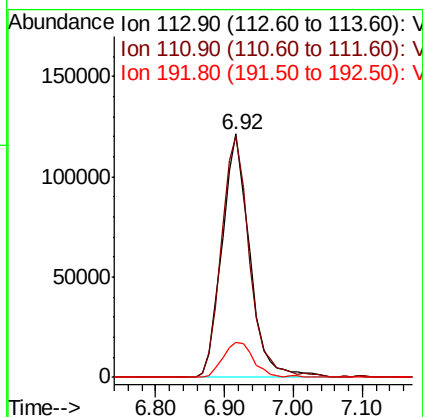
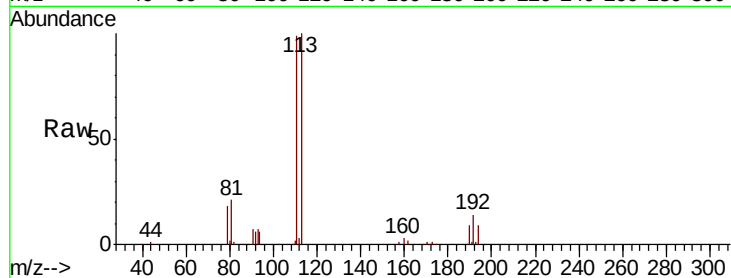




#35
 Dibromofluoromethane
 Concen: 48.914 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063313.D
 Acq: 2 Aug 2019 13:39

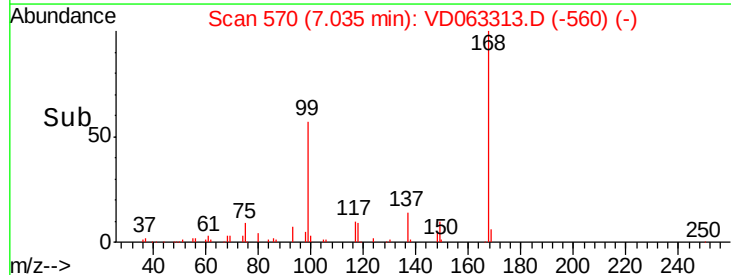
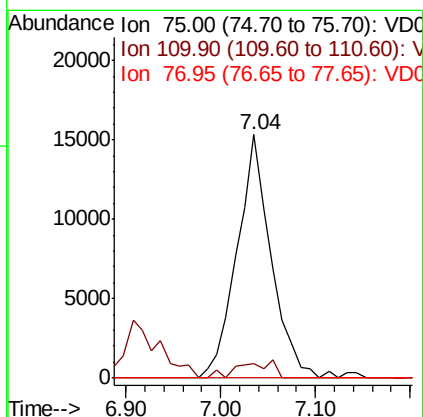
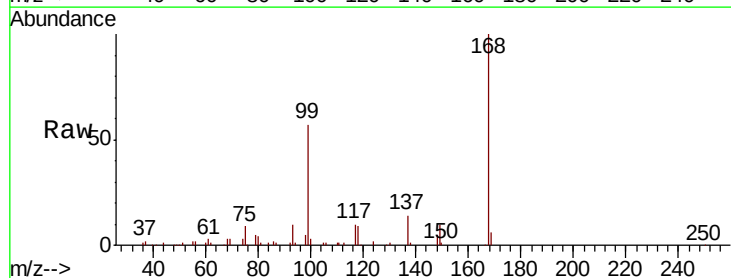
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 T1-3RE

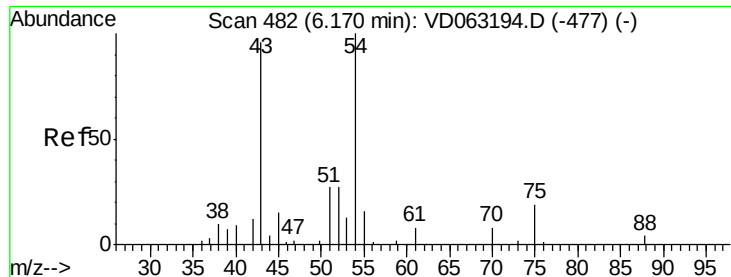
Tgt Ion:113 Resp: 337304
 Ion Ratio Lower Upper
 113 100
 111 99.0 83.2 124.8
 192 14.2 11.8 17.8



