

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081519\
 Data File : VD063623.D
 Acq On : 15 Aug 2019 23:18
 Operator : JC/SY
 Sample : K4339-07
 Misc : 6.39g/5ml/MSVOA_D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T8-A2-(4)

Quant Time: Aug 16 01:08:33 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	7.03	168	337274	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.21	114	528176	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	384720	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	131360	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	234870	65.15	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	130.30%	
35) Dibromofluoromethane	6.91	113	217710	48.94	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	97.88%	
50) Toluene-d8	10.39	98	317974	32.51	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	65.02%	
62) 4-Bromofluorobenzene	13.55	95	138445	31.23	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	62.46%	

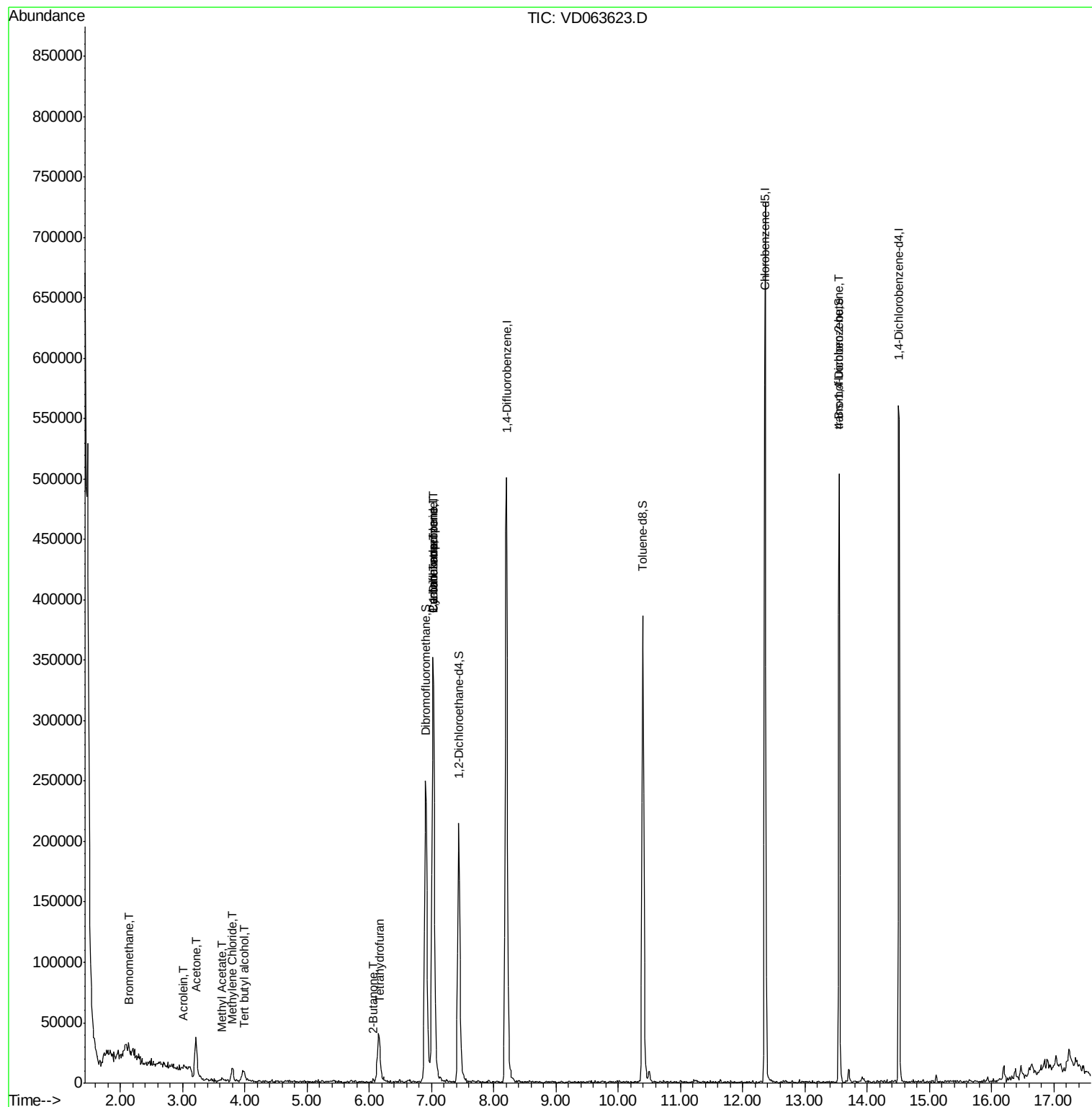
Target Compounds						Qvalue
5) Bromomethane	2.15	94	5297	3.547	ug/l #	11
11) Tert butyl alcohol	4.00	59	11274	71.836	ug/l #	92
13) Acrolein	3.02	56	213	1.379	ug/l #	8
16) Acetone	3.22	43	66620	90.903	ug/l	99
18) Methyl Acetate	3.63	43	4560	3.285	ug/l #	57
20) Methylene Chloride	3.80	84	6840	2.158	ug/l #	76
25) 2-Butanone	6.06	43	1908	2.636	ug/l #	1
29) Tetrahydrofuran	6.18	42	458	1.358	ug/l #	35
31) Cyclohexane	7.03	56	8708	2.675	ug/l #	14
36) 1,1-Dichloropropene	7.03	75	24775	5.306	ug/l #	52
38) Carbon Tetrachloride	7.03	117	37327	5.304	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	65650	162.020	ug/l #	1

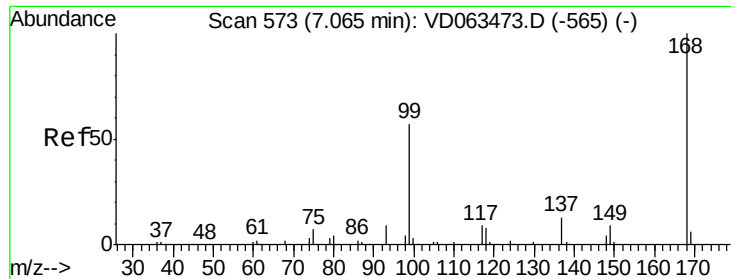
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD063623.D

Acq: 15 Aug 2019 23:18

Instrument :

MSVOA_D

ClientSampleId :

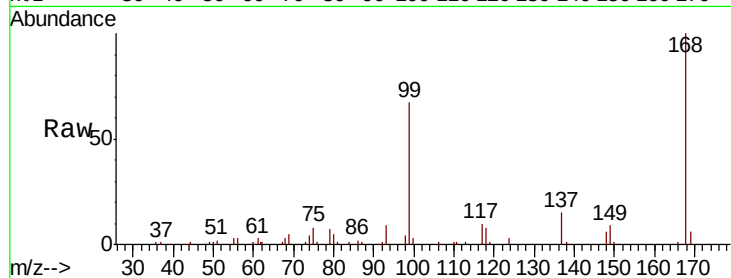
T8-A2-(4)

