

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
 Data File : VD063693.D
 Acq On : 20 Aug 2019 19:07
 Operator : JC/SY
 Sample : K4388-09
 Misc : 5.08g/5ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T4-C-(2)

Quant Time: Aug 21 03:52:27 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	789432	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1193583	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	833430	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	294918	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	514207	60.94	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	121.88%	
35) Dibromofluoromethane	6.91	113	531617	52.88	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	105.76%	
50) Toluene-d8	10.40	98	1028875	46.55	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.10%	
62) 4-Bromofluorobenzene	13.55	95	371861	37.12	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	74.24%	

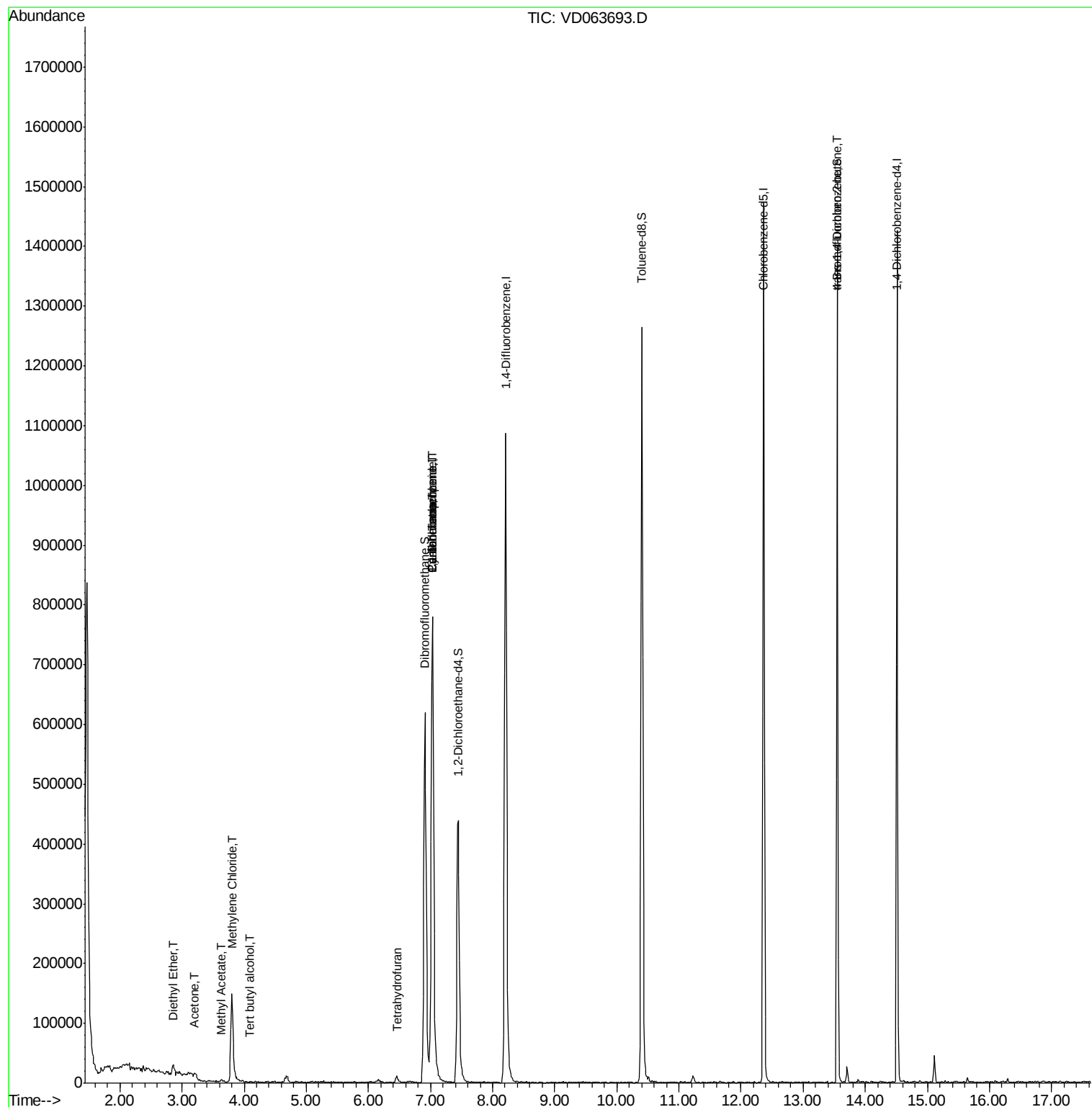
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.85	74	6043	2.946	ug/l	62
11) Tert butyl alcohol	4.08	59	1386	3.773	ug/l #	71
16) Acetone	3.20	43	31016	18.081	ug/l	97
18) Methyl Acetate	3.64	43	5587	1.720	ug/l #	89
20) Methylene Chloride	3.80	84	93694	12.632	ug/l	97
29) Tetrahydrofuran	6.45	42	6768	8.573	ug/l	93
31) Cyclohexane	7.02	56	17886	2.347	ug/l #	20
36) 1,1-Dichloropropene	7.04	75	60928	5.774	ug/l #	47
38) Carbon Tetrachloride	7.02	117	73001	4.591	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	170025	186.900	ug/l #	1

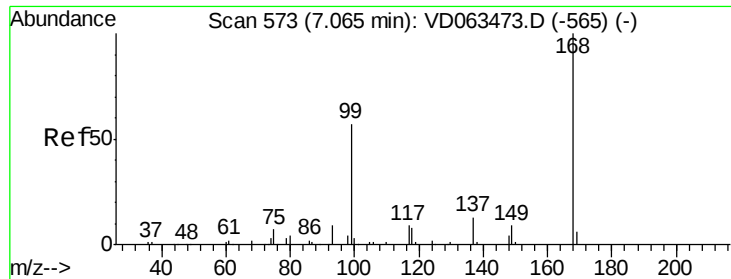
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063693.D

Acq: 20 Aug 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

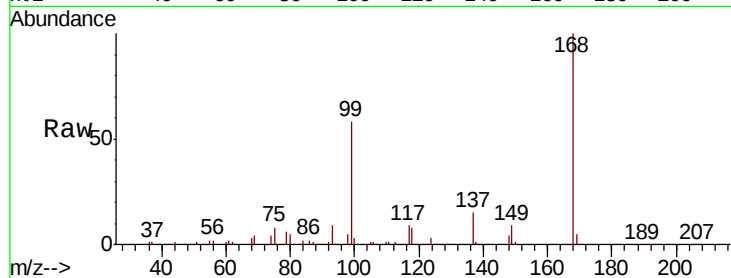
T4-C-(2)

