

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081919\
 Data File : VD063666.D
 Acq On : 19 Aug 2019 19:07
 Operator : JC/SY
 Sample : K4385-03RE
 Misc : 5.51g/5ml/MSVOA_D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T8-A2-(0)RE

Quant Time: Aug 20 08:17:00 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	1017791	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1418774	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1001539	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	310296	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	541665	49.79	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	99.58%	
35) Dibromofluoromethane	6.92	113	620342	51.92	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	103.84%	
50) Toluene-d8	10.40	98	1239761	47.19	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	94.38%	
62) 4-Bromofluorobenzene	13.55	95	381246	32.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	64.04%	

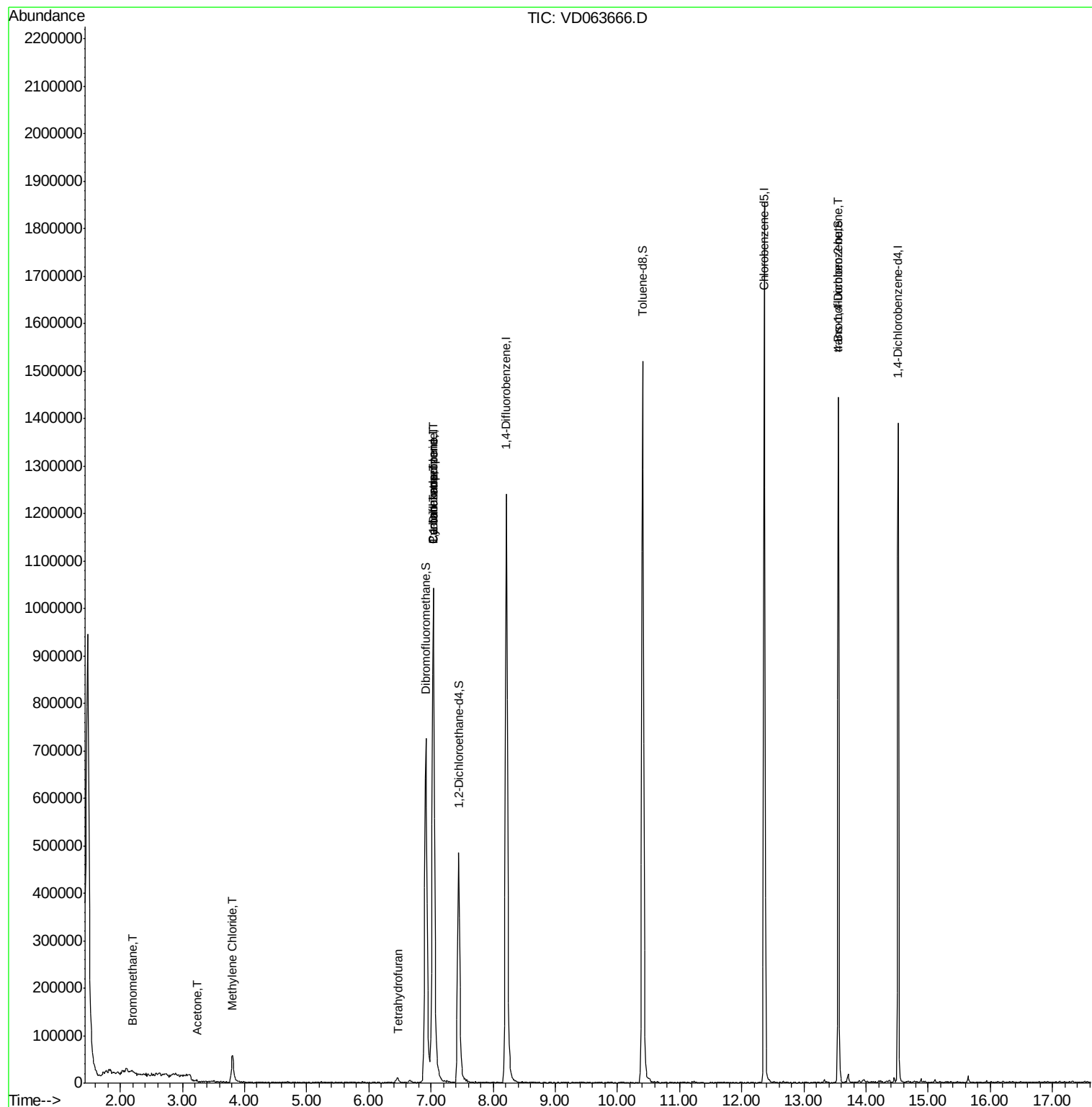
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	5202	1.154	ug/l #	11
16) Acetone	3.24	43	2291	1.036	ug/l #	65
20) Methylene Chloride	3.81	84	35299	3.691	ug/l #	87
29) Tetrahydrofuran	6.47	42	7048	6.925	ug/l #	82
31) Cyclohexane	7.03	56	20607	2.098	ug/l #	9
36) 1,1-Dichloropropene	7.04	75	76402	6.092	ug/l #	49
38) Carbon Tetrachloride	7.04	117	91788	4.856	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	167141	174.624	ug/l #	1

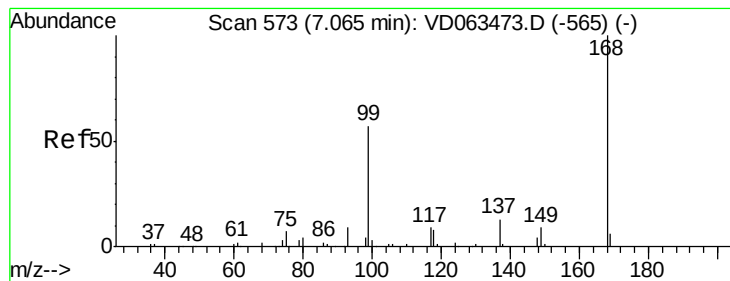
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. -0.03 min

