

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
 Data File : VD063750.D
 Acq On : 22 Aug 2019 22:57
 Operator : JC/SY
 Sample : K4491-04
 Misc : 5.81g/5ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TS-1VW

Quant Time: Aug 23 07:02:30 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	817572	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1163159	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	695154	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	209524	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	523985	59.96	ug/l	-0.02
Spiked Amount			Recovery	=	119.92%	
35) Dibromofluoromethane	6.92	113	633696	64.69	ug/l	-0.02
Spiked Amount			Recovery	=	129.38%	
50) Toluene-d8	10.40	98	1082321	50.25	ug/l	-0.02
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	13.55	95	295277	30.25	ug/l	0.00
Spiked Amount			Recovery	=	60.50%	

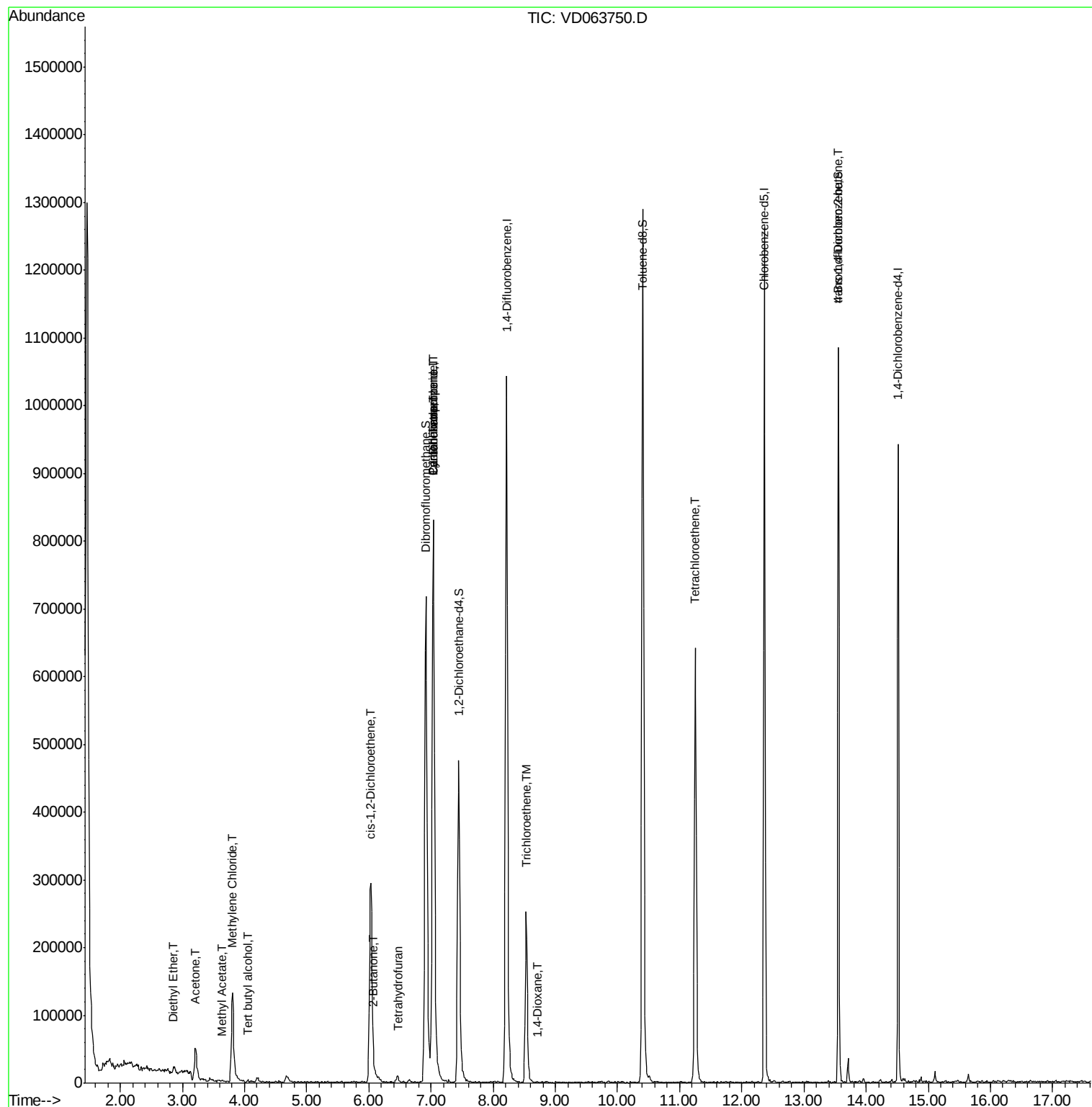
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.85	74	3038	1.430	ug/l	98
11) Tert butyl alcohol	4.05	59	3137	8.246	ug/l #	71
16) Acetone	3.21	43	96308	54.212	ug/l	98
18) Methyl Acetate	3.64	43	3488	1.037	ug/l #	88
20) Methylene Chloride	3.81	84	85263	11.099	ug/l	93
25) 2-Butanone	6.08	43	5591	3.187	ug/l	93
27) cis-1,2-Dichloroethene	6.03	96	203181	26.713	ug/l	90
29) Tetrahydrofuran	6.46	42	6740	8.244	ug/l #	89
31) Cyclohexane	7.04	56	15872	2.011	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	57435	5.586	ug/l #	49
38) Carbon Tetrachloride	7.04	117	74788	4.826	ug/l #	17
44) Trichloroethene	8.53	130	106771	12.345	ug/l	91
49) 1,4-Dioxane	8.71	88	190	30.042	ug/l #	34
64) Tetrachloroethene	11.25	164	182632	34.032	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.55	75	135152	209.115	ug/l #	1

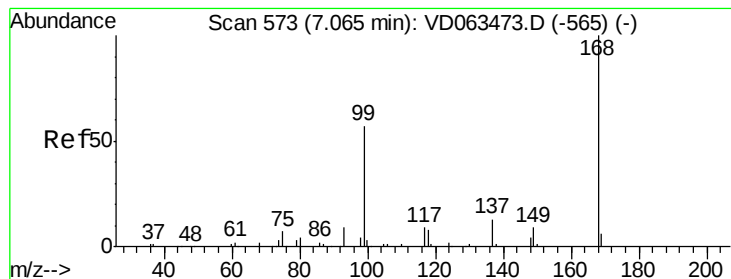
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063750.D

Acq: 22 Aug 2019 22:57

Instrument :

MSVOA_D

ClientSampleId :

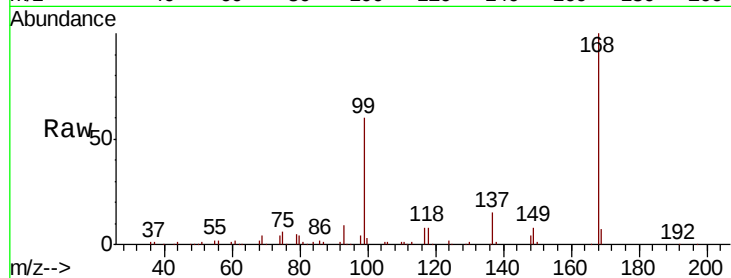
TS-1VW

Tgt Ion:168 Resp: 817572

Ion Ratio Lower Upper

168 100

99 60.2 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

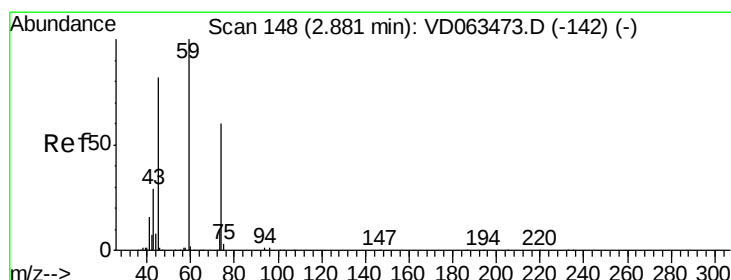
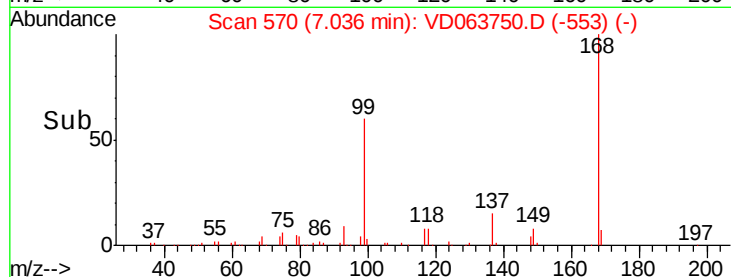
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 1.430 ug/l