Tgt Ion:168 Resp: 789432

Ion Ratio Lower Upper

168 100

99 58.3 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

250000

200000

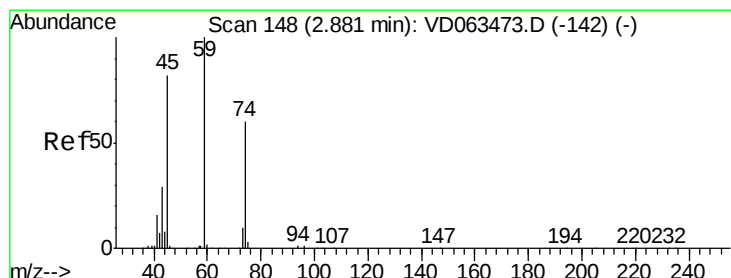
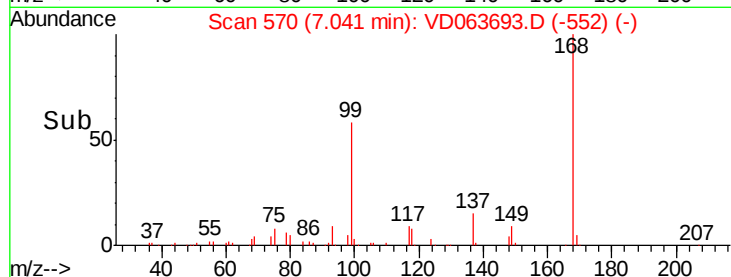
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.946 ug/l

RT: 2.85 min Scan# 144

Delta R.T. -0.03 min

Lab File: VD063693.D

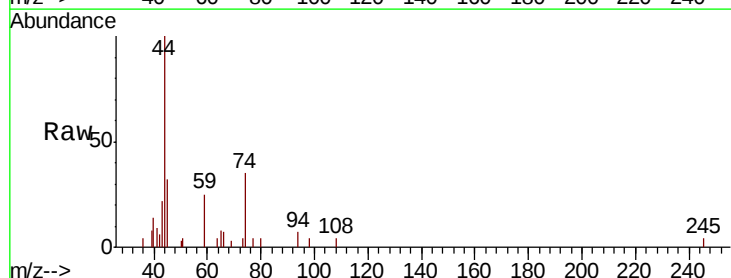
Acq: 20 Aug 2019 19:07

Tgt Ion: 74 Resp: 6043

Ion Ratio Lower Upper

74 100

45 91.3 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

6000

5000

4000

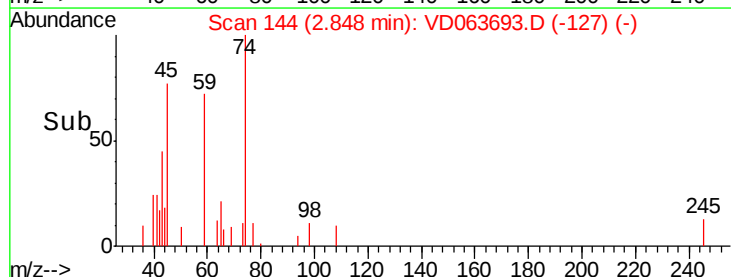
3000

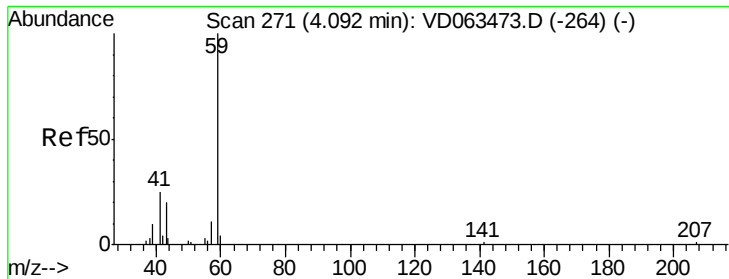
2000

1000

0

Time-->

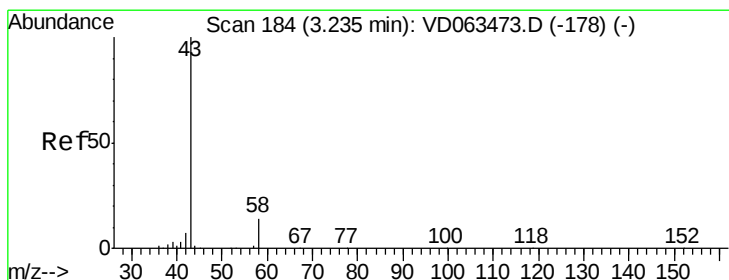
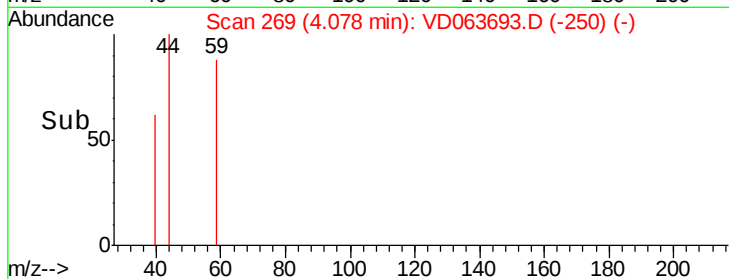
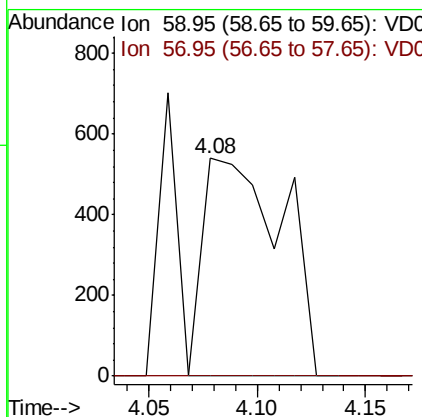
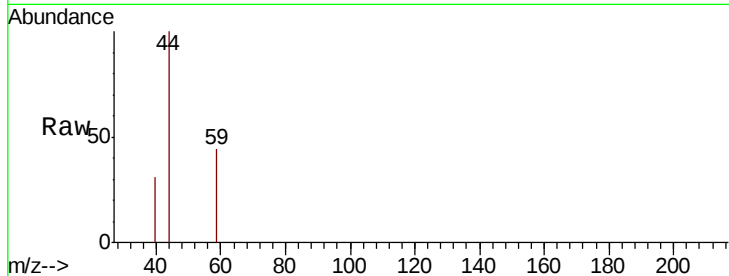




#11
Tert butyl alcohol
Concen: 3.773 ug/l
RT: 4.08 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD063693.D
Acq: 20 Aug 2019 19:07

