

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081919\
 Data File : VD063667.D
 Acq On : 19 Aug 2019 19:34
 Operator : JC/SY
 Sample : K4385-02RE
 Misc : 6.10g/5ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T8-A1-(0)RE

Quant Time: Aug 20 08:17:12 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	1063005	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1519194	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	977614	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	316666	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	524681	46.18	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	92.36%	
35) Dibromofluoromethane	6.91	113	652765	51.02	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.40	98	1251332	44.48	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	88.96%	
62) 4-Bromofluorobenzene	13.55	95	410943	32.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.46%	

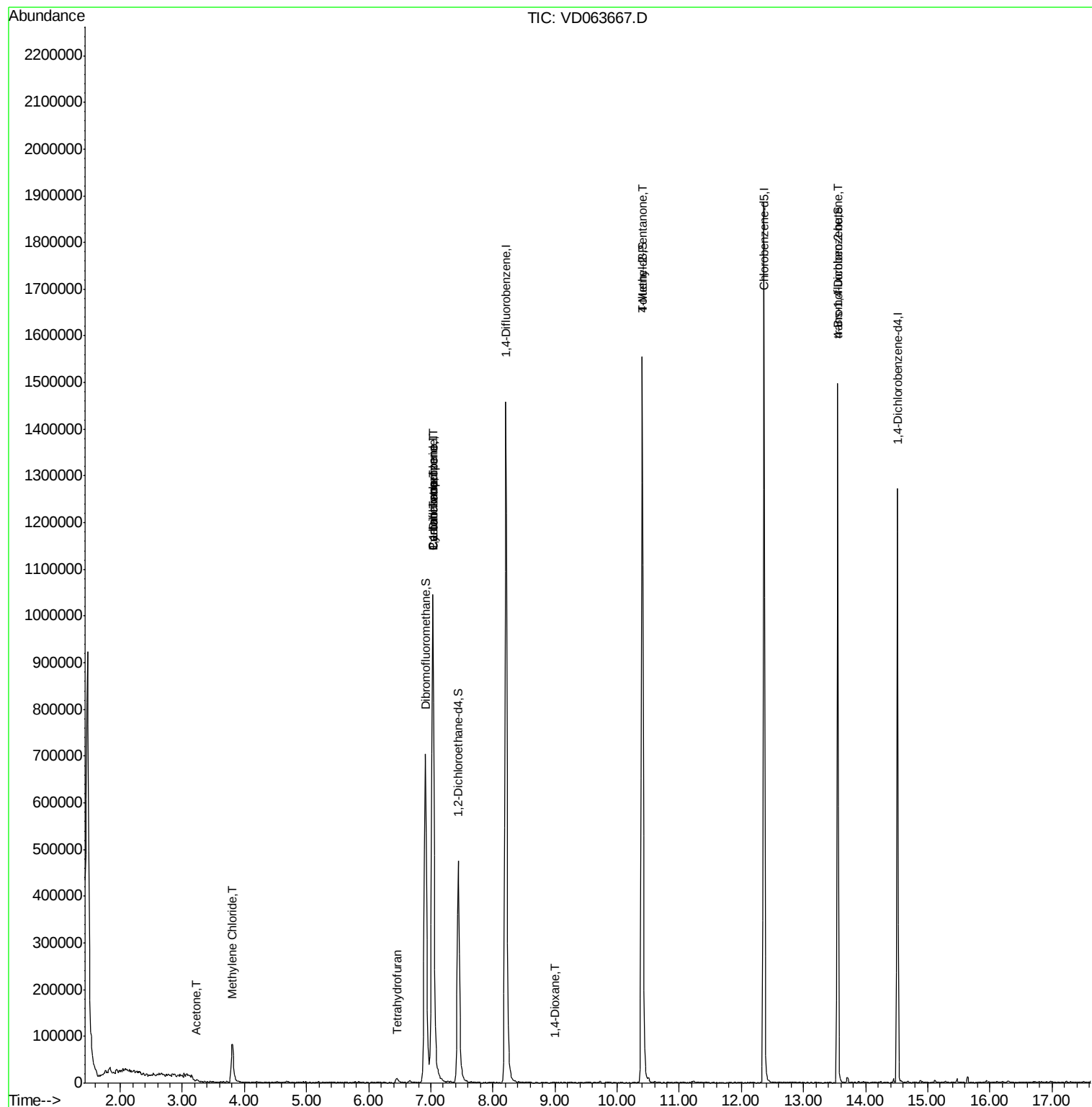
Target Compounds						Qvalue
16) Acetone	3.21	43	6044	2.617	ug/l #	65
20) Methylene Chloride	3.81	84	50273	5.033	ug/l	96
29) Tetrahydrofuran	6.45	42	4793	4.509	ug/l #	73
31) Cyclohexane	7.04	56	20504	1.999	ug/l #	5
36) 1,1-Dichloropropene	7.04	75	79194	5.897	ug/l #	50
38) Carbon Tetrachloride	7.03	117	101659	5.023	ug/l #	16
49) 1,4-Dioxane	8.99	88	187	28.736	ug/l #	34
51) 4-Methyl-2-Pentanone	10.39	43	7681	1.489	ug/l #	5
81) trans-1,4-Dichloro-2-buten	13.55	75	174172	178.309	ug/l #	1

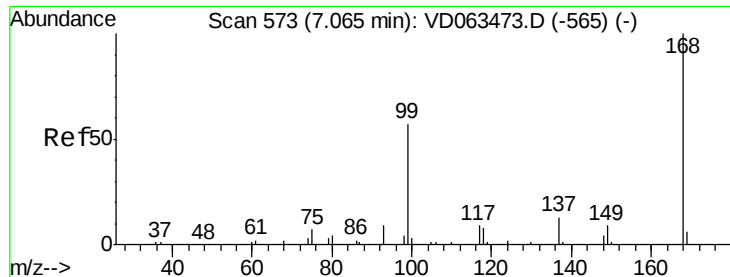
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063667.D