RT: 2.85 min Scan# 145

Delta R.T. -0.03 min

Lab File: VD063750.D

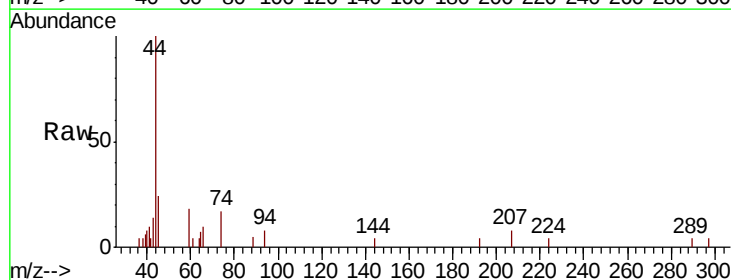
Acq: 22 Aug 2019 22:57

Tgt Ion: 74 Resp: 3038

Ion Ratio Lower Upper

74 100

45 134.9 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2500

2000

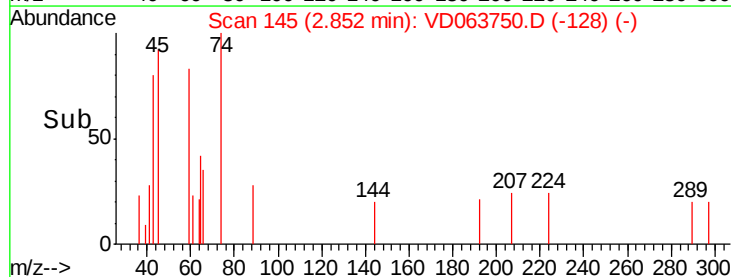
1500

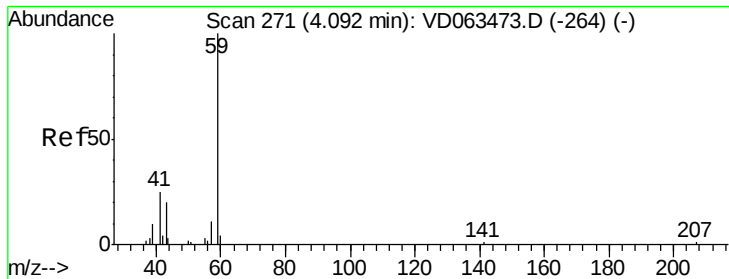
1000

500

0

Time-->



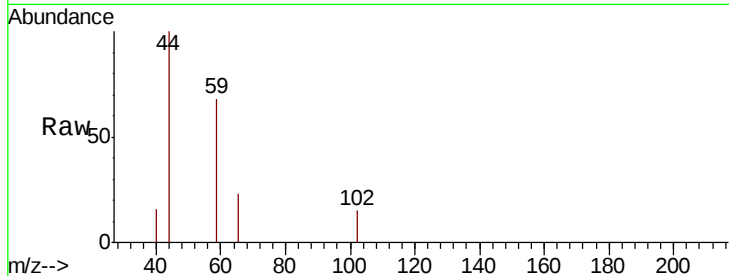


#11

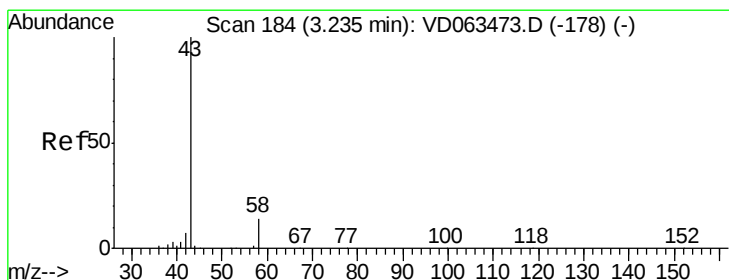
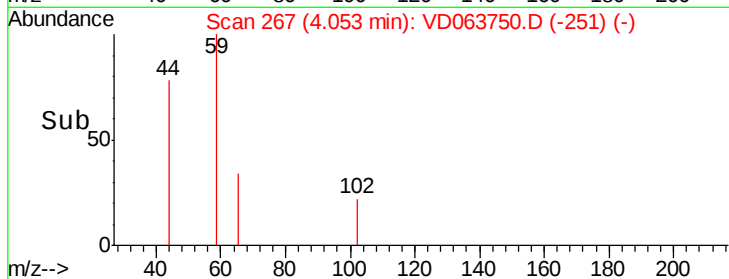
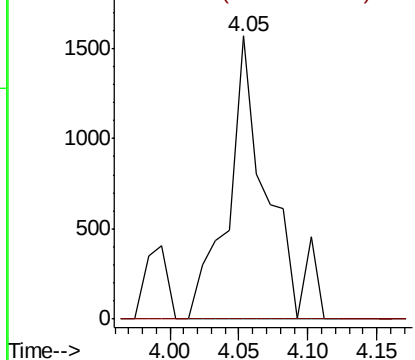
Tert butyl alcohol
 Concen: 8.246 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. -0.04 min
 Lab File: VD063750.D
 Acq: 22 Aug 2019 22:57

Instrument :
 MSVOA_D
 ClientSampleId :
 TS-1VW

Tgt Ion: 59 Resp: 3137
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#



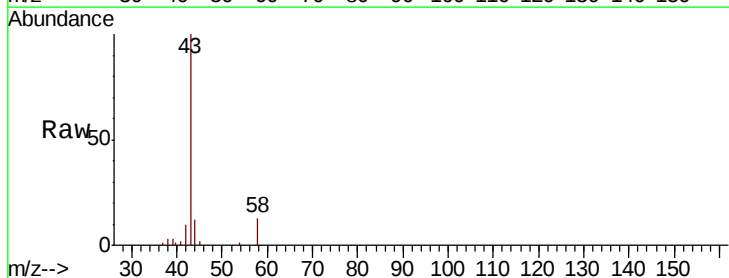
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



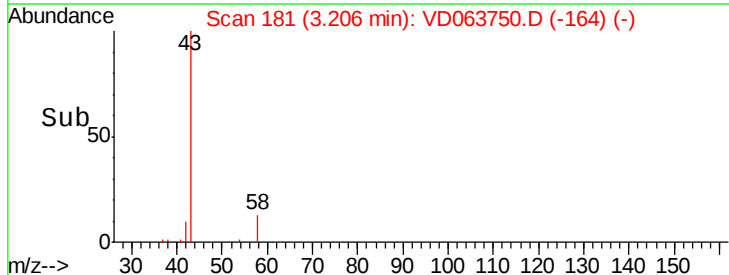
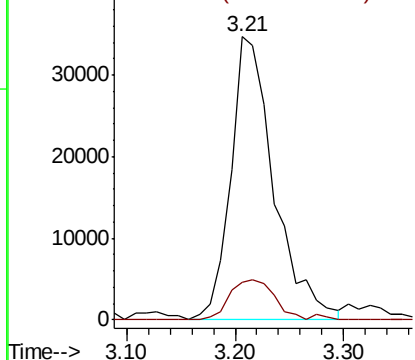
#16

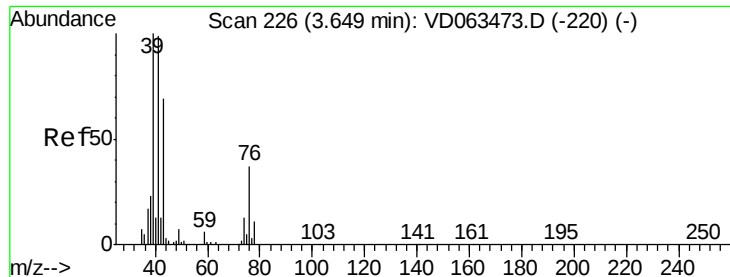
Acetone
 Concen: 54.212 ug/l
 RT: 3.21 min Scan# 181
 Delta R.T. -0.03 min
 Lab File: VD063750.D
 Acq: 22 Aug 2019 22:57