#36
 1,1-Dichloropropene
 Concen: 5.186 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD063313.D
 Acq: 2 Aug 2019 13:39

Tgt Ion: 75 Resp: 38229
 Ion Ratio Lower Upper
 75 100
 110 6.1 16.1 48.2#
 77 0.0 22.7 34.1#

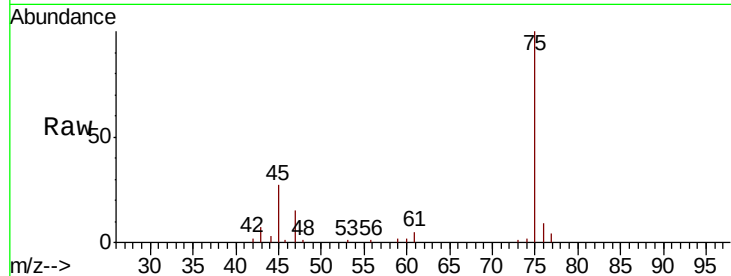




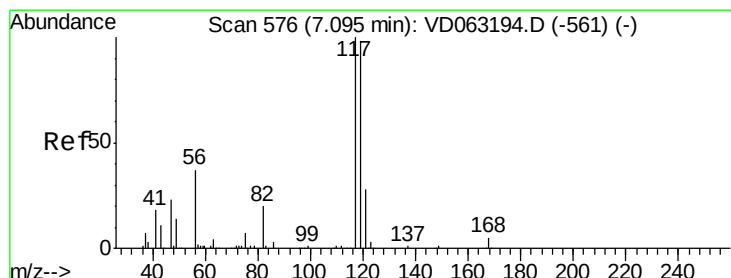
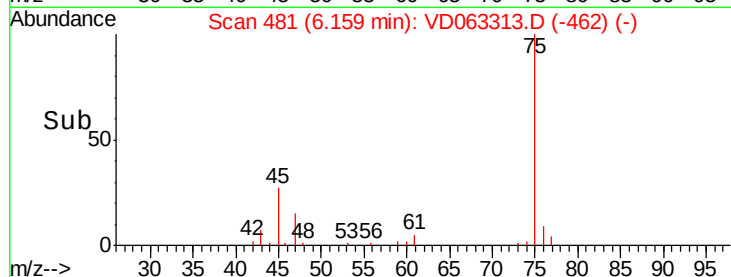
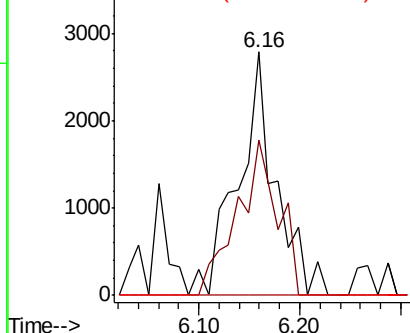
#37
Ethyl Acetate
Concen: 2.194 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD063313.D
Acq: 2 Aug 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
T1-3RE

Tgt Ion: 43 Resp: 7266
Ion Ratio Lower Upper
43 100
61 64.0 11.3 16.9#
70 0.0 5.1 7.7#