Acq: 19 Aug 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

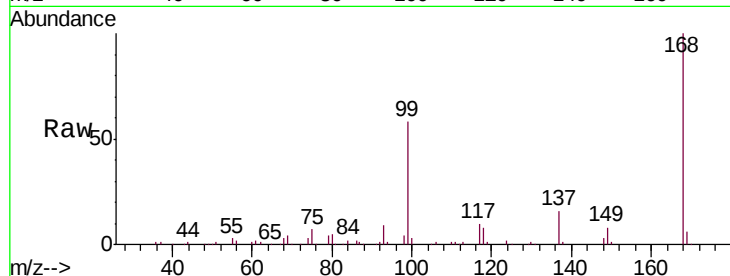
T8-A1-(0)RE

Tgt Ion:168 Resp: 1063005

Ion Ratio Lower Upper

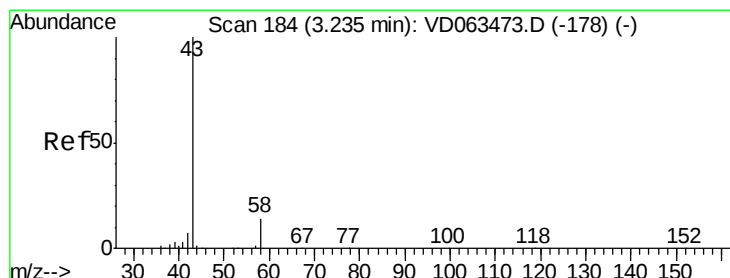
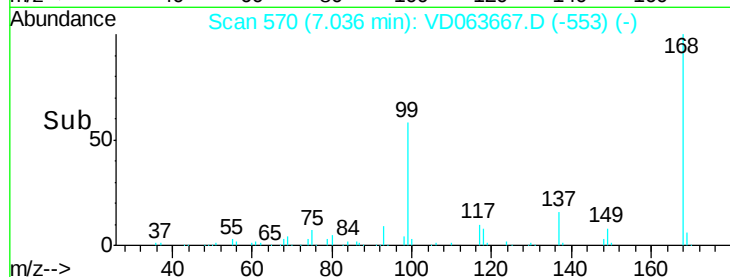
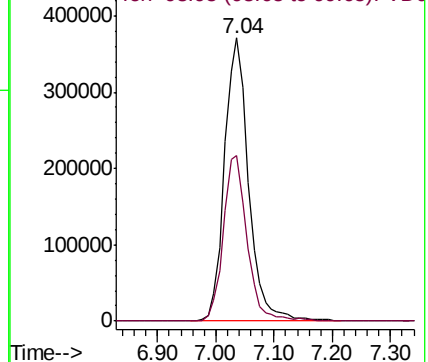
168 100

99 58.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 2.617 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063667.D

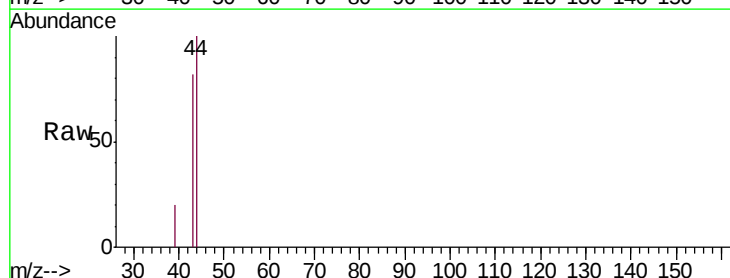
Acq: 19 Aug 2019 19:34

Tgt Ion: 43 Resp: 6044

Ion Ratio Lower Upper

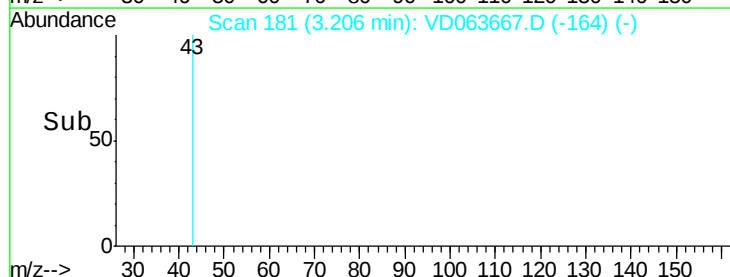
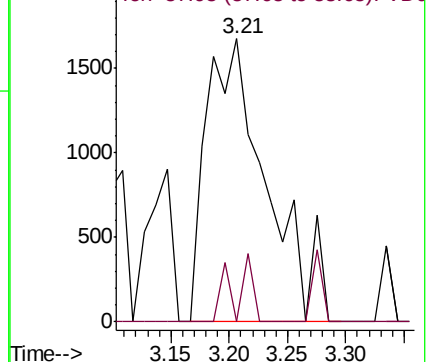
43 100

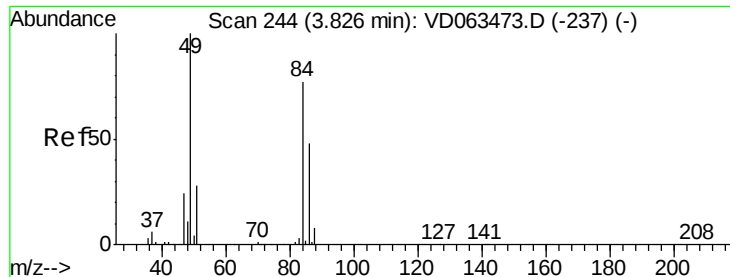
58 0.0 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