Tgt Ion:168 Resp: 337274

Ion Ratio Lower Upper

168 100

99 66.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

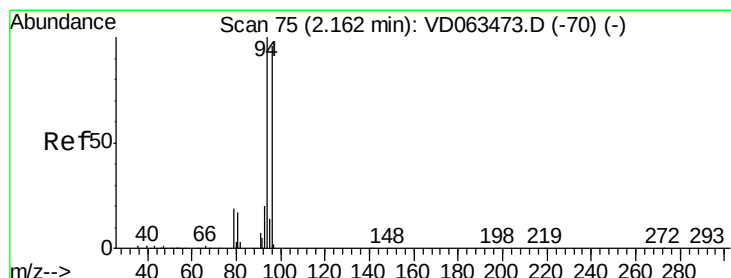
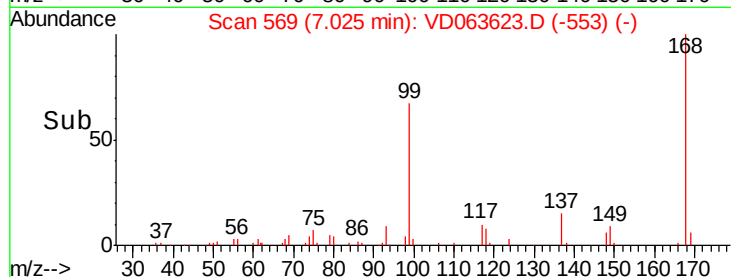
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#5

Bromomethane

Concen: 3.547 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD063623.D

Acq: 15 Aug 2019 23:18

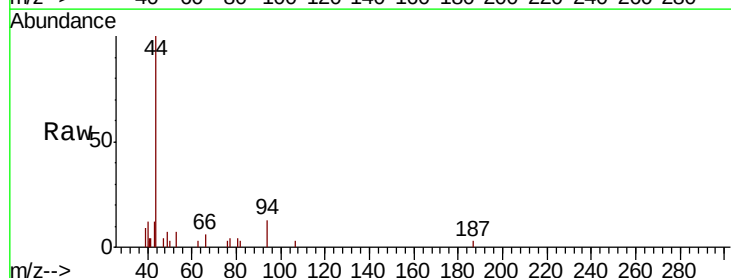
Tgt Ion: 94 Resp: 5297

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

2000

1500

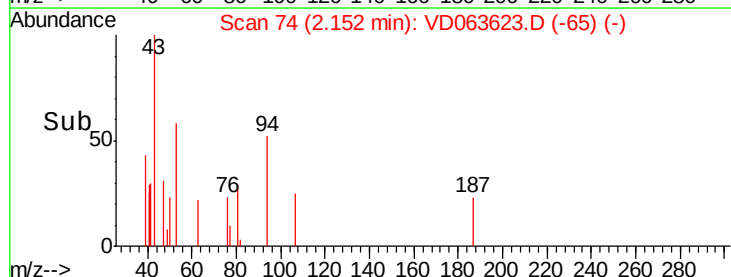
1000

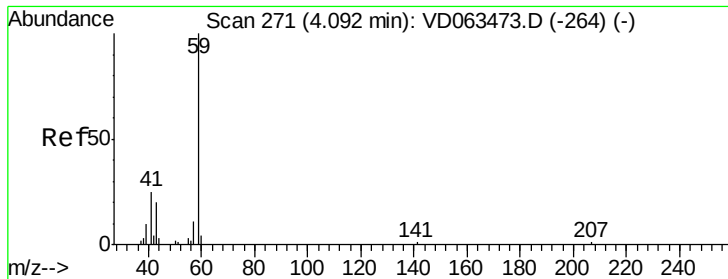
500

0

2.10 2.15 2.20

Time-->

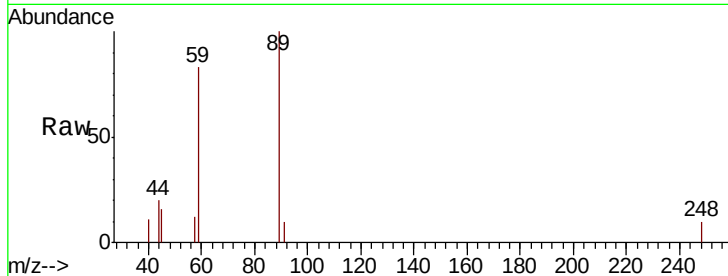




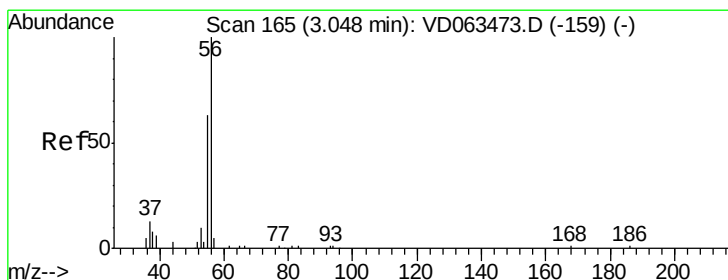
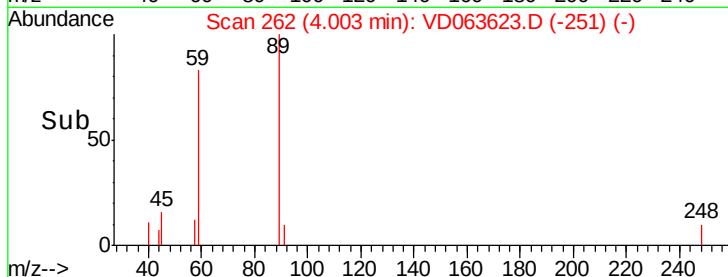
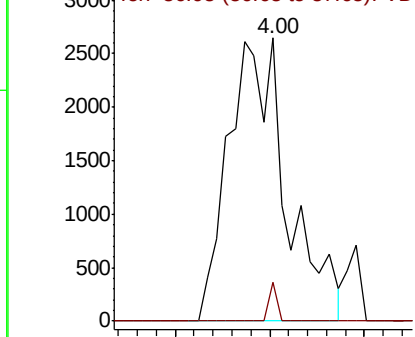
#11
Tert butyl alcohol
Concen: 71.836 ug/l
RT: 4.00 min Scan# 262
Delta R.T. -0.09 min
Lab File: VD063623.D
Acq: 15 Aug 2019 23:18

Instrument :
MSVOA_D
ClientSampleId :
T8-A2-(4)

Tgt Ion: 59 Resp: 11274
Ion Ratio Lower Upper
59 100
57 13.9 8.7 13.1#

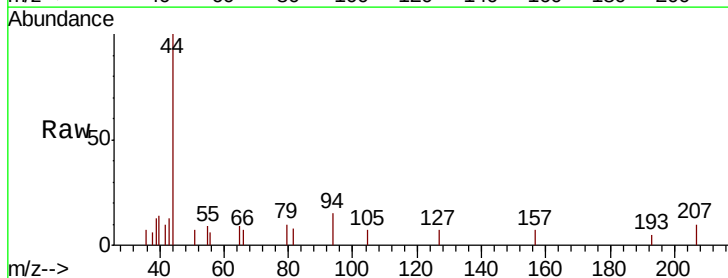


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

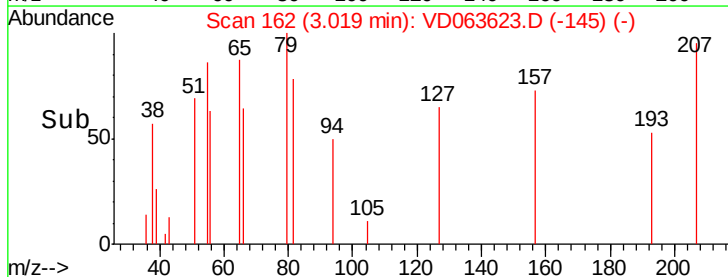
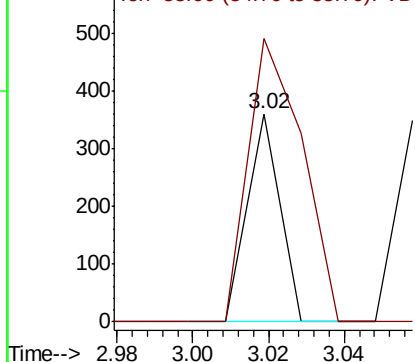


