

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062851.D
 Acq On : 24 Jun 2019 20:09
 Operator : VA/AP
 Sample : K3500-08
 Misc : 4.80µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-8(9-10)

Quant Time: Jun 25 05:05:35 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	7.05	168	596080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	807423	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	679375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	331969	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	394752	60.93	ug/l	0.00
Spiked Amount			Recovery	=	121.86%	
35) Dibromofluoromethane	6.93	113	410964	60.36	ug/l	0.00
Spiked Amount			Recovery	=	120.72%	
50) Toluene-d8	10.41	98	860750	58.09	ug/l	0.00
Spiked Amount			Recovery	=	116.18%	
62) 4-Bromofluorobenzene	13.56	95	377087	55.97	ug/l	0.00
Spiked Amount			Recovery	=	111.94%	

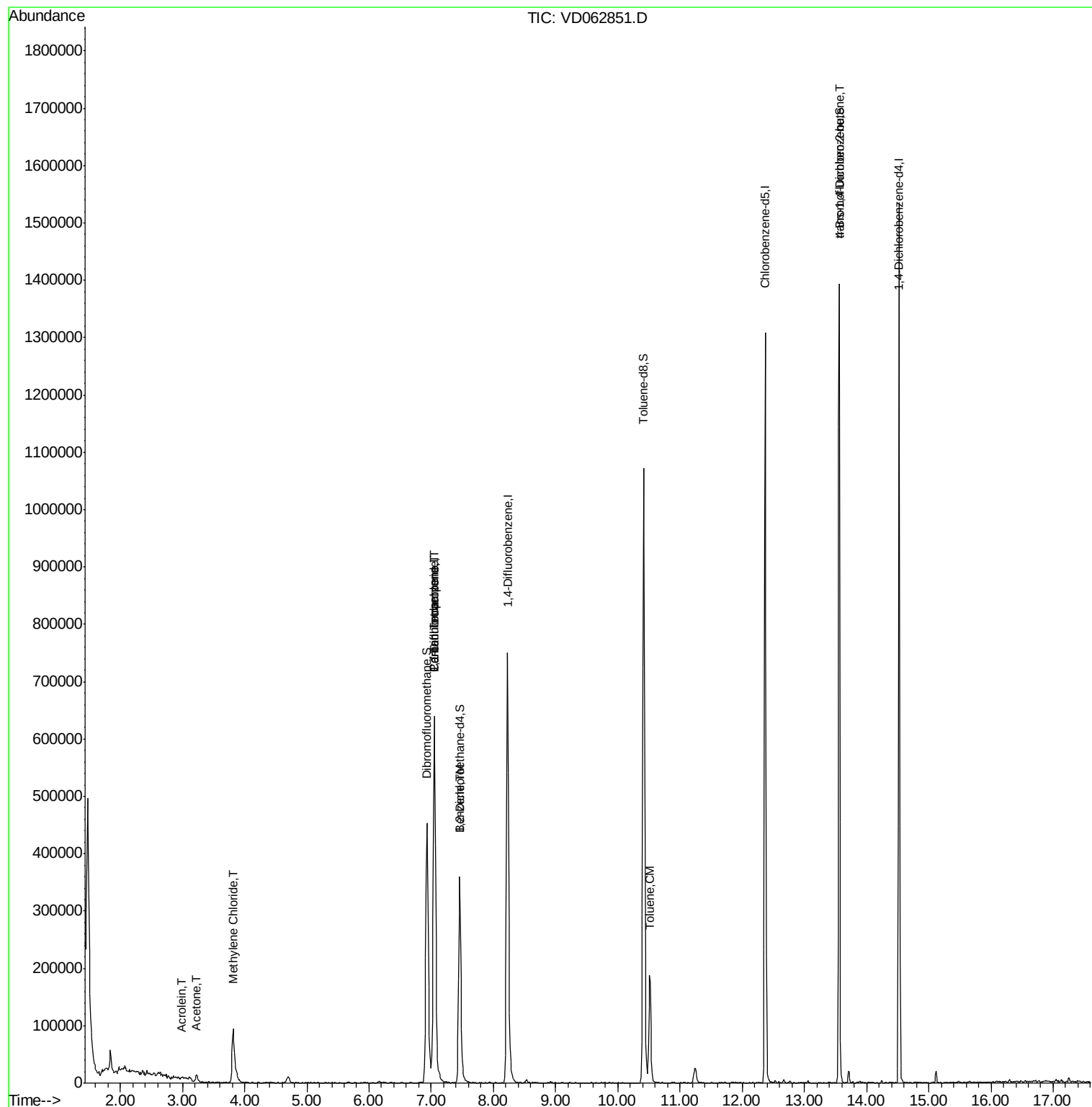
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.98	56	680	2.257	ug/l #	62
16) Acetone	3.23	43	24055	11.637	ug/l	97
20) Methylene Chloride	3.82	84	57934	11.724	ug/l	93
36) 1,1-Dichloropropene	7.05	75	47964	6.275	ug/l #	53
37) Ethyl Acetate	6.29	43	185	Below Cal	#	69
38) Carbon Tetrachloride	7.06	117	60820	5.291	ug/l #	15
40) Benzene	7.47	78	16261	1.060	ug/l	91
52) Toluene	10.52	92	90705	8.795	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.56	75	190960	190.124	ug/l #	2