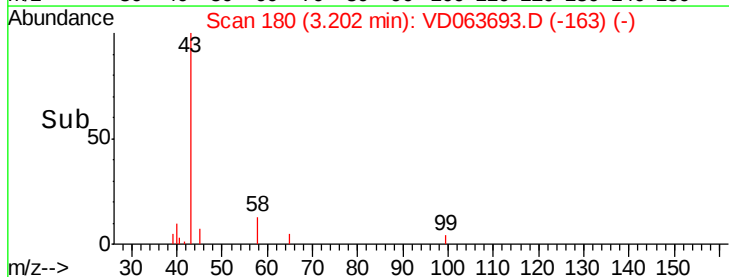
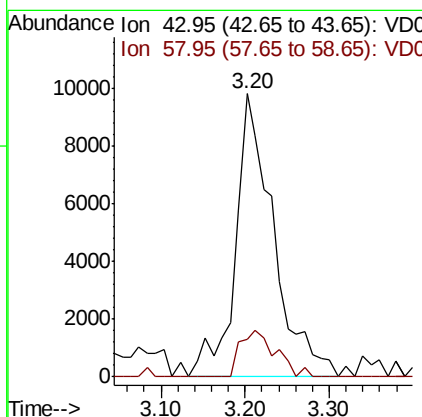
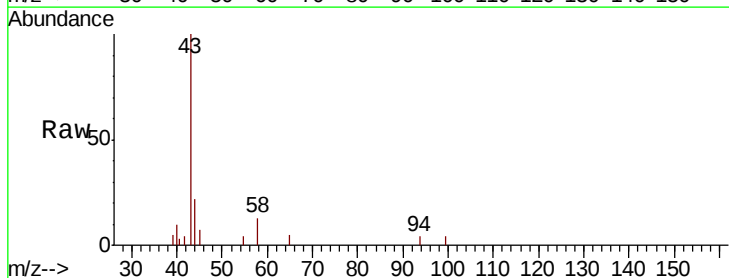
Instrument :
MSVOA_D
ClientSampleId :
T4-C-(2)

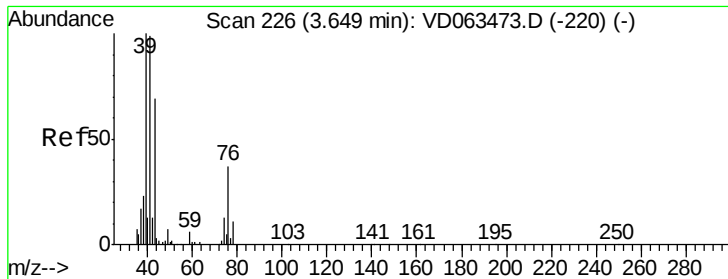
Tgt Ion: 59 Resp: 1386
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 18.081 ug/l
RT: 3.20 min Scan# 180
Delta R.T. -0.03 min
Lab File: VD063693.D
Acq: 20 Aug 2019 19:07

Tgt Ion: 43 Resp: 31016
Ion Ratio Lower Upper
43 100
58 13.1 11.4 17.2

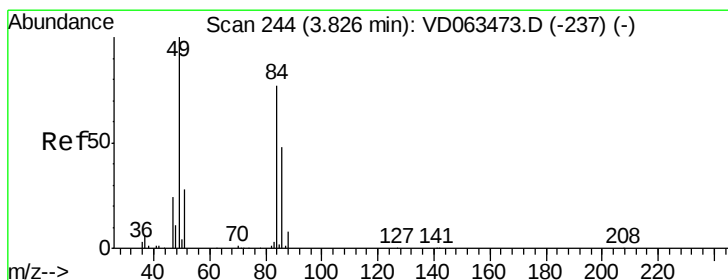
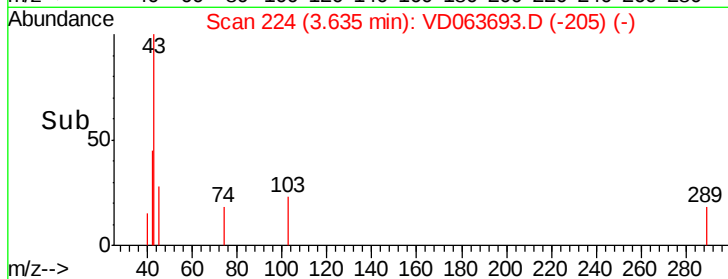
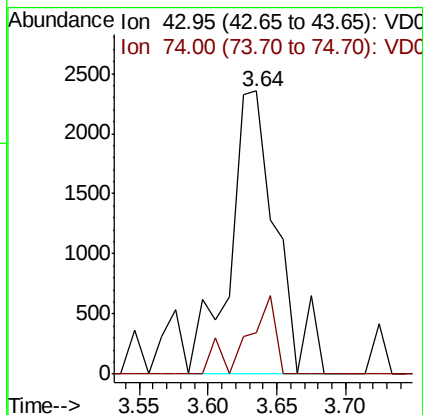
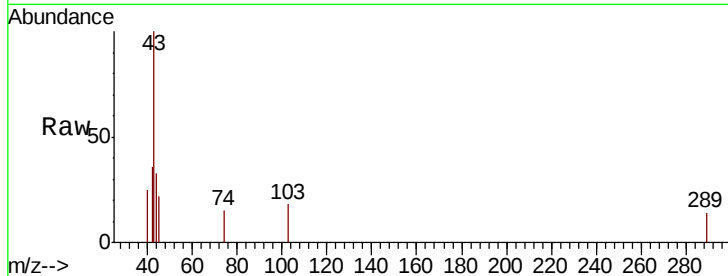




#18
Methyl Acetate
Concen: 1.720 ug/l
RT: 3.64 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD063693.D
Acq: 20 Aug 2019 19:07

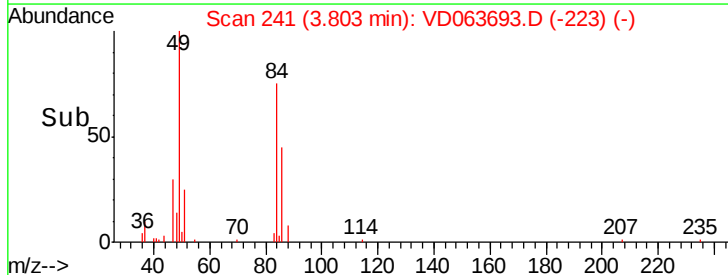
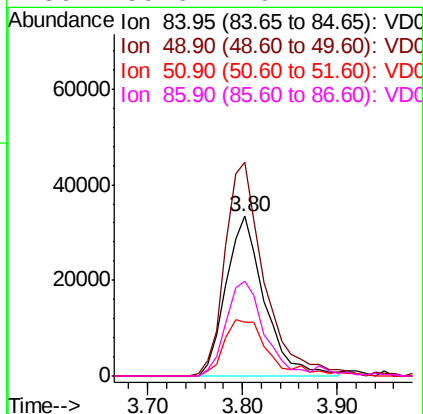
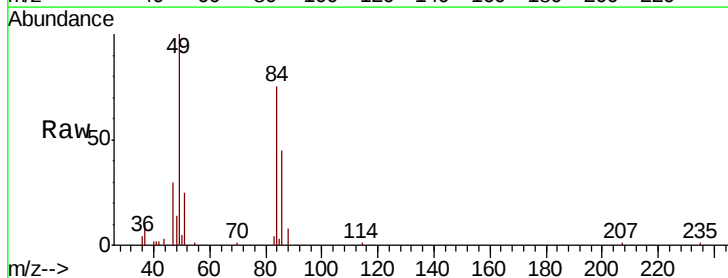
Instrument :
MSVOA_D
ClientSampleId :
T4-C-(2)