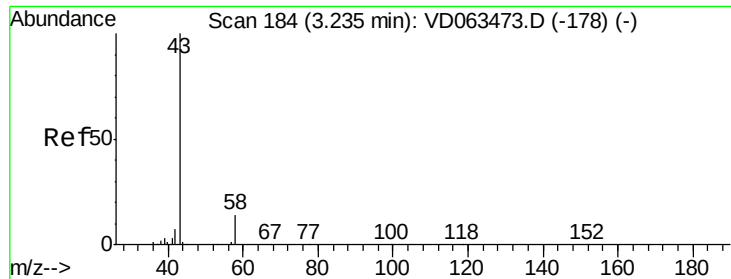
#13
Acrolein
Concen: 1.379 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.03 min
Lab File: VD063623.D
Acq: 15 Aug 2019 23:18

Tgt Ion: 56 Resp: 213
Ion Ratio Lower Upper
56 100
55 136.1 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 90.903 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063623.D

Acq: 15 Aug 2019 23:18

Instrument :

MSVOA_D

ClientSampleId :

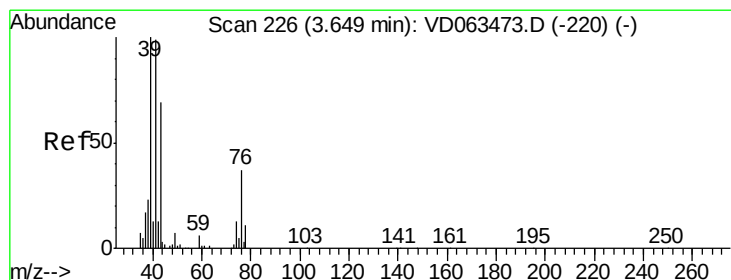
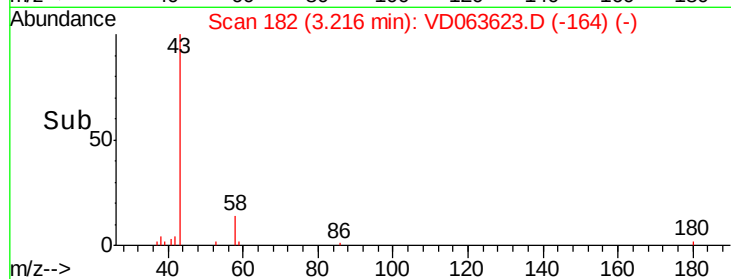
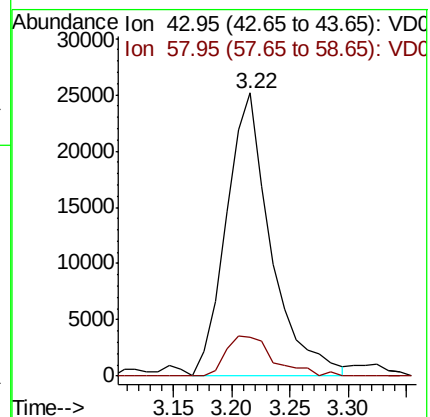
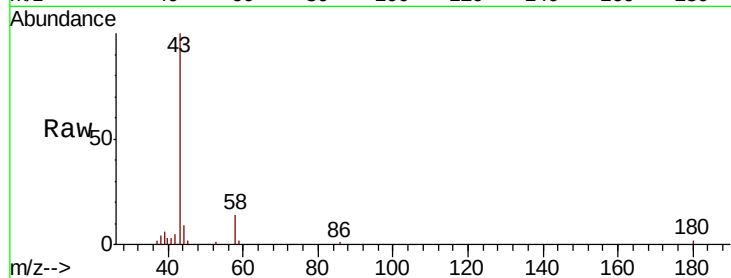
T8-A2-(4)

Tgt Ion: 43 Resp: 66620

Ion Ratio Lower Upper

43 100

58 13.8 11.4 17.2



#18

Methyl Acetate

Concen: 3.285 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.02 min

Lab File: VD063623.D

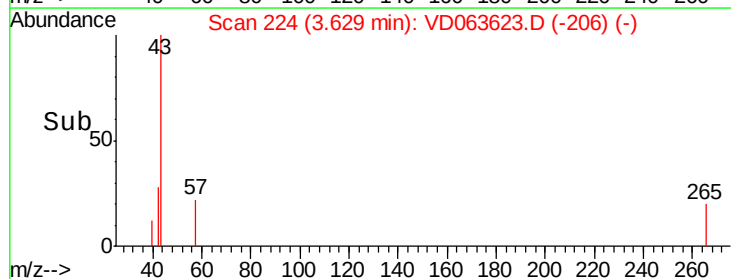
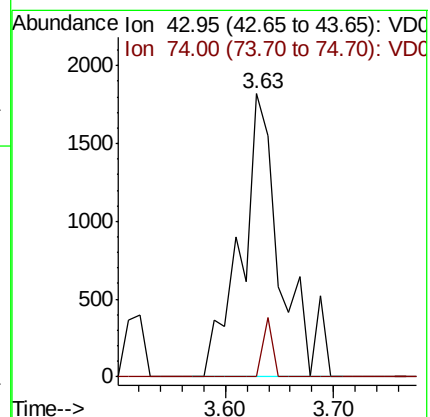
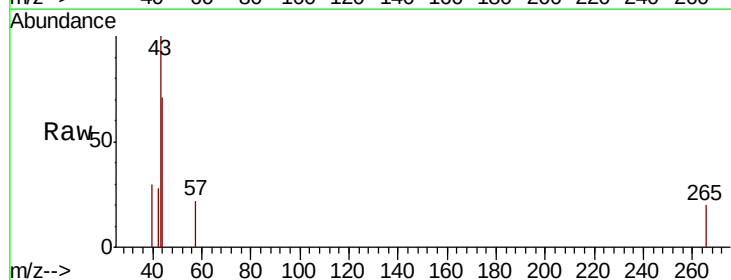
Acq: 15 Aug 2019 23:18