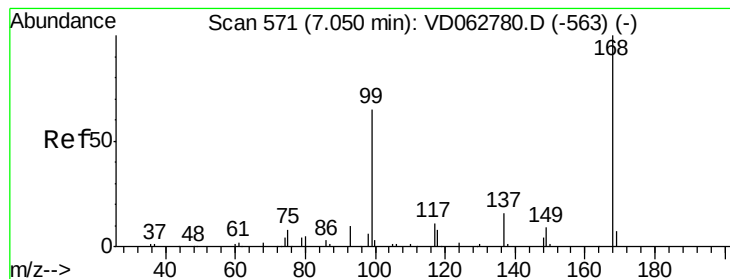
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B-8(9-10)

Quant Time: Jun 25 05:05:35 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: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD062851.D

Acq: 24 Jun 2019 20:09

Instrument :

MSVOA_D

ClientSampleId :

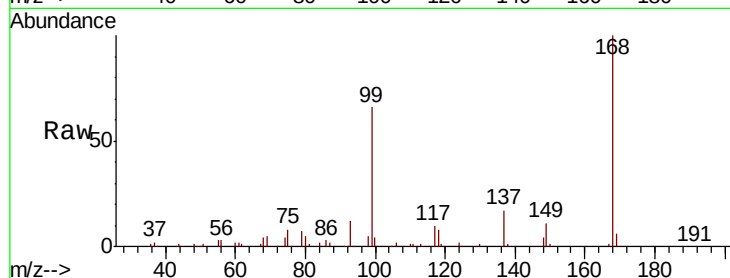
B-8(9-10)

Tot Ion:168 Resp: 596080

Ion Ratio Lower Upper

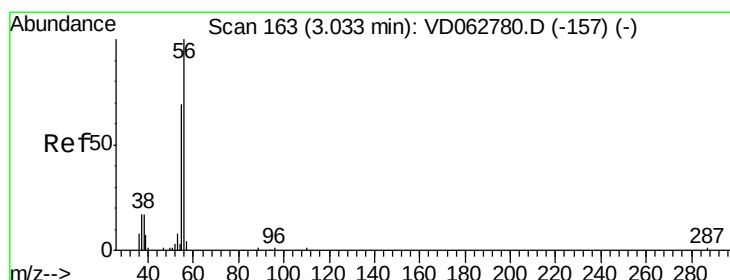
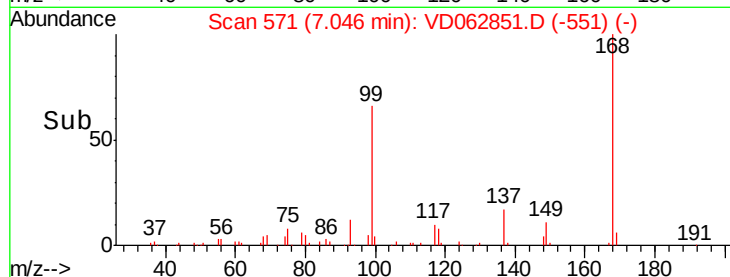
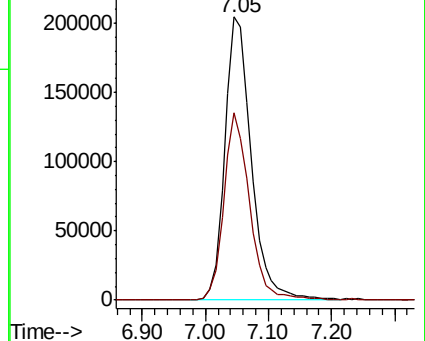
168 100

99 66.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#13

Acrolein

Concen: 2.257 ug/l

RT: 2.98 min Scan# 158

Delta R.T. -0.05 min

Lab File: VD062851.D

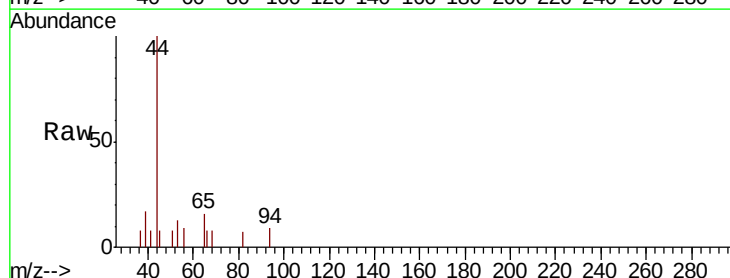
Acq: 24 Jun 2019 20:09

Tgt Ion: 56 Resp: 680

Ion Ratio Lower Upper

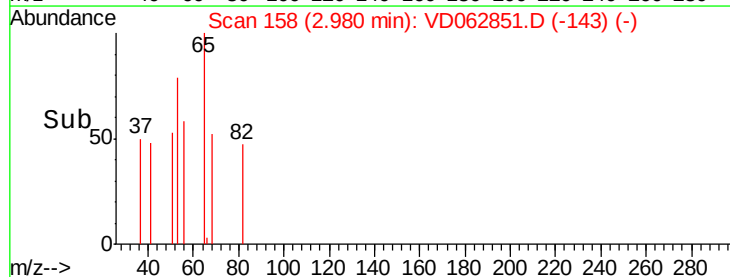
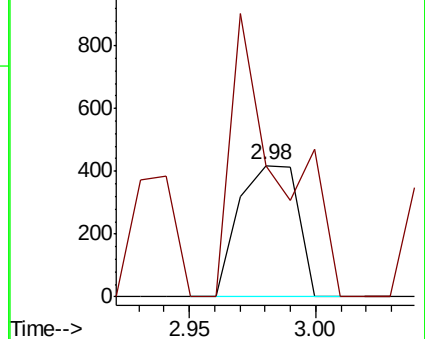
56 100