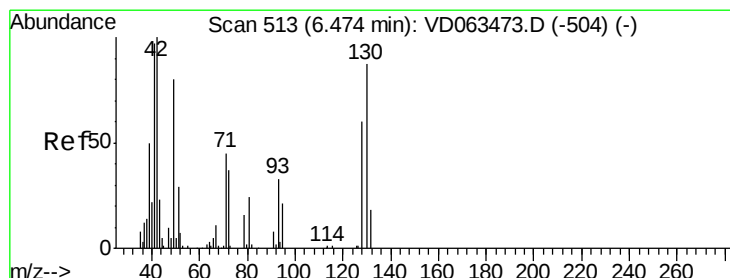
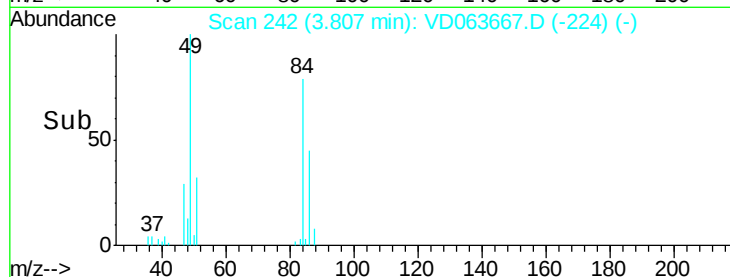
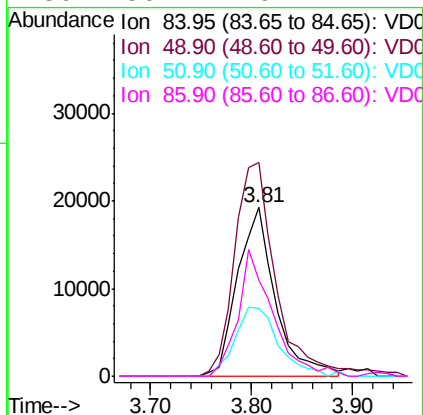
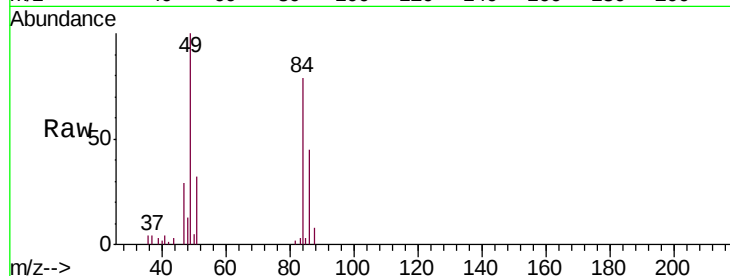




#20
Methylene Chloride
Concen: 5.033 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063667.D
Acq: 19 Aug 2019 19:34

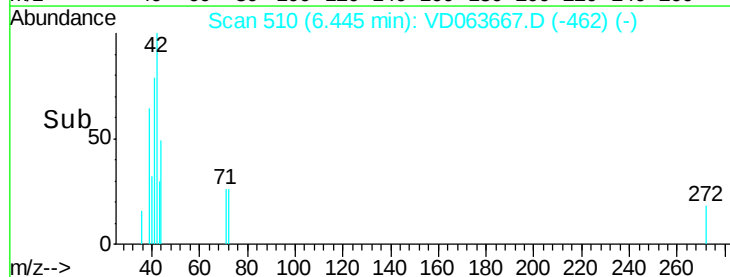
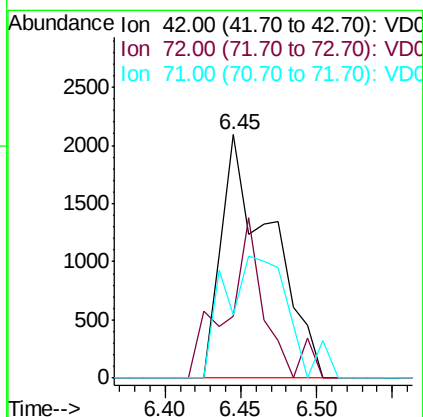
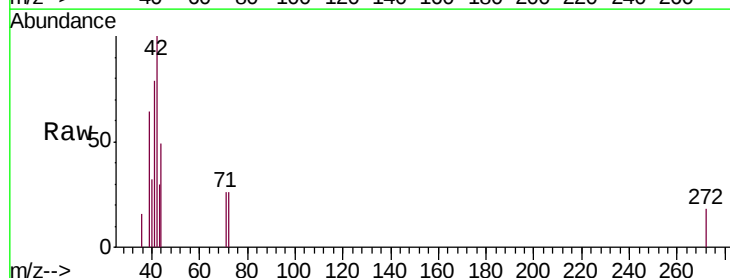
Instrument :
MSVOA_D
ClientSampleId :
T8-A1-(0)RE

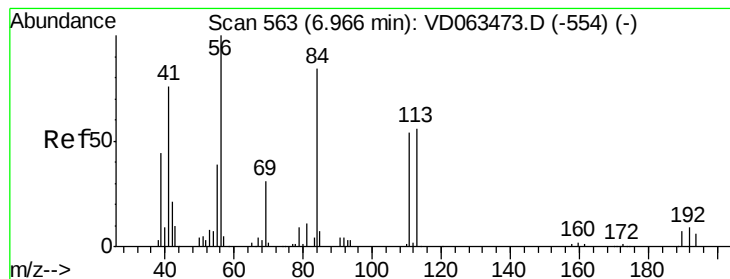
Tgt Ion:	84	Resp:	50273
Ion	Ratio	Lower	Upper
84	100		
49	126.6	103.4	155.2
51	40.6	28.5	42.7
86	56.7	49.4	74.2



#29
Tetrahydrofuran
Concen: 4.509 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.03 min
Lab File: VD063667.D
Acq: 19 Aug 2019 19:34

Tgt Ion:	42	Resp:	4793
Ion	Ratio	Lower	Upper
42	100		
72	50.4	31.5	47.3#
71	64.6	33.8	50.8#





