

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062902.D
 Acq On : 26 Jun 2019 4:24
 Operator : VA/AP
 Sample : K3528-07
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-09-9.5-10.0

Quant Time: Jun 26 05:39:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

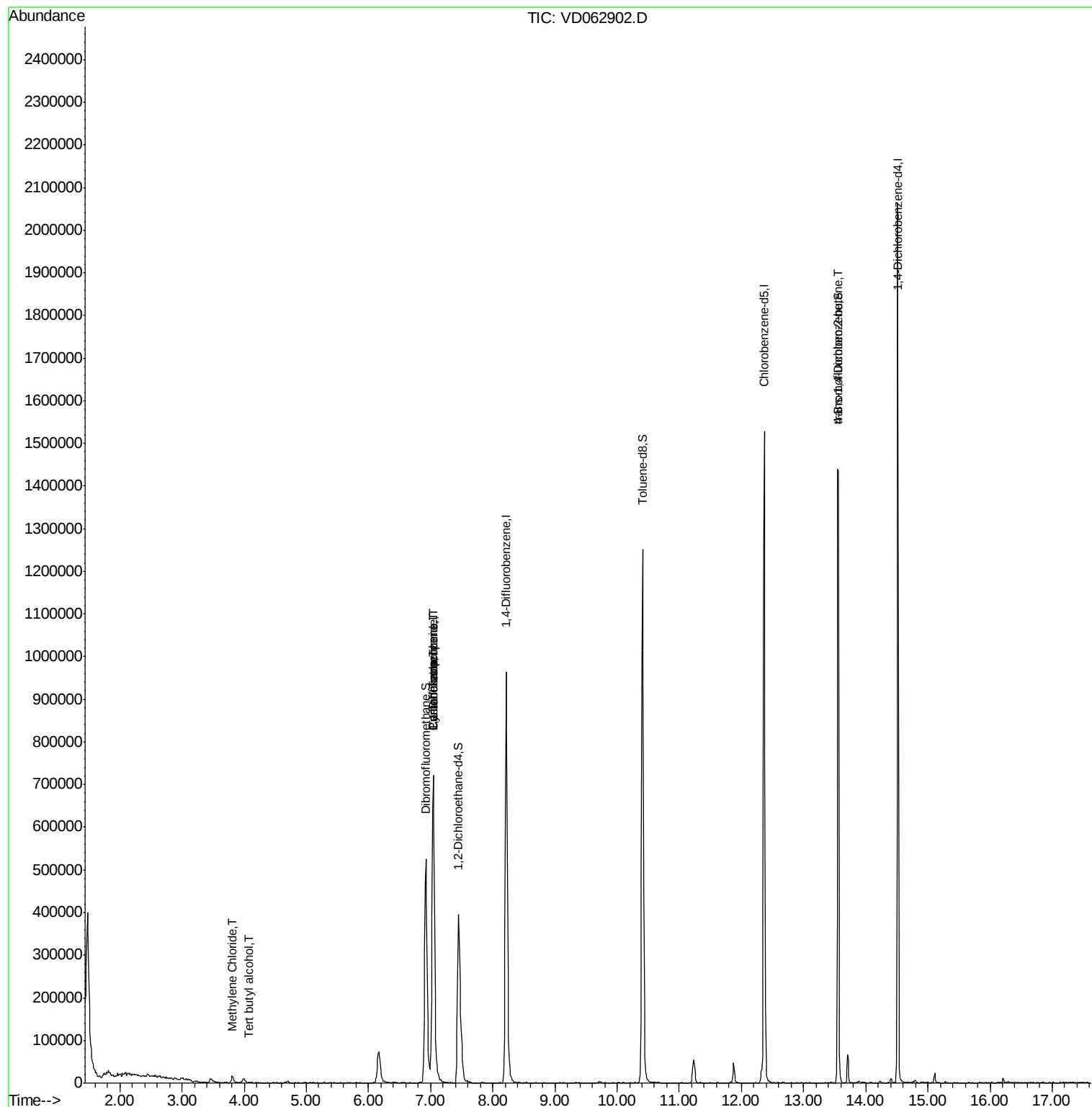
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	676483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	984345	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	793637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	405336	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	427202	58.10	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	116.20%	
35) Dibromofluoromethane	6.92	113	457579	55.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.26%	
50) Toluene-d8	10.41	98	954696	52.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.70%	
62) 4-Bromofluorobenzene	13.55	95	434685	52.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.84%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.08	59	504	1.505	ug/l #	77
16) Acetone	3.22	43	7429	Below Cal	#	93
20) Methylene Chloride	3.81	84	9112	1.625	ug/l #	63
31) Cyclohexane	7.04	56	17740	2.569	ug/l #	19
36) 1,1-Dichloropropene	7.04	75	55017	5.904	ug/l #	52
38) Carbon Tetrachloride	7.04	117	70739	5.048	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	221193	180.363	ug/l #	2

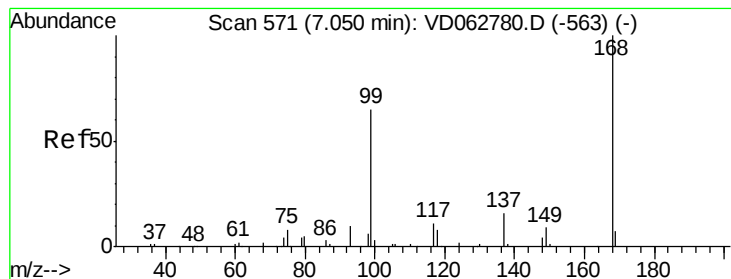
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 26 05:39:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD062902.D

Acq: 26 Jun 2019 4:24

Instrument :