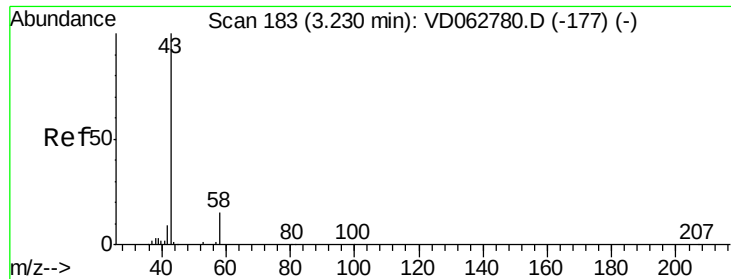
55 100.0 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 11.637 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062851.D

Acq: 24 Jun 2019 20:09

Instrument :

MSVOA_D

ClientSampleId :

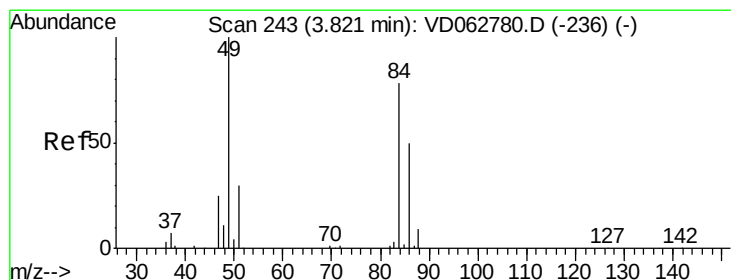
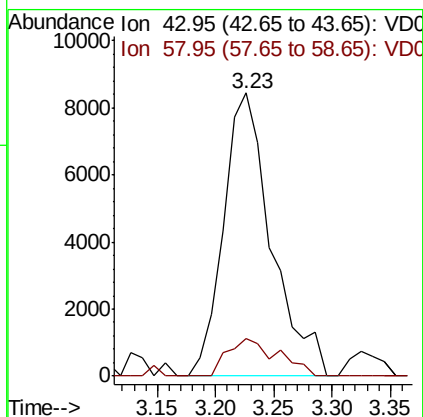
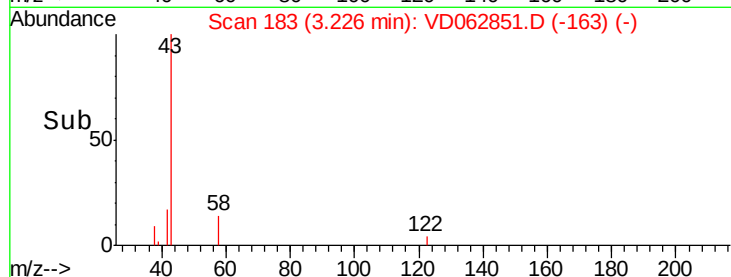
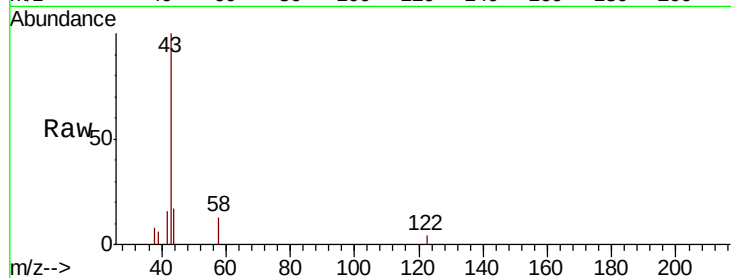
B-8(9-10)

Tot Ion: 43 Resp: 24055

Ion Ratio Lower Upper

43 100

58 13.5 11.9 17.9



#20

Methylene Chloride

Concen: 11.724 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD062851.D

Acq: 24 Jun 2019 20:09

Tgt Ion: 84 Resp: 57934

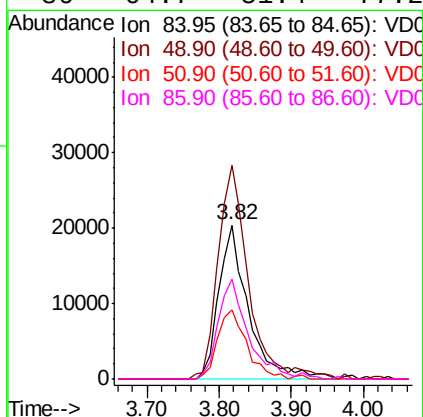
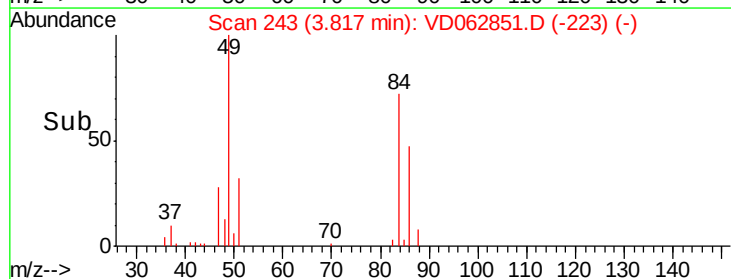
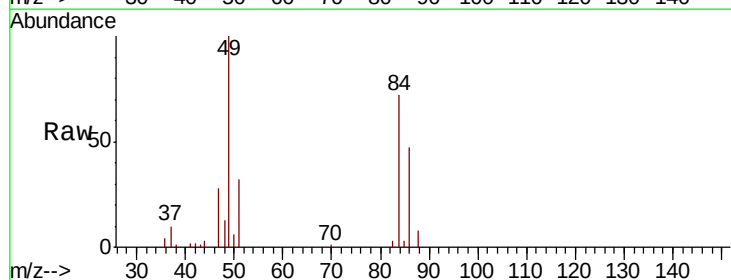
Ion Ratio Lower Upper