Tgt Ion: 43 Resp: 96308
 Ion Ratio Lower Upper
 43 100
 58 13.3 11.4 17.2



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

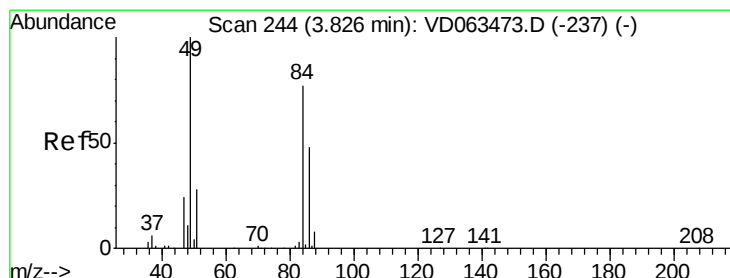
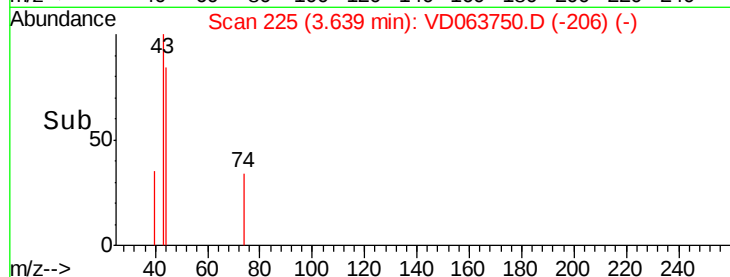
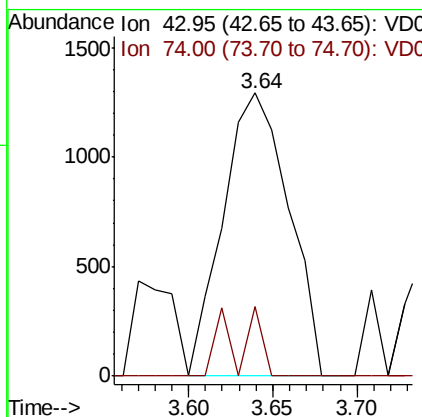
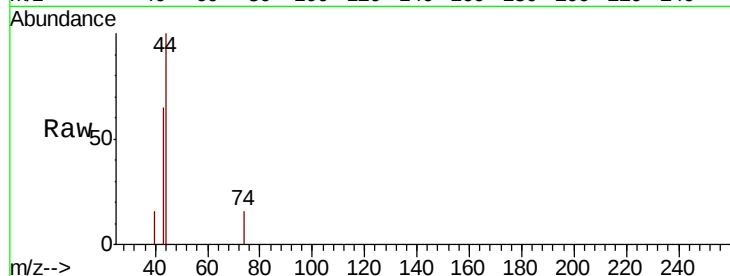




#18
Methyl Acetate
Concen: 1.037 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD063750.D
Acq: 22 Aug 2019 22:57

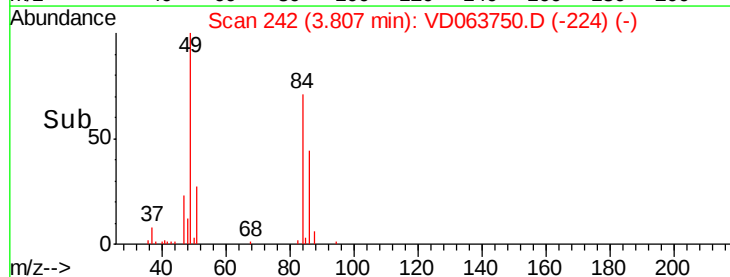
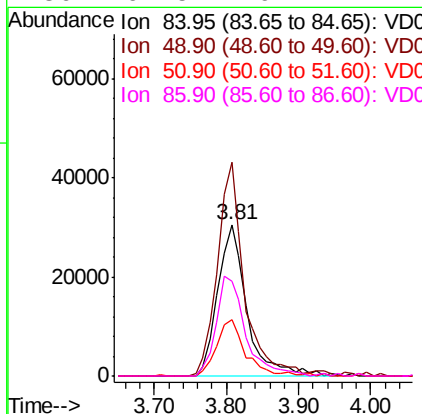
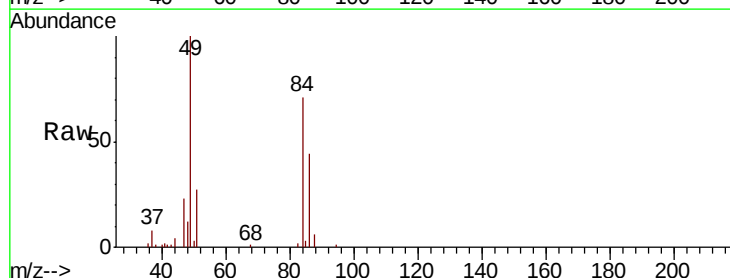
Instrument :
MSVOA_D
ClientSampleId :
TS-1VW

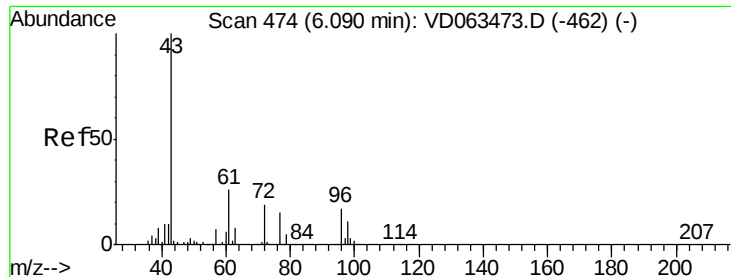
Tgt Ion: 43 Resp: 3488
Ion Ratio Lower Upper
43 100
74 24.7 15.4 23.2#



#20
Methylene Chloride
Concen: 11.099 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063750.D
Acq: 22 Aug 2019 22:57

Tgt Ion: 84 Resp: 85263
Ion Ratio Lower Upper
84 100
49 141.1 103.4 155.2
51 37.6 28.5 42.7
86 62.5 49.4 74.2





#25

2-Butanone

Concen: 3.187 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063750.D

Acq: 22 Aug 2019 22:57

Instrument :

MSVOA_D

ClientSampleId :

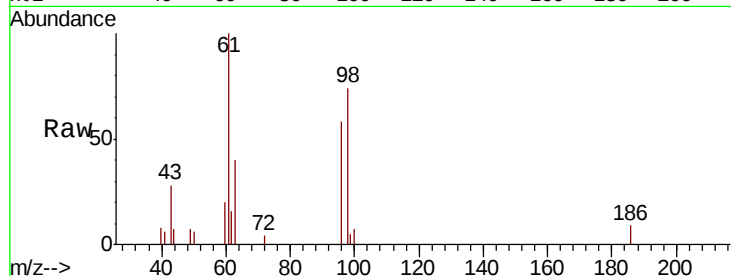
TS-1VW

Tgt Ion: 43 Resp: 5591

Ion Ratio Lower Upper

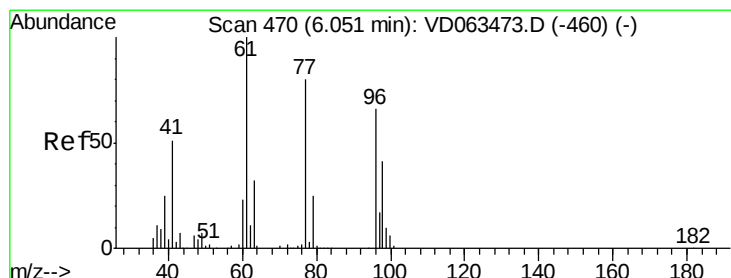
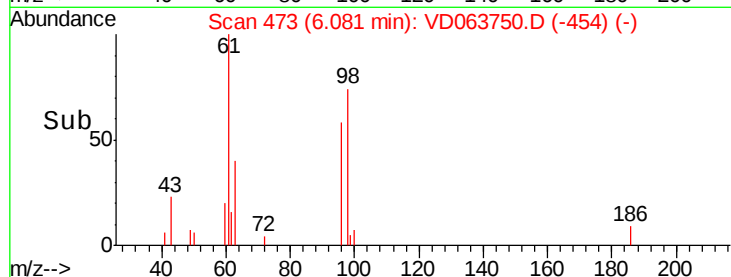
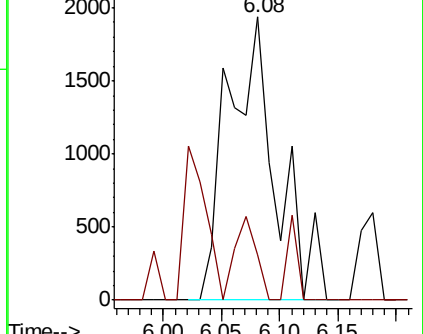
43 100