MSVOA_D

ClientSampleId :

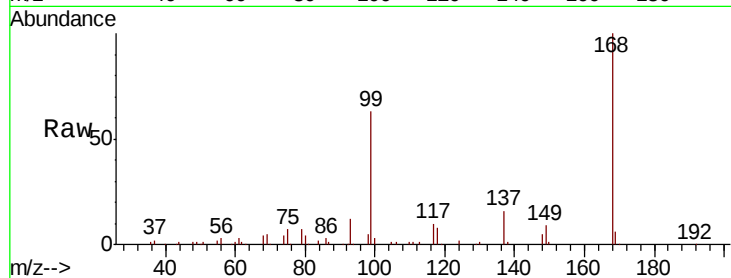
SB-09-9.5-10.0

Tot Ion:168 Resp: 676483

Ion Ratio Lower Upper

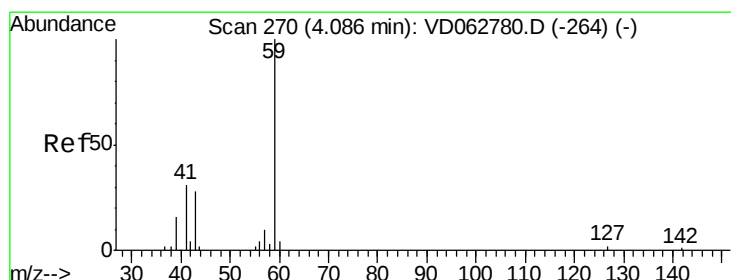
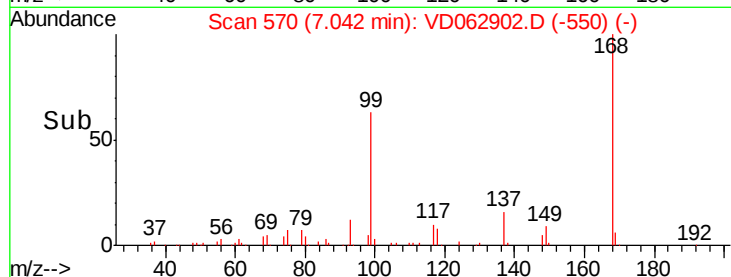
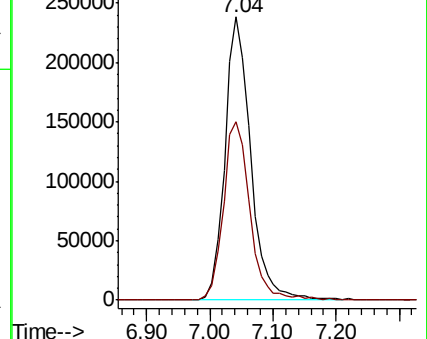
168 100

99 62.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.505 ug/l

RT: 4.08 min Scan# 269

Delta R.T. -0.01 min

Lab File: VD062902.D

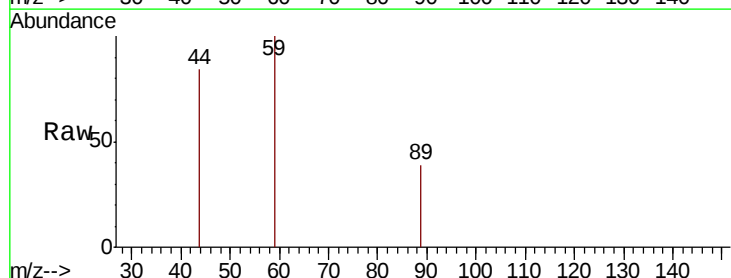
Acq: 26 Jun 2019 4:24

Tgt Ion: 59 Resp: 504

Ion Ratio Lower Upper

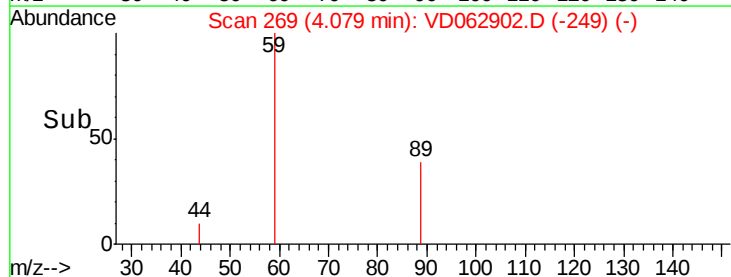
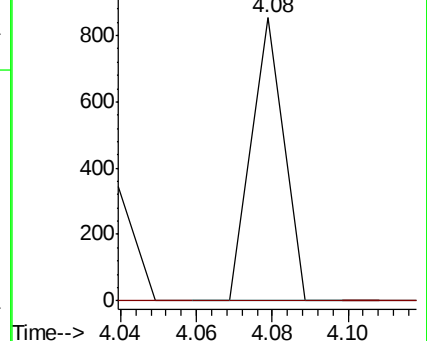
59 100

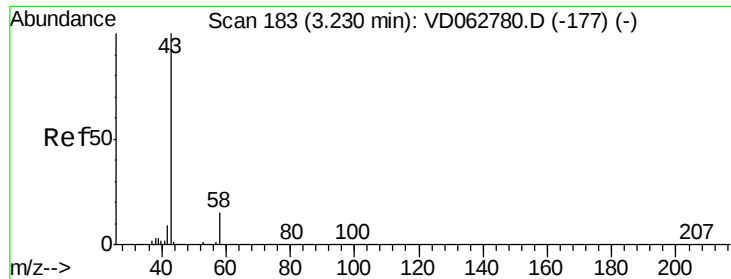
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: Below Cal

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062902.D

Acq: 26 Jun 2019 4:24

Instrument :