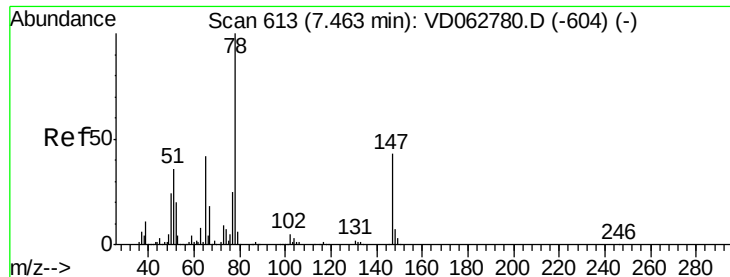
84 100

49 138.6 102.9 154.3

51 45.0 31.2 46.8

86 64.7 51.4 77.2





#33

1,2-Dichloroethane-d4

Concen: 60.925 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062851.D

Acq: 24 Jun 2019 20:09

Instrument :

MSVOA_D

ClientSampleId :

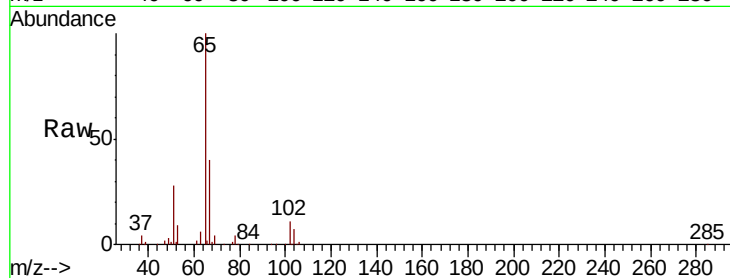
B-8(9-10)

Tot Ion: 65 Resp: 394752

Ion Ratio Lower Upper

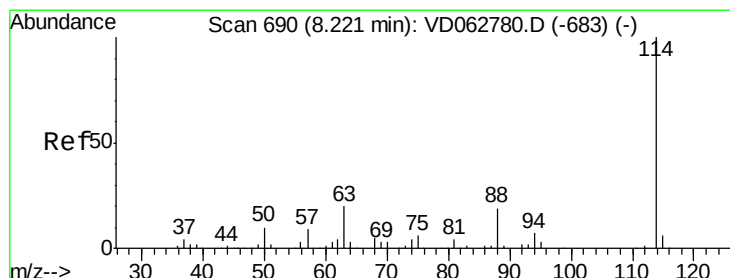
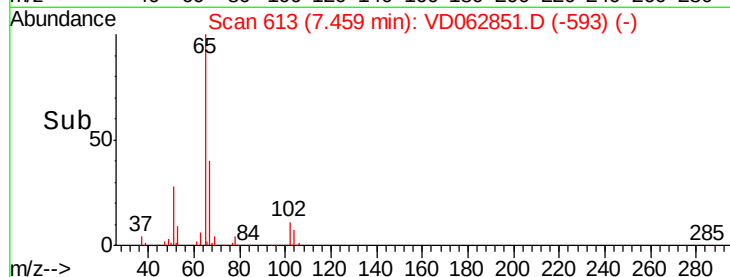
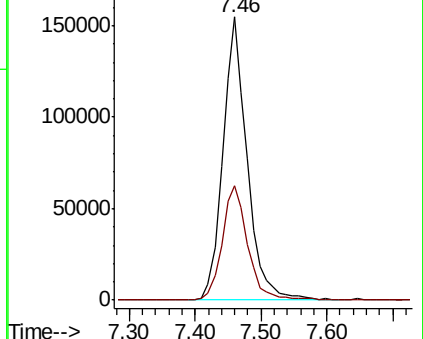
65 100

67 40.3 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: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062851.D

Acq: 24 Jun 2019 20:09

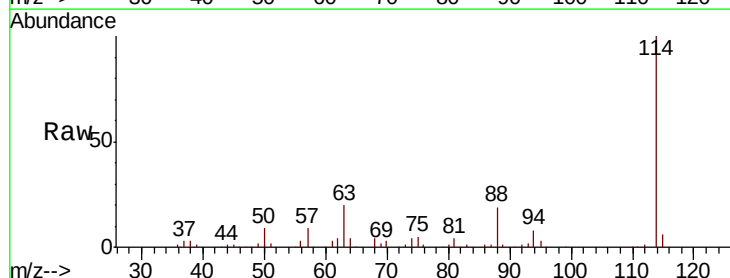
Tgt Ion: 114 Resp: 807423

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

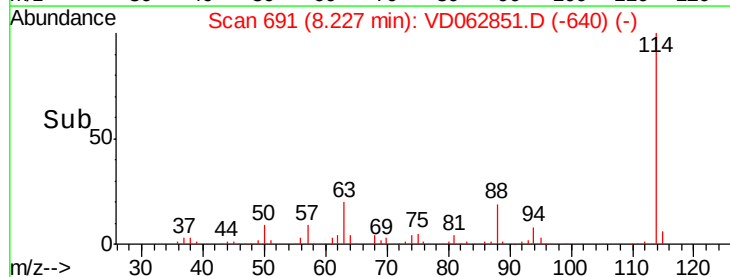
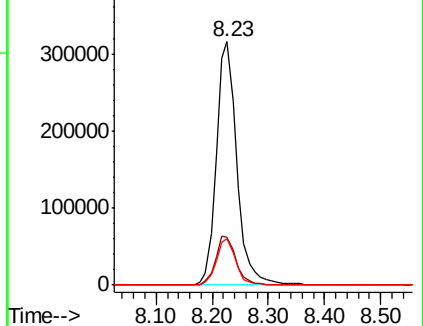
88 19.2 0.0 38.8

