

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082319\
 Data File : VD063760.D
 Acq On : 23 Aug 2019 12:27
 Operator : JC/SY
 Sample : K4491-04RE
 Misc : 5.28g/5ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TS-1-VW

Quant Time: Aug 26 01:05:54 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	975554	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1363104	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	989956	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	366333	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	548146	52.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.14%	
35) Dibromofluoromethane	6.91	113	662358	57.70	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	115.40%	
50) Toluene-d8	10.41	98	1441855	57.13	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	114.26%	
62) 4-Bromofluorobenzene	13.55	95	501461	43.84	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	87.68%	

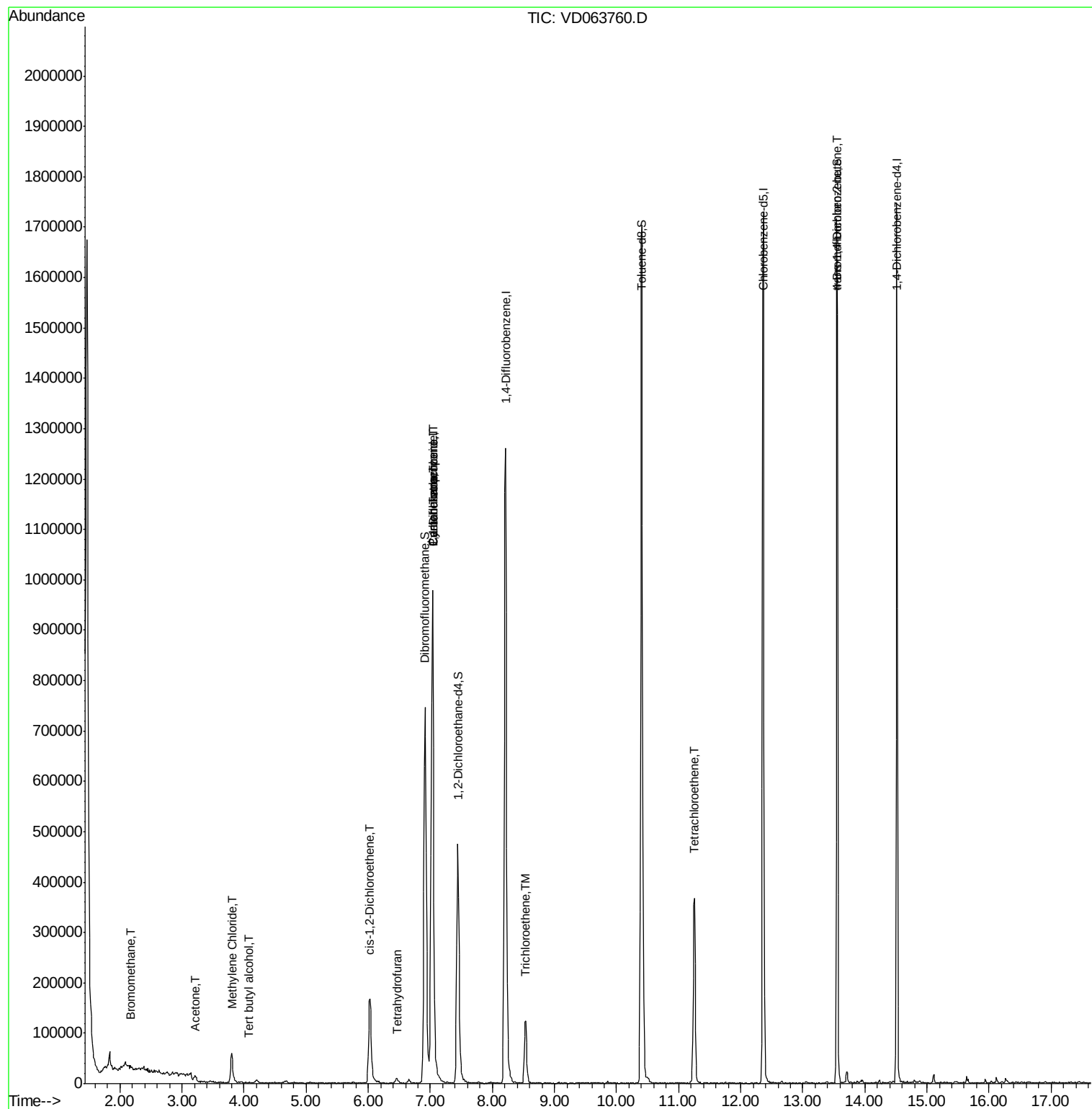
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	5025	1.163	ug/l #	46
11) Tert butyl alcohol	4.07	59	571	1.258	ug/l #	71
16) Acetone	3.21	43	21635	10.206	ug/l	97
20) Methylene Chloride	3.80	84	33835	3.691	ug/l #	85
27) cis-1,2-Dichloroethene	6.03	96	105204	11.592	ug/l	90
29) Tetrahydrofuran	6.46	42	9516	9.754	ug/l #	75
31) Cyclohexane	7.03	56	20187	2.144	ug/l #	19
36) 1,1-Dichloropropene	7.03	75	72736	6.036	ug/l #	52
38) Carbon Tetrachloride	7.04	117	93416	5.144	ug/l #	17
44) Trichloroethene	8.54	130	55302	5.456	ug/l	92
64) Tetrachloroethene	11.25	164	112846	14.766	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.55	75	230651	204.116	ug/l #	1

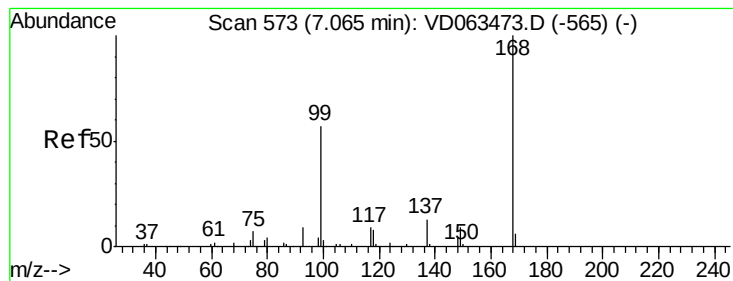
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082319\
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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: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063760.D

Acq: 23 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

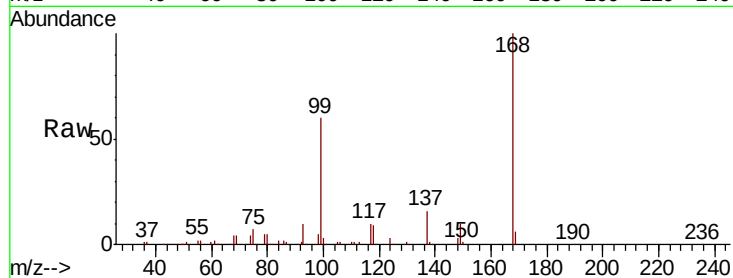
TS-1-VW

Tgt Ion:168 Resp: 975554

Ion Ratio Lower Upper

168 100

99 60.0 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

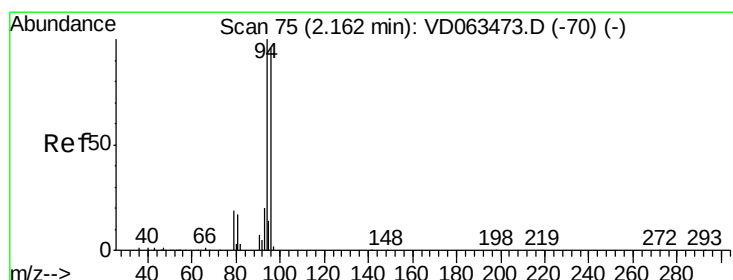
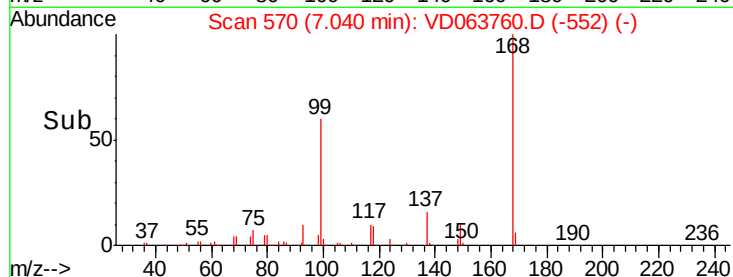
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.163 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD063760.D