72 16.0 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#27

cis-1,2-Dichloroethene

Concen: 26.713 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD063750.D

Acq: 22 Aug 2019 22:57

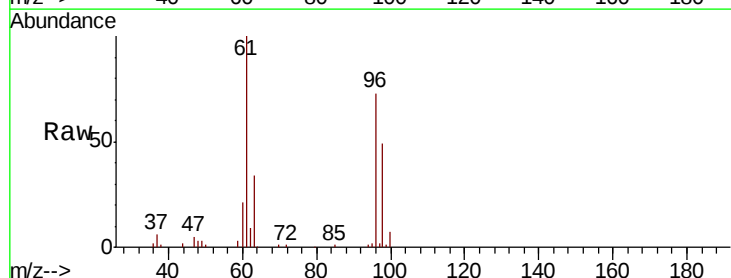
Tgt Ion: 96 Resp: 203181

Ion Ratio Lower Upper

96 100

61 137.4 0.0 304.0

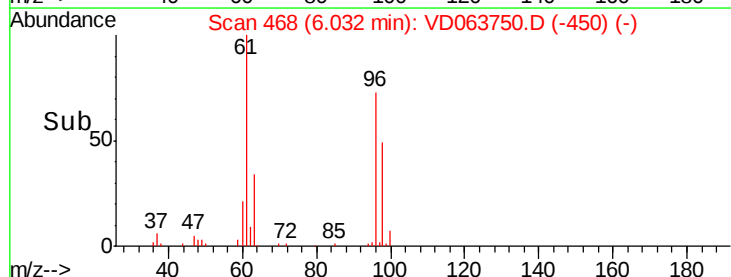
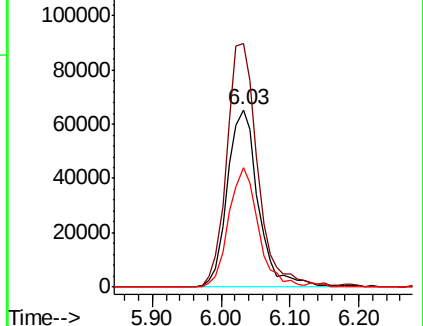
98 67.5 0.0 124.8

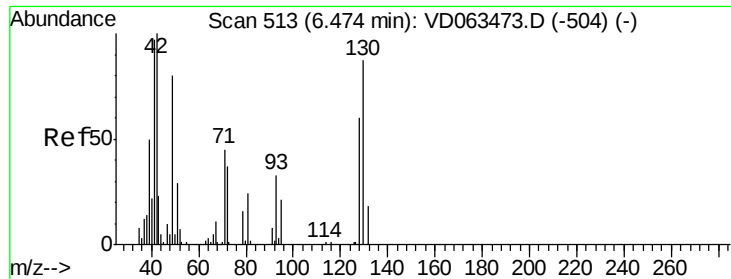


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

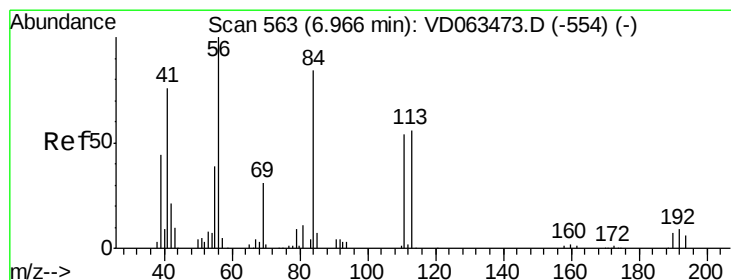
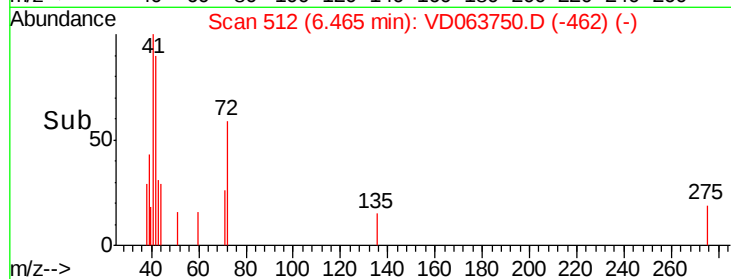
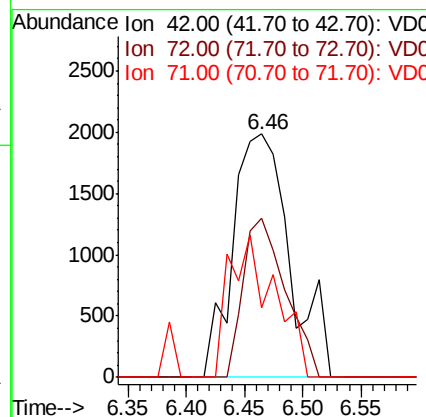
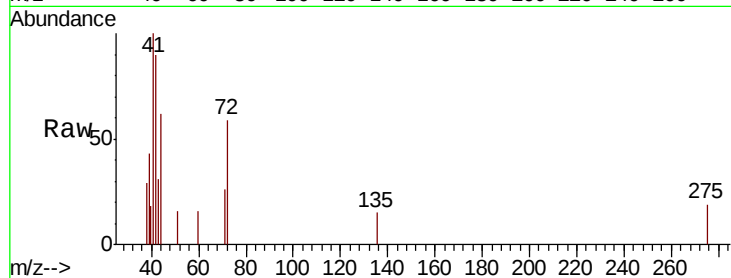




#29
Tetrahydrofuran
Concen: 8.244 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.01 min
Lab File: VD063750.D
Acq: 22 Aug 2019 22:57

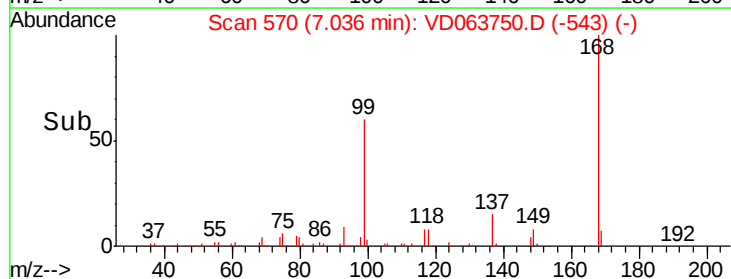
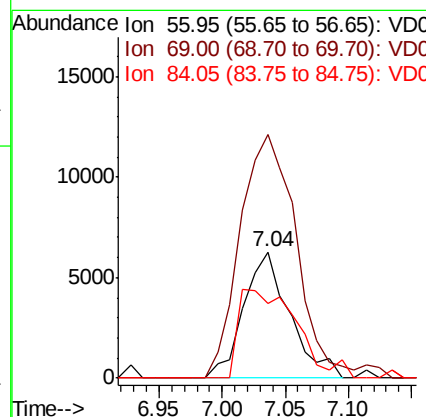
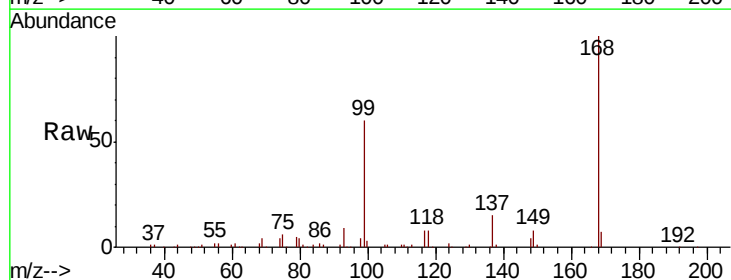
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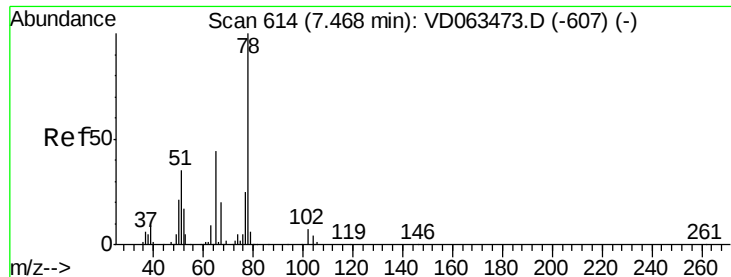
Tgt Ion: 42 Resp: 6740
Ion Ratio Lower Upper
42 100
72 48.7 31.5 47.3#
71 46.9 33.8 50.8



#31
Cyclohexane
Concen: 2.011 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063750.D
Acq: 22 Aug 2019 22:57

Tgt Ion: 56 Resp: 15872
Ion Ratio Lower Upper
56 100
69 192.9 25.0 37.6#
84 59.4 69.7 104.5#