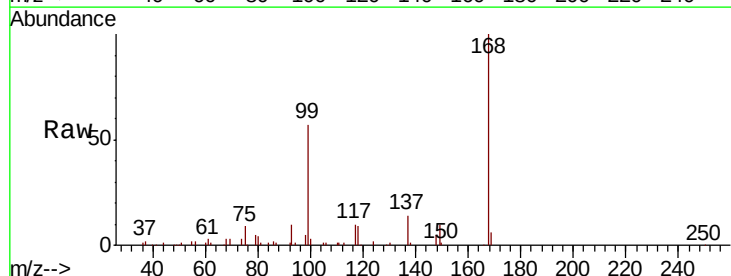


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

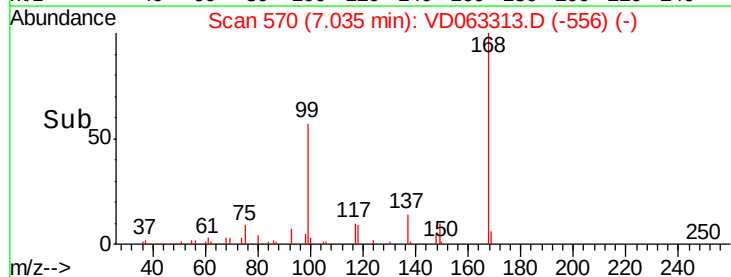
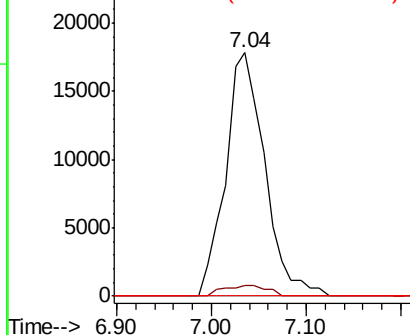


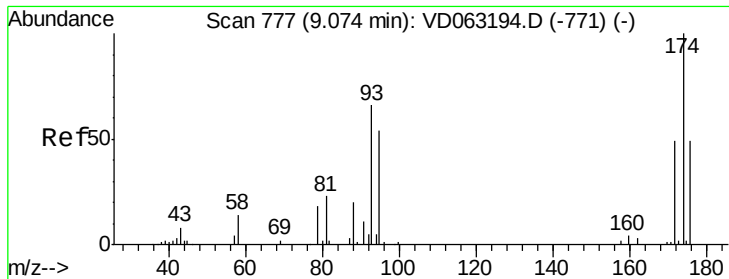
#38
Carbon Tetrachloride
Concen: 4.600 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD063313.D
Acq: 2 Aug 2019 13:39

Tgt Ion: 117 Resp: 51044
Ion Ratio Lower Upper
117 100
119 4.1 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

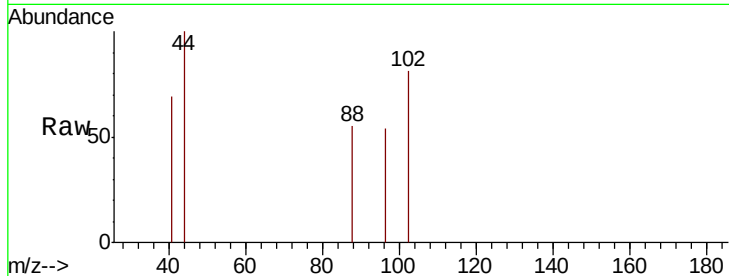




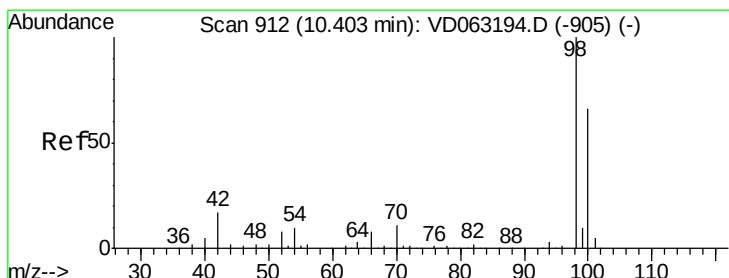
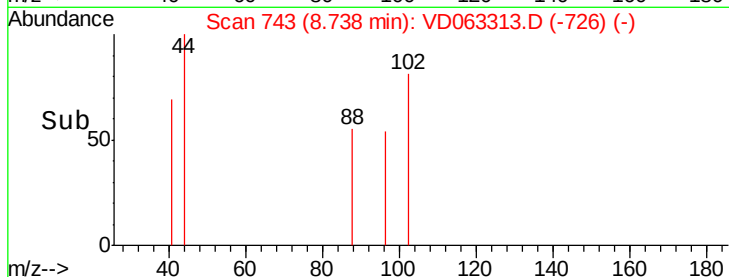
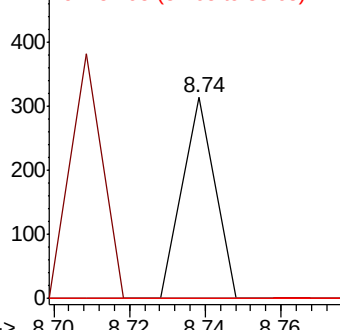
#49
1,4-Dioxane
Concen: 3.859 ug/l
RT: 8.74 min Scan# 743
Delta R.T. -0.33 min
Lab File: VD063313.D
Acq: 2 Aug 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
T1-3RE