Acq: 23 Aug 2019 12:27

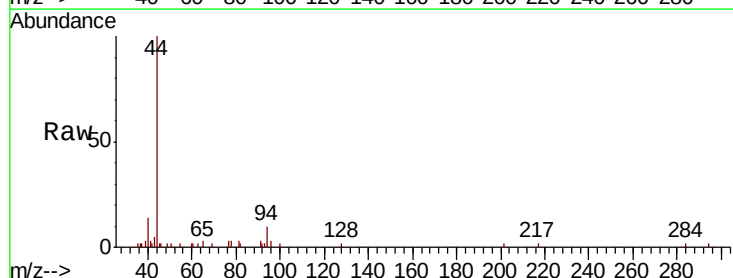
Tgt Ion: 94 Resp: 5025

Ion Ratio Lower Upper

94 100

96 32.5 76.5 114.7#

93 21.9 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

2500

2000

1500

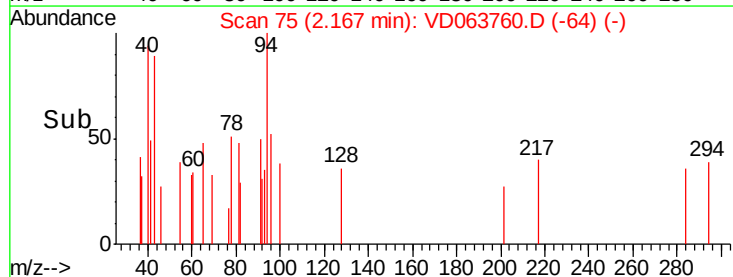
1000

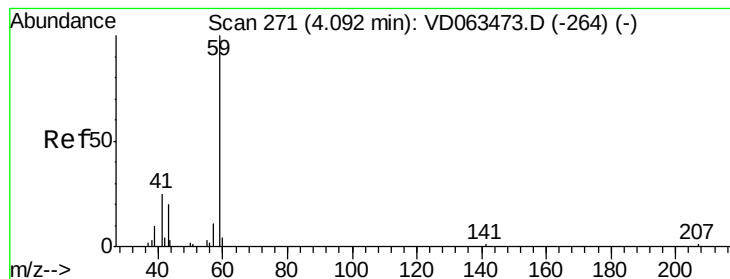
500

0

Time-->

2.10 2.15 2.20





#11

Tert butyl alcohol

Concen: 1.258 ug/l

RT: 4.07 min Scan# 268

Delta R.T. -0.02 min

Lab File: VD063760.D

Acq: 23 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

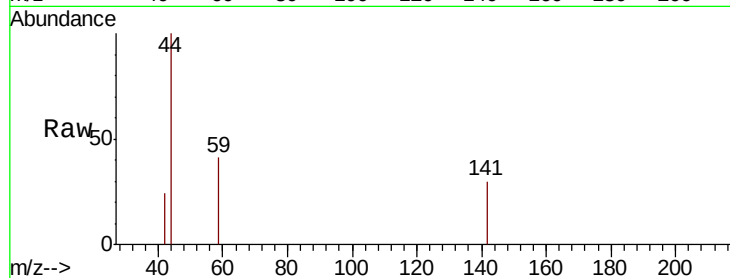
TS-1-VW

Tgt Ion: 59 Resp: 571

Ion Ratio Lower Upper

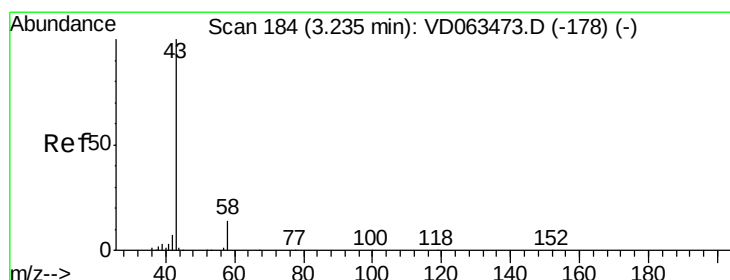
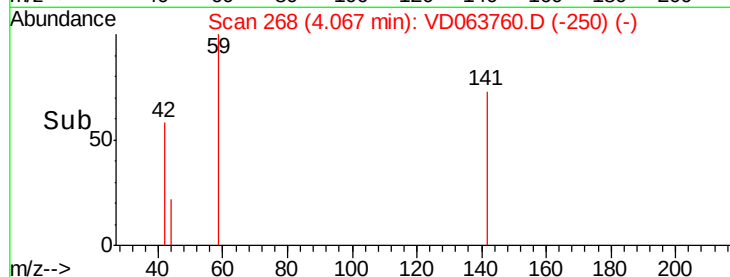
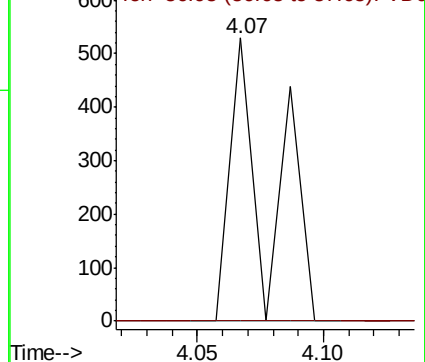
59 100

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: 10.206 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD063760.D

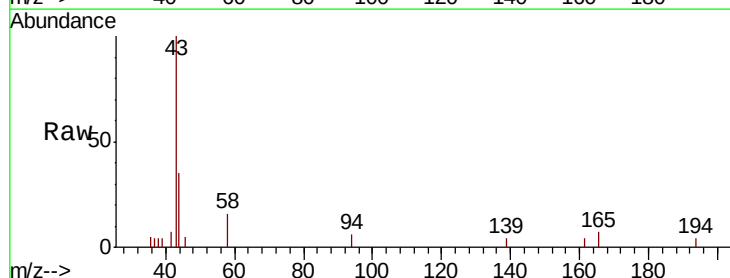
Acq: 23 Aug 2019 12:27

Tgt Ion: 43 Resp: 21635

Ion Ratio Lower Upper

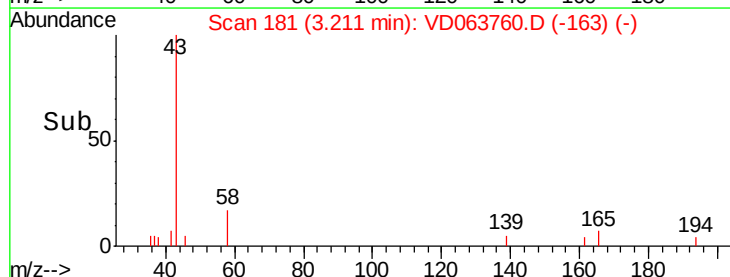
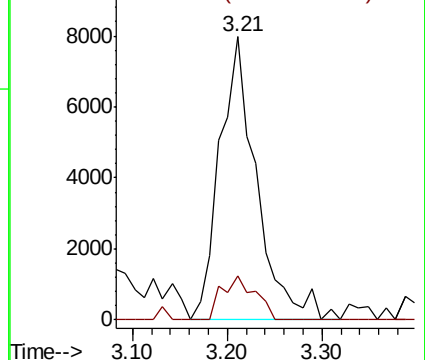
43 100