#31

Cyclohexane

Concen: 1.999 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD063667.D

Acq: 19 Aug 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

T8-A1-(0)RE

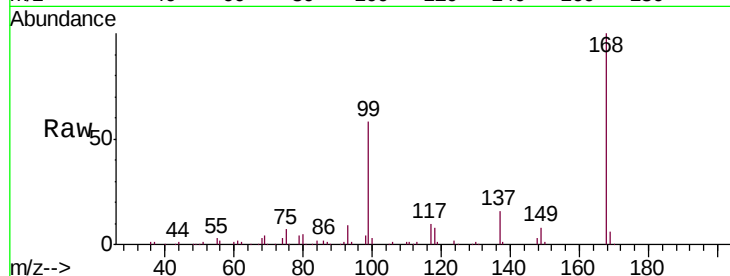
Tgt Ion: 56 Resp: 20504

Ion Ratio Lower Upper

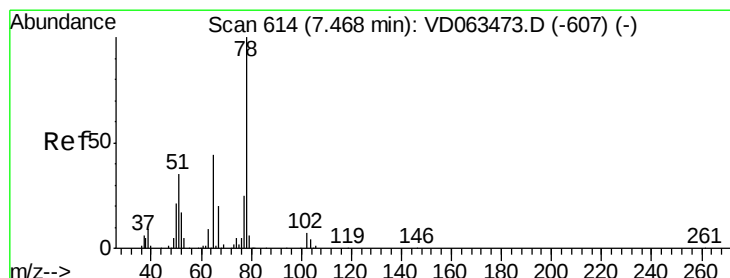
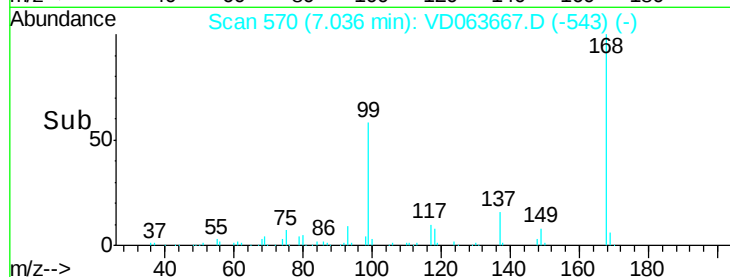
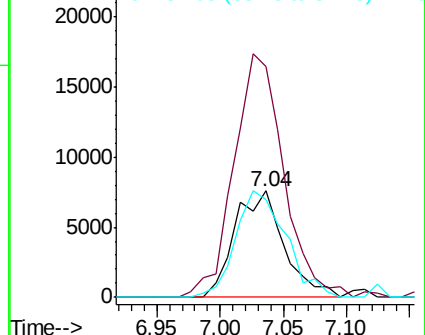
56 100

69 222.2 25.0 37.6#

84 91.2 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: 46.176 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD063667.D

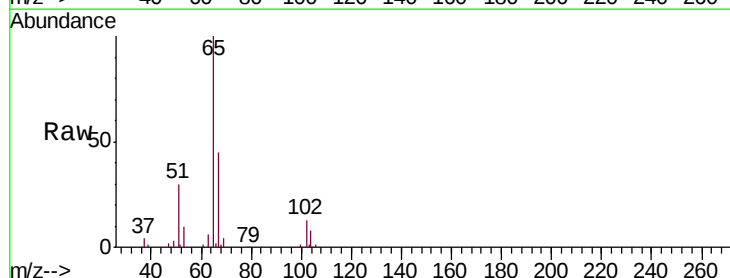
Acq: 19 Aug 2019 19:34

Tgt Ion: 65 Resp: 524681

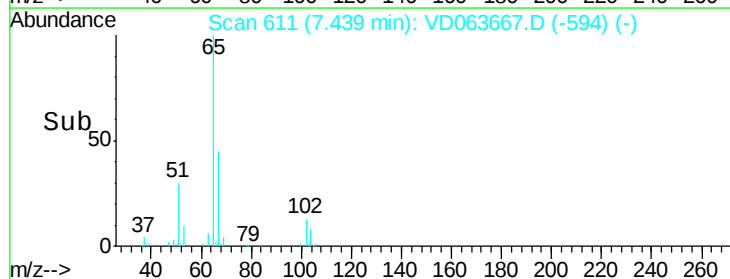
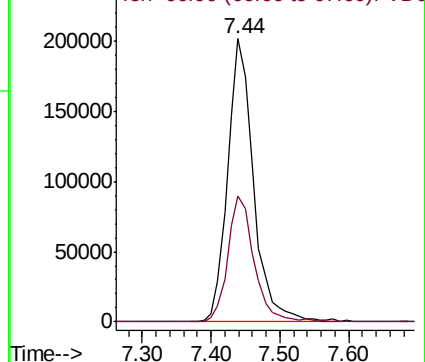
Ion Ratio Lower Upper

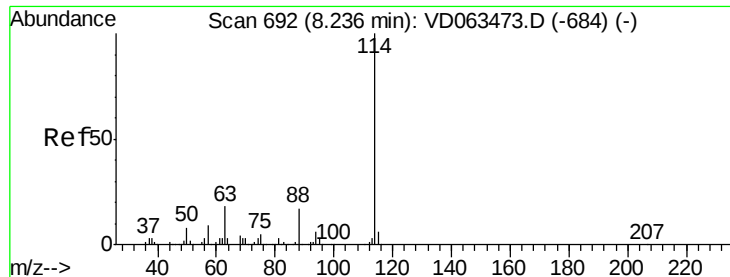
65 100

67 44.6 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.03 min

Lab File: VD063667.D

Acq: 19 Aug 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

T8-A1-(0)RE

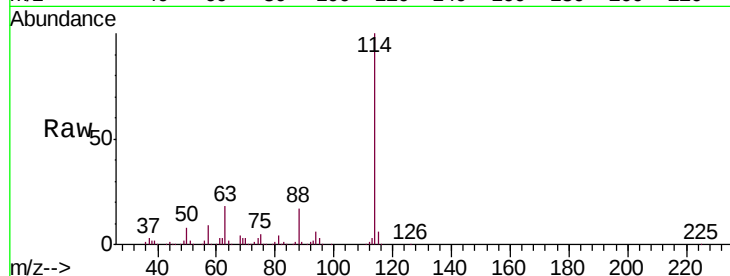
Tgt Ion:114 Resp: 1519194

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.2

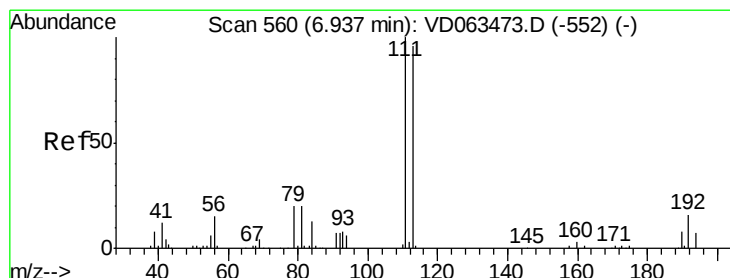
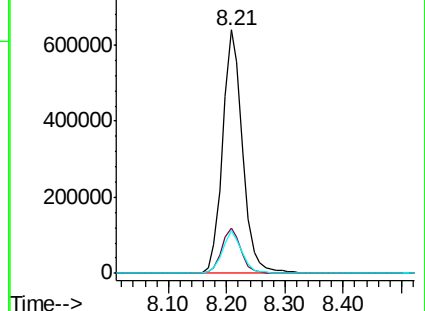
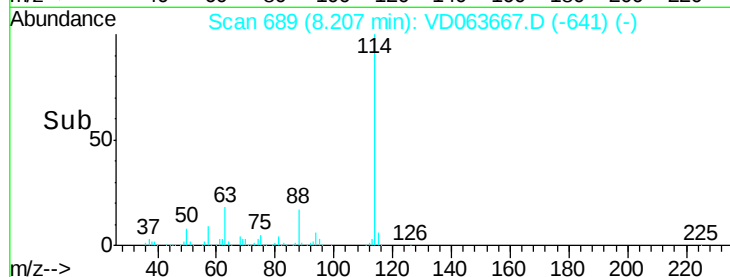
88 17.5 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 51.018 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063667.D