MSVOA_D

ClientSampleId :

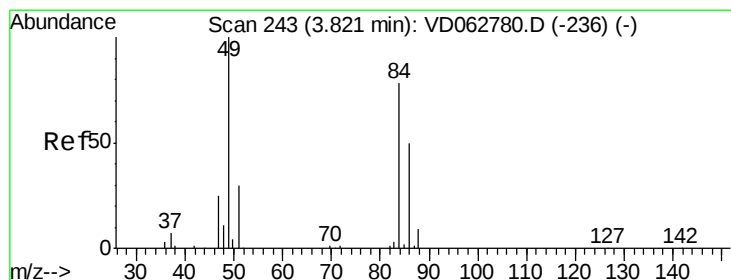
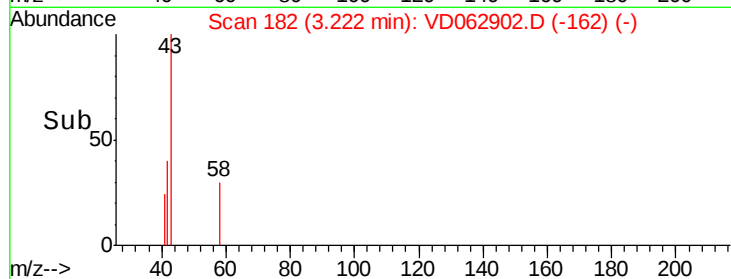
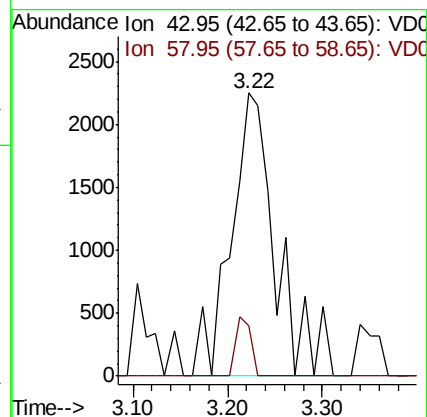
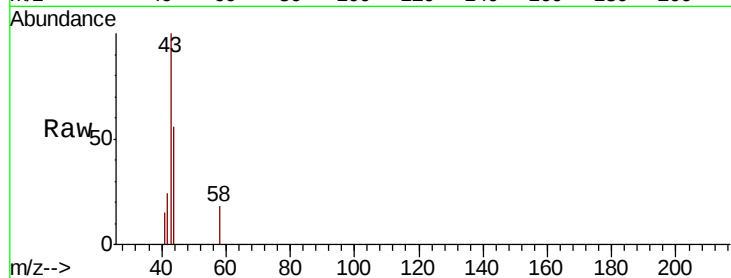
SB-09-9.5-10.0

Tot Ion: 43 Resp: 7429

Ion Ratio Lower Upper

43 100

58 18.0 11.9 17.9#



#20

Methylene Chloride

Concen: 1.625 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD062902.D

Acq: 26 Jun 2019 4:24

Tgt Ion: 84 Resp: 9112

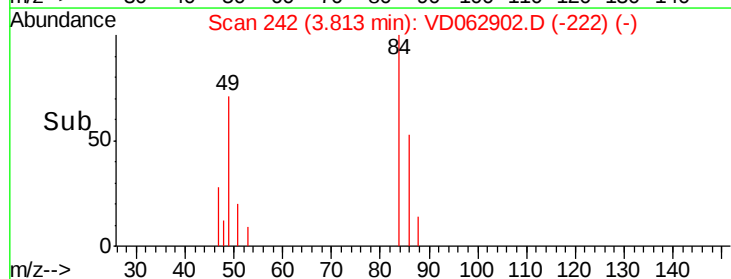
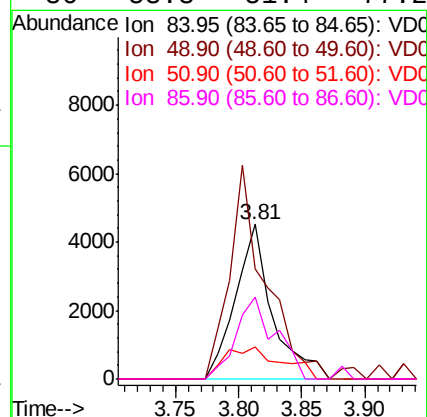
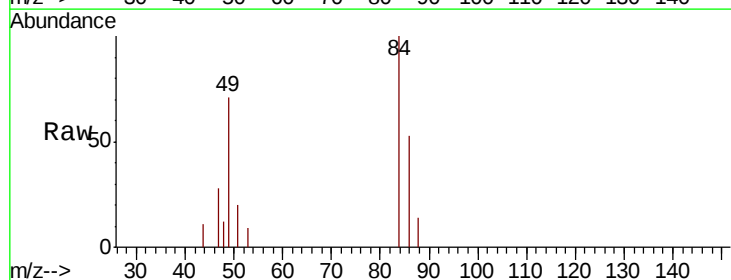
Ion Ratio Lower Upper

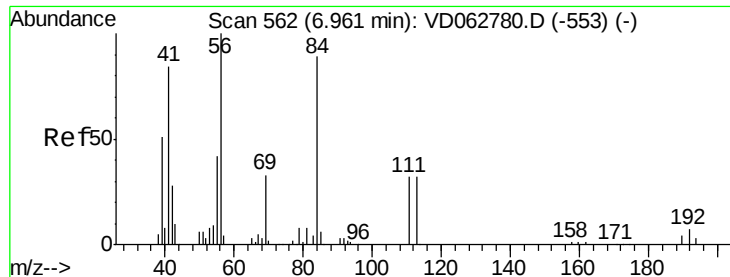
84 100

49 71.1 102.9 154.3#

51 20.4 31.2 46.8#

86 53.3 51.4 77.2





#31

Cyclohexane

Concen: 2.569 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD062902.D

Acq: 26 Jun 2019 4:24

Instrument :