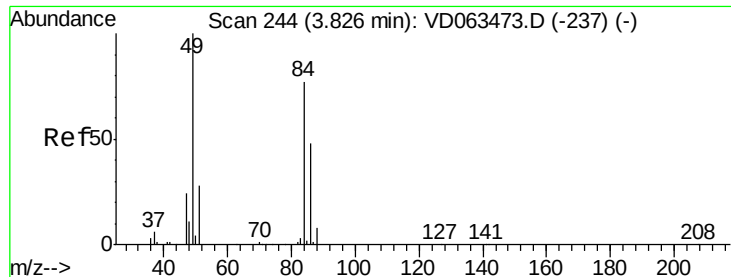
58 15.6 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

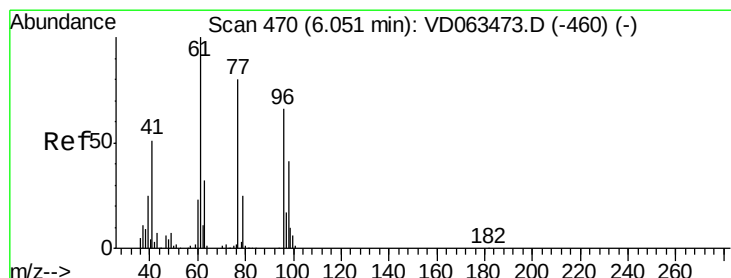
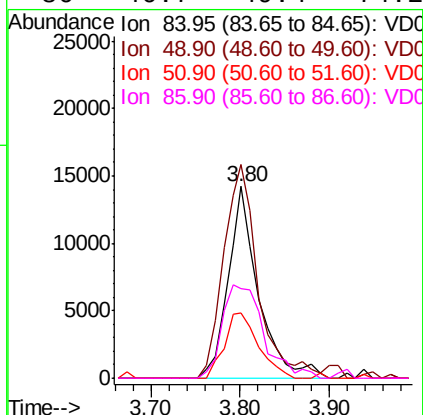
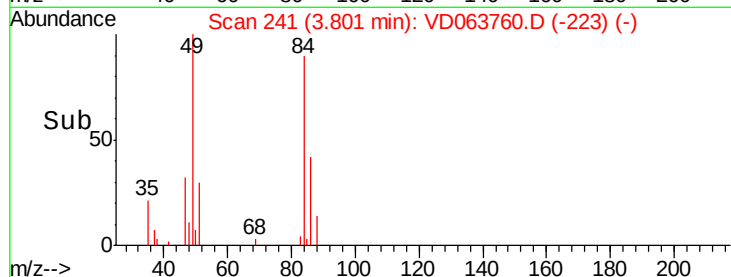
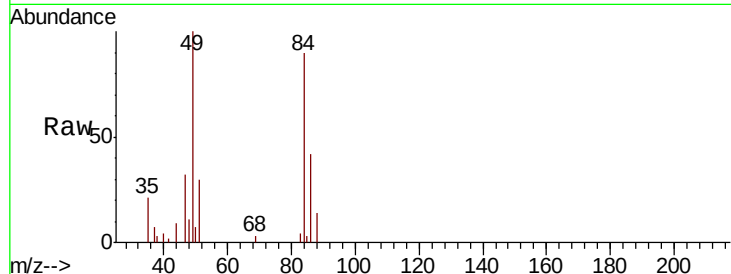




#20
Methylene Chloride
Concen: 3.691 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063760.D
Acq: 23 Aug 2019 12:27

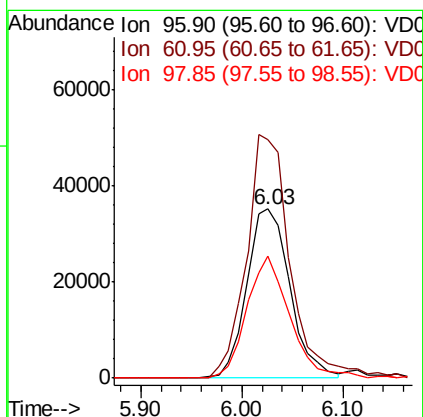
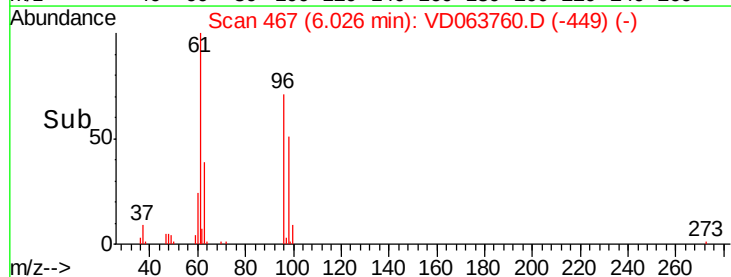
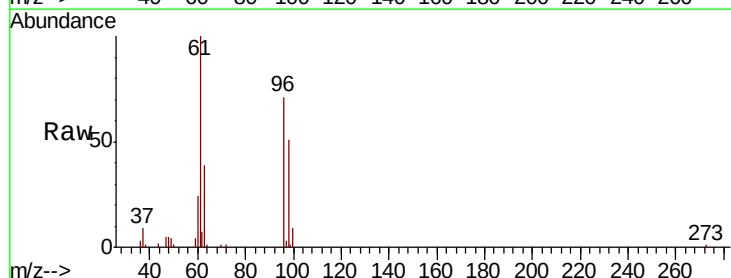
Instrument :
MSVOA_D
ClientSampleId :
TS-1-VW

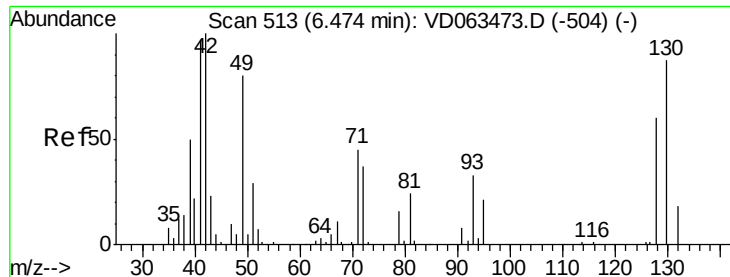
Tgt Ion: 84 Resp: 33835
Ion Ratio Lower Upper
84 100
49 111.5 103.4 155.2
51 33.8 28.5 42.7
86 46.7 49.4 74.2#



#27
cis-1,2-Dichloroethene
Concen: 11.592 ug/l
RT: 6.03 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD063760.D
Acq: 23 Aug 2019 12:27

Tgt Ion: 96 Resp: 105204
Ion Ratio Lower Upper
96 100
61 141.1 0.0 304.0
98 72.0 0.0 124.8