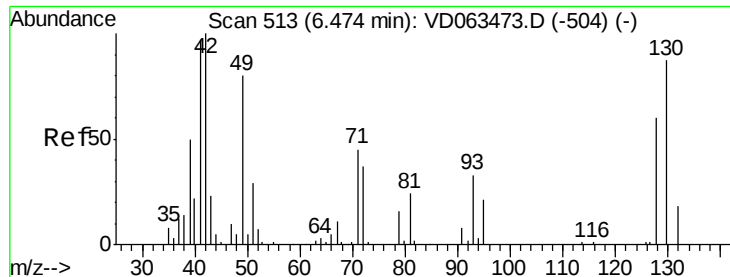
Tgt Ion: 43 Resp: 5587
Ion Ratio Lower Upper
43 100
74 14.5 15.4 23.2#



#20
Methylene Chloride
Concen: 12.632 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063693.D
Acq: 20 Aug 2019 19:07

Tgt Ion: 84 Resp: 93694
Ion Ratio Lower Upper
84 100
49 133.9 103.4 155.2
51 33.9 28.5 42.7
86 59.6 49.4 74.2





#29

Tetrahydrofuran

Concen: 8.573 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD063693.D

Acq: 20 Aug 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

T4-C-(2)

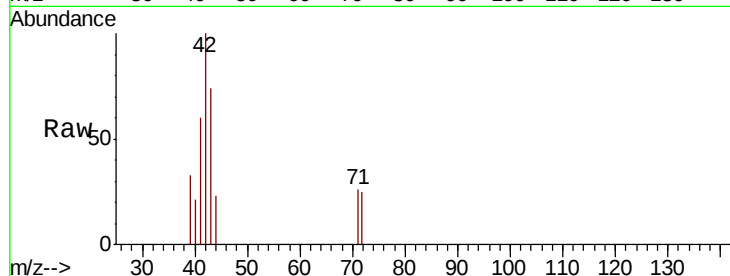
Tgt Ion: 42 Resp: 6768

Ion Ratio Lower Upper

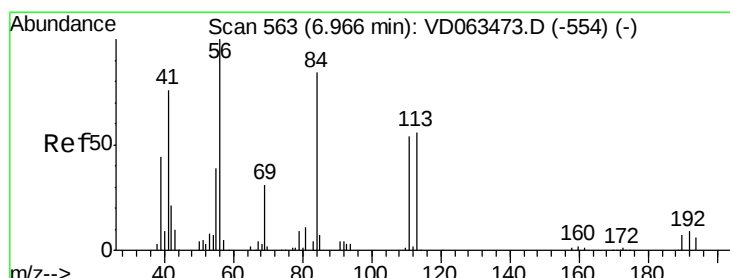
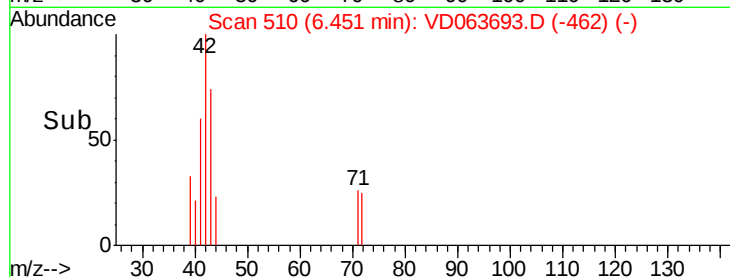
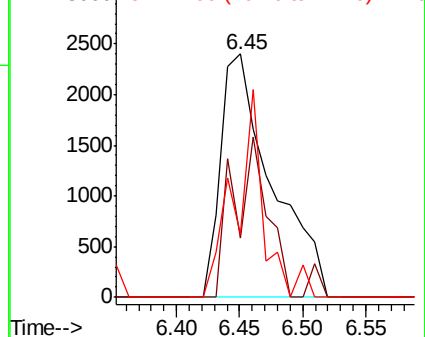
42 100

72 43.8 31.5 47.3

71 47.3 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: 2.347 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.06 min

Lab File: VD063693.D

Acq: 20 Aug 2019 19:07

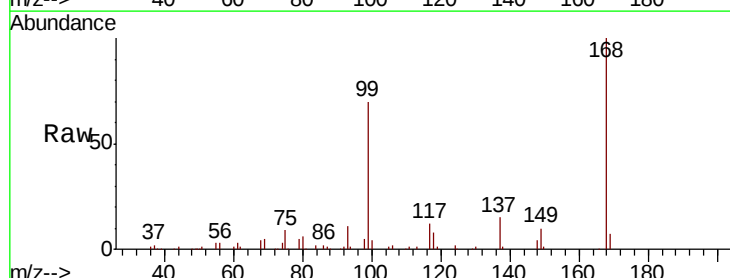
Tgt Ion: 56 Resp: 17886

Ion Ratio Lower Upper

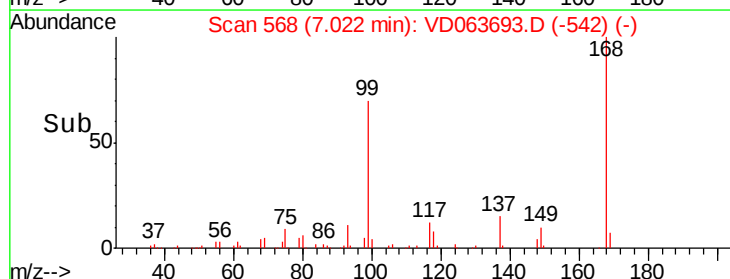
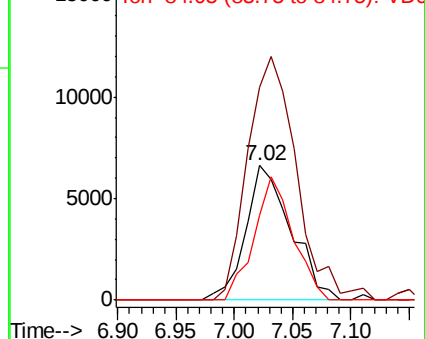
56 100