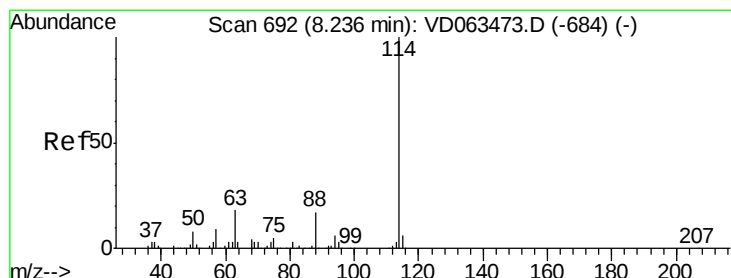
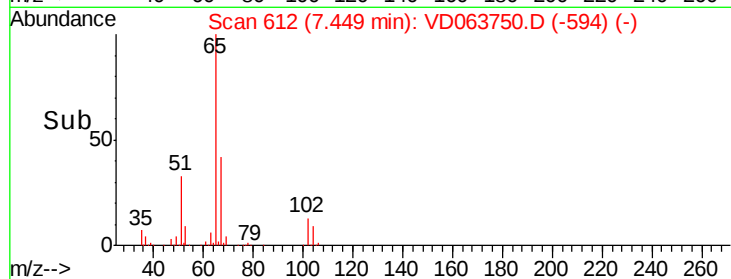
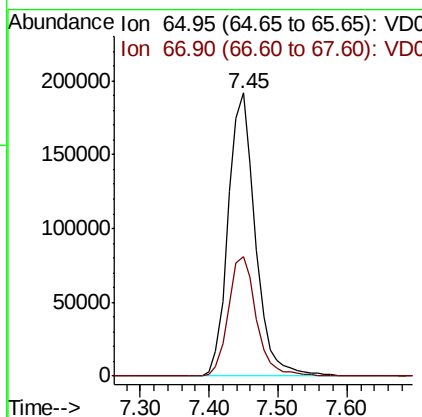
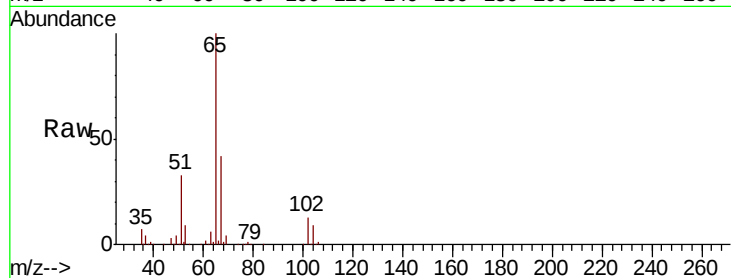




#33
 1,2-Dichloroethane-d4
 Concen: 59.958 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: VD063750.D
 Acq: 22 Aug 2019 22:57

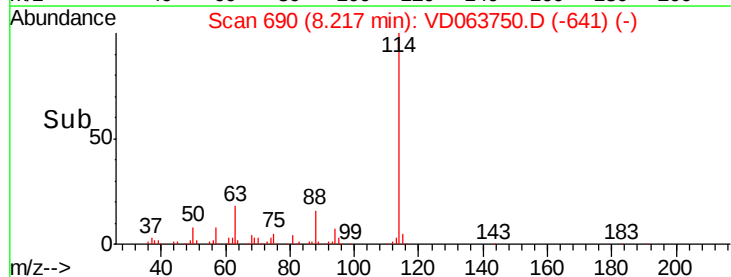
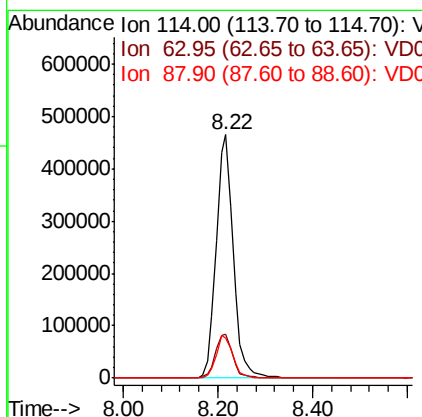
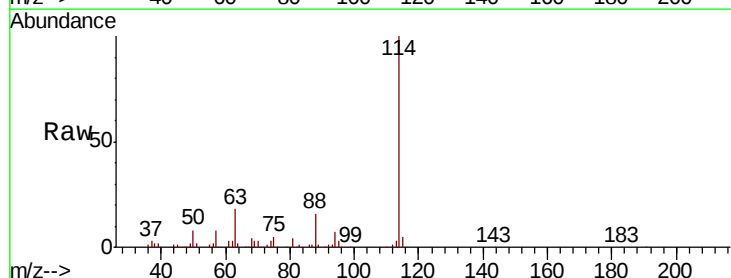
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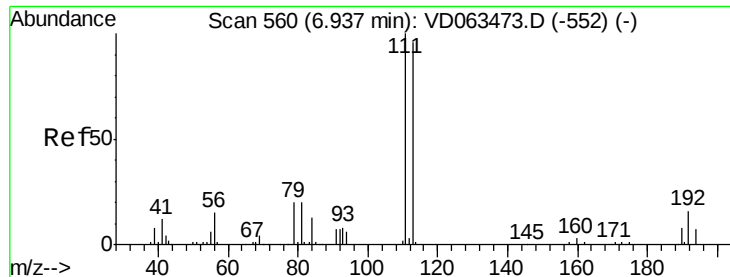
Tgt Ion: 65 Resp: 523985
 Ion Ratio Lower Upper
 65 100
 67 42.2 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: VD063750.D
 Acq: 22 Aug 2019 22:57

Tgt Ion: 114 Resp: 1163159
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.2
 88 16.2 0.0 35.0





#35

Dibromofluoromethane

Concen: 64.688 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063750.D

Acq: 22 Aug 2019 22:57

Instrument :

MSVOA_D

ClientSampleId :

TS-1VW

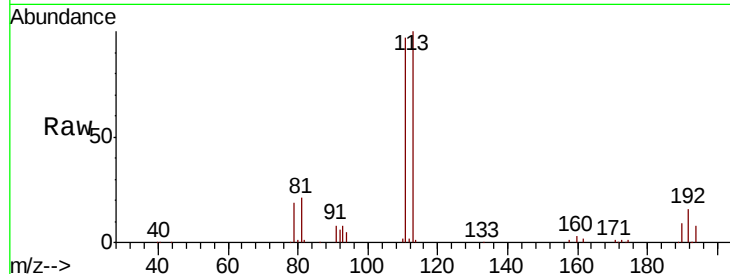
Tgt Ion:113 Resp: 633696

Ion Ratio Lower Upper

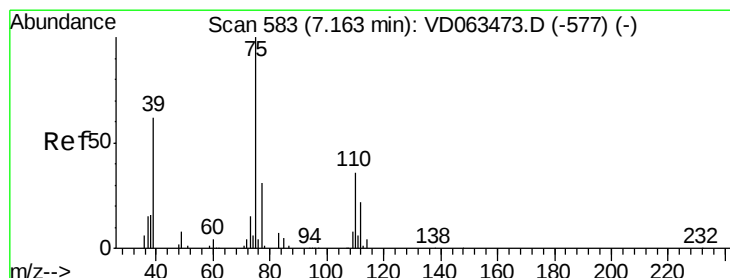
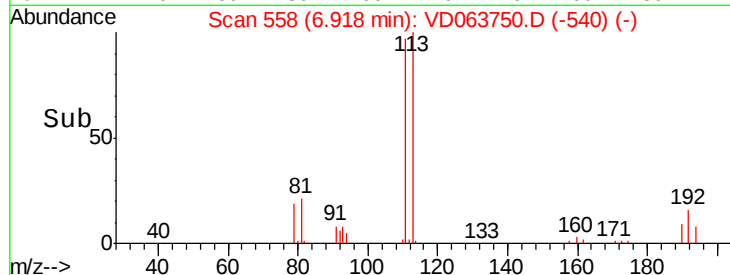
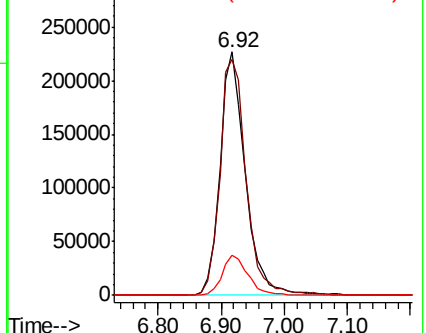
113 100

111 96.7 83.1 124.7

192 16.3 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: 5.586 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.14 min