#29

Tetrahydrofuran

Concen: 9.754 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD063760.D

Acq: 23 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

TS-1-VW

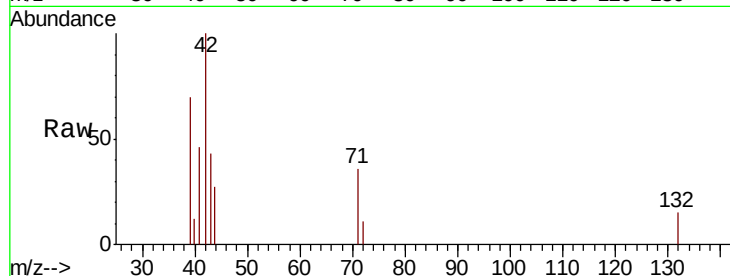
Tgt Ion: 42 Resp: 9516

Ion Ratio Lower Upper

42 100

72 17.7 31.5 47.3#

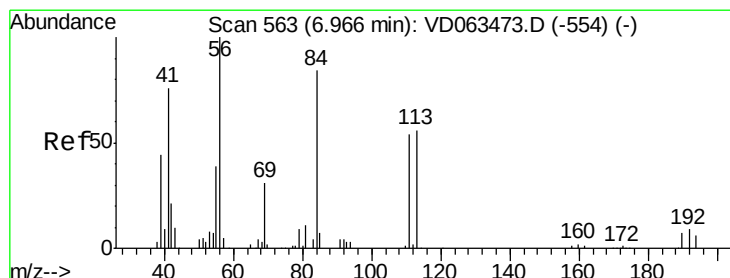
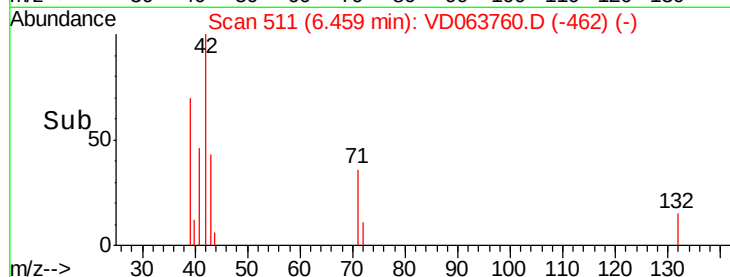
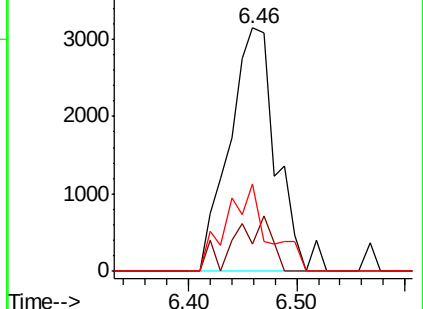
71 32.1 33.8 50.8#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 2.144 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.06 min

Lab File: VD063760.D

Acq: 23 Aug 2019 12:27

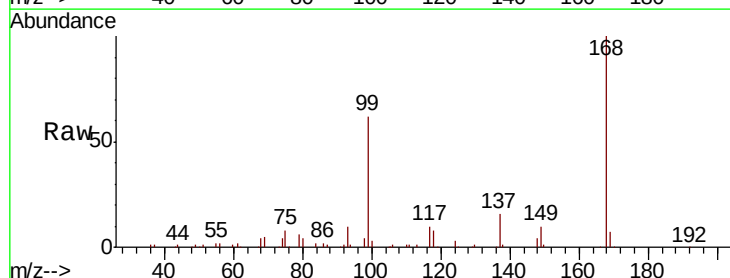
Tgt Ion: 56 Resp: 20187

Ion Ratio Lower Upper

56 100

69 194.0 25.0 37.6#

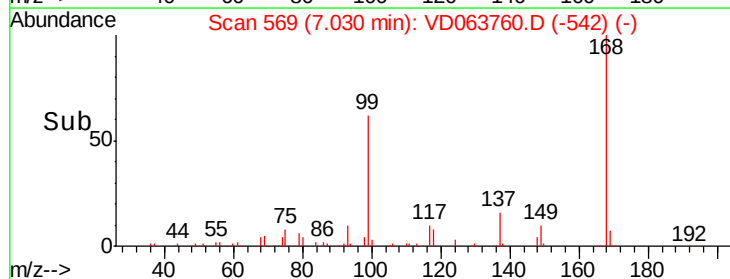
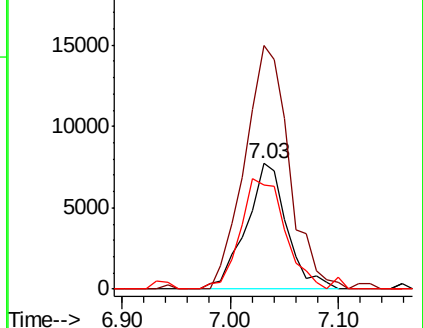
84 82.9 69.7 104.5

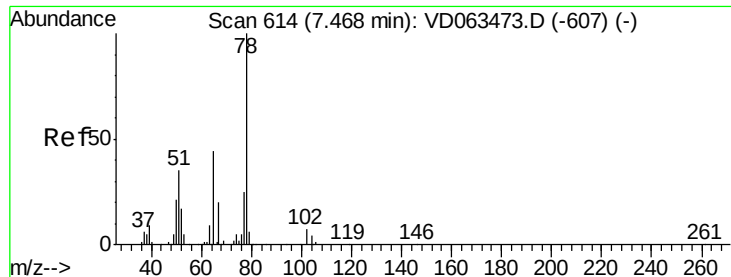


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

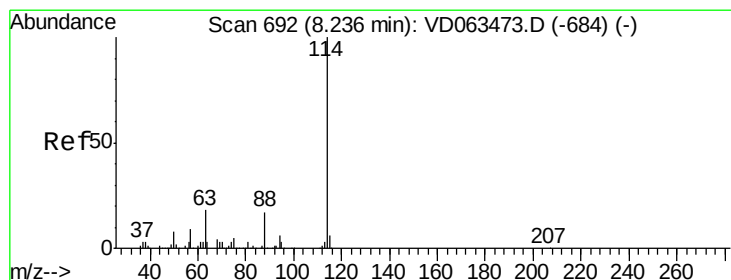
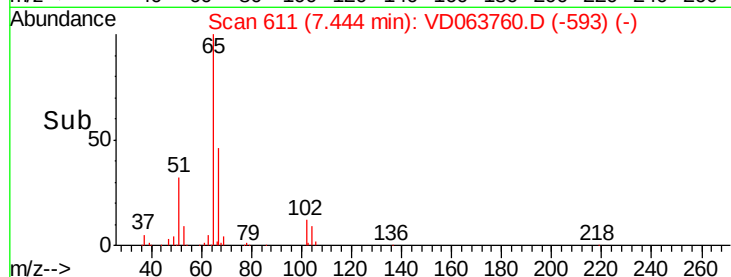
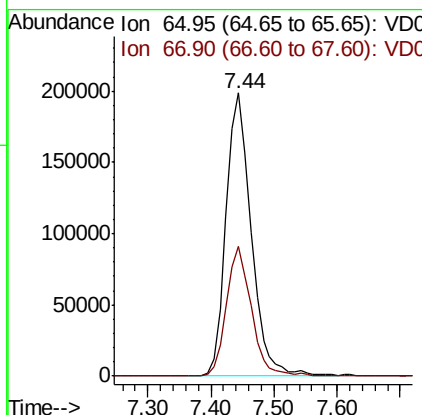
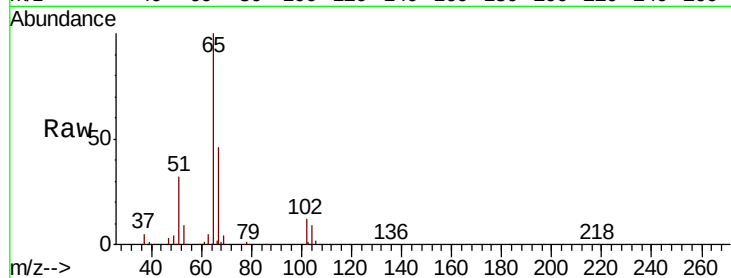