Acq: 19 Aug 2019 19:34

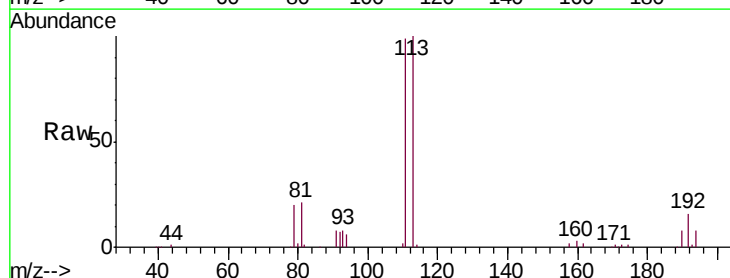
Tgt Ion:113 Resp: 652765

Ion Ratio Lower Upper

113 100

111 98.9 83.1 124.7

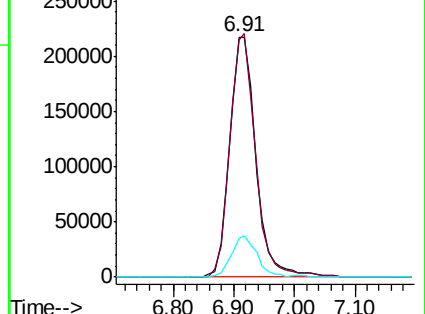
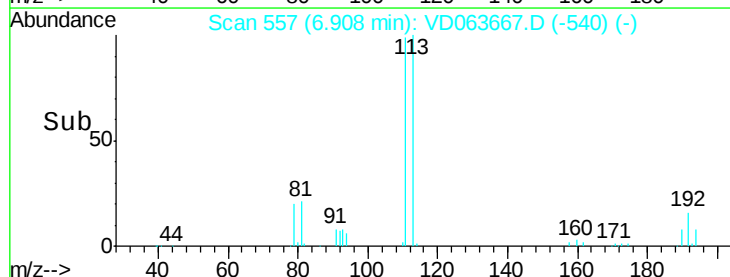
192 16.3 13.1 19.7

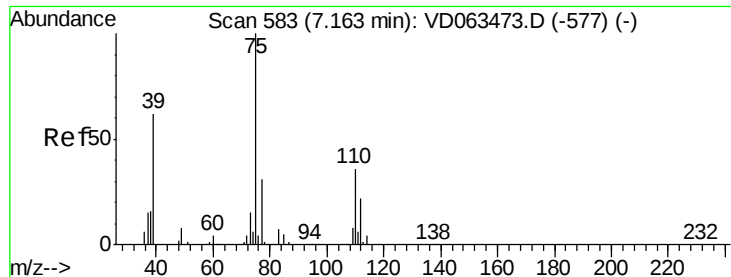


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

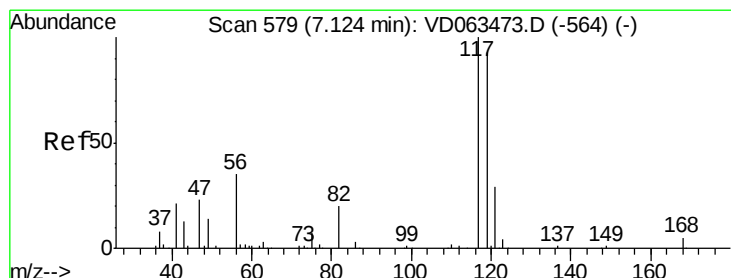
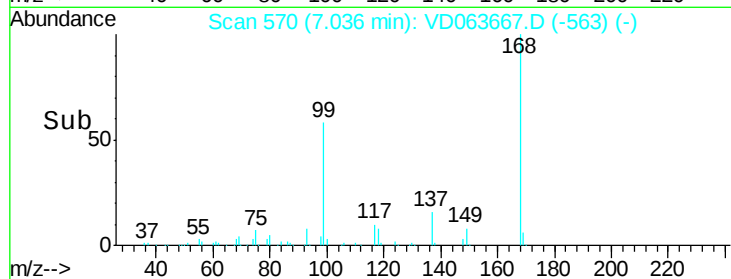
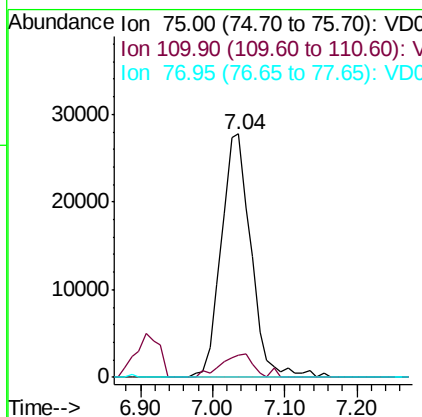
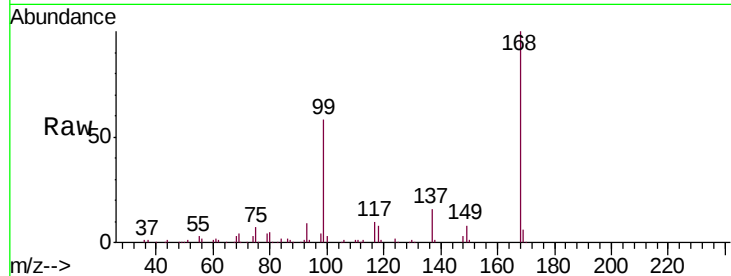




#36
 1,1-Dichloropropene
 Concen: 5.897 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD063667.D
 Acq: 19 Aug 2019 19:34