Lab File: VD063666.D

Acq: 19 Aug 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

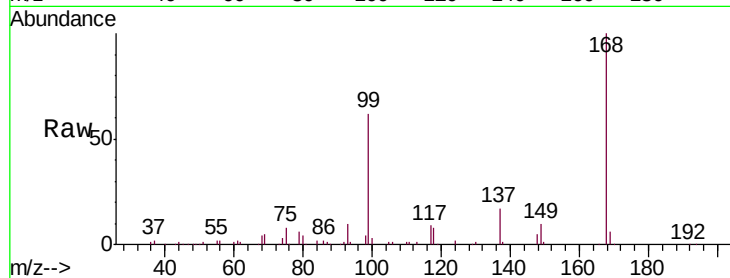
T8-A2-(0)RE

Tgt Ion:168 Resp: 1017791

Ion Ratio Lower Upper

168 100

99 62.2 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

400000

300000

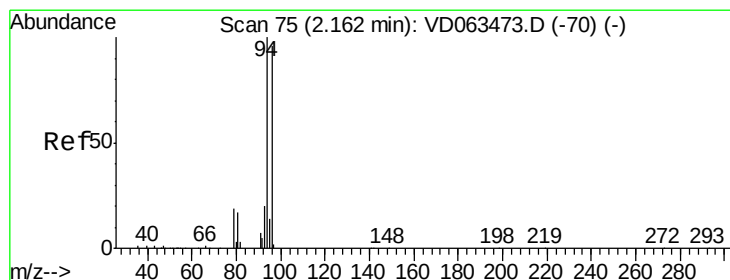
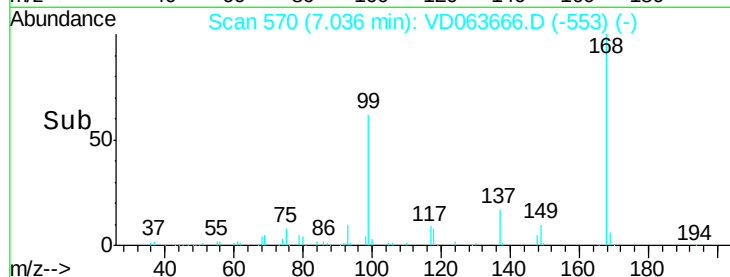
200000