MSVOA_D

ClientSampleId :

SB-09-9.5-10.0

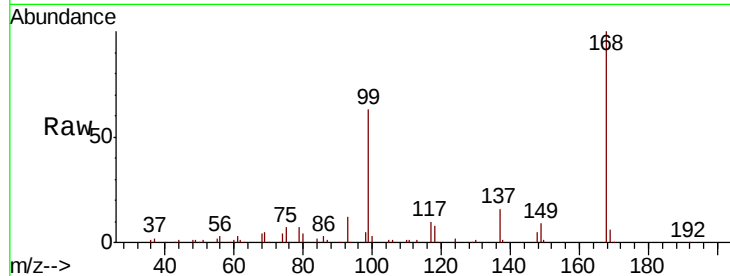
Tot Ion: 56 Resp: 17740

Ion Ratio Lower Upper

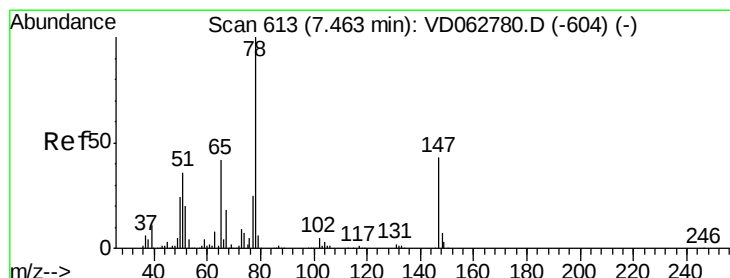
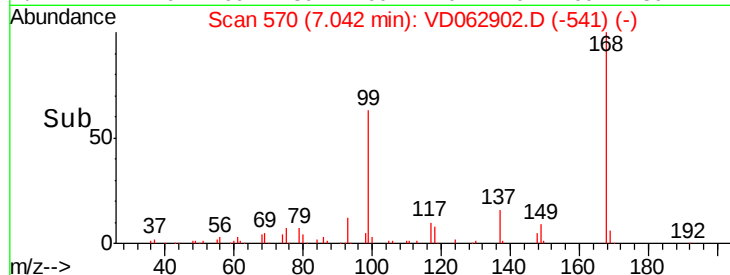
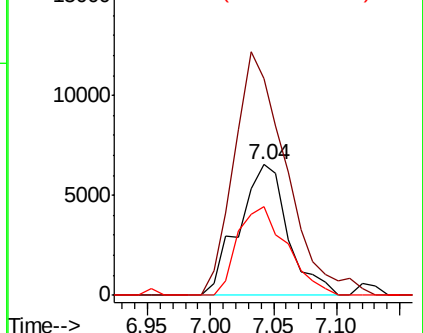
56 100

69 165.9 26.6 39.8#

84 68.3 75.5 113.3#



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: 58.097 ug/l

RT: 7.45 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD062902.D

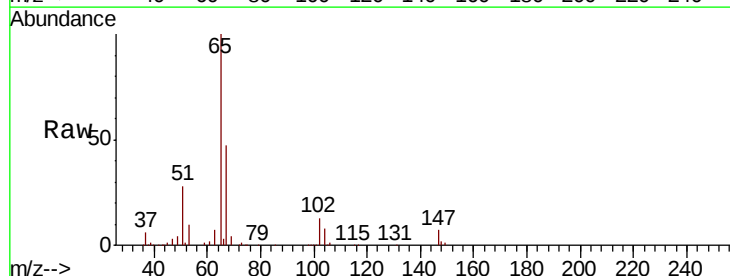
Acq: 26 Jun 2019 4:24

Tgt Ion: 65 Resp: 427202

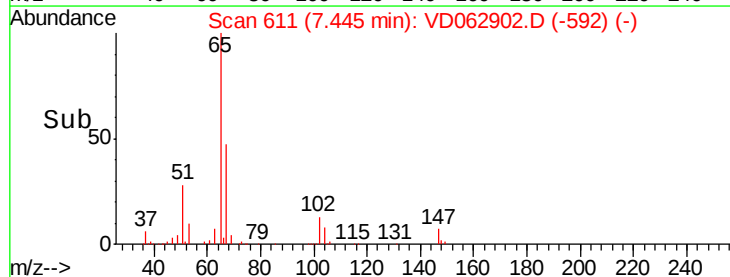
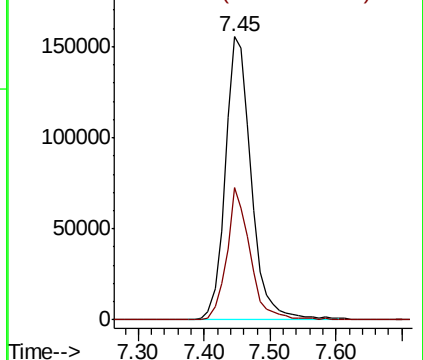
Ion Ratio Lower Upper

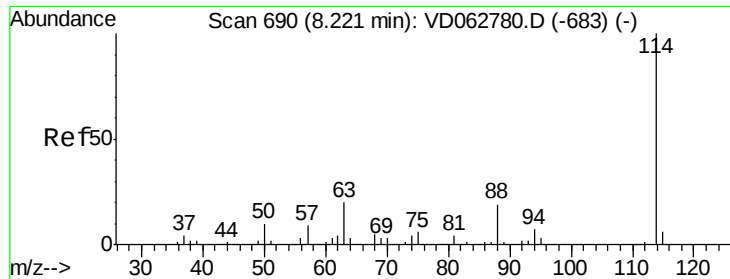
65 100

67 46.6 0.0 87.4



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. -0.01 min

Lab File: VD062902.D

Acq: 26 Jun 2019 4:24

Instrument :