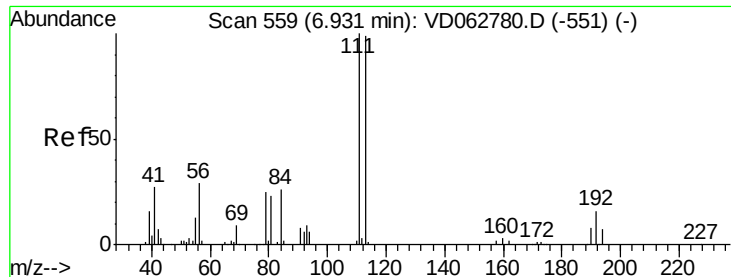


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

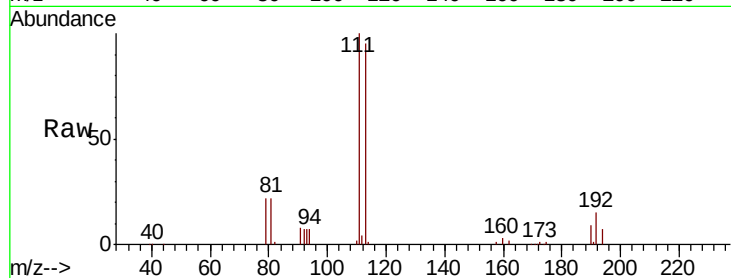




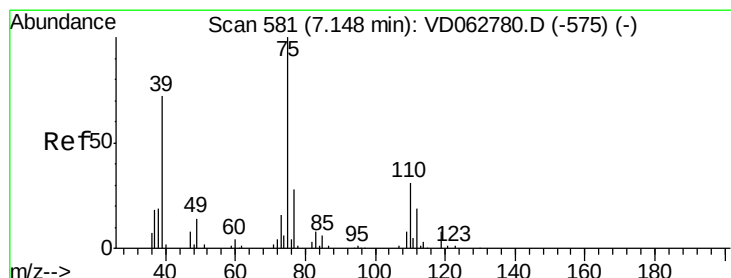
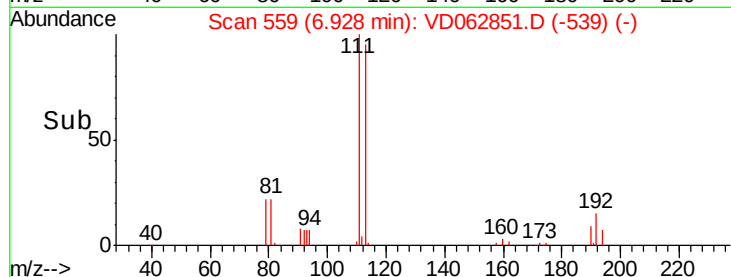
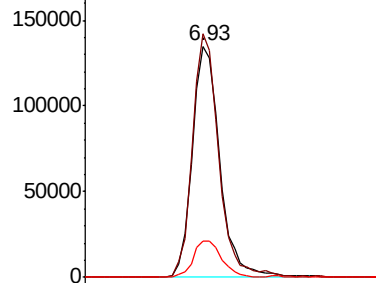
#35
Dibromofluoromethane
Concen: 60.363 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD062851.D
Acq: 24 Jun 2019 20:09

Instrument :
MSVOA_D
ClientSampleId :
B-8(9-10)

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.3	81.2	121.8
192	15.9	12.9	19.3

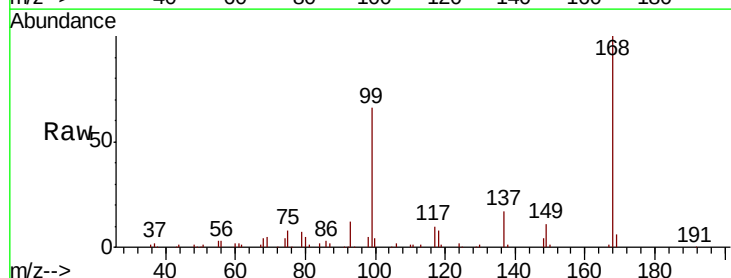


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

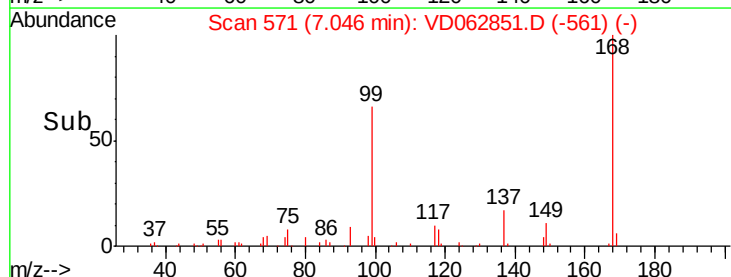
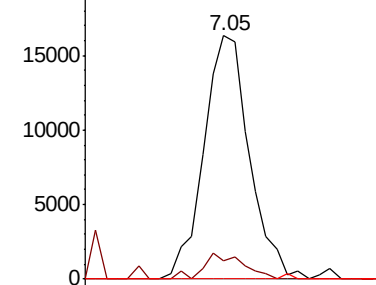