100000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#5

Bromomethane

Concen: 1.154 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.03 min

Lab File: VD063666.D

Acq: 19 Aug 2019 19:07

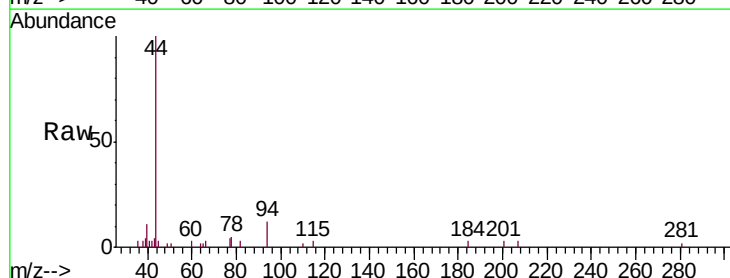
Tgt Ion: 94 Resp: 5202

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

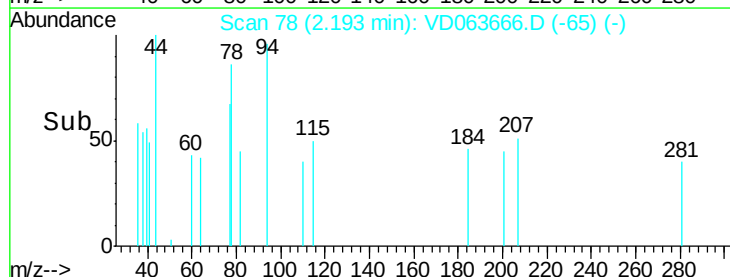
1000

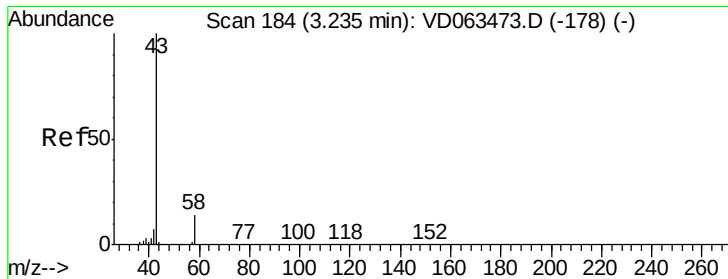
500

0

2.10 2.15 2.20

Time-->





#16

Acetone

Concen: 1.036 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD063666.D

Acq: 19 Aug 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

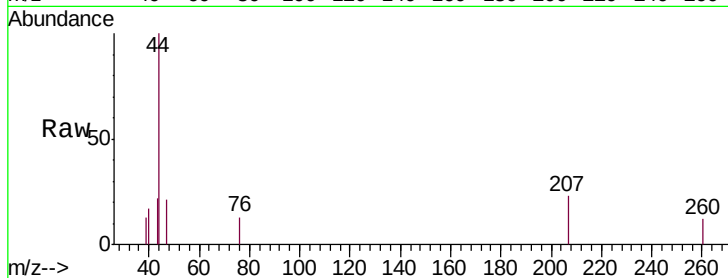
T8-A2-(0)RE

Tgt Ion: 43 Resp: 2291

Ion Ratio Lower Upper

43 100

58 0.0 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.24

800

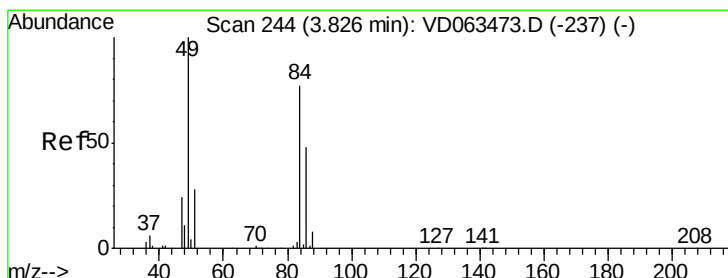
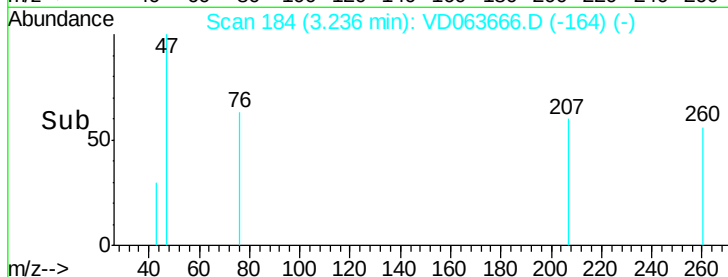
600

400

200

0

Time--> 3.15 3.20 3.25



#20

Methylene Chloride

Concen: 3.691 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD063666.D

Acq: 19 Aug 2019 19:07

Tgt Ion: 84 Resp: 35299

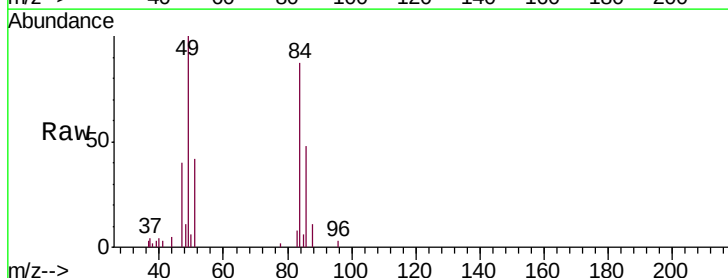
Ion Ratio Lower Upper

84 100

49 114.5 103.4 155.2

51 48.1 28.5 42.7#

86 55.5 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

30000

25000

20000

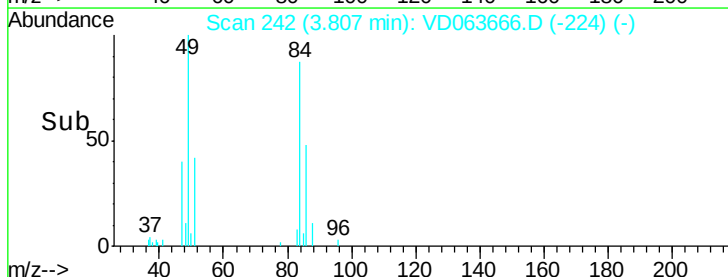
15000

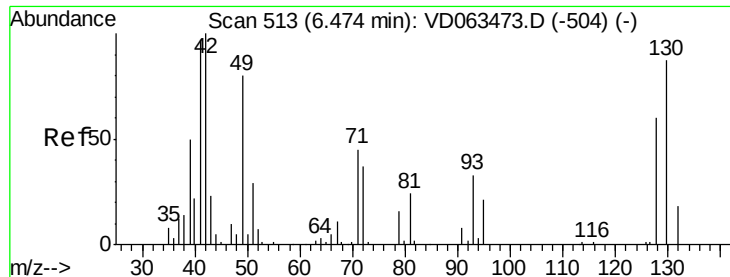
10000

5000

0

Time--> 3.70 3.80 3.90





#29

Tetrahydrofuran

Concen: 6.925 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD063666.D

Acq: 19 Aug 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

T8-A2-(0)RE

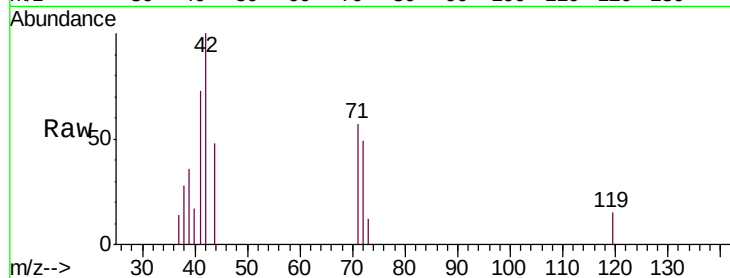
Tgt Ion: 42 Resp: 7048

Ion Ratio Lower Upper

42 100

72 42.6 31.5 47.3

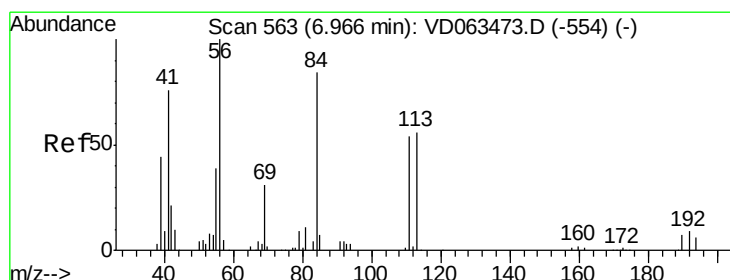
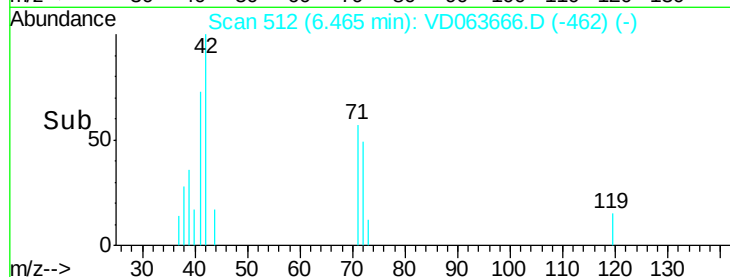
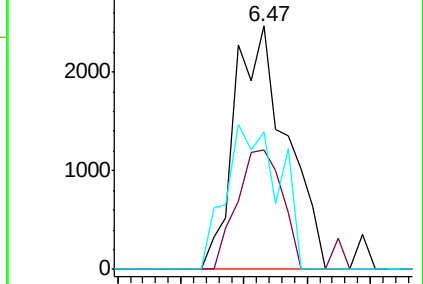
71 60.7 33.8 50.8#