MSVOA_D

ClientSampleId :

SB-09-9.5-10.0

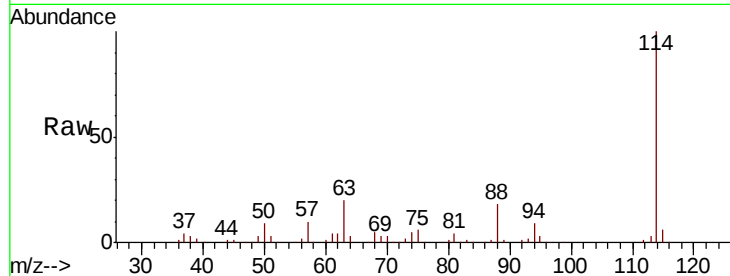
Tot Ion:114 Resp: 984345

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

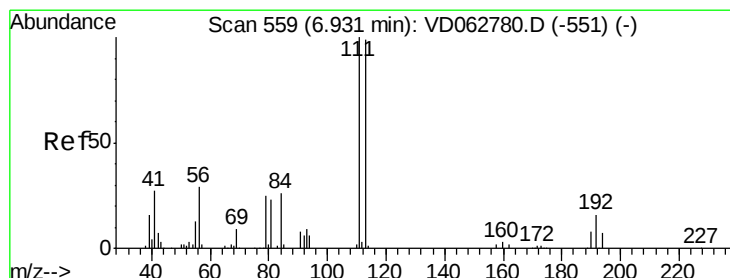
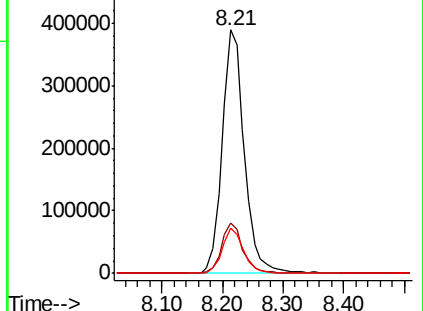
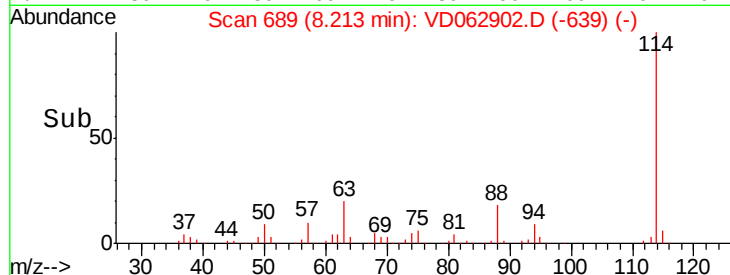
88 18.5 0.0 38.8



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: 55.130 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD062902.D

Acq: 26 Jun 2019 4:24

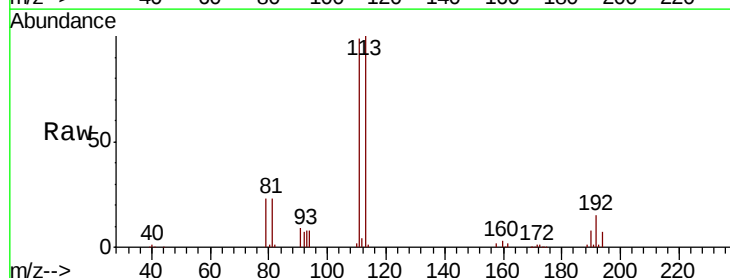
Tgt Ion:113 Resp: 457579

Ion Ratio Lower Upper

113 100

111 98.6 81.2 121.8

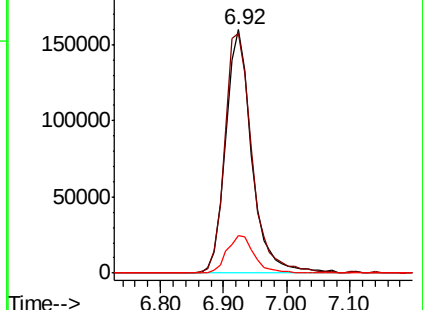
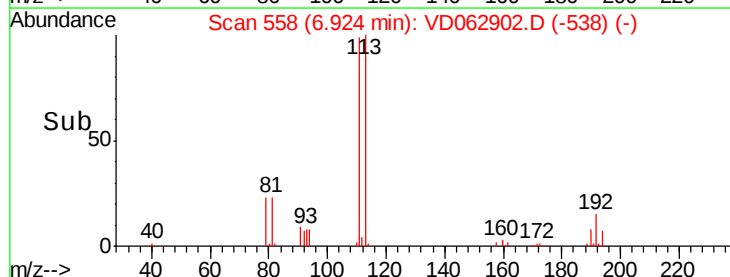
192 15.4 12.9 19.3