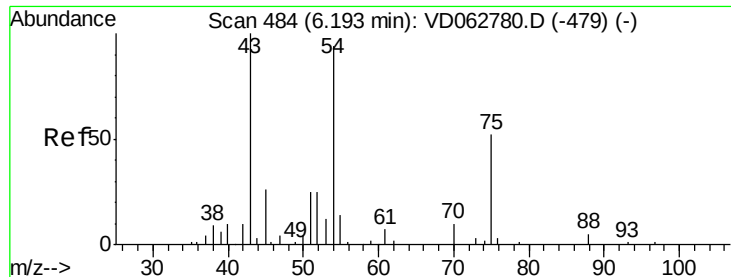
#36
1,1-Dichloropropene
Concen: 6.275 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.10 min
Lab File: VD062851.D
Acq: 24 Jun 2019 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	15.0	45.1#
77	0.0	22.2	33.2#



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

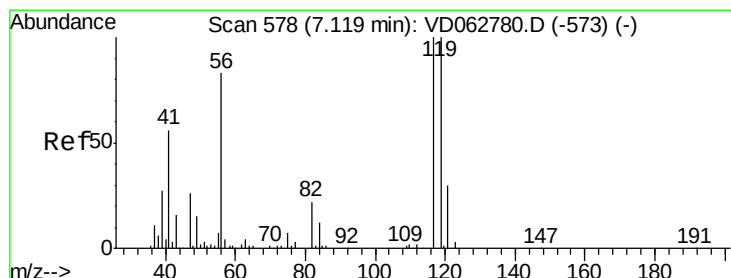
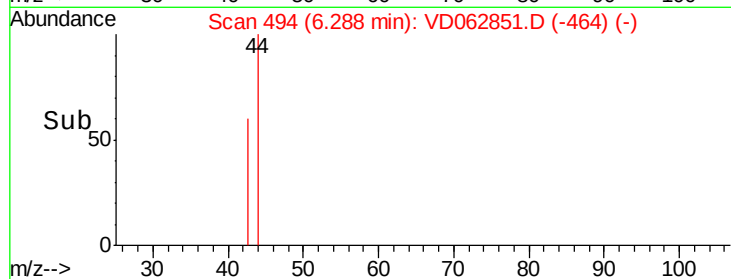
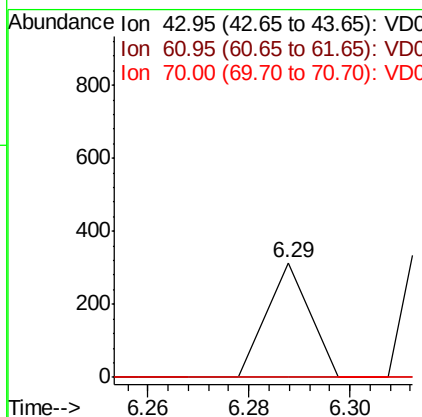
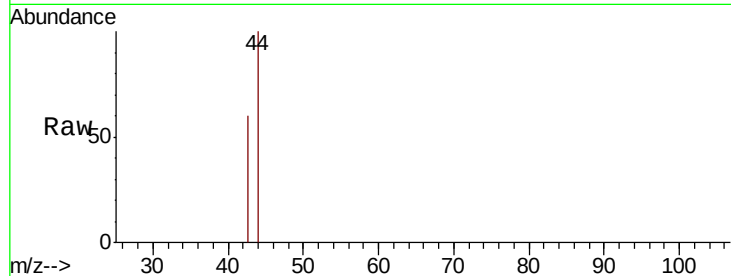




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.29 min Scan# 494
Delta R.T. 0.09 min
Lab File: VD062851.D
Acq: 24 Jun 2019 20:09

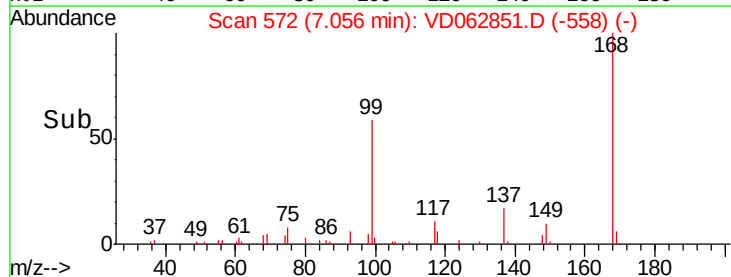
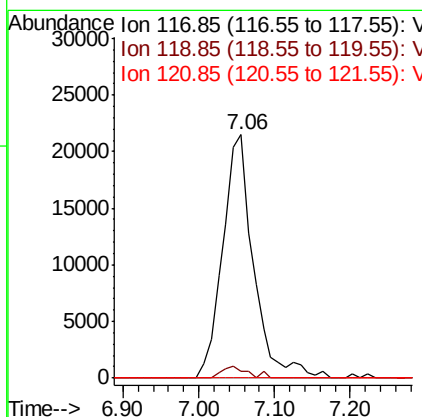
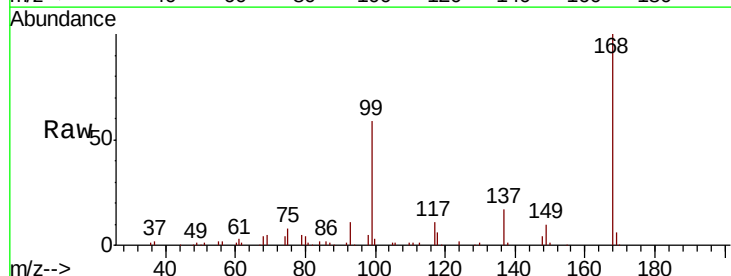
Instrument :
MSVOA_D
ClientSampleId :
B-8(9-10)