#33
 1,2-Dichloroethane-d4
 Concen: 52.565 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD063760.D
 Acq: 23 Aug 2019 12:27

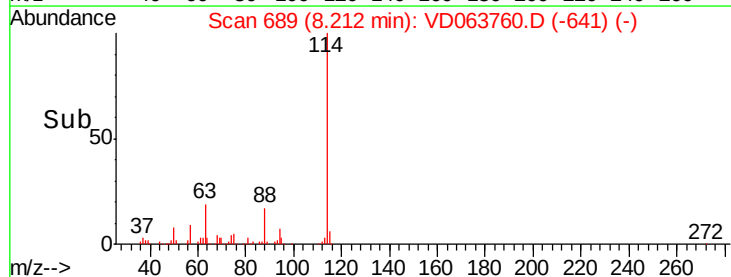
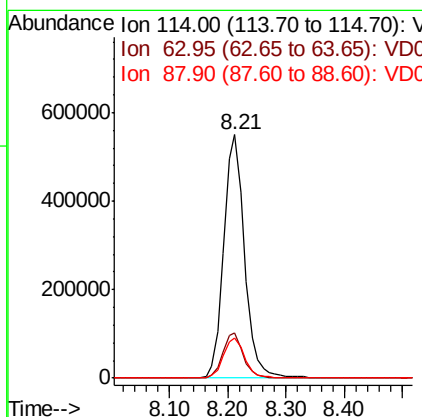
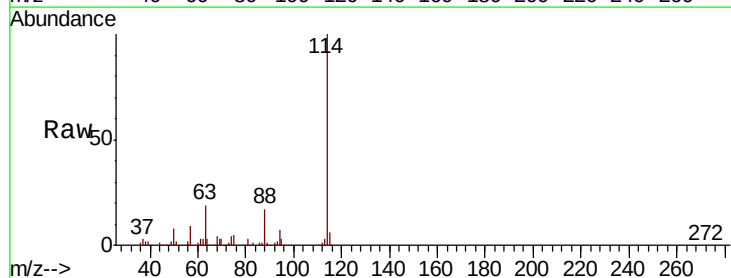
Instrument :
 MSVOA_D
 ClientSampleId :
 TS-1-VW

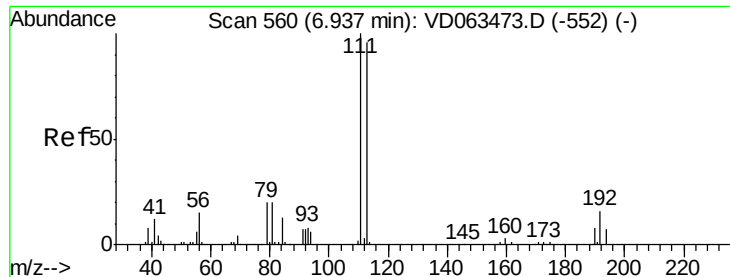
Tgt Ion: 65 Resp: 548146
 Ion Ratio Lower Upper
 65 100
 67 45.7 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD063760.D
 Acq: 23 Aug 2019 12:27

Tgt Ion: 114 Resp: 1363104
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.2
 88 16.6 0.0 35.0





#35

Dibromofluoromethane

Concen: 57.696 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD063760.D

Acq: 23 Aug 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

TS-1-VW

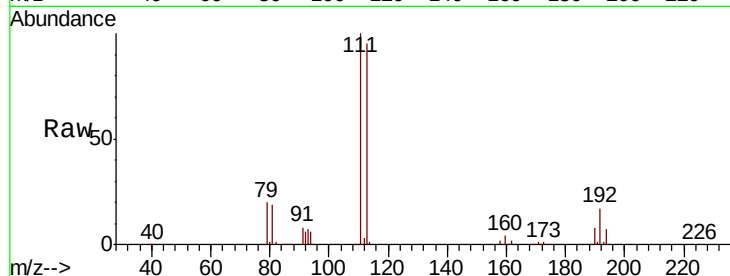
Tgt Ion:113 Resp: 662358

Ion Ratio Lower Upper

113 100

111 105.4 83.1 124.7

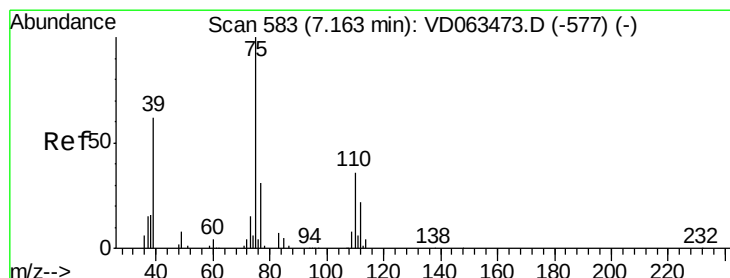
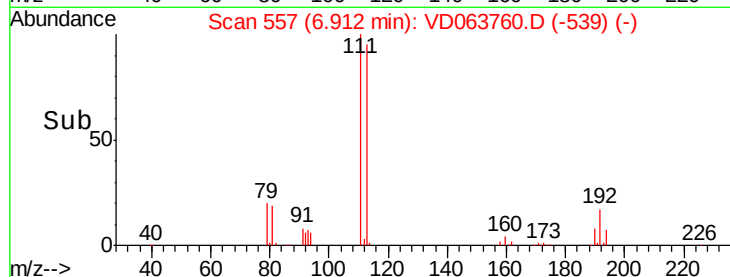
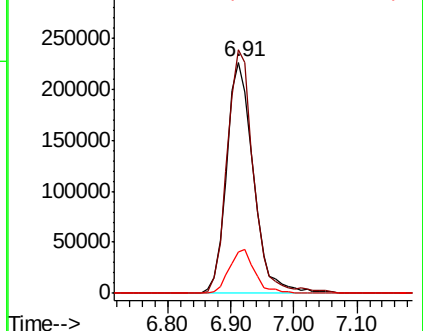
192 17.7 13.1 19.7



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: 6.036 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.13 min

Lab File: VD063760.D

Acq: 23 Aug 2019 12:27

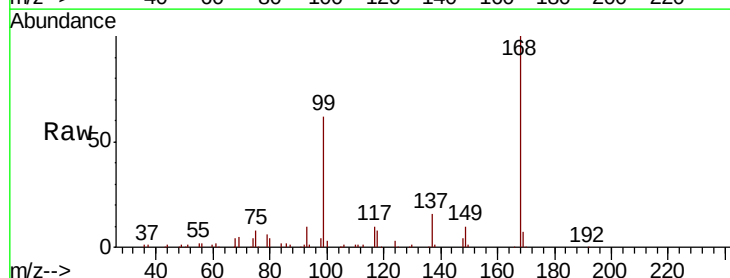
Tgt Ion: 75 Resp: 72736

Ion Ratio Lower Upper

75 100

110 10.8 17.6 52.8#

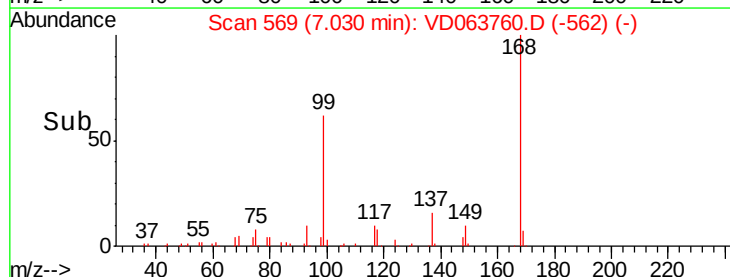
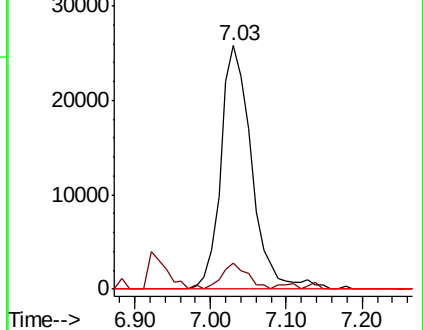
77 0.0 24.3 36.5#