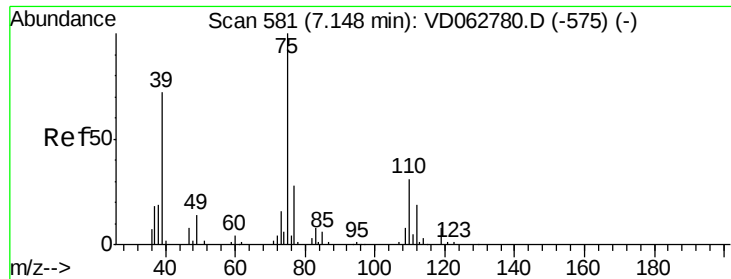


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

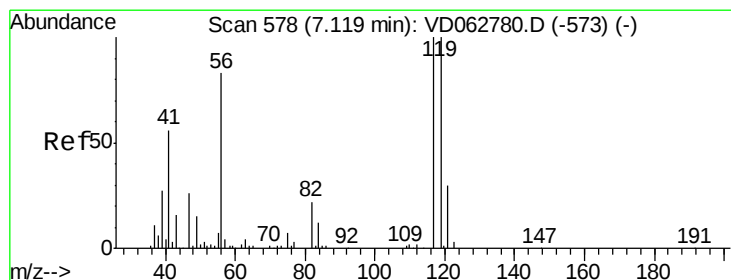
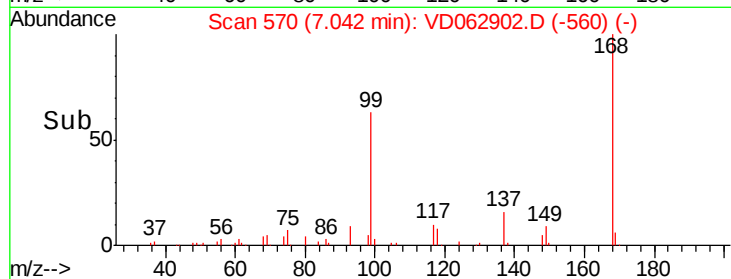
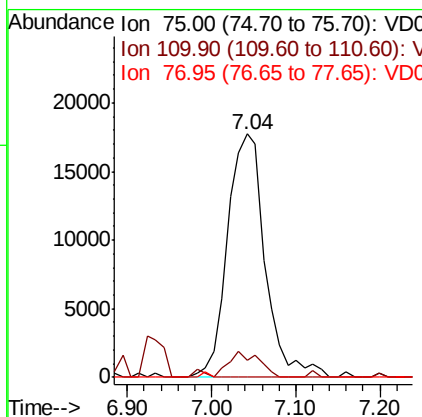
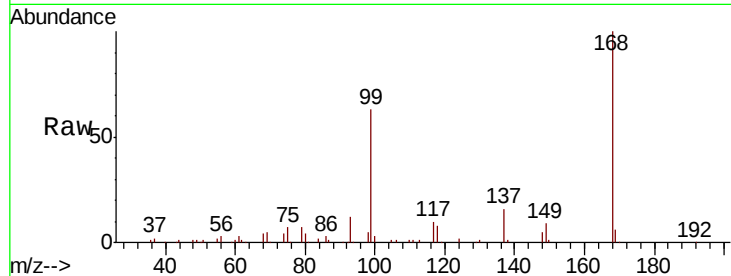




#36
 1,1-Dichloropropene
 Concen: 5.904 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD062902.D
 Acq: 26 Jun 2019 4:24

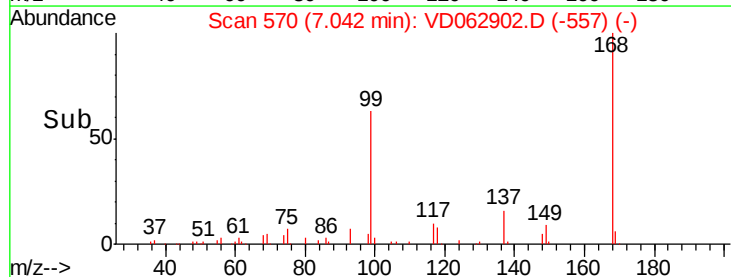
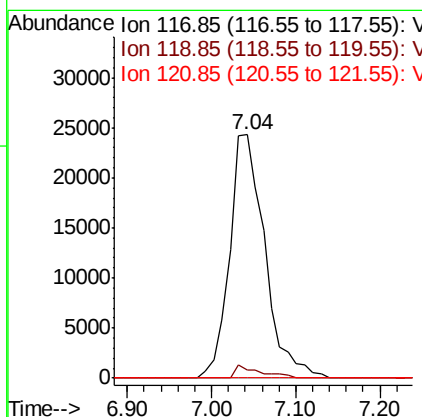
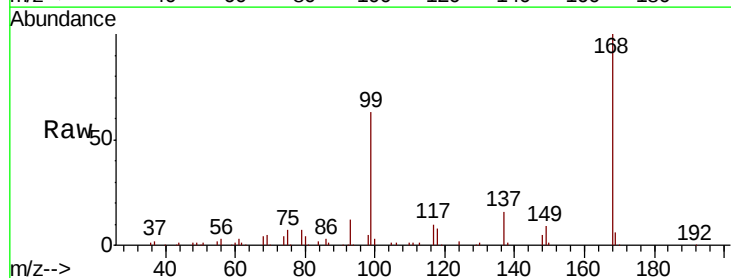
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-09-9.5-10.0

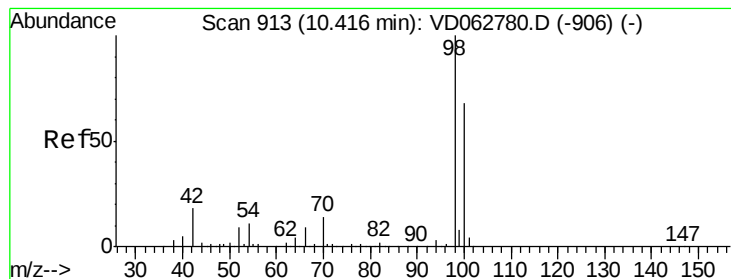
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.0	15.0	45.1#
77	0.0	22.2	33.2#