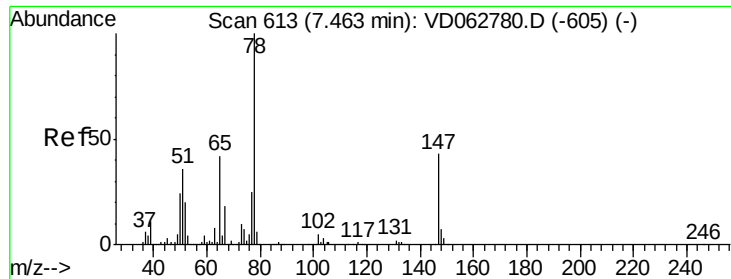
Tot Ion: 43 Resp: 185
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 5.291 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD062851.D
Acq: 24 Jun 2019 20:09

Tgt Ion: 117 Resp: 60820
Ion Ratio Lower Upper
117 100
119 2.7 75.4 113.2#
121 0.0 22.3 33.5#





#40

Benzene

Concen: 1.060 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD062851.D

Acq: 24 Jun 2019 20:09

Instrument :

MSVOA_D

ClientSampleId :

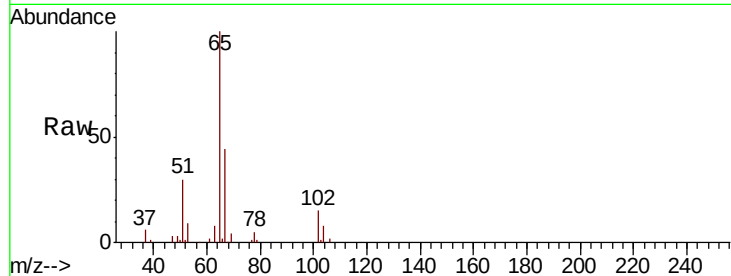
B-8(9-10)

Tot Ion: 78 Resp: 16261

Ion Ratio Lower Upper

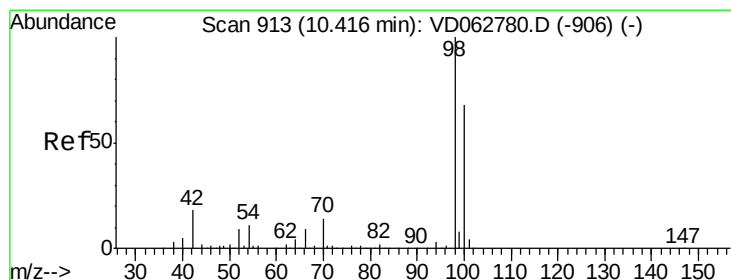
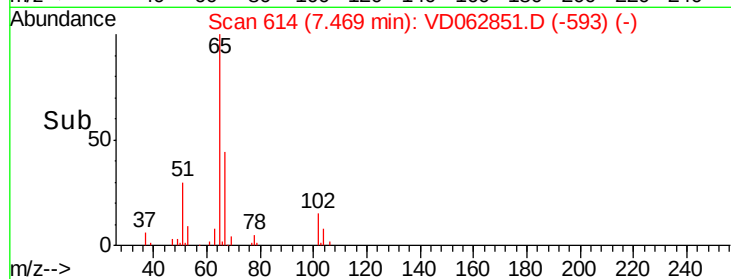
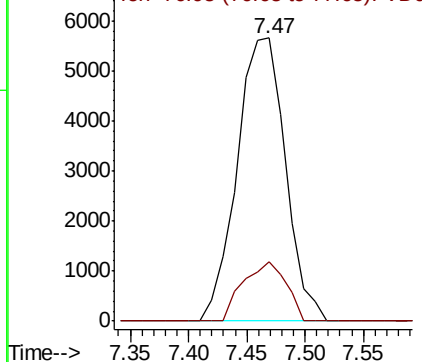
78 100

77 20.8 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: 58.089 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062851.D

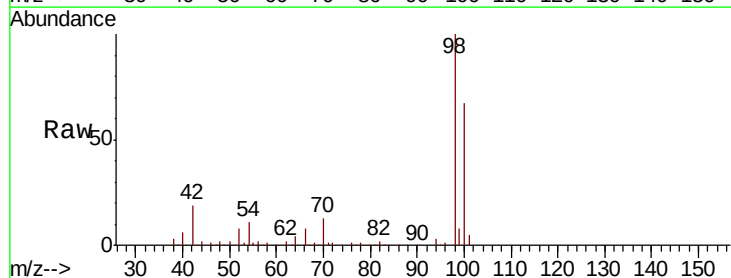
Acq: 24 Jun 2019 20:09

Tgt Ion: 98 Resp: 860750

Ion Ratio Lower Upper

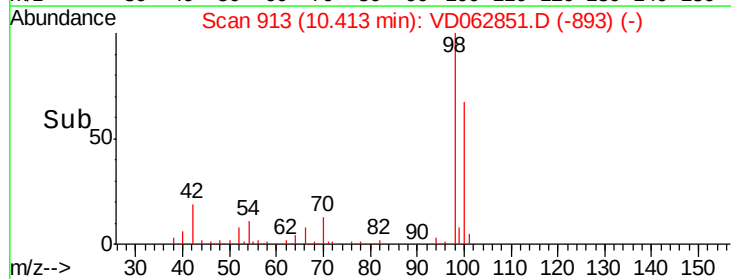
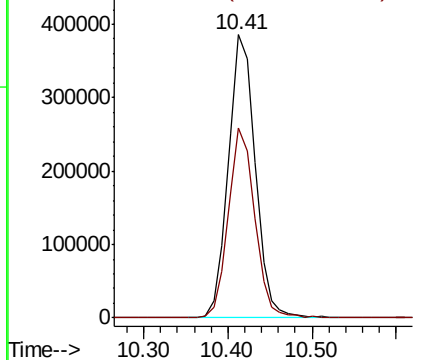
98 100