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: 2.098 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.06 min

Lab File: VD063666.D

Acq: 19 Aug 2019 19:07

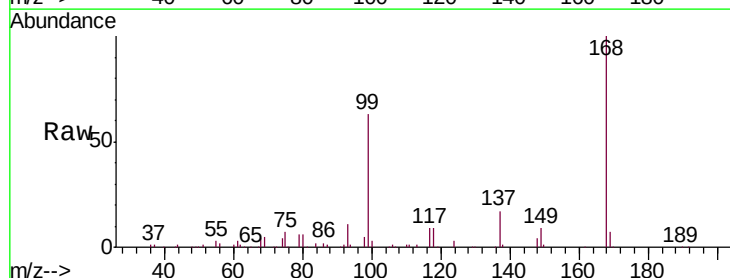
Tgt Ion: 56 Resp: 20607

Ion Ratio Lower Upper

56 100

69 198.8 25.0 37.6#

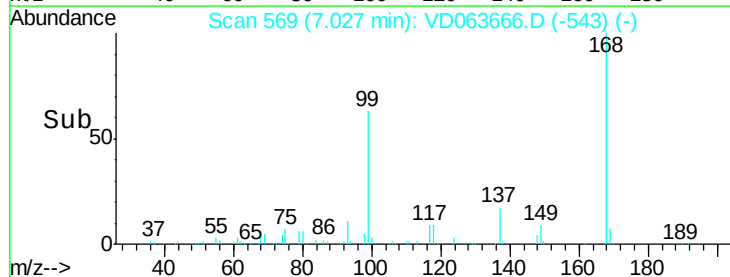
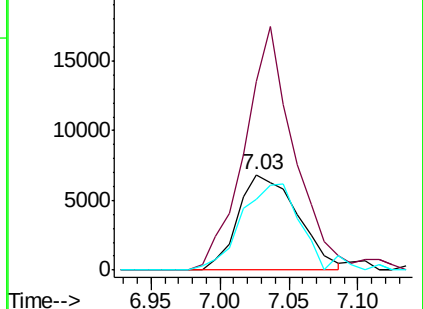
84 74.2 69.7 104.5

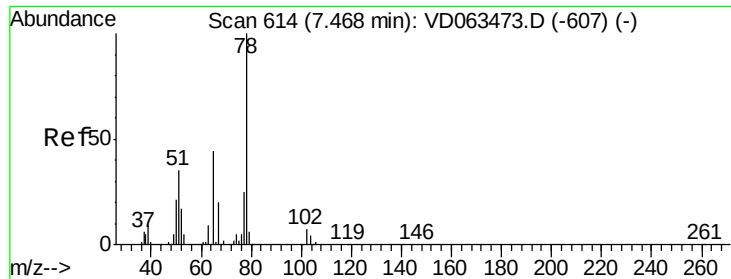


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.788 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063666.D

Acq: 19 Aug 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

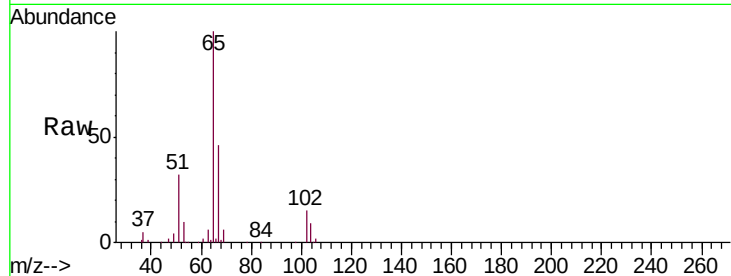
T8-A2-(0)RE

Tgt Ion: 65 Resp: 541665

Ion Ratio Lower Upper

65 100

67 45.5 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

150000

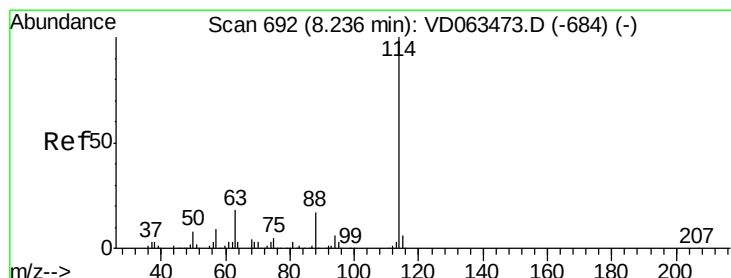
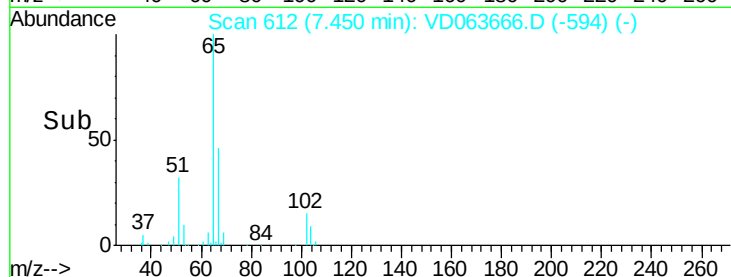
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063666.D