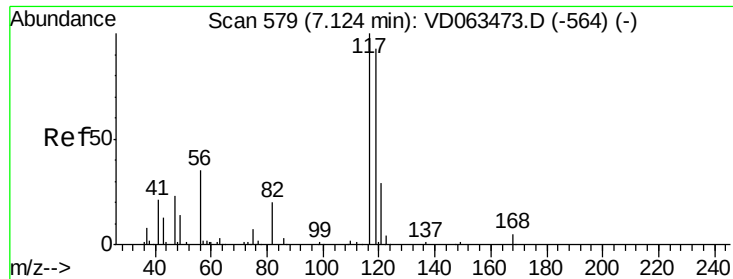


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

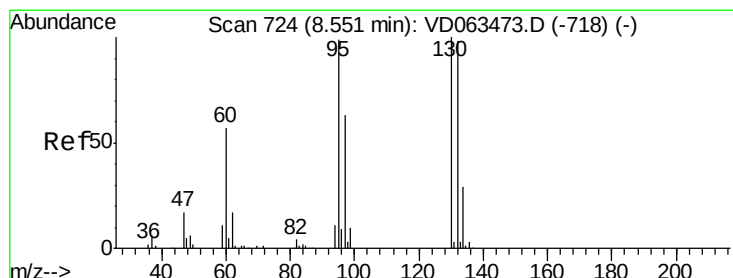
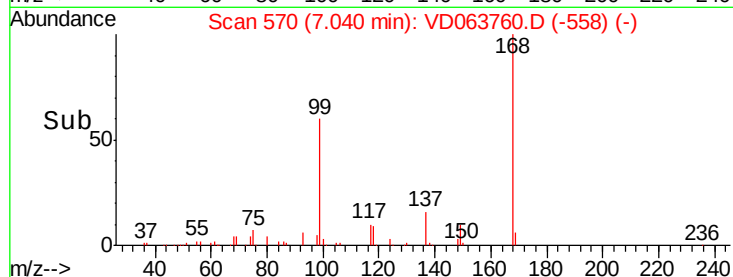
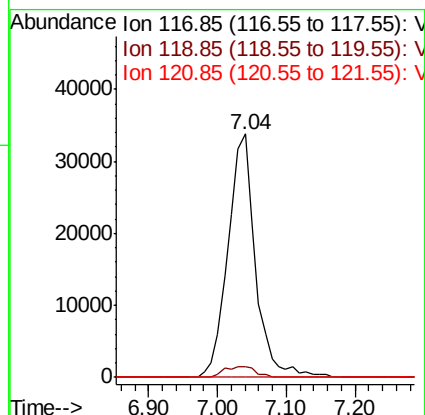
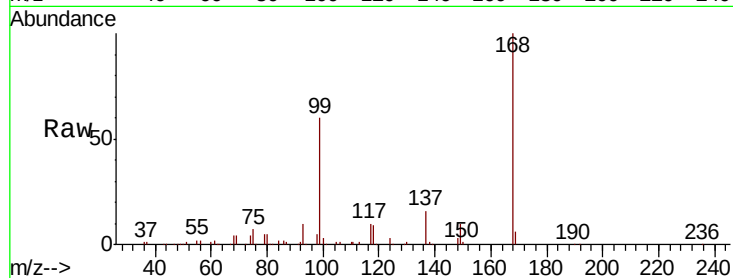




#38
Carbon Tetrachloride
Concen: 5.144 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD063760.D
Acq: 23 Aug 2019 12:27

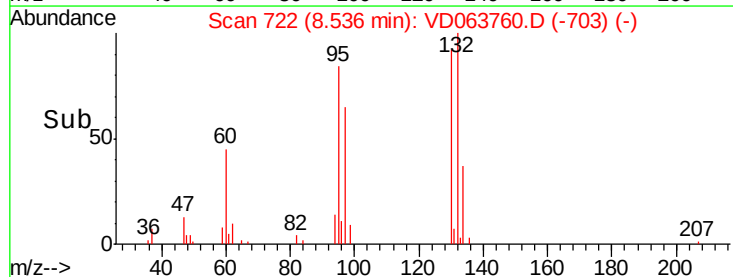
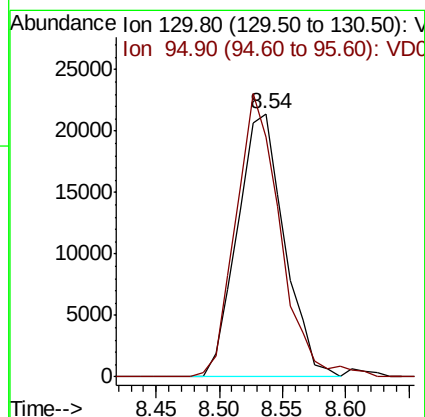
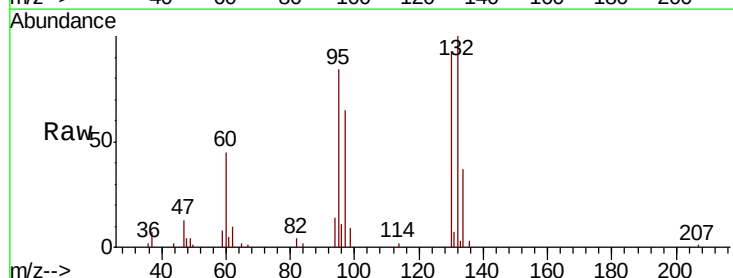
Instrument :
MSVOA_D
ClientSampleId :
TS-1-VW

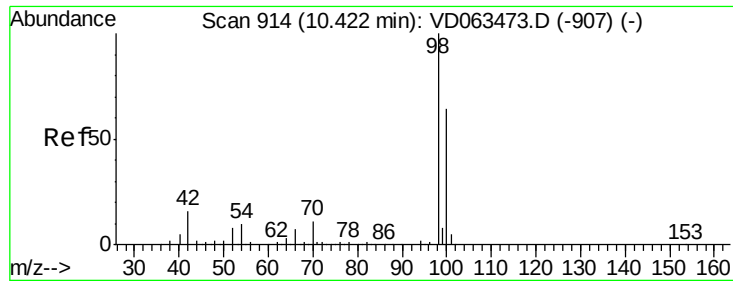
Tgt Ion:117 Resp: 93416
Ion Ratio Lower Upper
117 100
119 4.2 74.2 111.2#
121 0.0 23.1 34.7#



#44
Trichloroethene
Concen: 5.456 ug/l
RT: 8.54 min Scan# 722
Delta R.T. -0.01 min
Lab File: VD063760.D
Acq: 23 Aug 2019 12:27