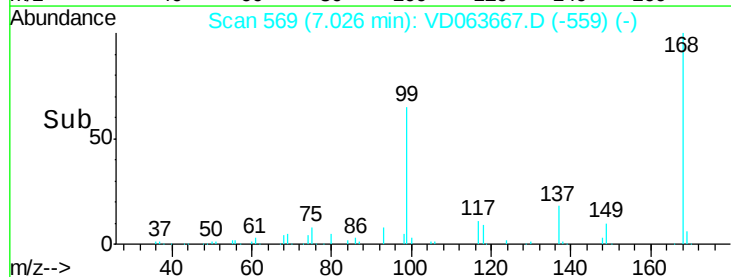
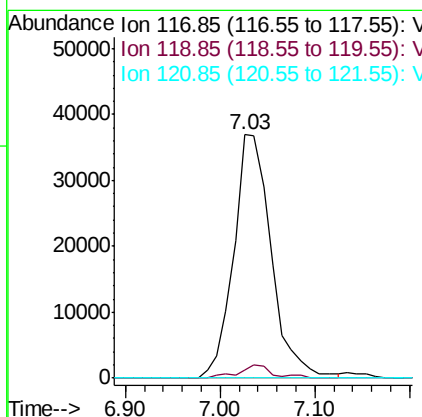
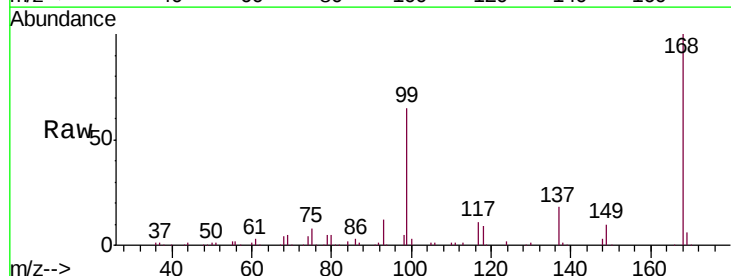
Instrument :
 MSVOA_D
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 T8-A1-(0)RE

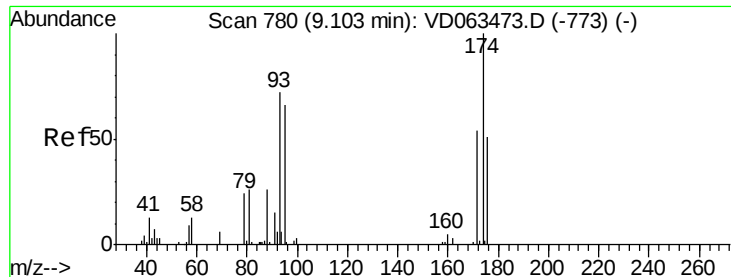
Tgt Ion: 75 Resp: 79194
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.6 52.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.023 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD063667.D
 Acq: 19 Aug 2019 19:34

Tgt Ion: 117 Resp: 101659
 Ion Ratio Lower Upper
 117 100
 119 3.4 74.2 111.2#
 121 0.0 23.1 34.7#





#49

1,4-Dioxane

Concen: 28.736 ug/l

RT: 8.99 min Scan# 769

Delta R.T. -0.11 min

Lab File: VD063667.D

Acq: 19 Aug 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

T8-A1-(0)RE

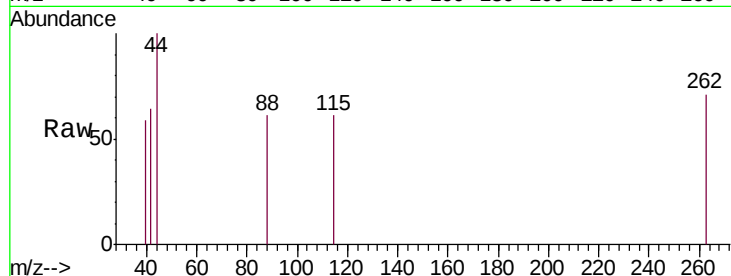
Tgt Ion: 88 Resp: 187

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

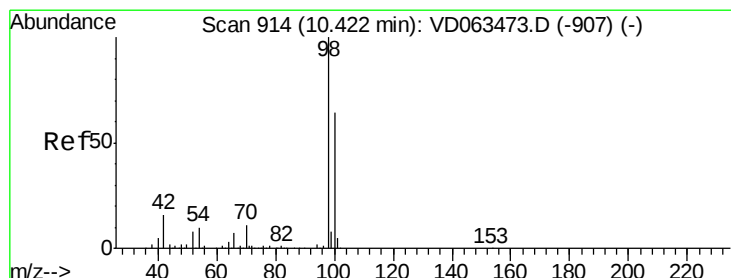
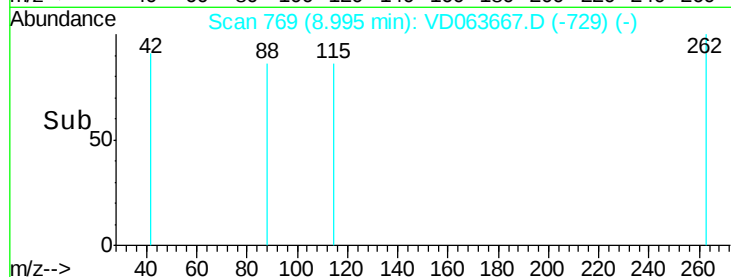
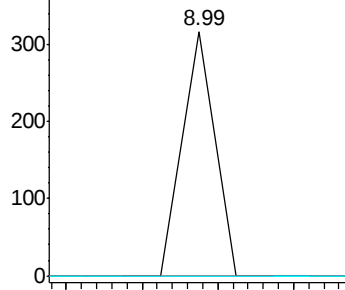
58 0.0 40.1 60.1#