Acq: 19 Aug 2019 19:07

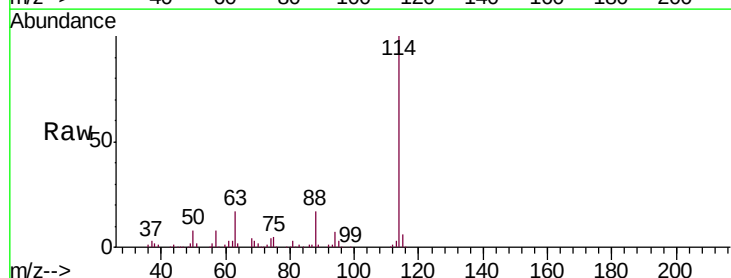
Tgt Ion: 114 Resp: 1418774

Ion Ratio Lower Upper

114 100

63 16.9 0.0 36.2

88 16.7 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

600000

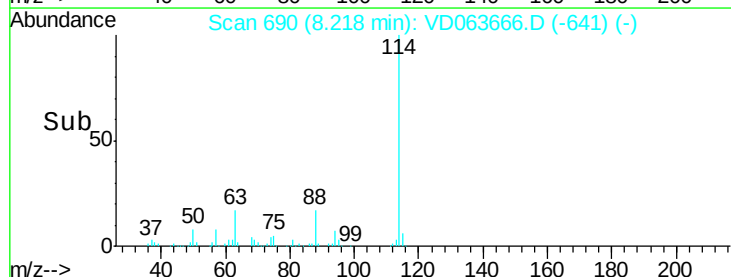
400000

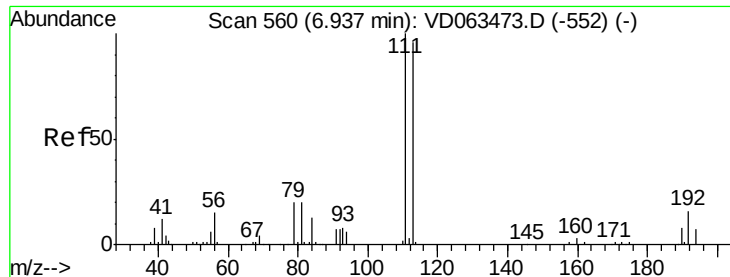
200000

0

8.10 8.20 8.30 8.40 8.50

Time-->





#35

Dibromofluoromethane

Concen: 51.916 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063666.D

Acq: 19 Aug 2019 19:07

Instrument :

MSVOA_D

ClientSampleId :

T8-A2-(0)RE

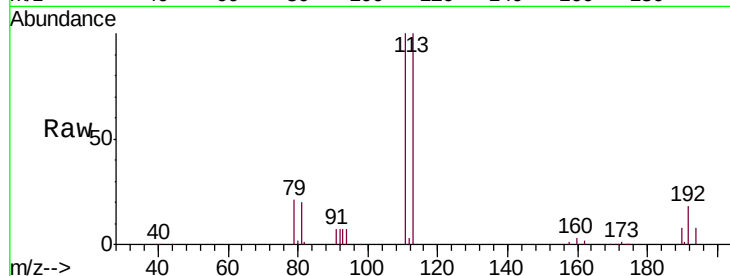
Tgt Ion:113 Resp: 620342

Ion Ratio Lower Upper

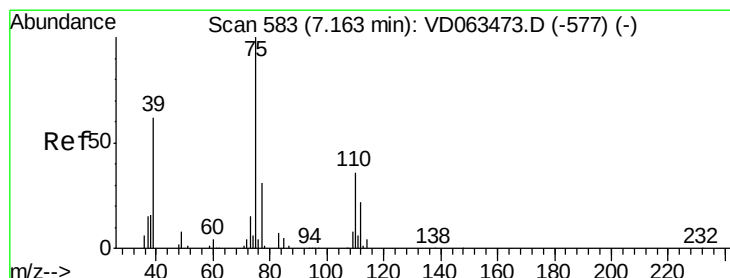
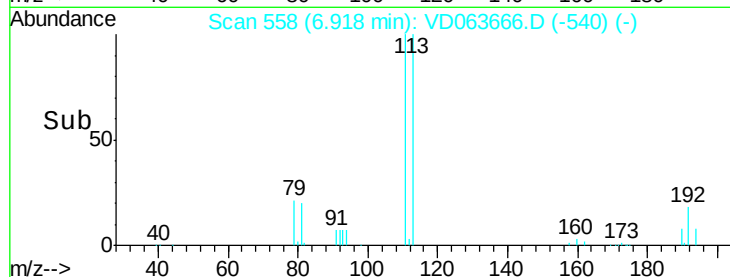
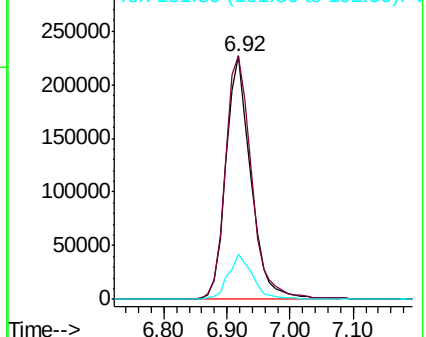
113 100

111 100.0 83.1 124.7

192 18.5 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: 6.092 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.13 min