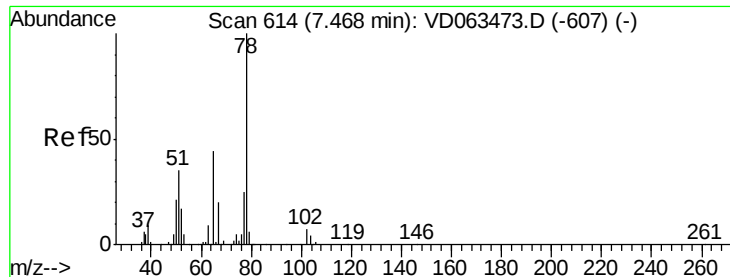
69 158.5 25.0 37.6#

84 63.0 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

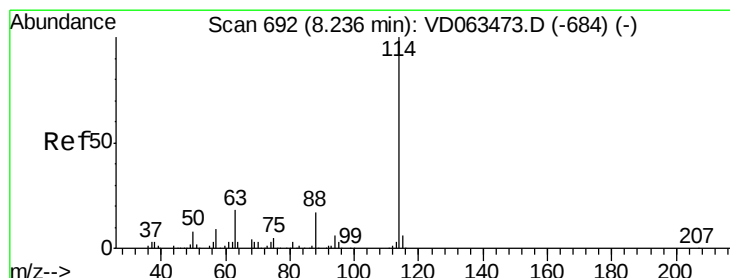
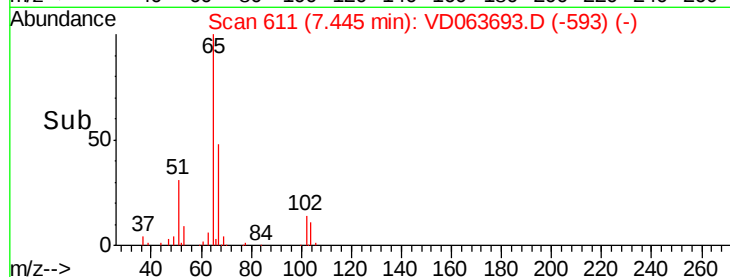
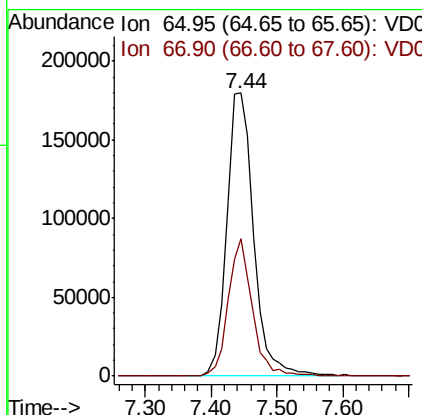
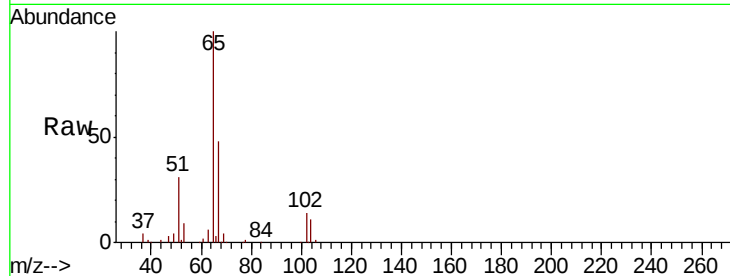




#33
 1,2-Dichloroethane-d4
 Concen: 60.936 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD063693.D
 Acq: 20 Aug 2019 19:07

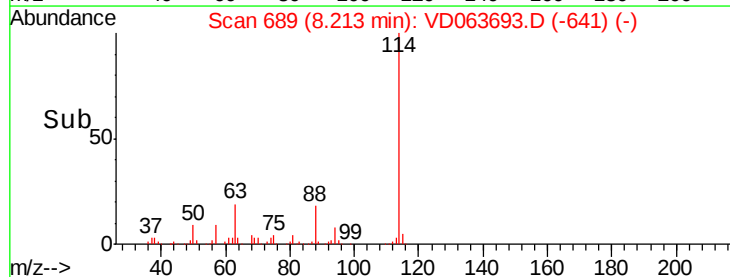
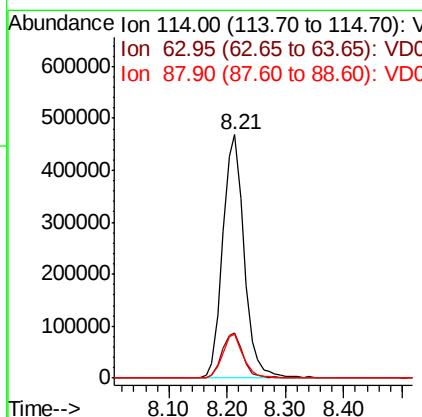
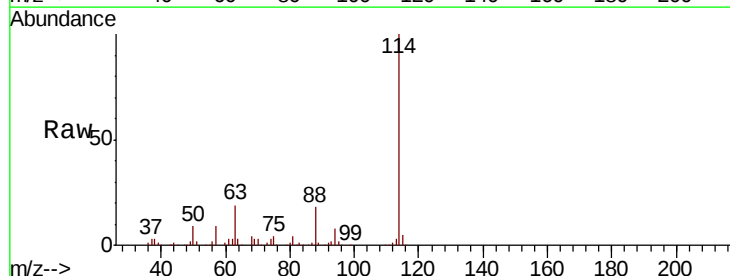
Instrument :
 MSVOA_D
 ClientSampleId :
 T4-C-(2)

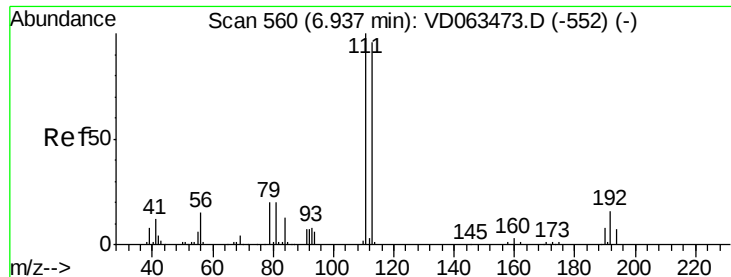
Tgt Ion: 65 Resp: 514207
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD063693.D
 Acq: 20 Aug 2019 19:07

Tgt Ion: 114 Resp: 1193583
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 36.2
 88 18.0 0.0 35.0





#35

Dibromofluoromethane

Concen: 52.884 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD063693.D

Acq: 20 Aug 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

T4-C-(2)