Lab File: VD063750.D

Acq: 22 Aug 2019 22:57

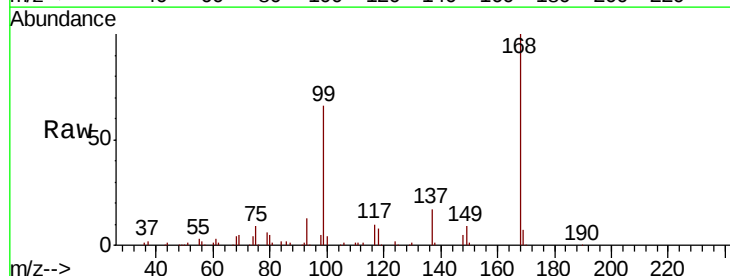
Tgt Ion: 75 Resp: 57435

Ion Ratio Lower Upper

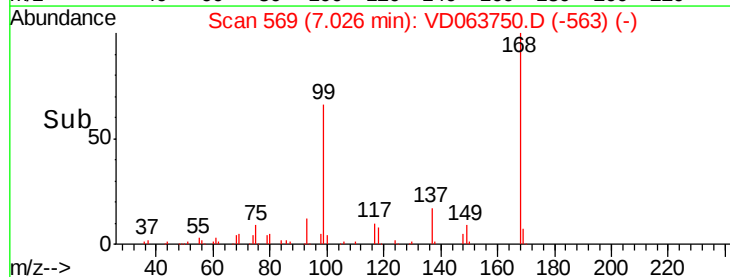
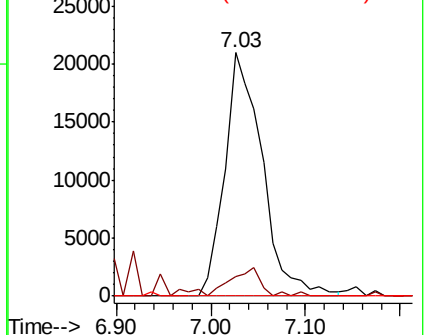
75 100

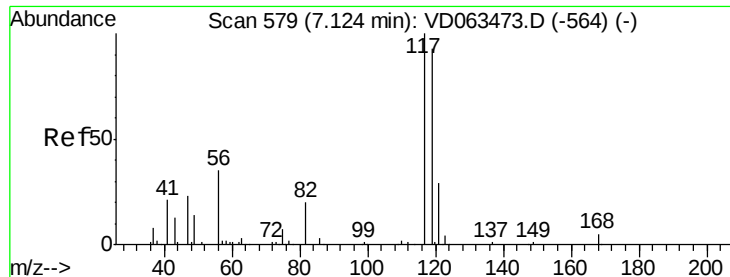
110 8.3 17.6 52.8#

77 0.0 24.3 36.5#



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: 4.826 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063750.D

Acq: 22 Aug 2019 22:57

Instrument :

MSVOA_D

ClientSampleId :

TS-1VW

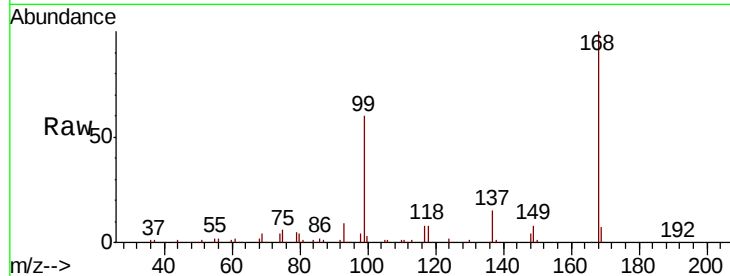
Tgt Ion:117 Resp: 74788

Ion Ratio Lower Upper

117 100

119 4.3 74.2 111.2#

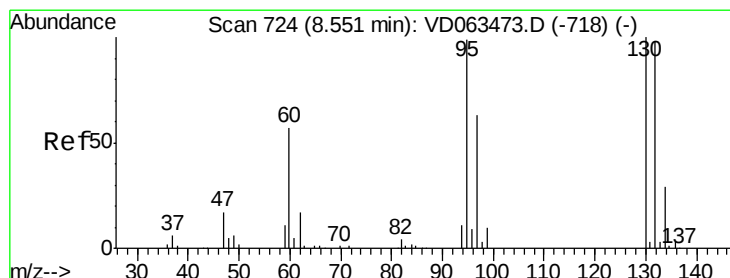
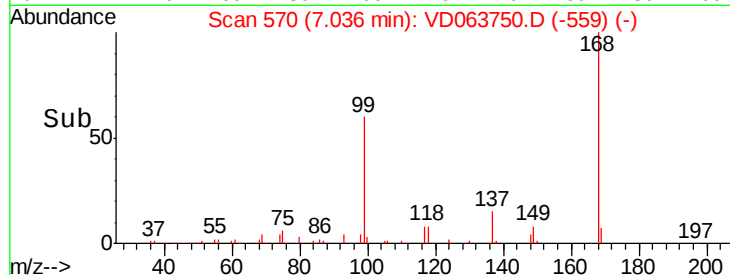
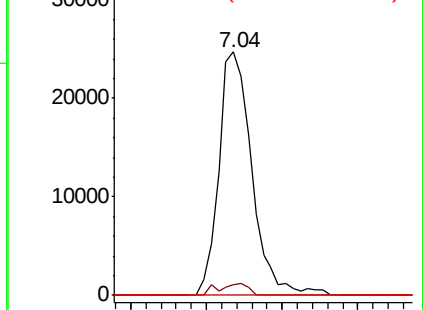
121 0.0 23.1 34.7#



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



#44

Trichloroethene

Concen: 12.345 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD063750.D

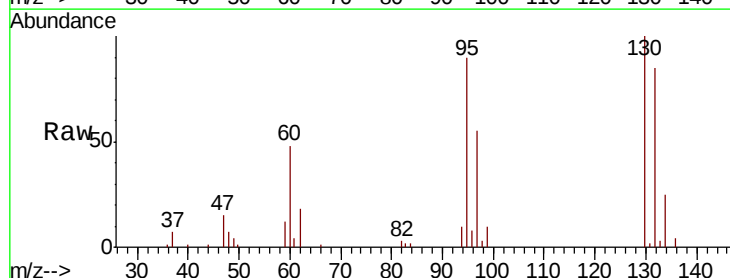
Acq: 22 Aug 2019 22:57

Tgt Ion:130 Resp: 106771

Ion Ratio Lower Upper

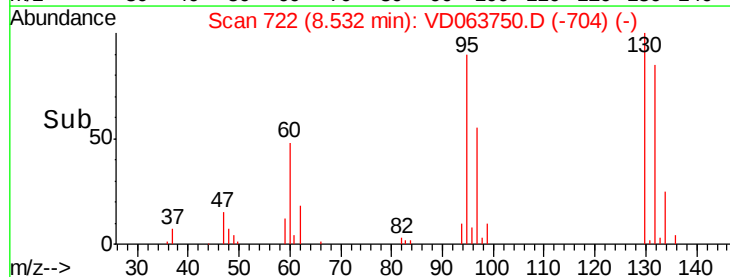
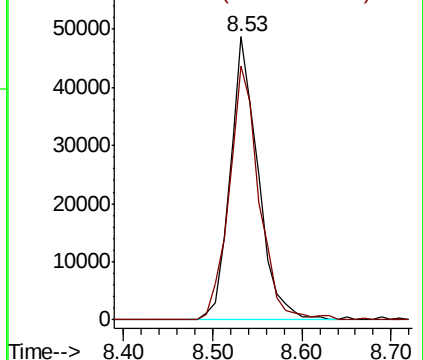
130 100

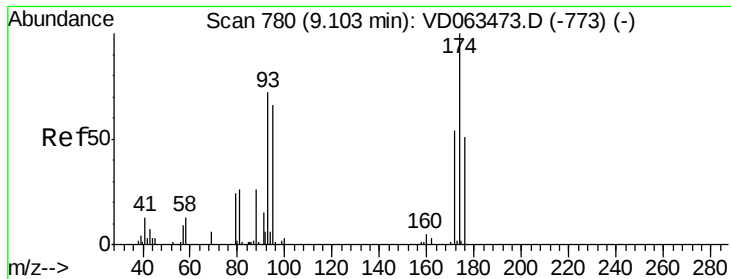
95 89.6 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 30.042 ug/l

RT: 8.71 min Scan# 740

Delta R.T. -0.39 min

Lab File: VD063750.D

Acq: 22 Aug 2019 22:57

Instrument :

MSVOA_D

ClientSampleId :