Tgt Ion: 88 Resp: 185
Ion Ratio Lower Upper
88 100
43 0.0 30.7 46.1#
58 0.0 56.5 84.7#

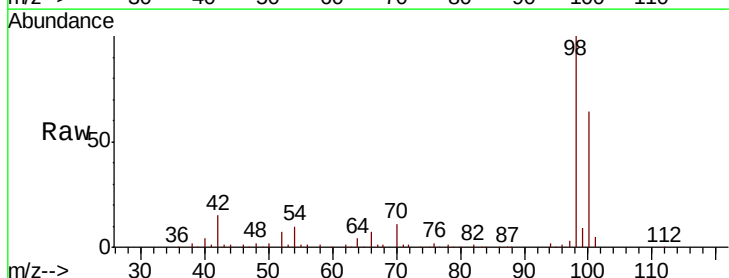


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

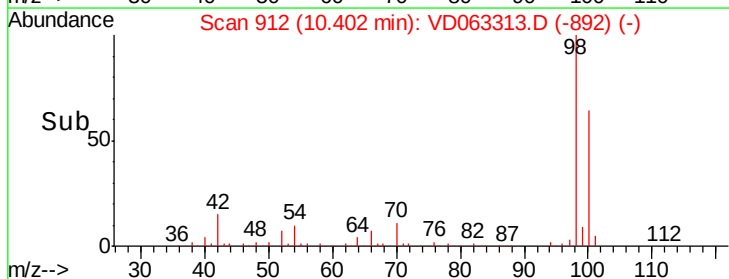
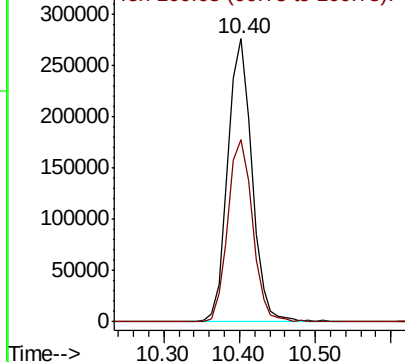


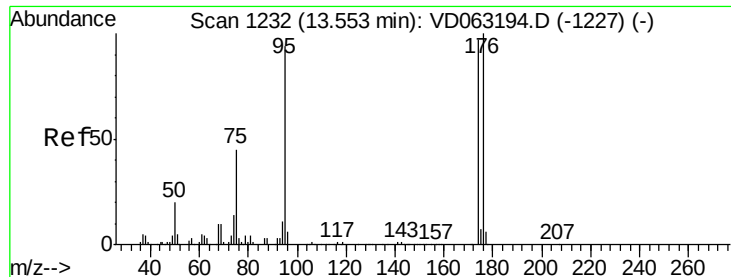
#50
Toluene-d8
Concen: 39.405 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063313.D
Acq: 2 Aug 2019 13:39

Tgt Ion: 98 Resp: 608136
Ion Ratio Lower Upper
98 100
100 64.2 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: 32.862 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063313.D

Acq: 2 Aug 2019 13:39

Instrument :

MSVOA_D

ClientSampleId :