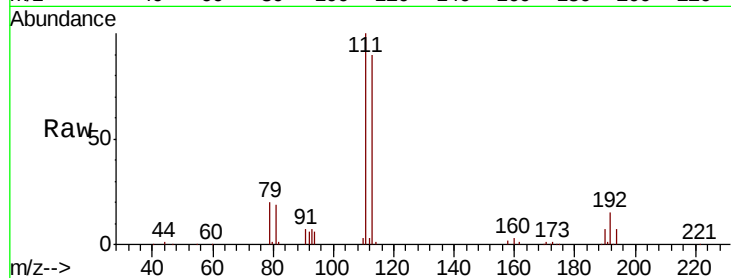
Tgt Ion:113 Resp: 531617

Ion Ratio Lower Upper

113 100

111 111.6 83.1 124.7

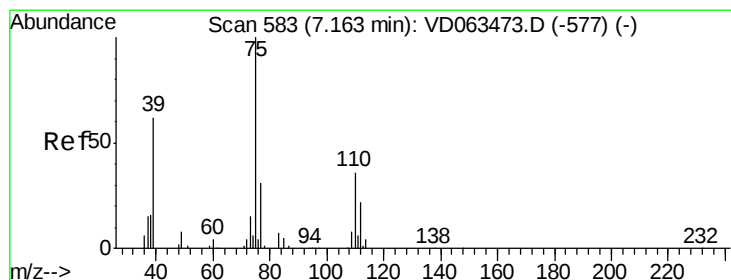
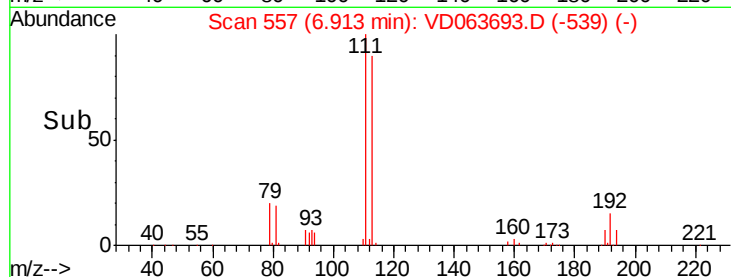
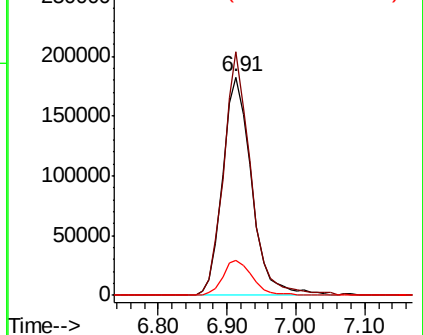
192 16.3 13.1 19.7



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: 5.774 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.12 min

Lab File: VD063693.D

Acq: 20 Aug 2019 19:07

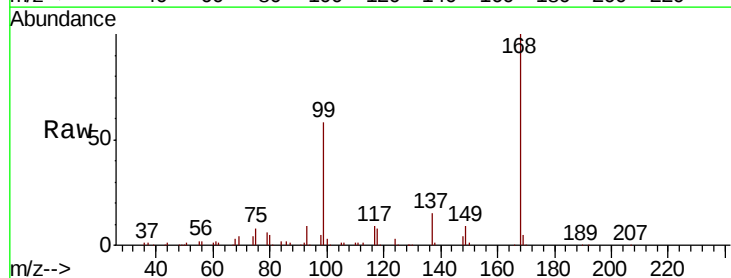
Tgt Ion: 75 Resp: 60928

Ion Ratio Lower Upper

75 100

110 6.2 17.6 52.8#

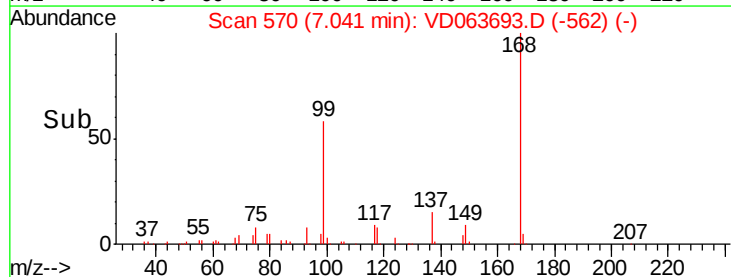
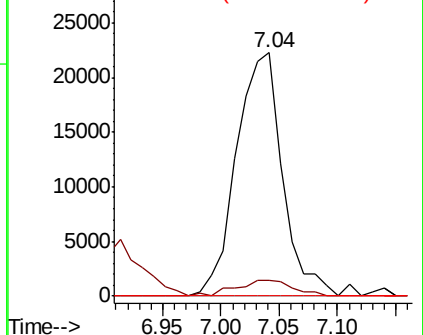
77 0.0 24.3 36.5#

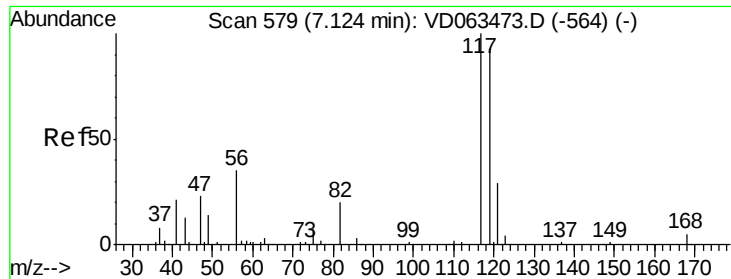


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 4.591 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD063693.D

Acq: 20 Aug 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

T4-C-(2)