#38
 Carbon Tetrachloride
 Concen: 5.048 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD062902.D
 Acq: 26 Jun 2019 4:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.4	75.4	113.2#
121	0.0	22.3	33.5#





#50

Toluene-d8

Concen: 52.849 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD062902.D

Acq: 26 Jun 2019 4:24

Instrument :

MSVOA_D

ClientSampleId :

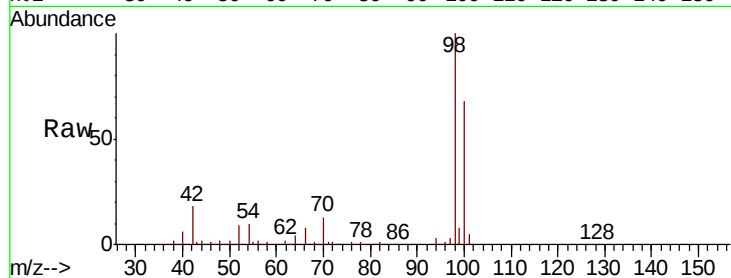
SB-09-9.5-10.0

Tot Ion: 98 Resp: 954696

Ion Ratio Lower Upper

98 100

100 67.9 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VD062780.D (-906) (-)

Ion 100.05 (99.75 to 100.75): VD062902.D (-892) (-)

10.41

400000

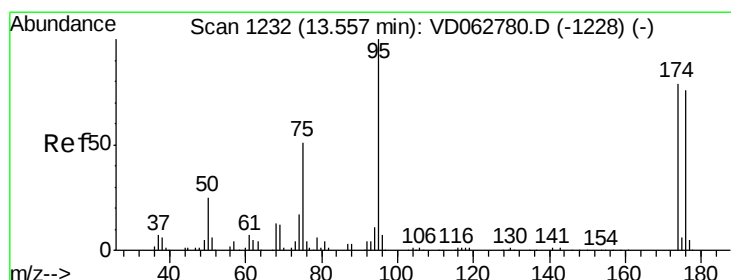
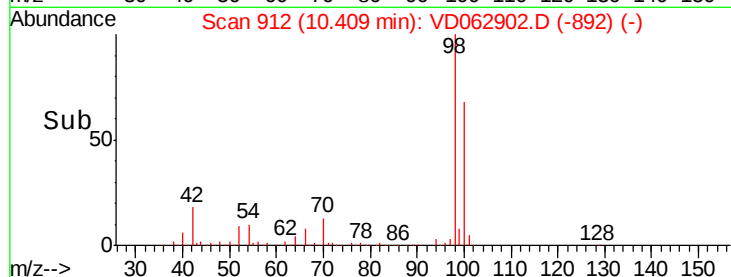
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.920 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062902.D

Acq: 26 Jun 2019 4:24

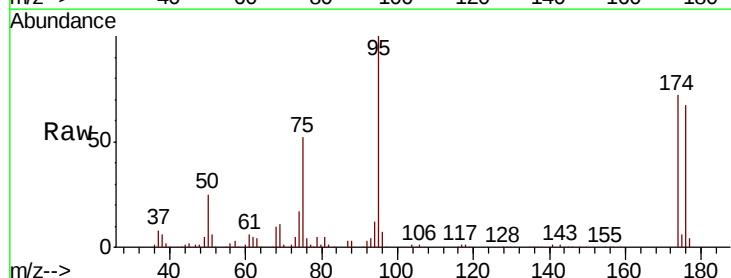
Tgt Ion: 95 Resp: 434685

Ion Ratio Lower Upper

95 100

174 72.1 0.0 158.0

176 66.8 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): VD062780.D (-1228) (-)

Ion 173.90 (173.60 to 174.60): VD062902.D (-1211) (-)

Ion 175.90 (175.60 to 176.60): VD062902.D (-1211) (-)