Lab File: VD063666.D

Acq: 19 Aug 2019 19:07

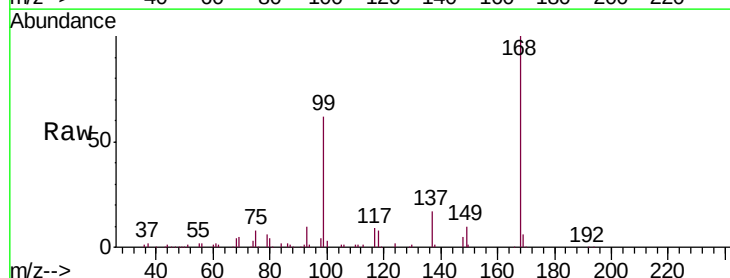
Tgt Ion: 75 Resp: 76402

Ion Ratio Lower Upper

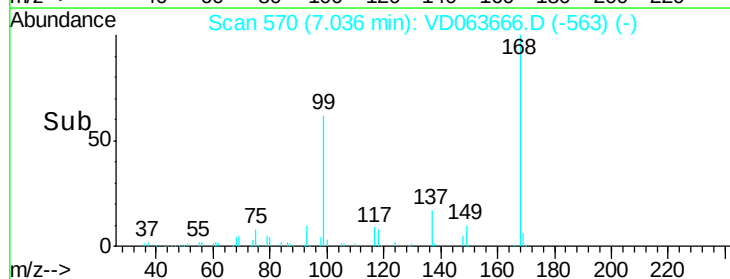
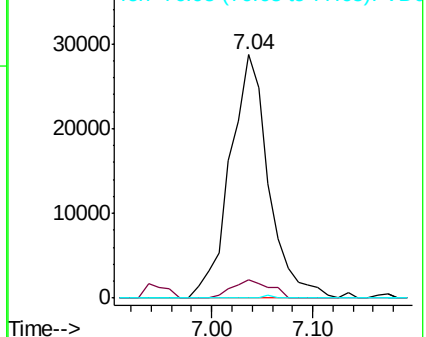
75 100

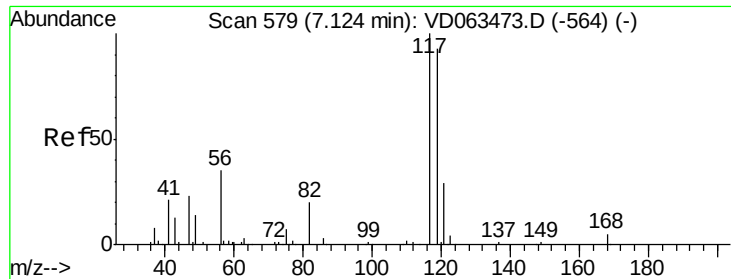
110 7.6 17.6 52.8#

77 0.0 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

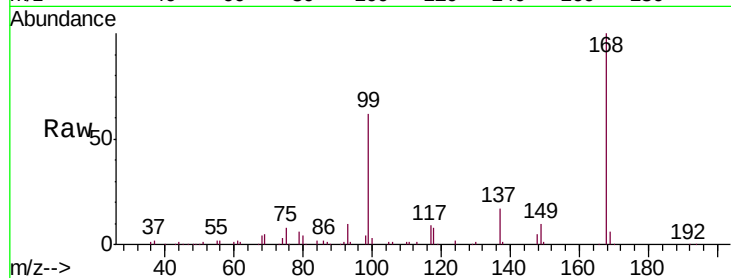




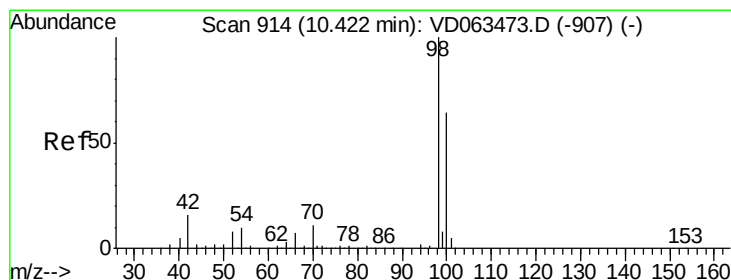
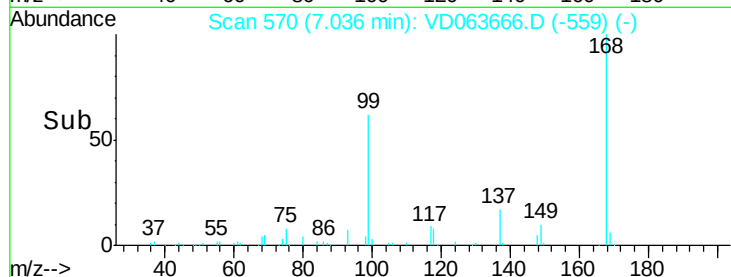
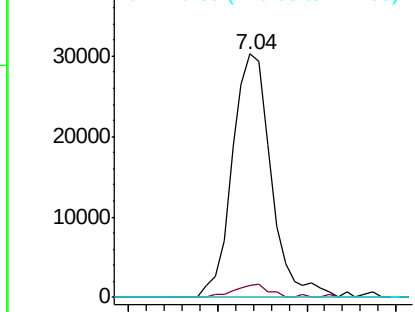
#38
Carbon Tetrachloride
Concen: 4.856 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.09 min
Lab File: VD063666.D
Acq: 19 Aug 2019 19:07

Instrument :
MSVOA_D
ClientSampleId :
T8-A2-(0)RE

Tgt Ion:117 Resp: 91788
Ion Ratio Lower Upper
117 100
119 5.0 74.2 111.2#
121 0.0 23.1 34.7#