Tgt Ion:130 Resp: 55302
Ion Ratio Lower Upper
130 100
95 91.2 0.0 198.0

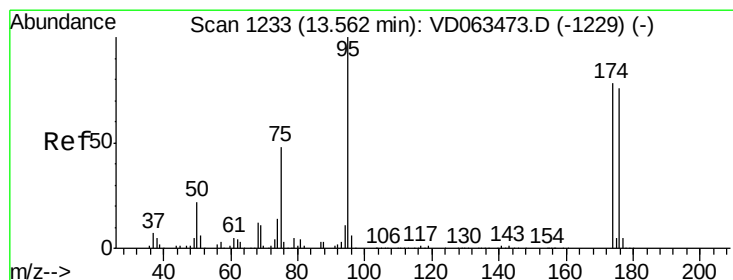
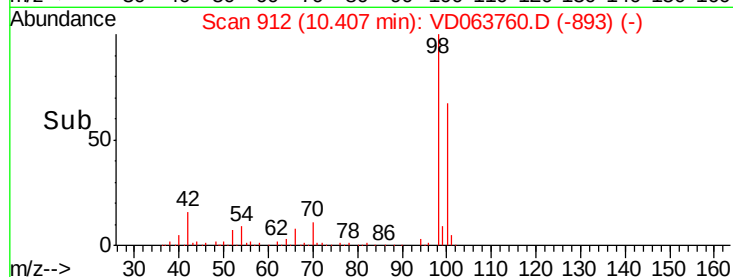
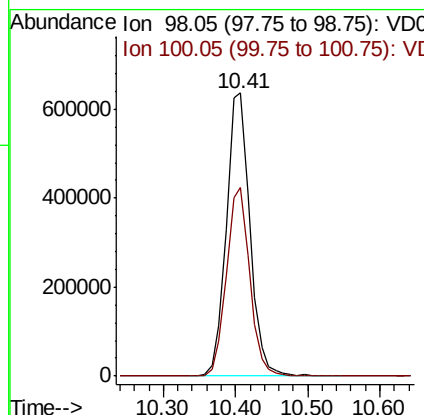
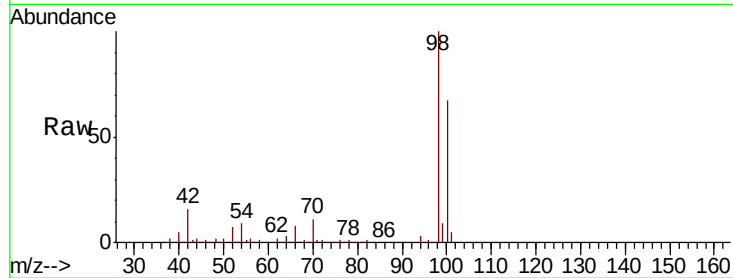




#50
Toluene-d8
Concen: 57.127 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063760.D
Acq: 23 Aug 2019 12:27

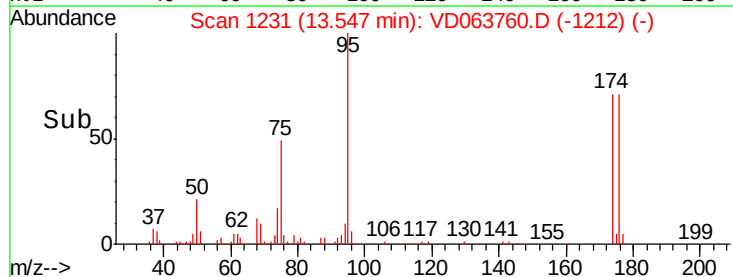
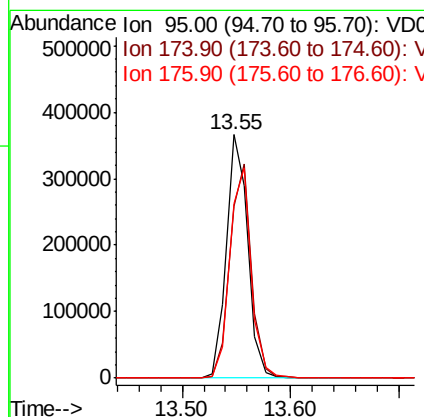
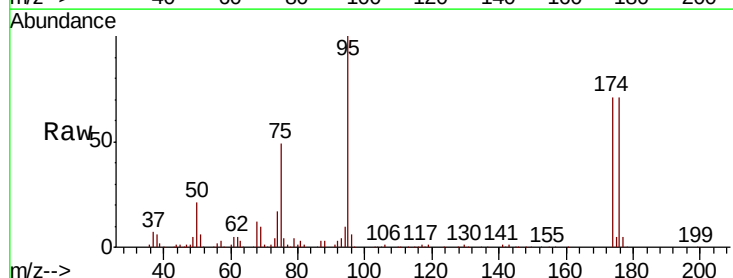
Instrument :
MSVOA_D
ClientSampled :
TS-1-VW

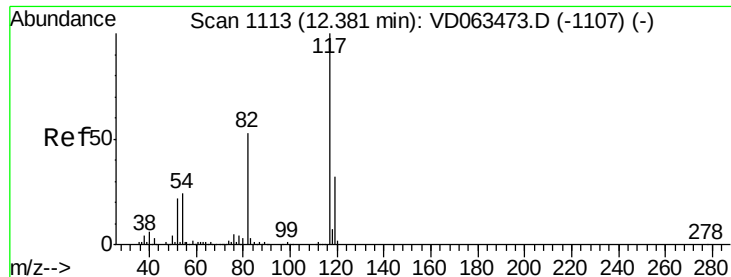
Tgt Ion: 98 Resp: 1441855
Ion Ratio Lower Upper
98 100
100 66.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 43.835 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063760.D
Acq: 23 Aug 2019 12:27

Tgt Ion: 95 Resp: 501461
Ion Ratio Lower Upper
95 100
174 70.7 0.0 155.4
176 71.5 0.0 152.4

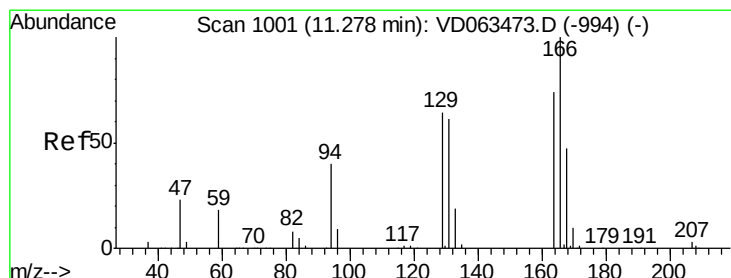
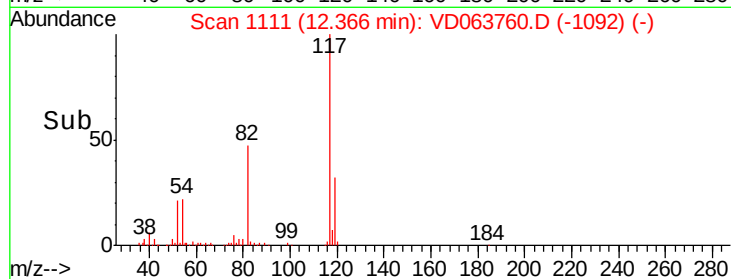
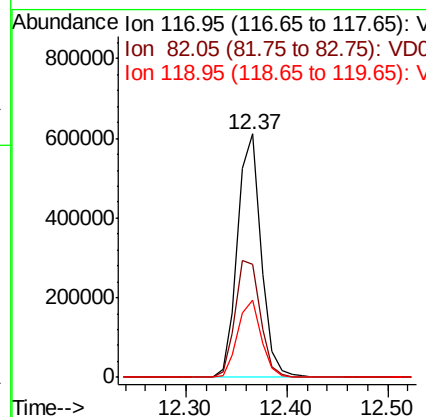
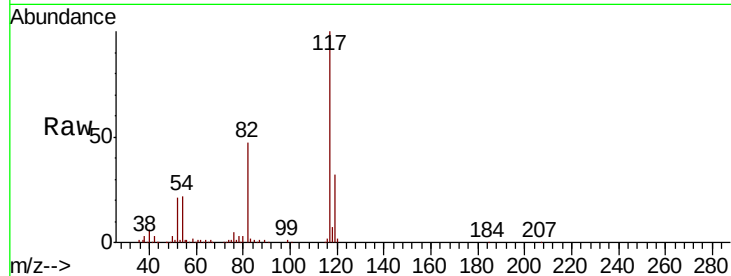