T1-3RE

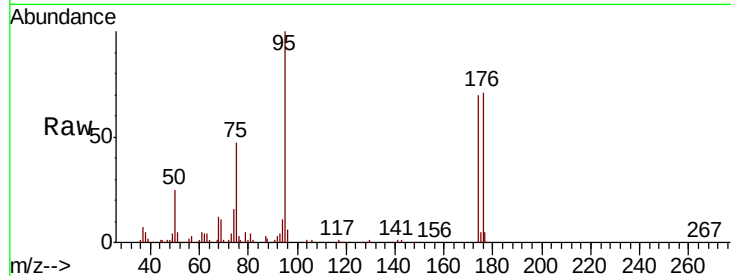
Tgt Ion: 95 Resp: 231107

Ion Ratio Lower Upper

95 100

174 70.1 0.0 205.4

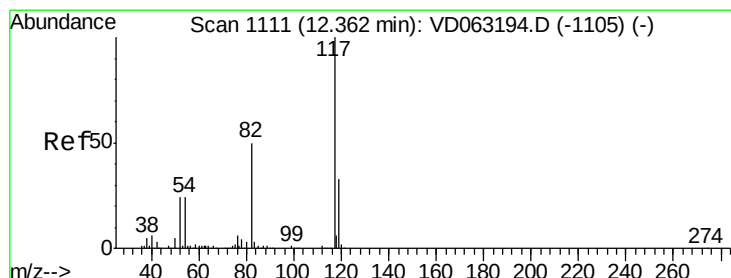
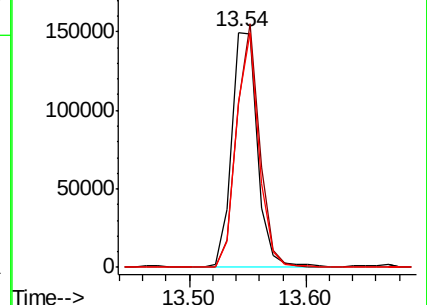
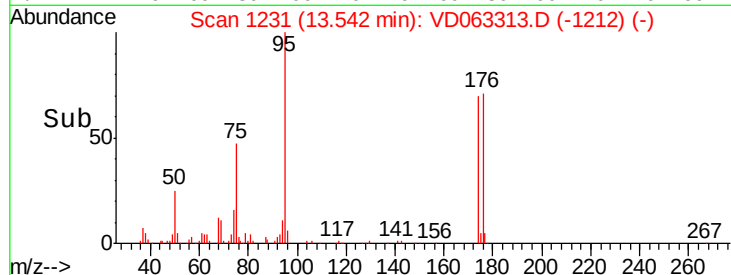
176 70.5 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD063313.D

Acq: 2 Aug 2019 13:39

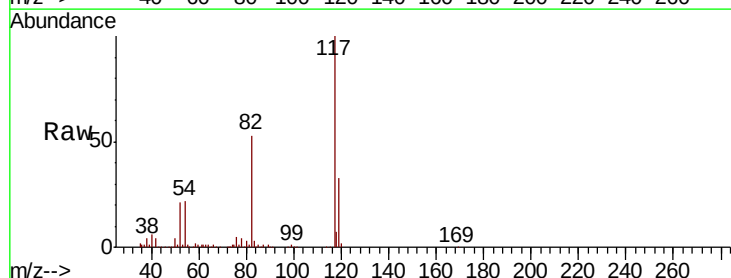
Tgt Ion: 117 Resp: 615919

Ion Ratio Lower Upper

117 100

82 52.8 40.1 60.1

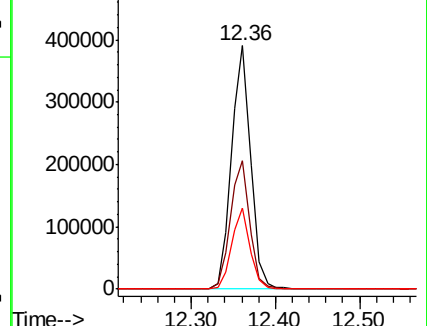
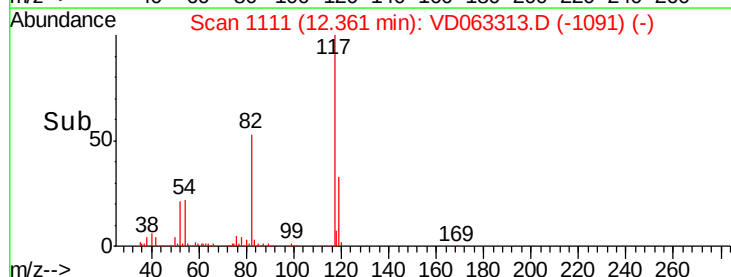
119 33.3 26.5 39.7