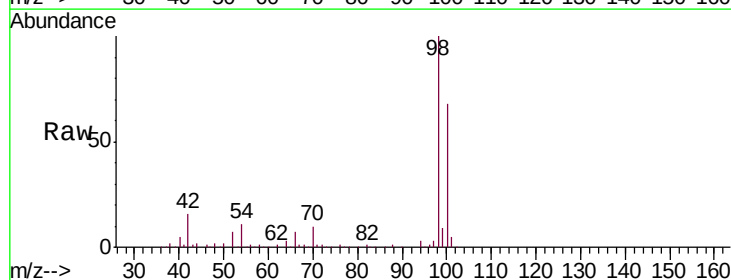


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

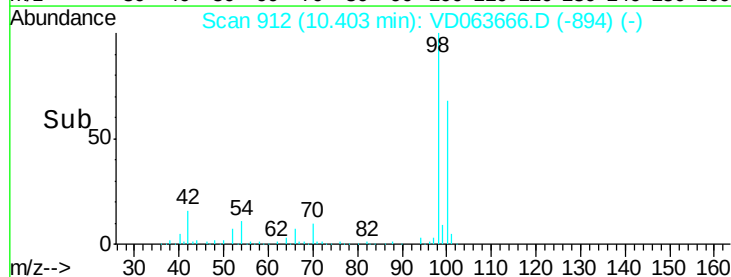
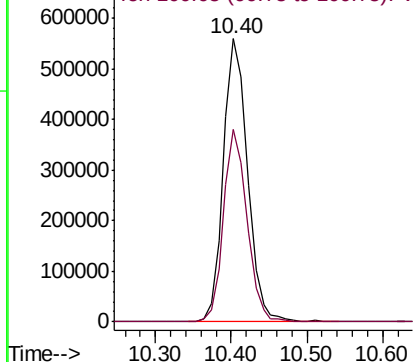


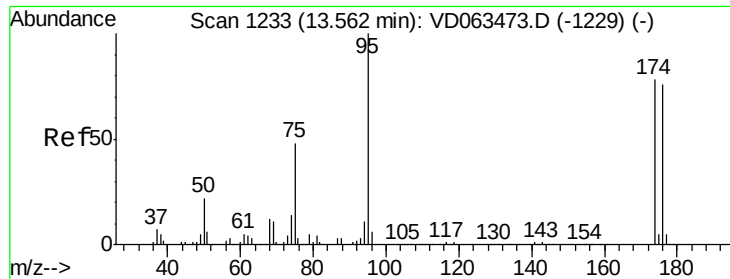
#50
Toluene-d8
Concen: 47.192 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063666.D
Acq: 19 Aug 2019 19:07

Tgt Ion: 98 Resp: 1239761
Ion Ratio Lower Upper
98 100
100 68.0 51.7 77.5



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

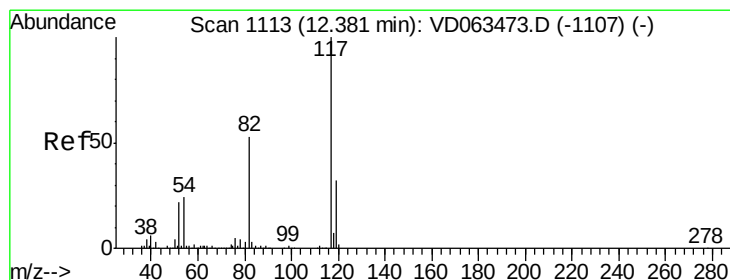
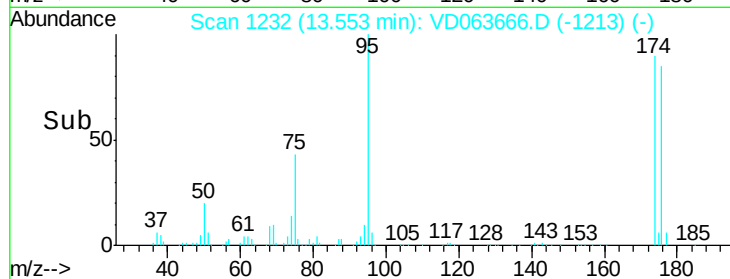
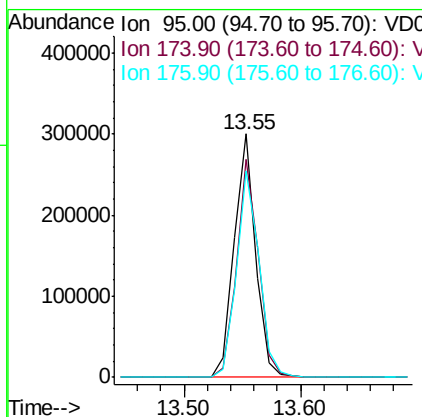
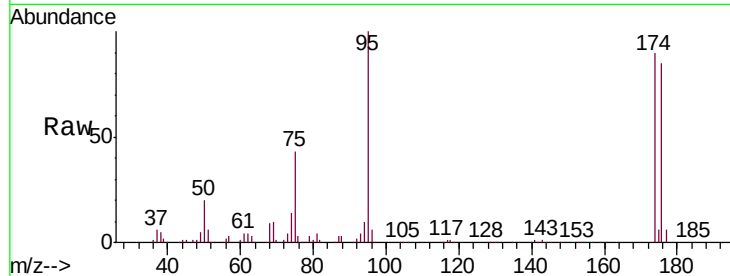




#62
4-Bromofluorobenzene
Concen: 32.019 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063666.D
Acq: 19 Aug 2019 19:07