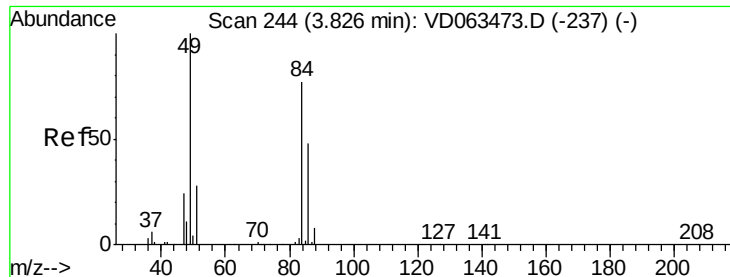
Tgt Ion: 43 Resp: 4560

Ion Ratio Lower Upper

43 100

74 0.0 15.4 23.2#

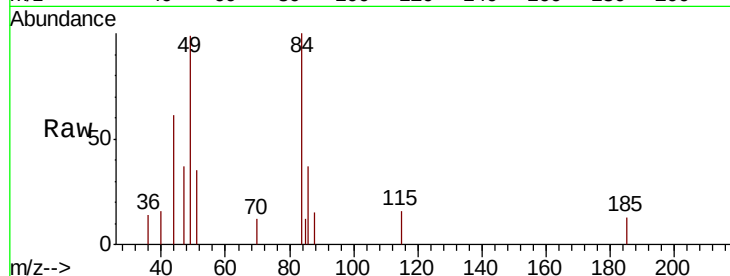




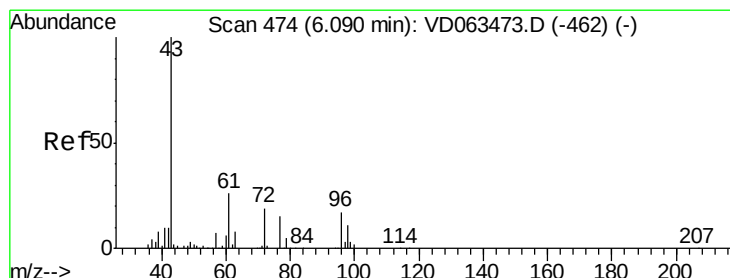
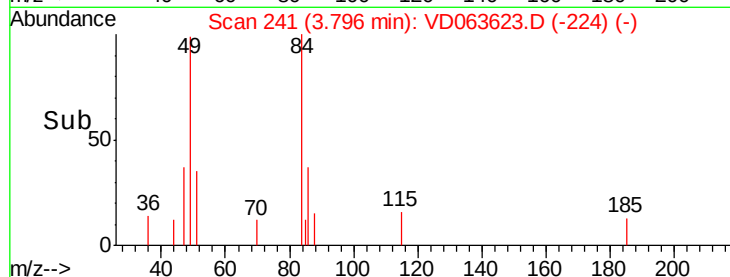
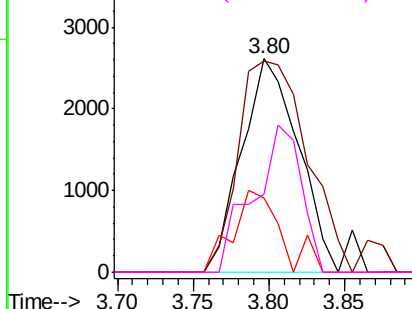
#20
Methylene Chloride
Concen: 2.158 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063623.D
Acq: 15 Aug 2019 23:18

Instrument :
MSVOA_D
ClientSampleId :
T8-A2-(4)

Tgt Ion: 84 Resp: 6840
Ion Ratio Lower Upper
84 100
49 98.7 103.4 155.2#
51 34.6 28.5 42.7
86 36.7 49.4 74.2#

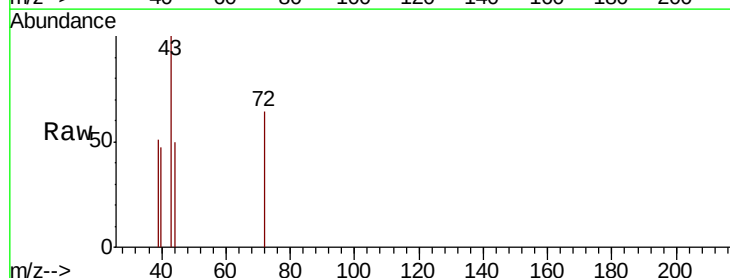


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

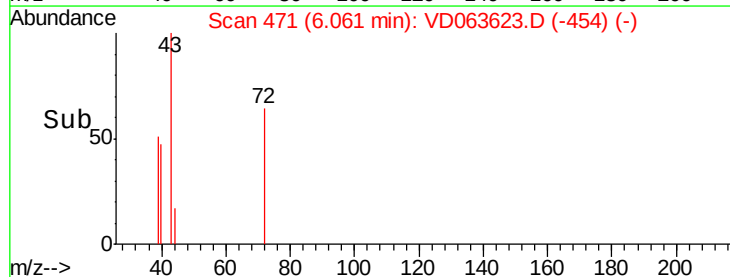
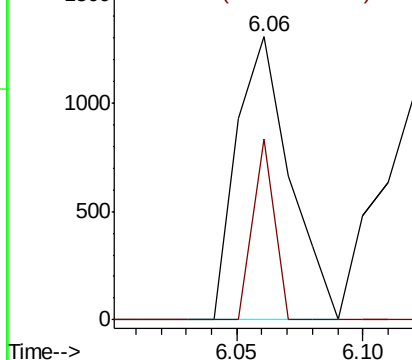


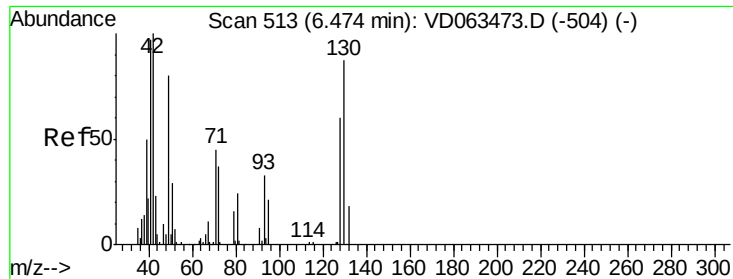
#25
2-Butanone
Concen: 2.636 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.03 min
Lab File: VD063623.D
Acq: 15 Aug 2019 23:18

Tgt Ion: 43 Resp: 1908
Ion Ratio Lower Upper
43 100
72 64.2 15.1 22.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

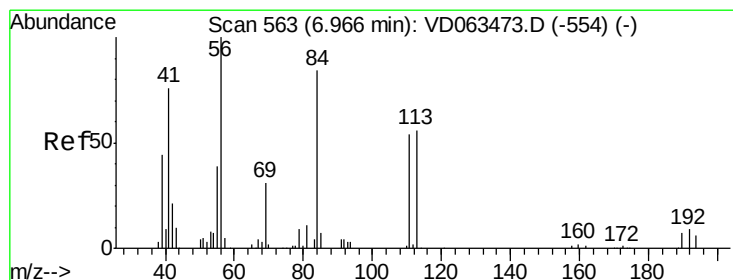
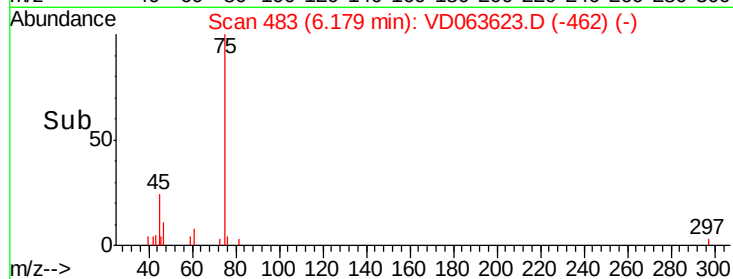
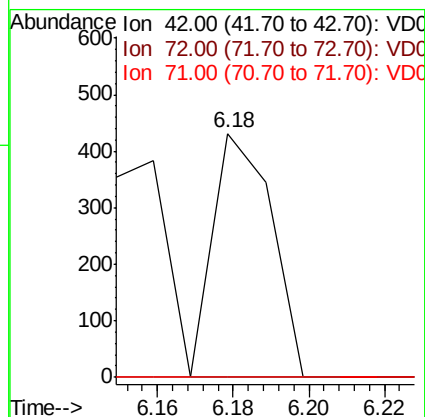
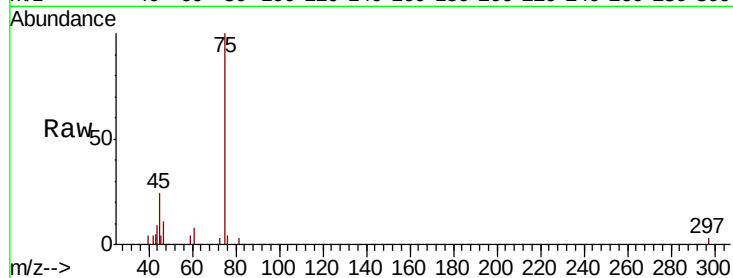