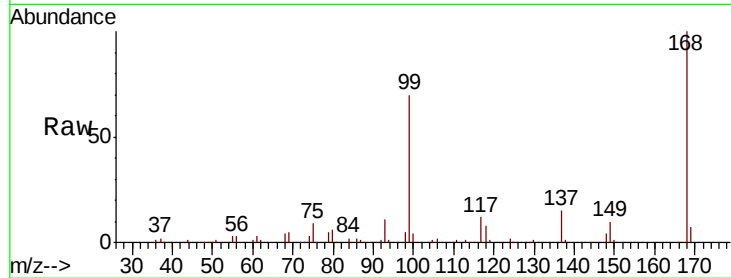
Tgt Ion:117 Resp: 73001

Ion Ratio Lower Upper

117 100

119 5.0 74.2 111.2#

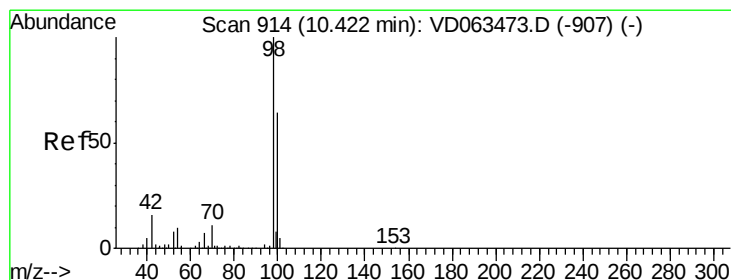
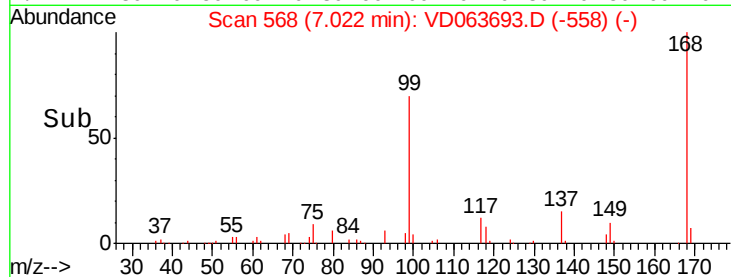
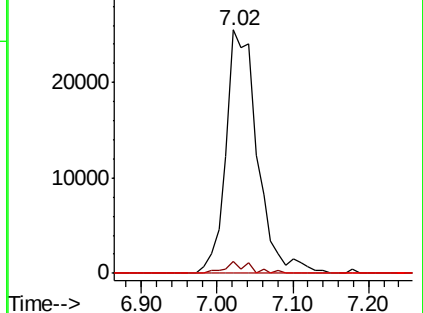
121 0.0 23.1 34.7#



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: 46.554 ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.02 min

Lab File: VD063693.D

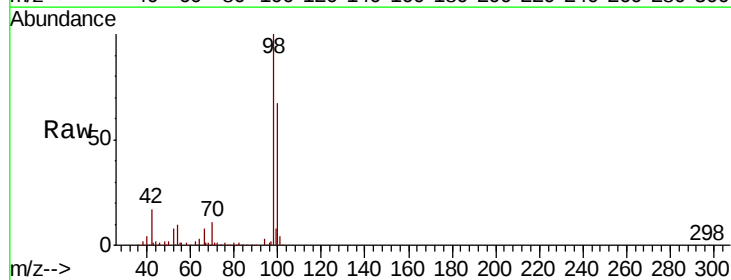
Acq: 20 Aug 2019 19:07

Tgt Ion: 98 Resp: 1028875

Ion Ratio Lower Upper

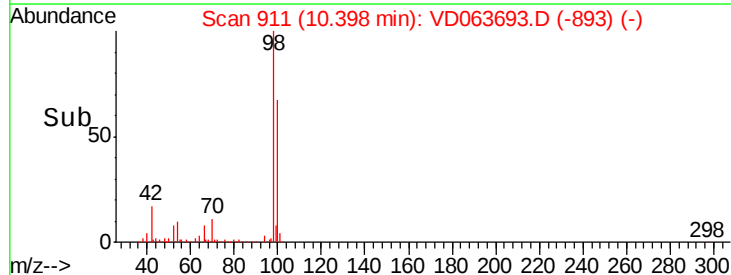
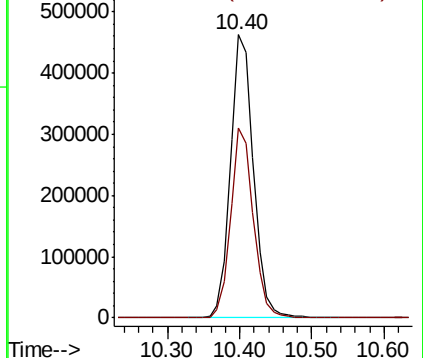
98 100

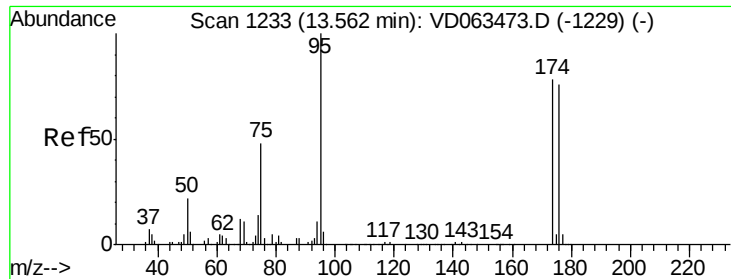
100 67.1 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 37.123 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063693.D

Acq: 20 Aug 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

T4-C-(2)

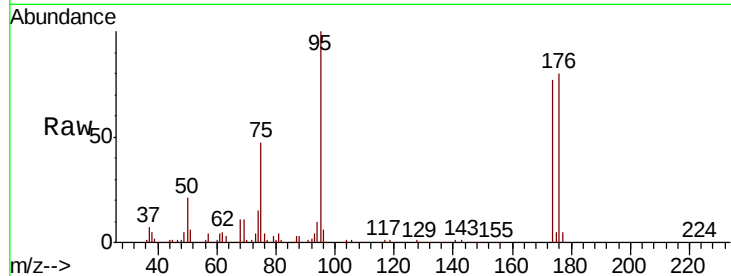
Tgt Ion: 95 Resp: 371861

Ion Ratio Lower Upper

95 100

174 77.2 0.0 155.4

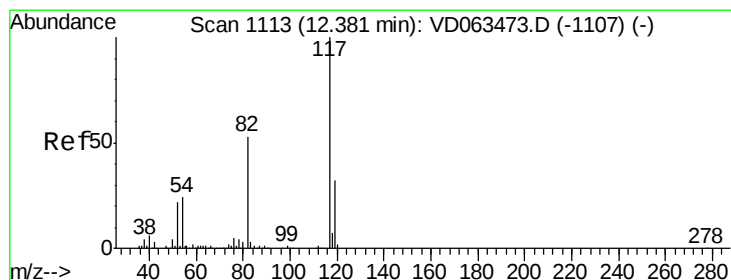
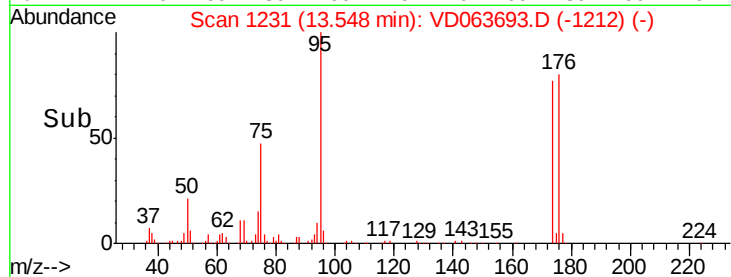
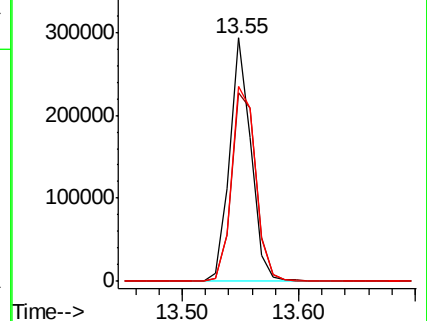
176 80.0 0.0 152.4