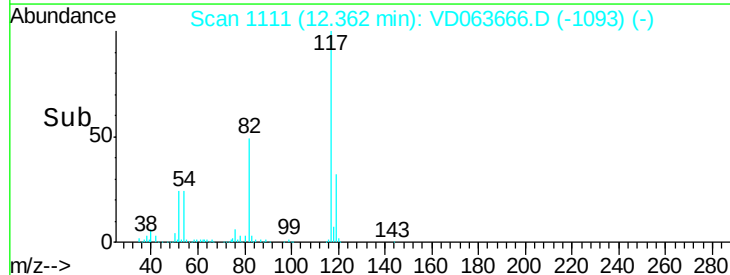
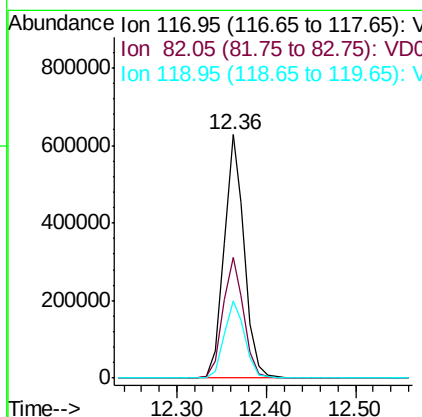
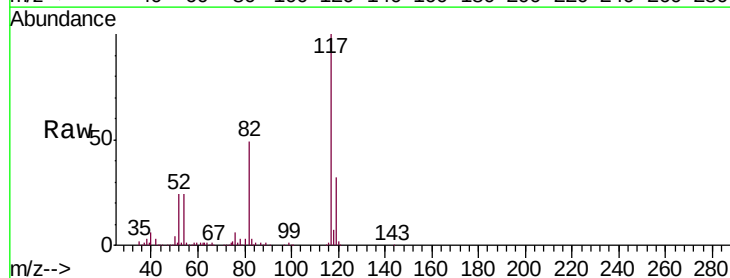
Instrument :
MSVOA_D
ClientSampleId :
T8-A2-(0)RE

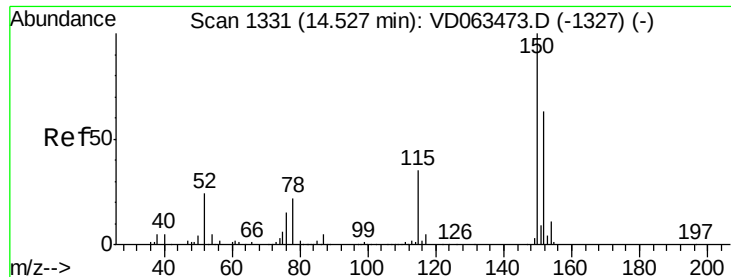
Tgt Ion: 95 Resp: 381246
Ion Ratio Lower Upper
95 100
174 89.6 0.0 155.4
176 84.7 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063666.D
Acq: 19 Aug 2019 19:07

Tgt Ion: 117 Resp: 1001539
Ion Ratio Lower Upper
117 100
82 49.5 42.0 63.0
119 31.6 25.4 38.0

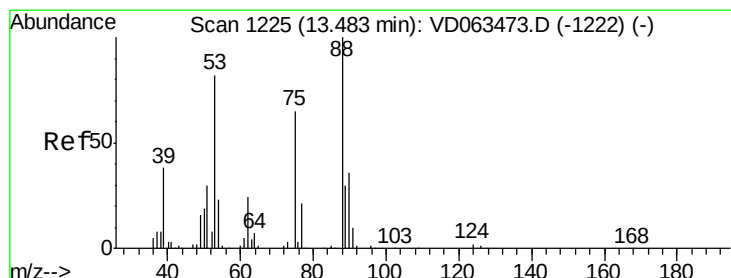
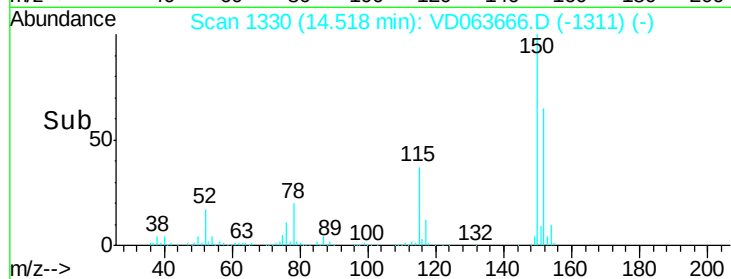
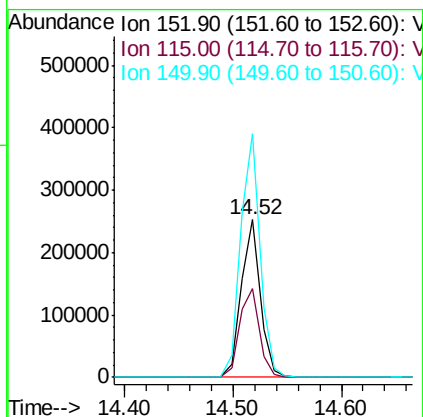
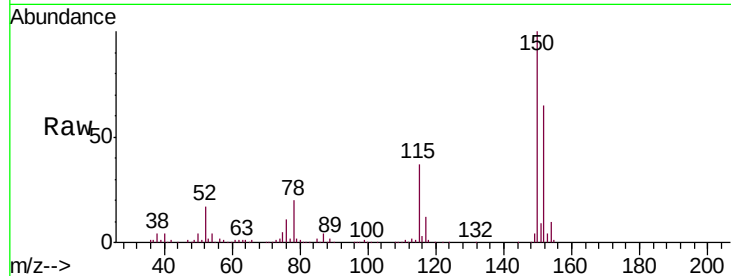




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD063666.D
 Acq: 19 Aug 2019 19:07

Instrument :
 MSVOA_D
 ClientSampleId :
 T8-A2-(0)RE

Tgt Ion:152 Resp: 310296
 Ion Ratio Lower Upper
 152 100
 115 56.6 30.9 92.7
 150 154.6 0.0 318.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 174.624 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD063666.D
 Acq: 19 Aug 2019 19:07

Tgt Ion: 75 Resp: 167141
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.0 151.4#
 89 0.0 37.0 55.6#