#29
Tetrahydrofuran
Concen: 1.358 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.30 min
Lab File: VD063623.D
Acq: 15 Aug 2019 23:18

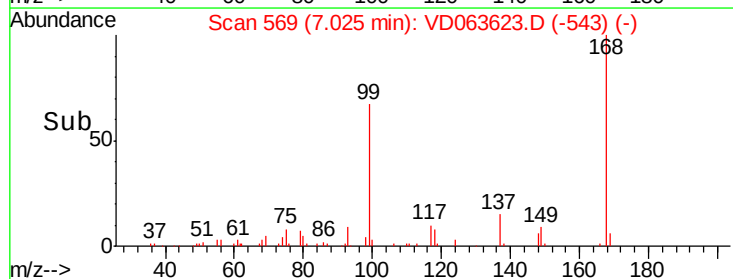
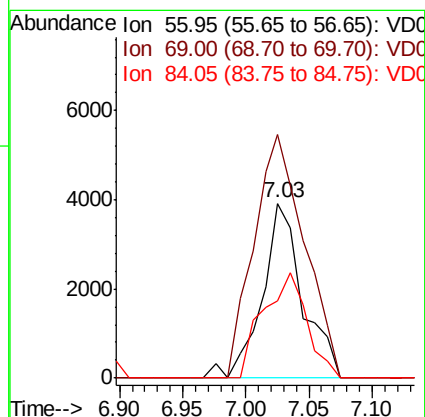
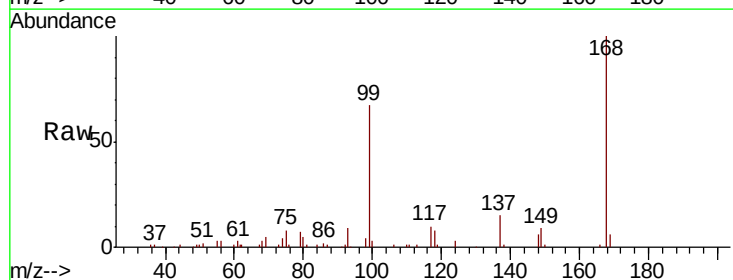
Instrument :
MSVOA_D
ClientSampleId :
T8-A2-(4)

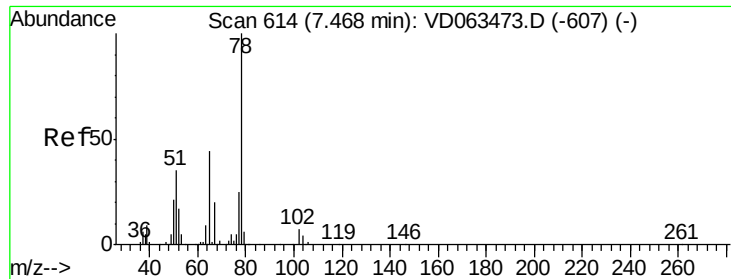
Tgt Ion: 42 Resp: 458
Ion Ratio Lower Upper
42 100
72 0.0 31.5 47.3#
71 0.0 33.8 50.8#



#31
Cyclohexane
Concen: 2.675 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.06 min
Lab File: VD063623.D
Acq: 15 Aug 2019 23:18

Tgt Ion: 56 Resp: 8708
Ion Ratio Lower Upper
56 100
69 139.5 25.0 37.6#
84 44.1 69.7 104.5#

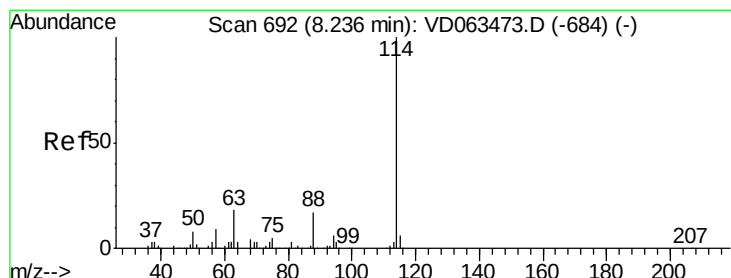
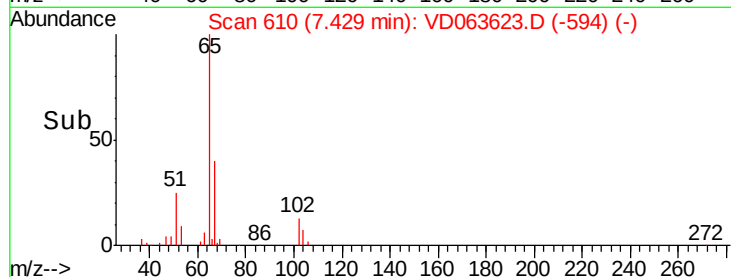
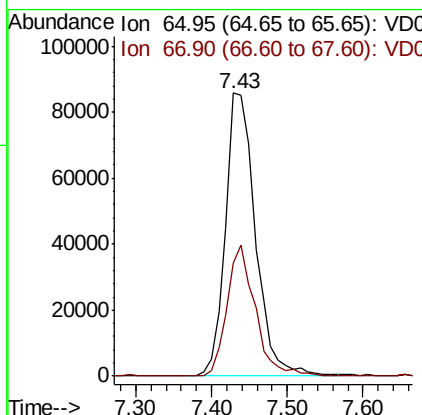
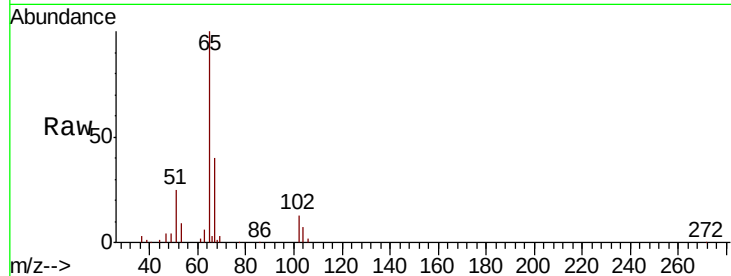




#33
 1,2-Dichloroethane-d4
 Concen: 65.148 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.04 min
 Lab File: VD063623.D
 Acq: 15 Aug 2019 23:18