13.55

400000

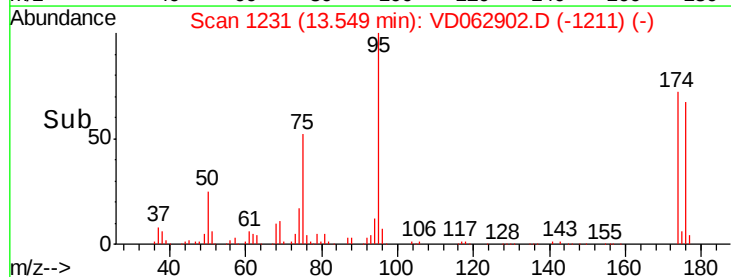
300000

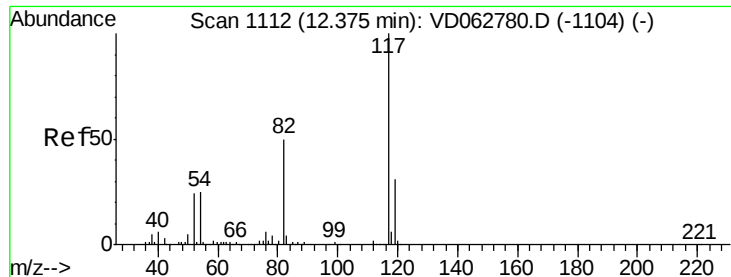
200000

100000

0

Time-->

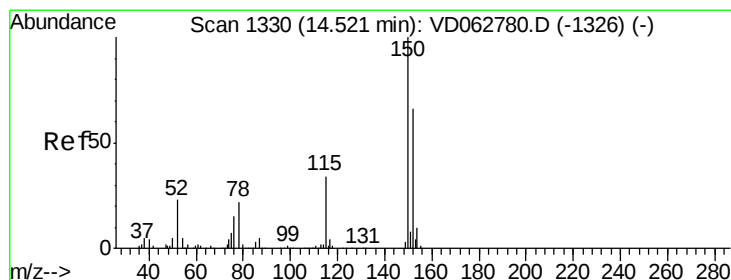
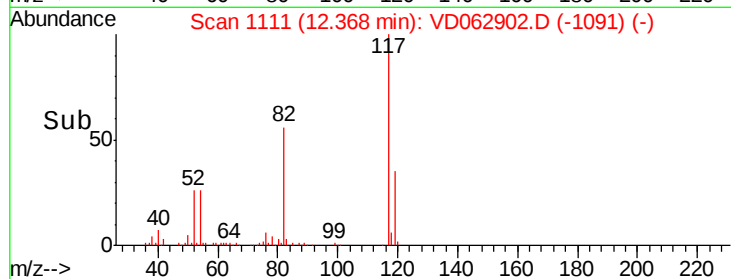
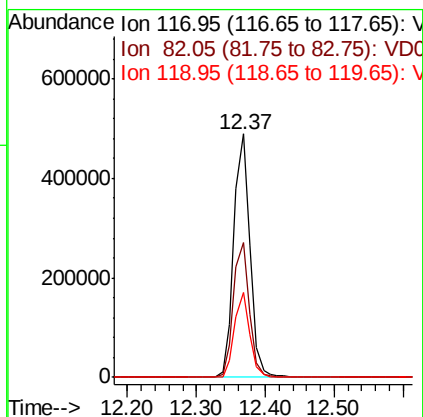
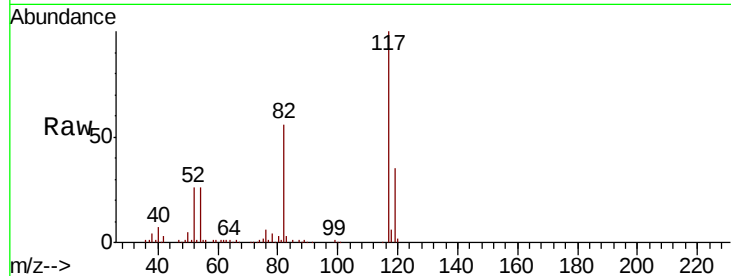




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062902.D
Acq: 26 Jun 2019 4:24

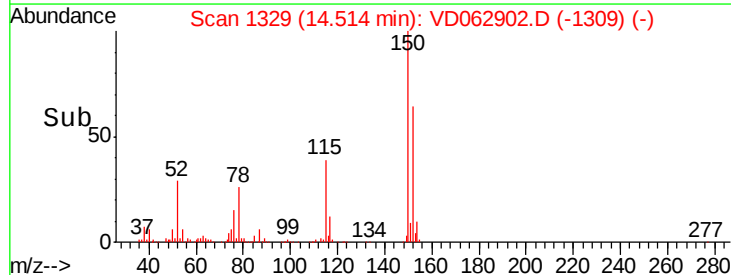
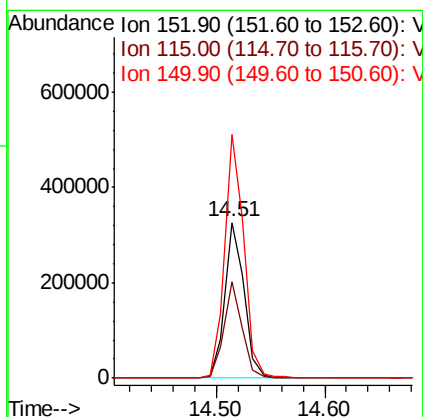
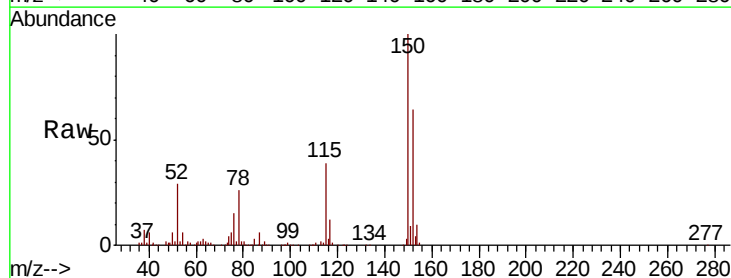
Instrument :
MSVOA_D
ClientSampleId :
SB-09-9.5-10.0

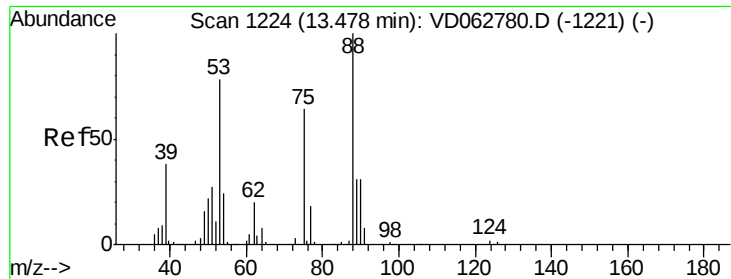
Tot Ion:117 Resp: 793637
Ion Ratio Lower Upper
117 100
82 55.5 40.4 60.6
119 34.9 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062902.D
Acq: 26 Jun 2019 4:24

Tgt Ion:152 Resp: 405336
Ion Ratio Lower Upper
152 100
115 61.7 29.2 87.6
150 156.6 0.0 305.8





#81

trans-1,4-Dichloro-2-butene

Concen: 180.363 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062902.D

Acq: 26 Jun 2019 4:24

Instrument :

MSVOA_D

ClientSampleId :

SB-09-9.5-10.0

Tot Ion: 75 Resp: 221193

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