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063760.D
Acq: 23 Aug 2019 12:27

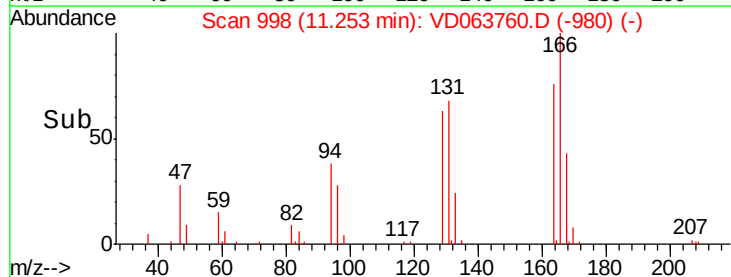
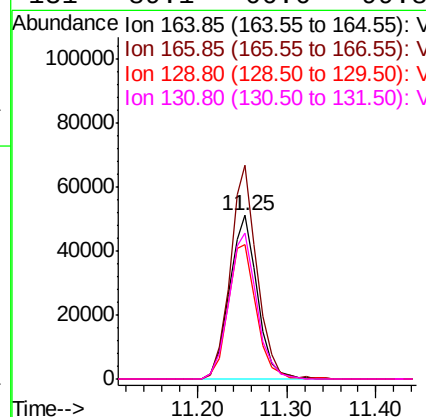
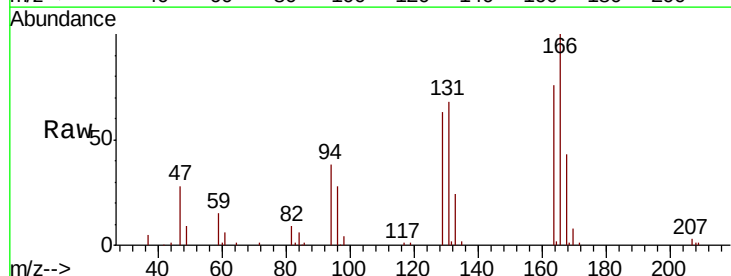
Instrument :
MSVOA_D
ClientSampleId :
TS-1-VW

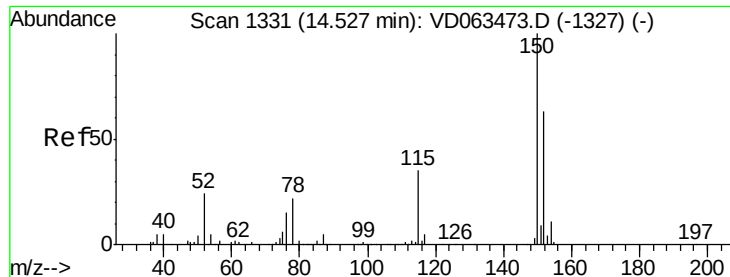
Tgt Ion	Ratio	Lower	Upper
117	100		
82	46.7	42.0	63.0
119	32.0	25.4	38.0



#64
Tetrachloroethene
Concen: 14.766 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD063760.D
Acq: 23 Aug 2019 12:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	108.6	163.0
129	81.9	69.0	103.6
131	89.1	66.6	99.8



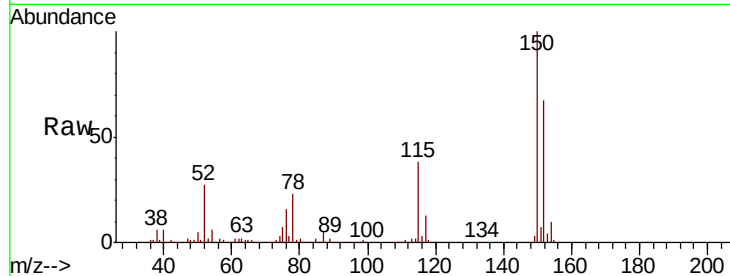


#72

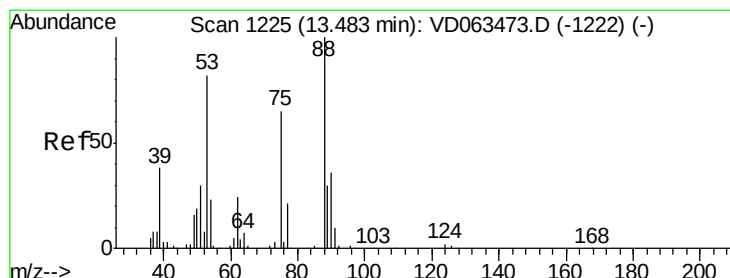
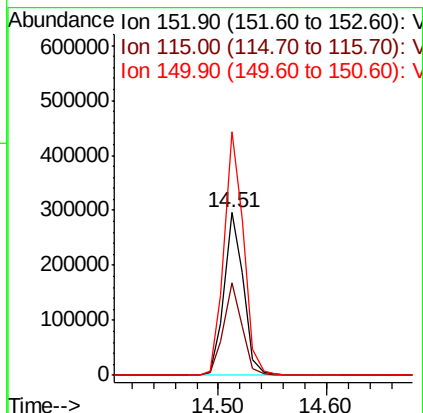
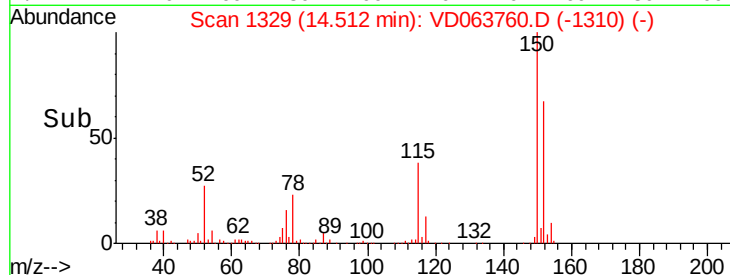
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063760.D
Acq: 23 Aug 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
TS-1-VW

Tgt Ion: 152 Resp: 366333
Ion Ratio Lower Upper
152 100
115 56.9 30.9 92.7
150 149.6 0.0 318.6



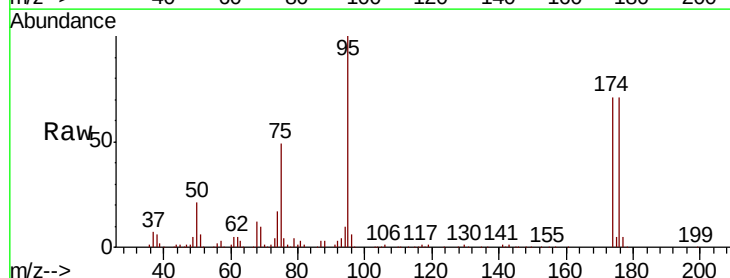
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 204.116 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD063760.D
Acq: 23 Aug 2019 12:27

Tgt Ion: 75 Resp: 230651
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