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: 12.37 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063693.D

Acq: 20 Aug 2019 19:07

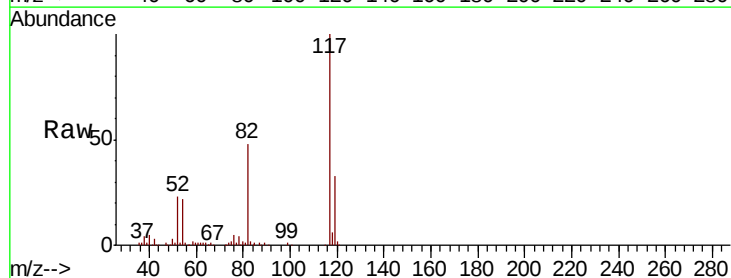
Tgt Ion: 117 Resp: 833430

Ion Ratio Lower Upper

117 100

82 48.1 42.0 63.0

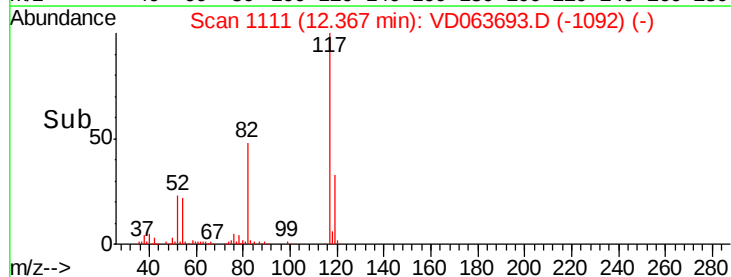
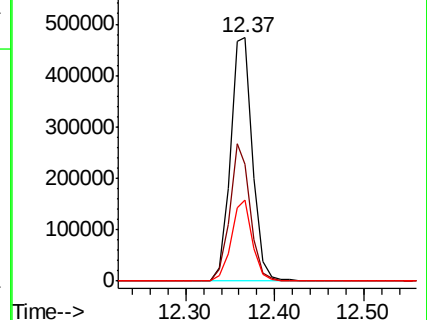
119 33.3 25.4 38.0

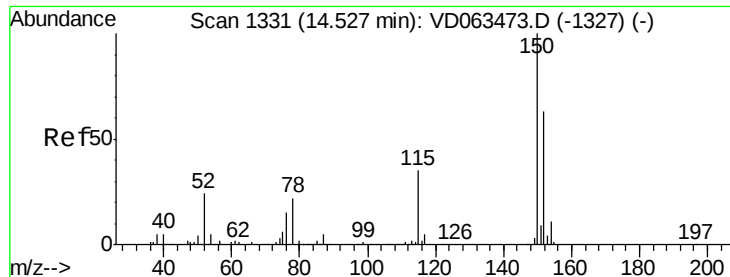


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



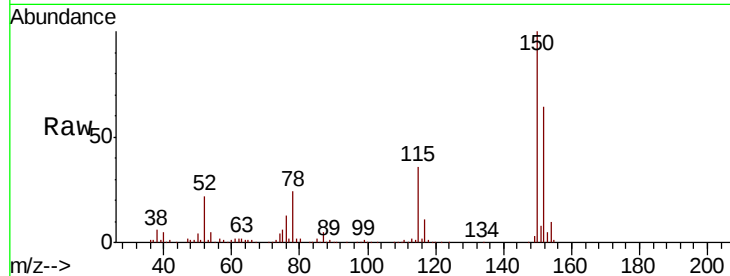


#72

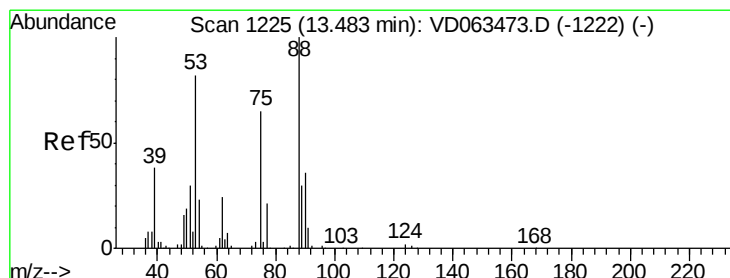
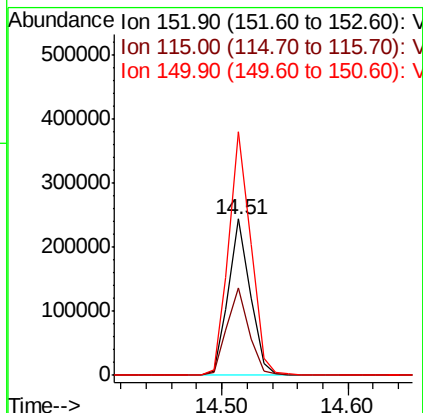
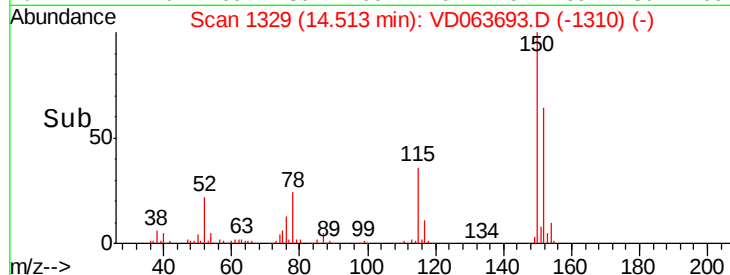
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063693.D
Acq: 20 Aug 2019 19:07

Instrument :
MSVOA_D
ClientSampleId :
T4-C-(2)

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	30.9	92.7
150	155.6	0.0	318.6



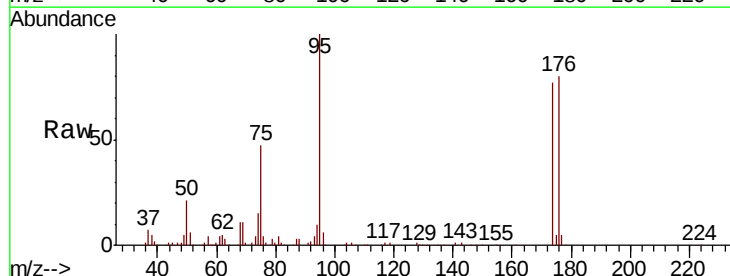
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 186.900 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD063693.D
Acq: 20 Aug 2019 19:07

Tgt 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