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



#50

Toluene-d8

Concen: 44.484 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063667.D

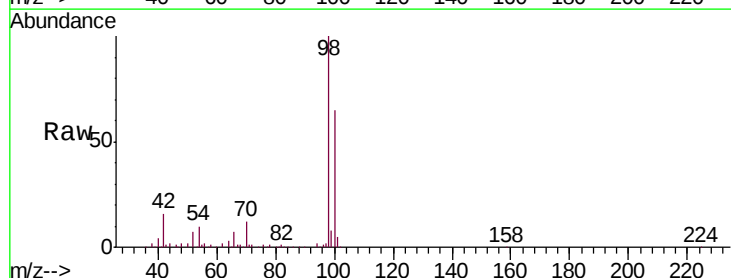
Acq: 19 Aug 2019 19:34

Tgt Ion: 98 Resp: 1251332

Ion Ratio Lower Upper

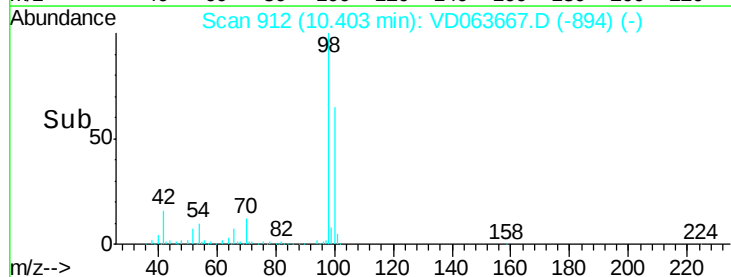
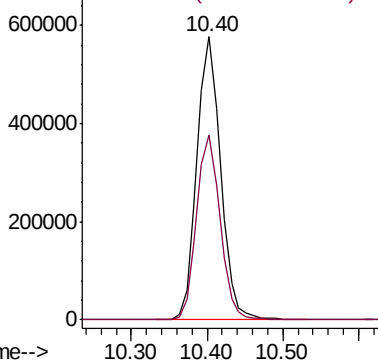
98 100

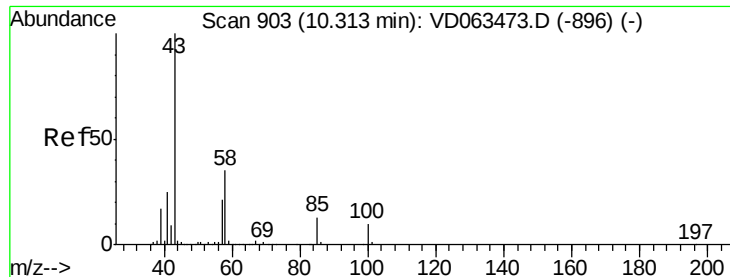
100 65.4 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.489 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.08 min

Lab File: VD063667.D

Acq: 19 Aug 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

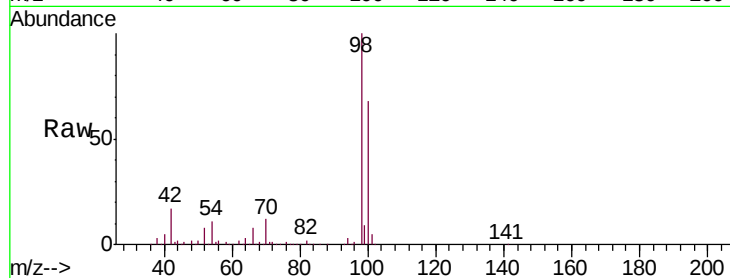
T8-A1-(0)RE

Tgt Ion: 43 Resp: 7681

Ion Ratio Lower Upper

43 100

58 89.9 28.0 42.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

6000

5000

4000

3000

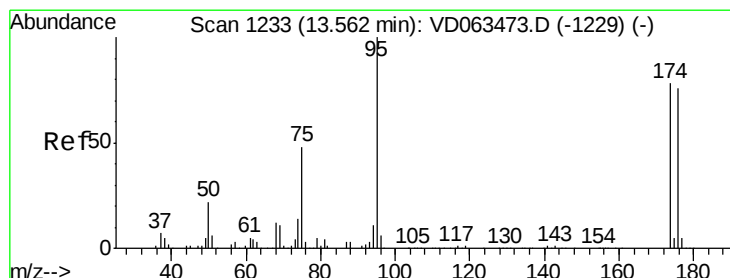
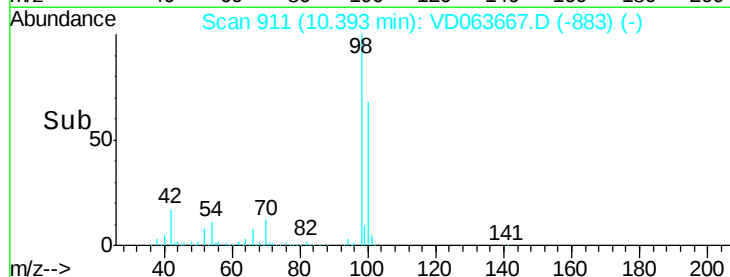
2000