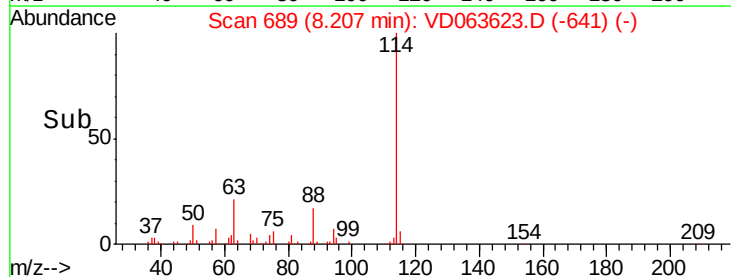
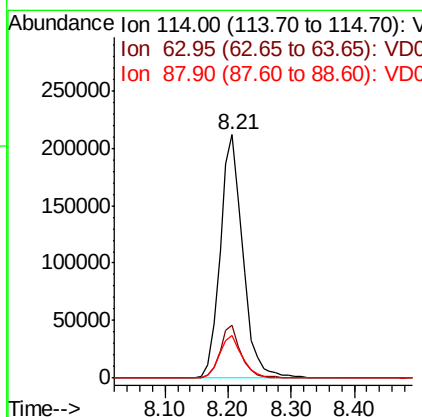
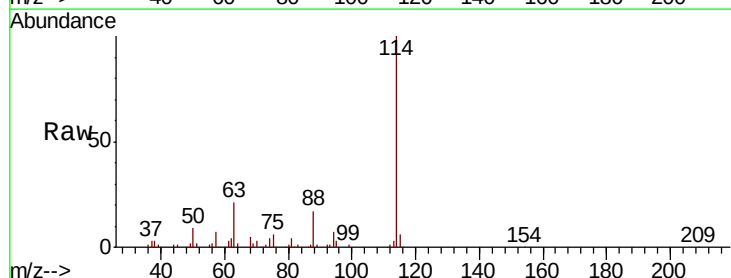
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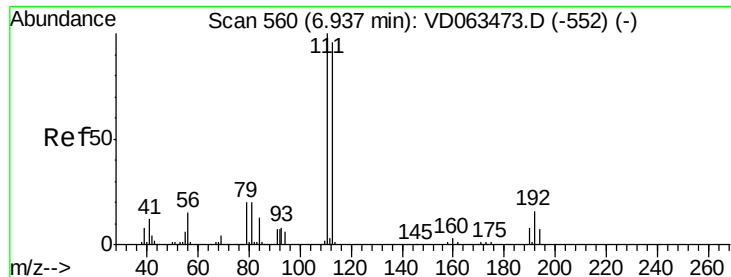
Tgt Ion: 65 Resp: 234870
 Ion Ratio Lower Upper
 65 100
 67 39.9 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063623.D
 Acq: 15 Aug 2019 23:18

Tgt Ion: 114 Resp: 528176
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 36.2
 88 17.5 0.0 35.0

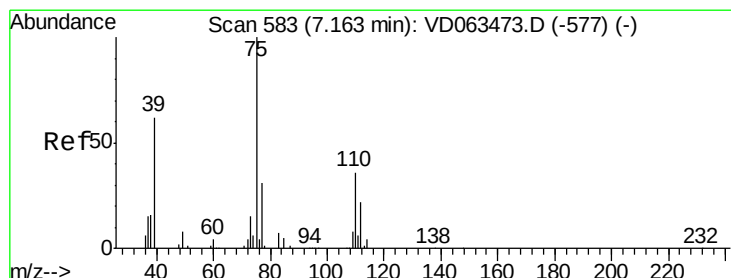
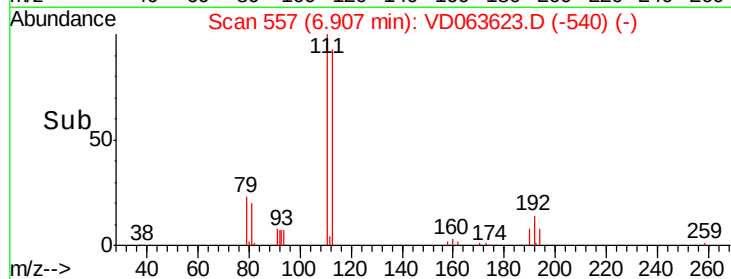
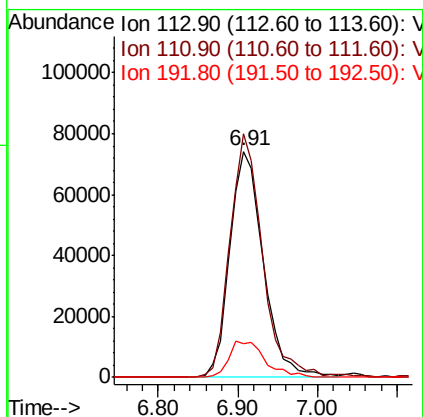
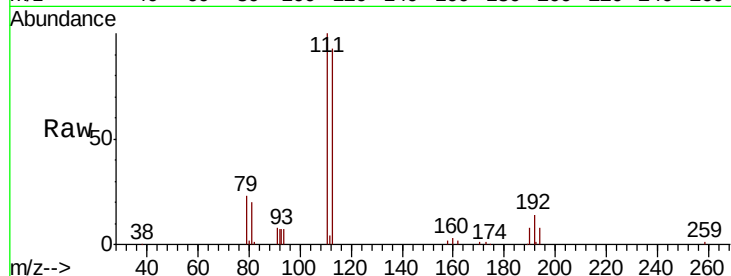




#35
 Dibromofluoromethane
 Concen: 48.942 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: VD063623.D
 Acq: 15 Aug 2019 23:18

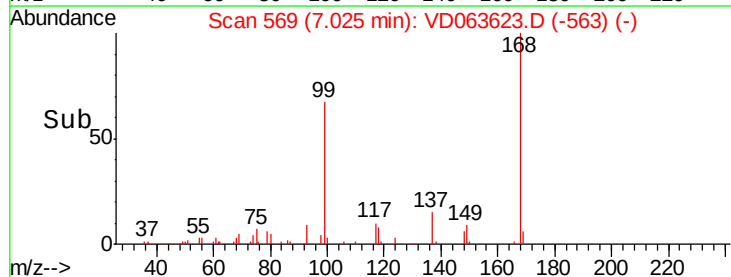
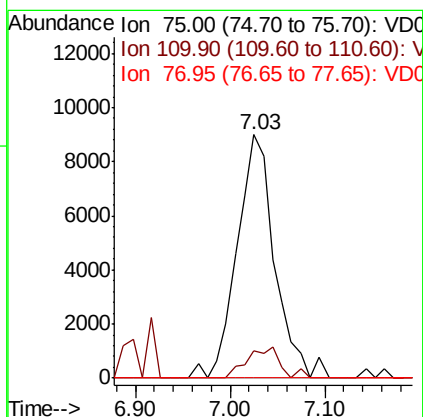
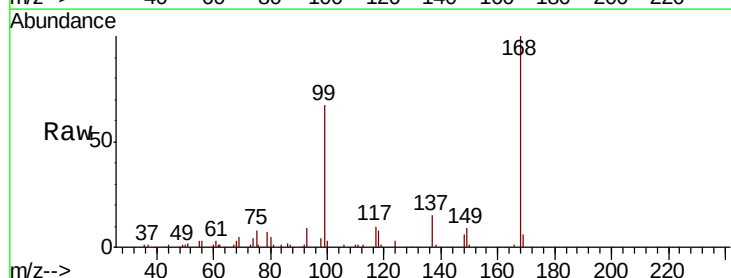
Instrument :
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 T8-A2-(4)

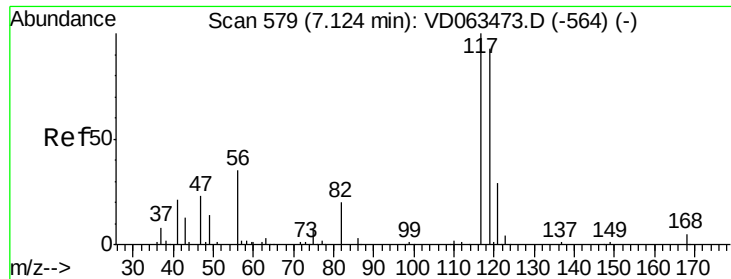
Tgt Ion:113 Resp: 217710
 Ion Ratio Lower Upper
 113 100
 111 107.7 83.1 124.7
 192 14.8 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 5.306 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.14 min
 Lab File: VD063623.D
 Acq: 15 Aug 2019 23:18

Tgt Ion: 75 Resp: 24775
 Ion Ratio Lower Upper
 75 100
 110 11.4 17.6 52.8#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.304 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063623.D