TS-1VW

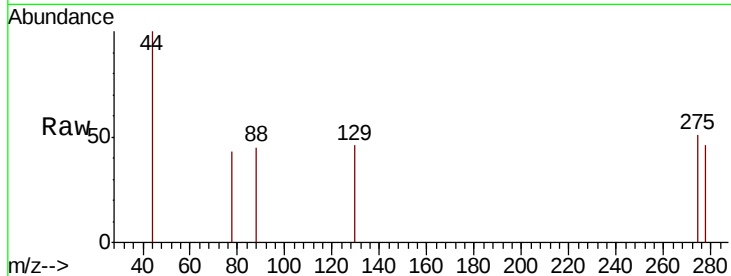
Tgt Ion: 88 Resp: 190

Ion Ratio Lower Upper

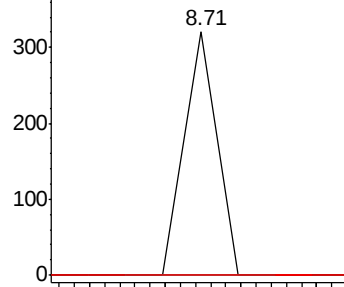
88 100

43 0.0 22.9 34.3#

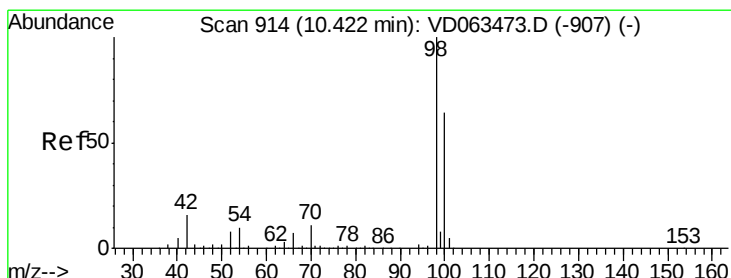
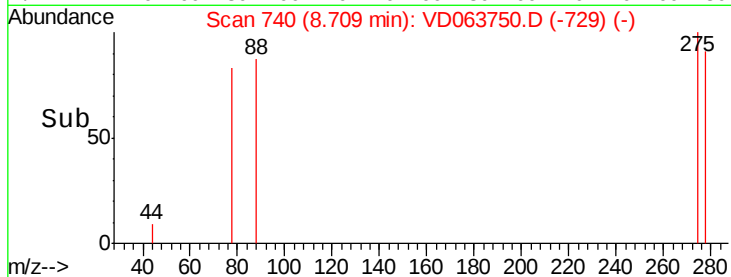
58 0.0 40.1 60.1#



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



Time-->



#50

Toluene-d8

Concen: 50.253 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063750.D

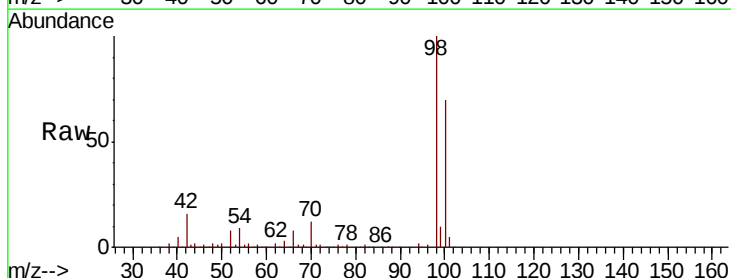
Acq: 22 Aug 2019 22:57

Tgt Ion: 98 Resp: 1082321

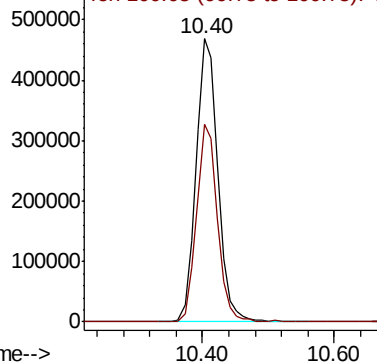
Ion Ratio Lower Upper

98 100

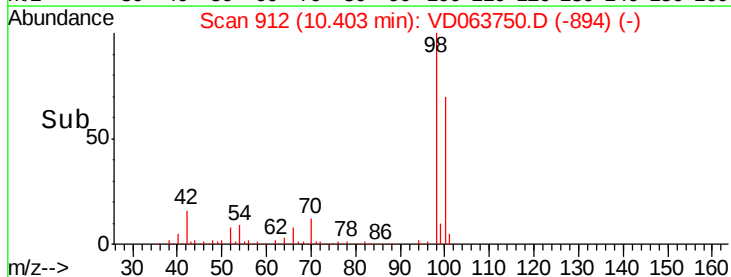
100 69.8 51.7 77.5

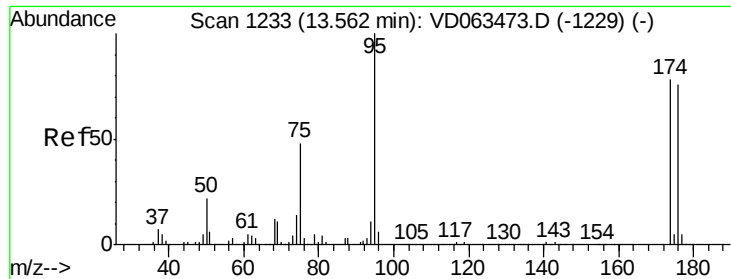


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC



Time-->

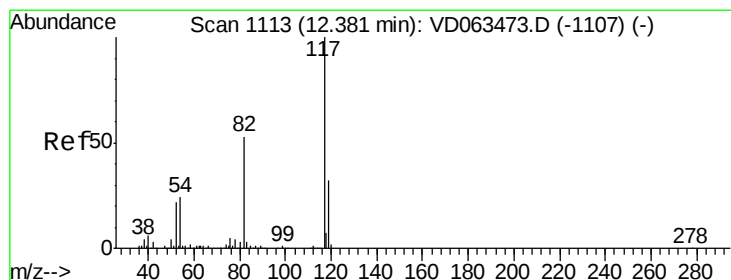
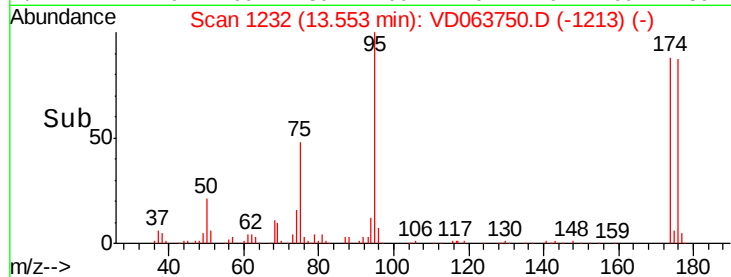
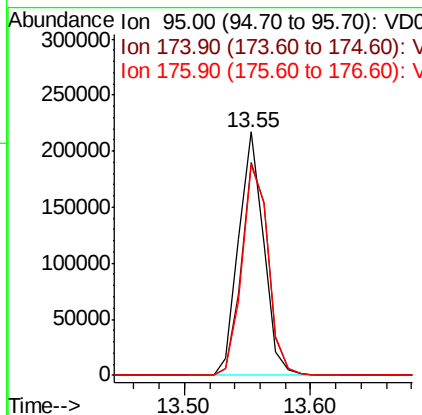
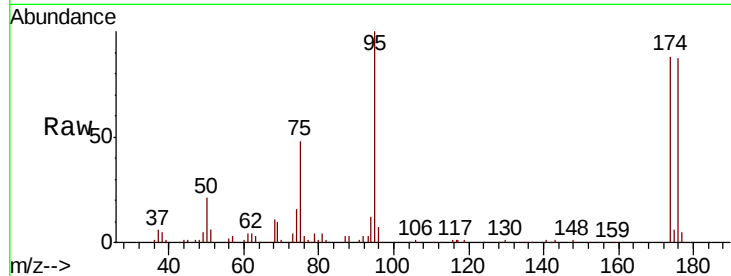




#62
4-Bromofluorobenzene
Concen: 30.249 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063750.D
Acq: 22 Aug 2019 22:57

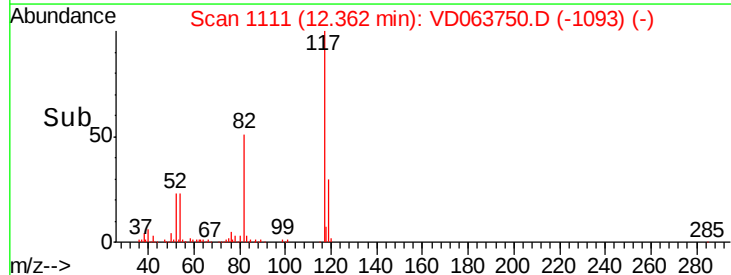
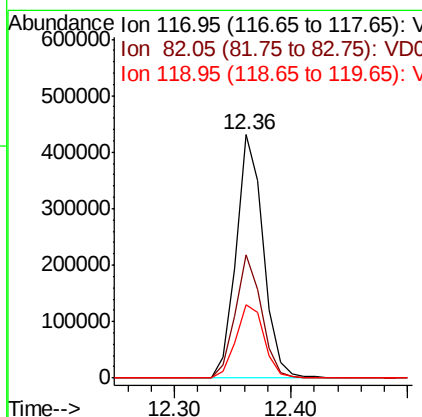
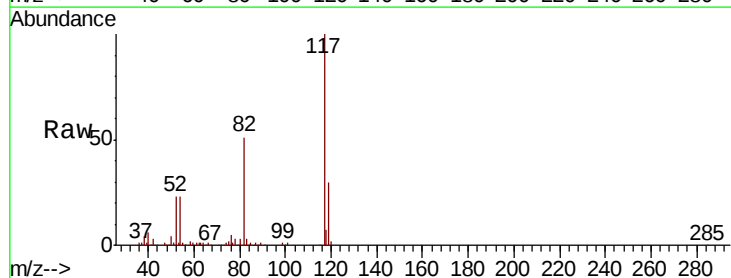
Instrument :
MSVOA_D
ClientSampleId :
TS-1VW