1000

0

10.35 10.40 10.45

Time-->



#62

4-Bromofluorobenzene

Concen: 32.232 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063667.D

Acq: 19 Aug 2019 19:34

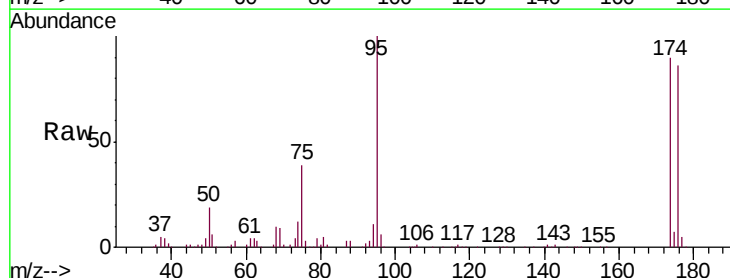
Tgt Ion: 95 Resp: 410943

Ion Ratio Lower Upper

95 100

174 90.3 0.0 155.4

176 85.9 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

400000

300000

200000

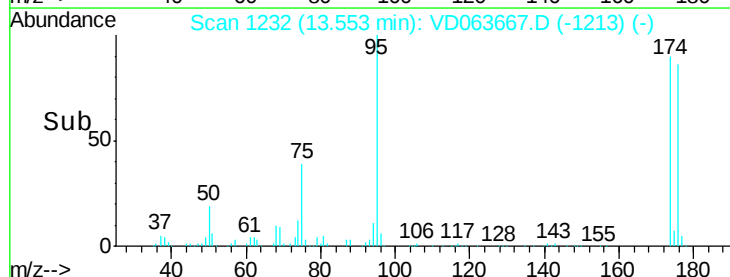
100000

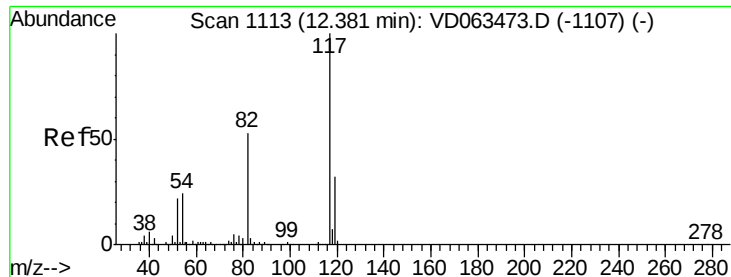
0

13.55

13.50 13.60

Time-->

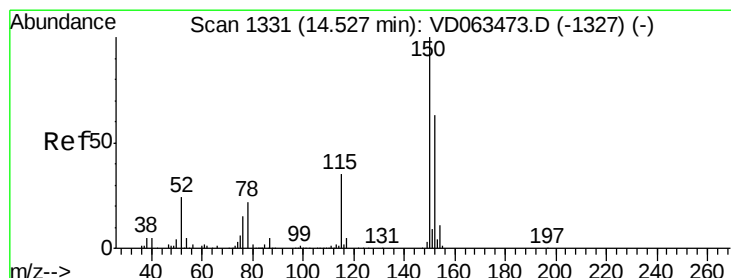
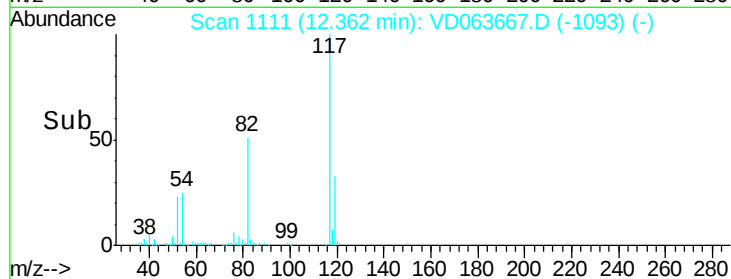
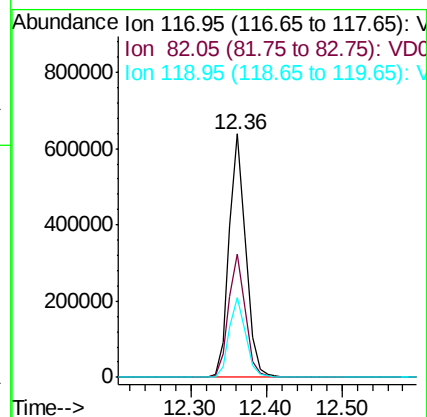
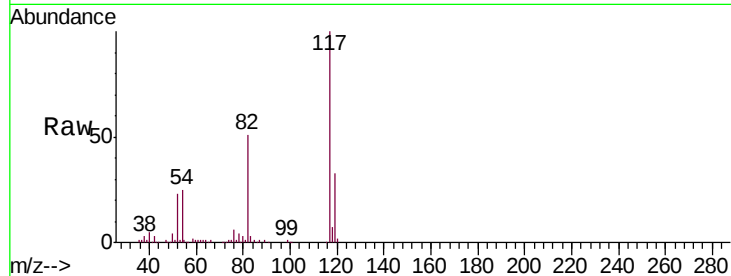




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063667.D
Acq: 19 Aug 2019 19:34

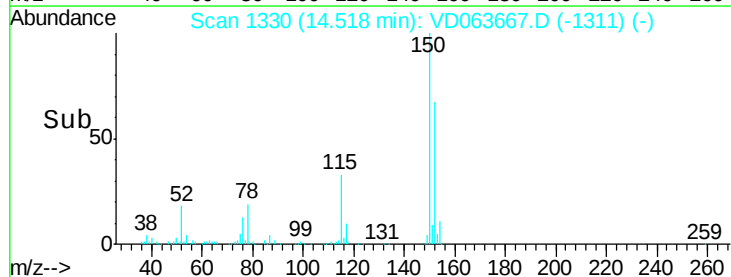
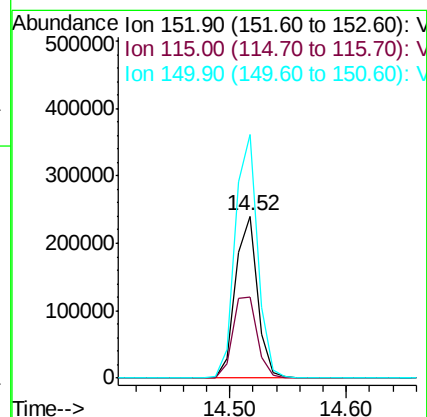
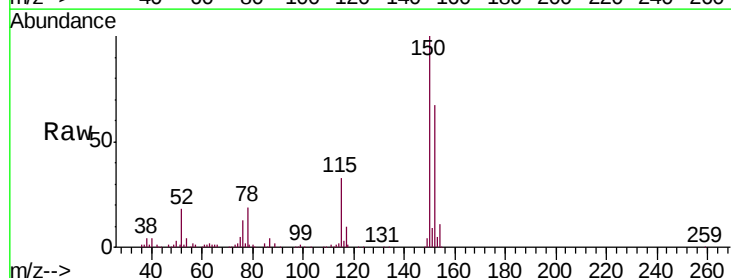
Instrument :
MSVOA_D
ClientSampleId :
T8-A1-(0)RE

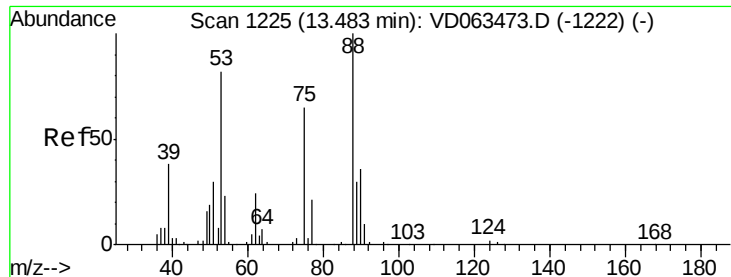
Tgt Ion:117 Resp: 977614
Ion Ratio Lower Upper
117 100
82 50.9 42.0 63.0
119 32.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063667.D
Acq: 19 Aug 2019 19:34

Tgt Ion:152 Resp: 316666
Ion Ratio Lower Upper
152 100
115 49.8 30.9 92.7
150 150.2 0.0 318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 178.309 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063667.D

Acq: 19 Aug 2019 19:34

Instrument :

MSVOA_D

ClientSampleId :

T8-A1-(0)RE

Tgt Ion: 75 Resp: 174172

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#