Acq: 15 Aug 2019 23:18

Instrument :

MSVOA_D

ClientSampleId :

T8-A2-(4)

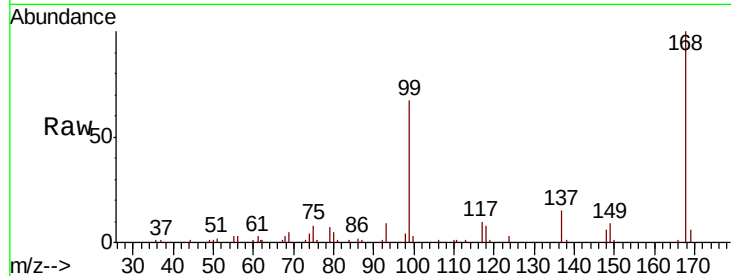
Tgt Ion:117 Resp: 37327

Ion Ratio Lower Upper

117 100

119 5.0 74.2 111.2#

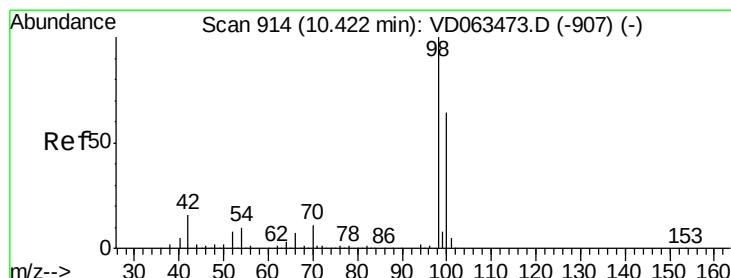
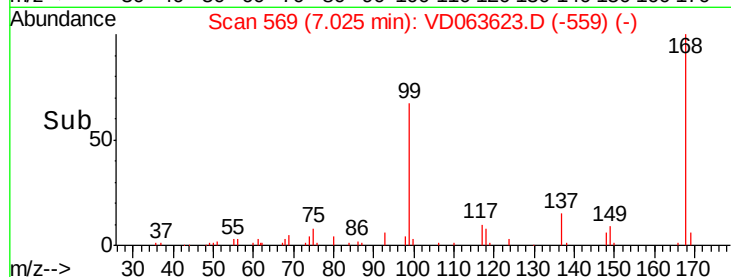
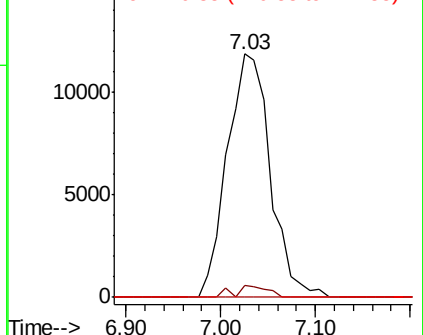
121 0.0 23.1 34.7#



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



#50

Toluene-d8

Concen: 32.513 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.03 min

Lab File: VD063623.D

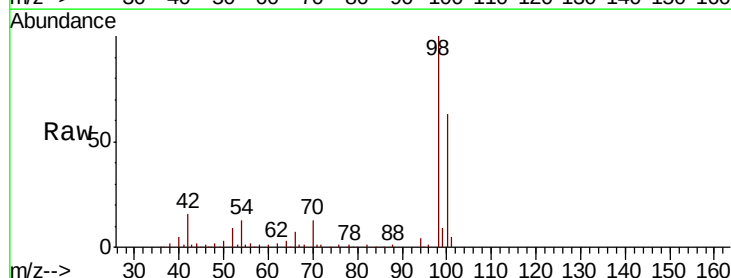
Acq: 15 Aug 2019 23:18

Tgt Ion: 98 Resp: 317974

Ion Ratio Lower Upper

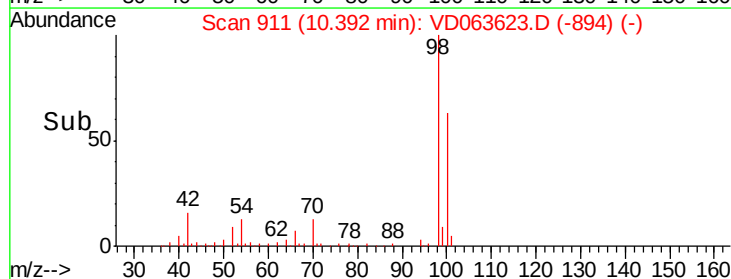
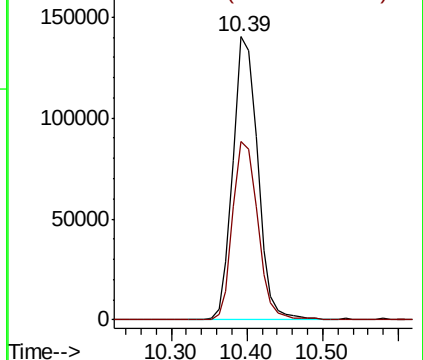
98 100

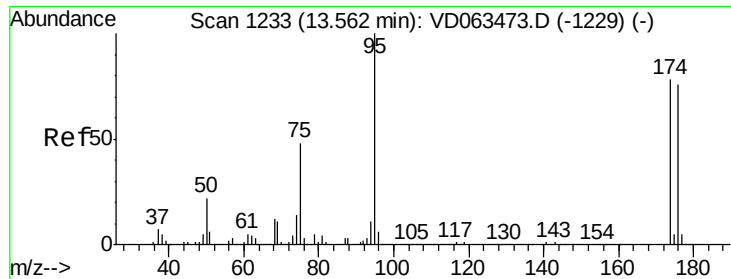
100 62.9 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 31.233 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063623.D

Acq: 15 Aug 2019 23:18

Instrument :

MSVOA_D

ClientSampleId :

T8-A2-(4)

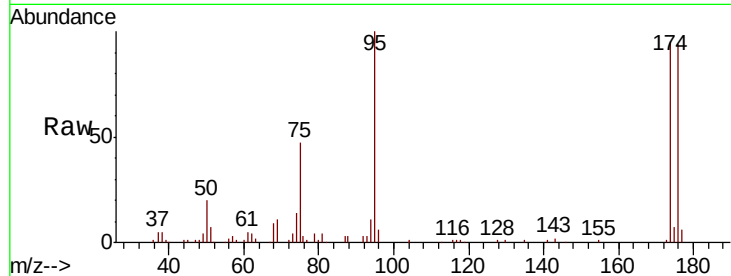
Tgt Ion: 95 Resp: 138445

Ion Ratio Lower Upper

95 100

174 95.0 0.0 155.4

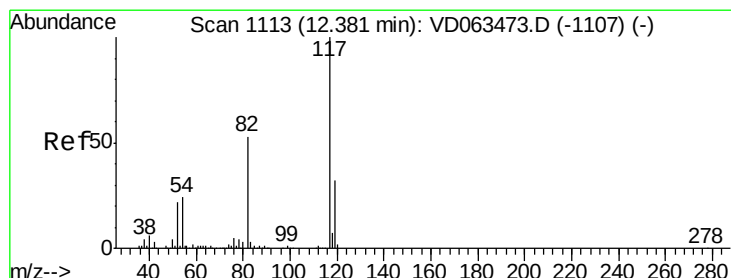
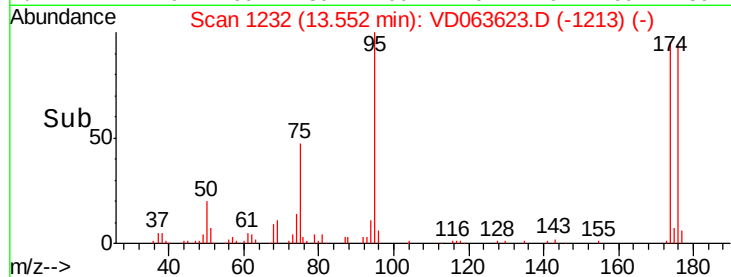
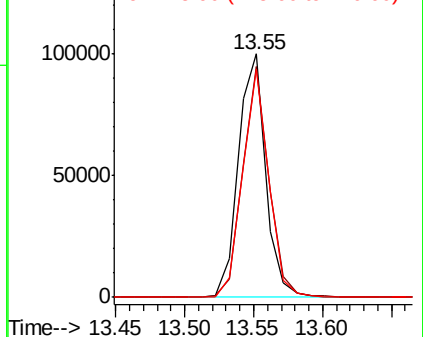
176 93.8 0.0 152.4