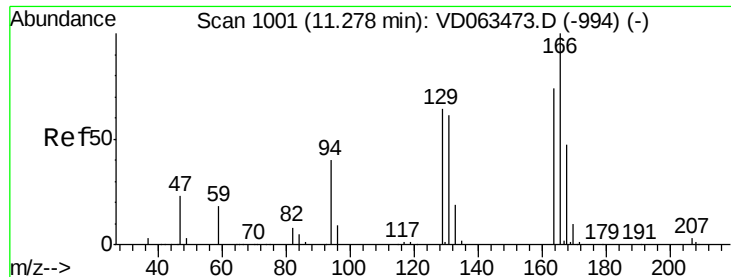
Tgt Ion: 95 Resp: 295277
Ion Ratio Lower Upper
95 100
174 87.6 0.0 155.4
176 86.6 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063750.D
Acq: 22 Aug 2019 22:57

Tgt Ion: 117 Resp: 695154
Ion Ratio Lower Upper
117 100
82 50.9 42.0 63.0
119 30.1 25.4 38.0

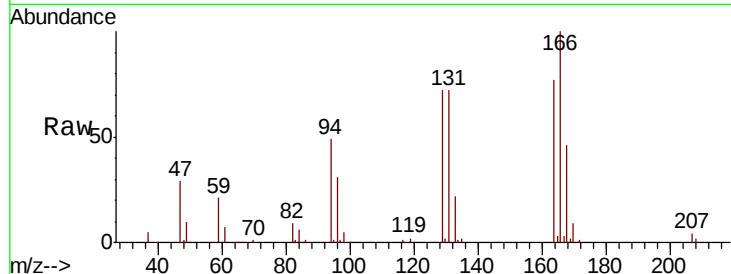




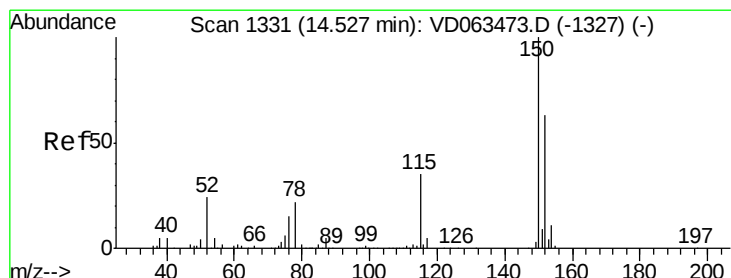
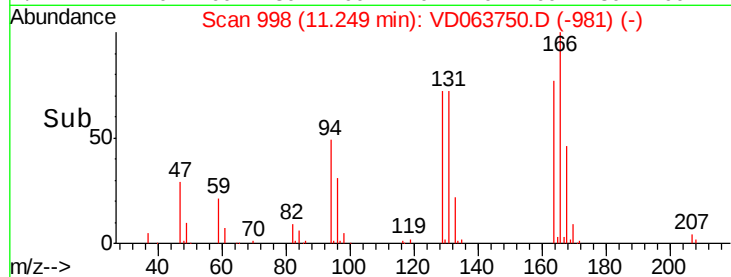
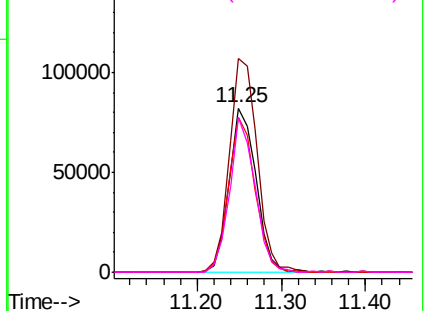
#64
Tetrachloroethene
Concen: 34.032 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063750.D
Acq: 22 Aug 2019 22:57

Instrument :
MSVOA_D
ClientSampleId :
TS-1VW

Tgt Ion:164 Resp: 182632
Ion Ratio Lower Upper
164 100
166 129.9 108.6 163.0
129 94.1 69.0 103.6
131 94.1 66.6 99.8

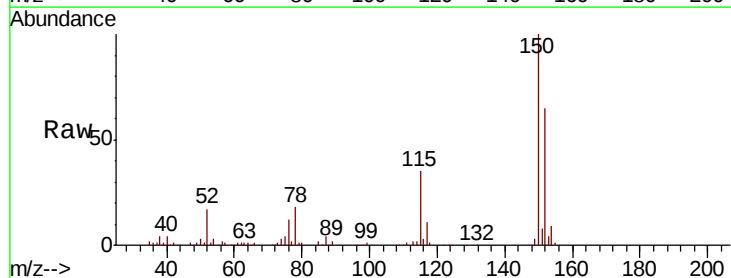


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

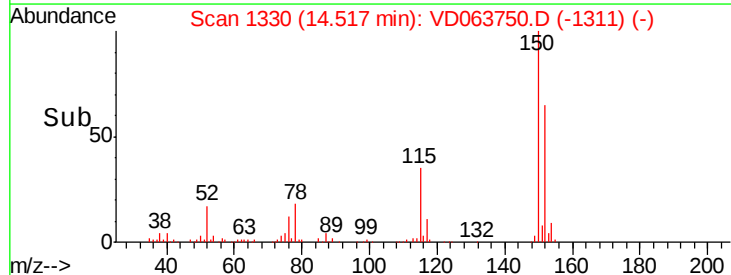
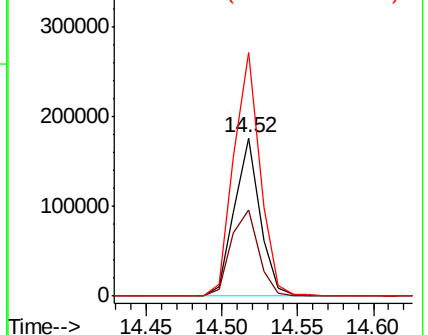


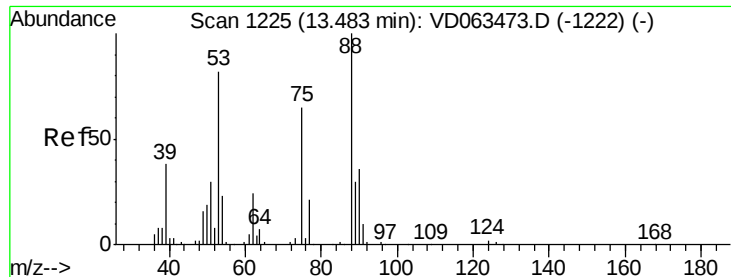
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063750.D
Acq: 22 Aug 2019 22:57

Tgt Ion:152 Resp: 209524
Ion Ratio Lower Upper
152 100
115 54.1 30.9 92.7
150 153.7 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: 209.115 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063750.D

Acq: 22 Aug 2019 22:57

Instrument :

MSVOA_D

ClientSampleId :

TS-1VW

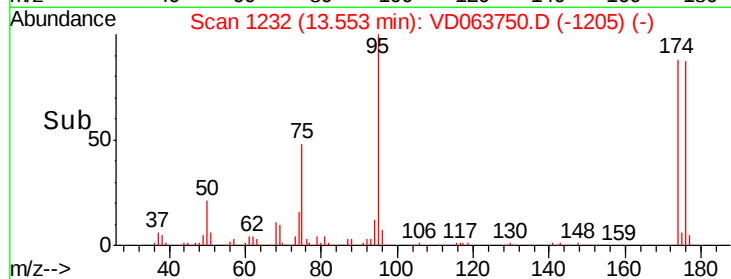
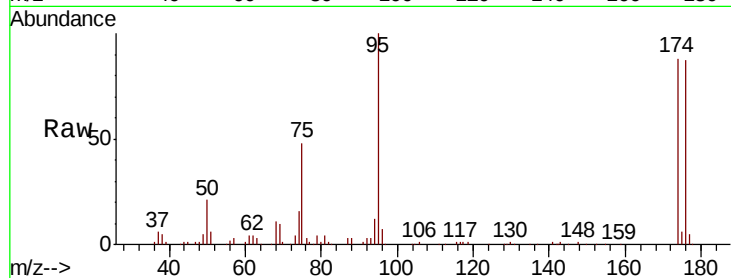
Tgt Ion: 75 Resp: 135152

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



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