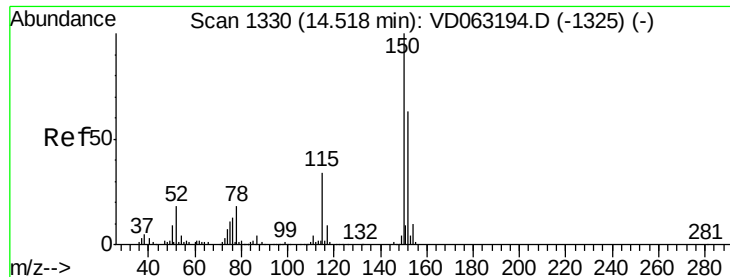


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



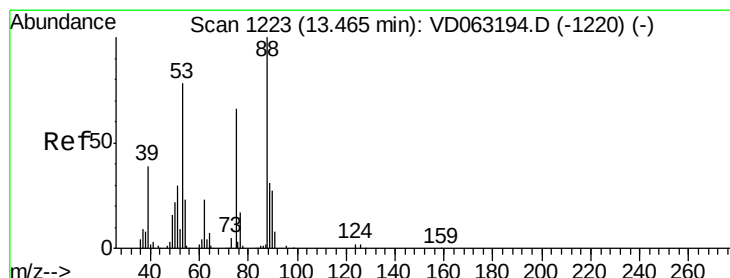
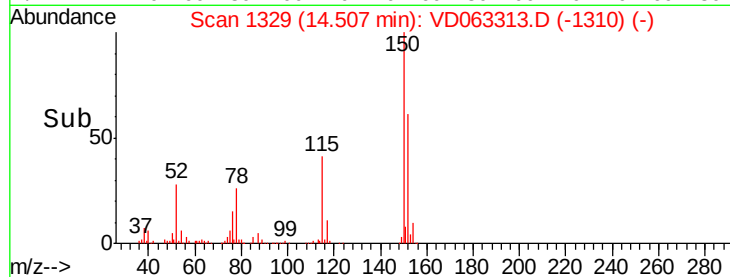
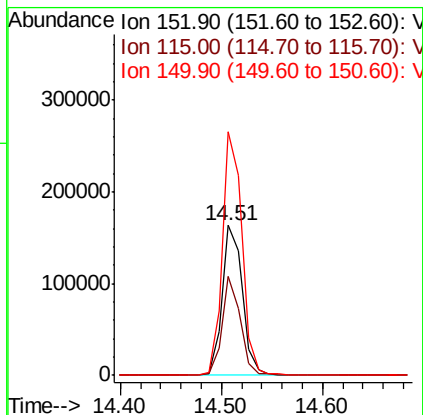
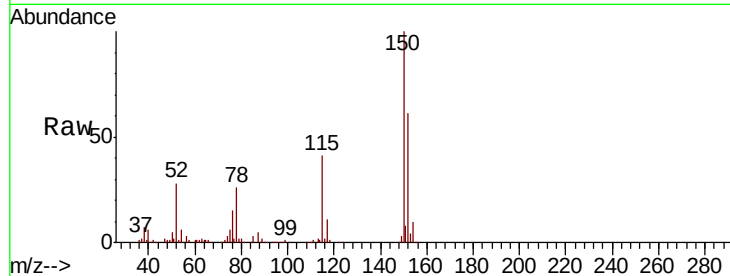


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063313.D
Acq: 2 Aug 2019 13:39

Instrument :
MSVOA_D
ClientSampleId :
T1-3RE

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.4	27.5	82.4
150	162.7	0.0	320.6



#81

trans-1,4-Dichloro-2-butene
Concen: 134.269 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.08 min
Lab File: VD063313.D
Acq: 2 Aug 2019 13:39

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