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. -0.02 min

Lab File: VD063623.D

Acq: 15 Aug 2019 23:18

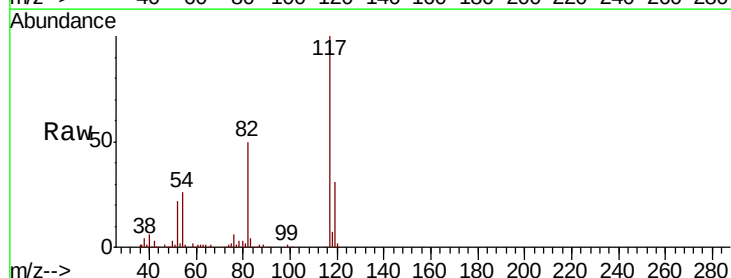
Tgt Ion: 117 Resp: 384720

Ion Ratio Lower Upper

117 100

82 50.0 42.0 63.0

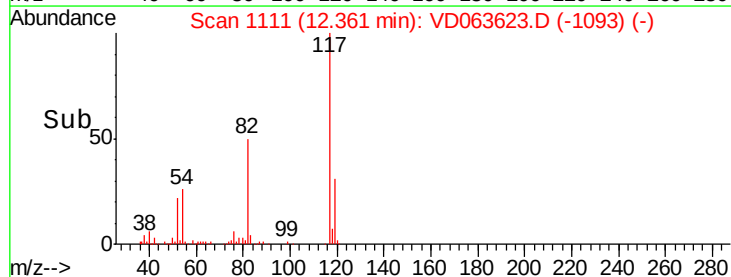
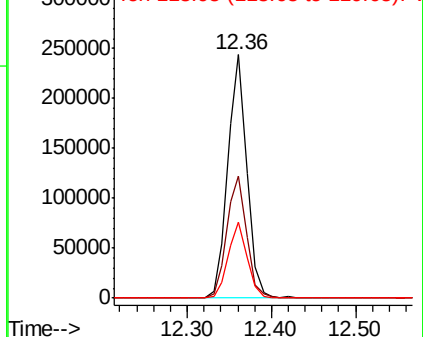
119 31.2 25.4 38.0

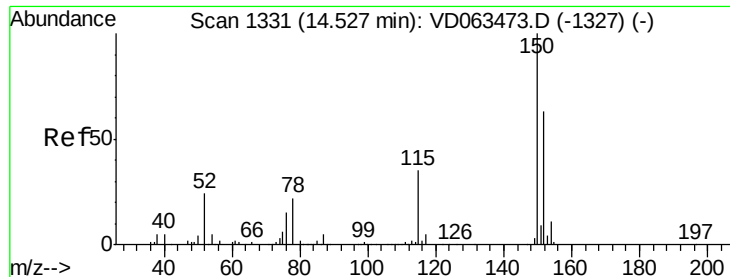


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063623.D

Acq: 15 Aug 2019 23:18

Instrument :

MSVOA_D

ClientSampleId :

T8-A2-(4)

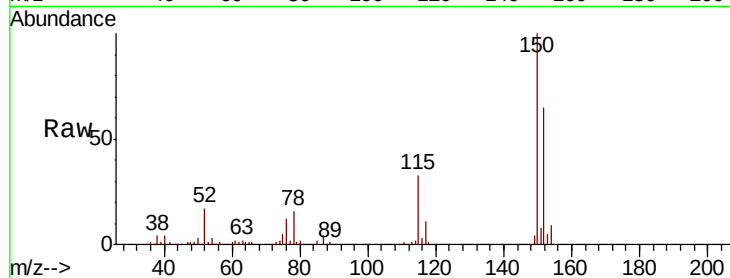
Tgt Ion:152 Resp: 131360

Ion Ratio Lower Upper

152 100

115 51.3 30.9 92.7

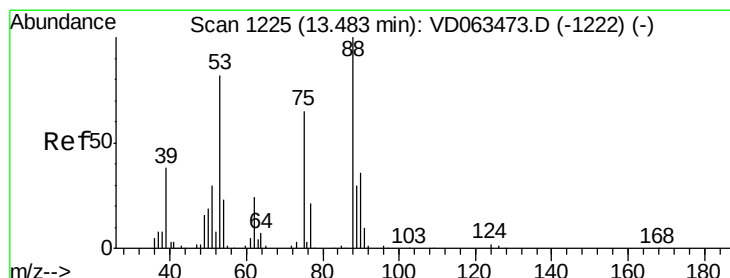
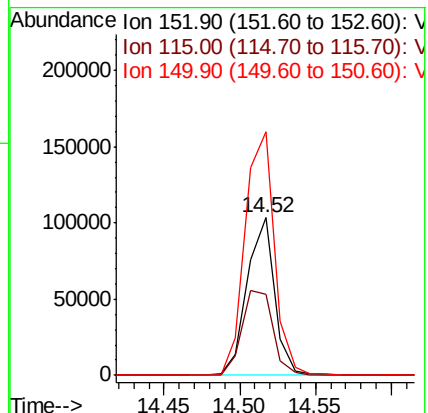
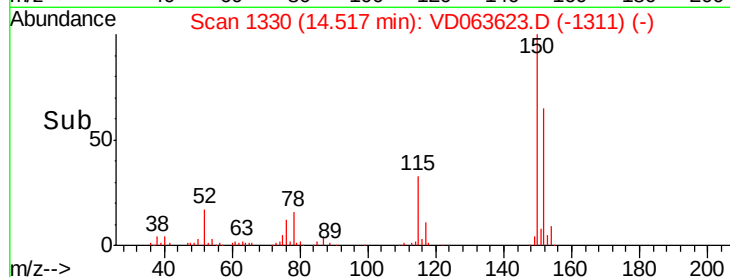
150 154.7 0.0 318.6



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: 162.020 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063623.D

Acq: 15 Aug 2019 23:18

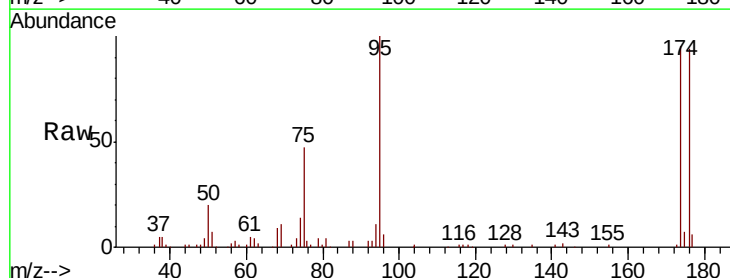
Tgt Ion: 75 Resp: 65650

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