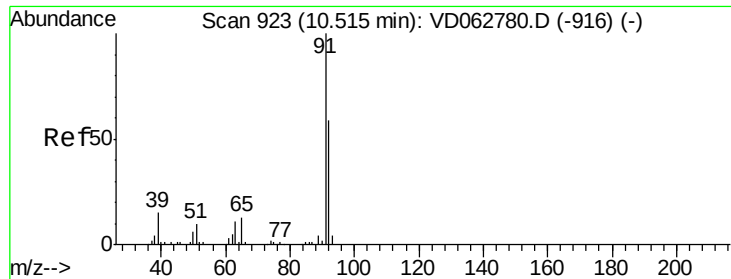
100 67.3 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 8.795 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD062851.D

Acq: 24 Jun 2019 20:09

Instrument :

MSVOA_D

ClientSampleId :

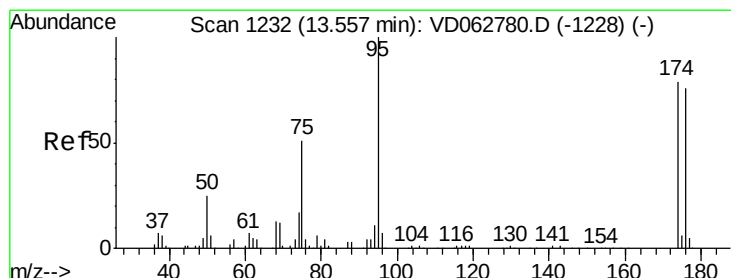
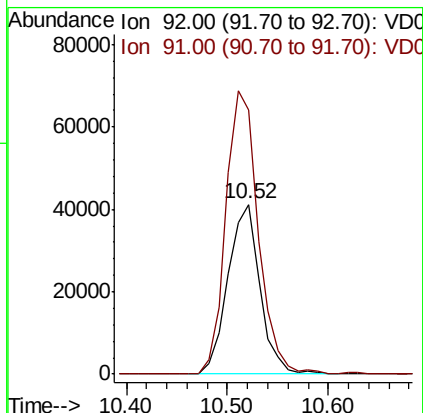
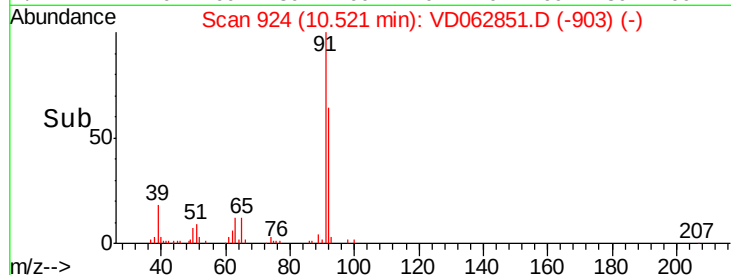
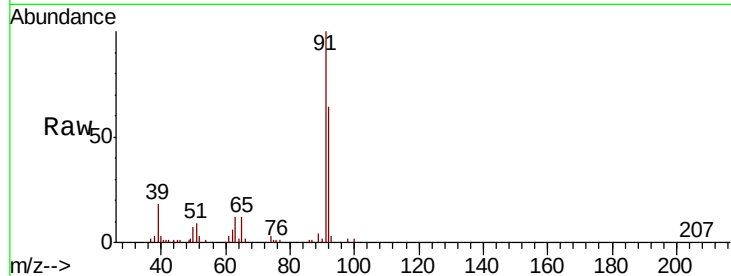
B-8(9-10)

Tot Ion: 92 Resp: 90705

Ion Ratio Lower Upper

92 100

91 155.2 136.3 204.5



#62

4-Bromofluorobenzene

Concen: 55.967 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062851.D

Acq: 24 Jun 2019 20:09

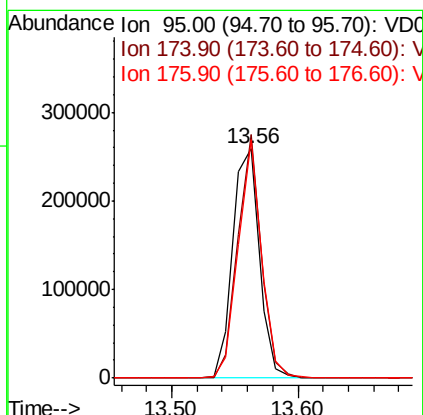
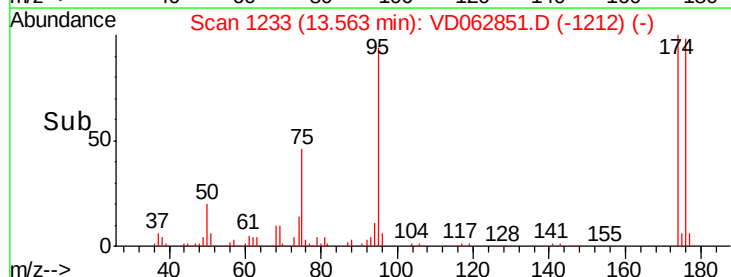
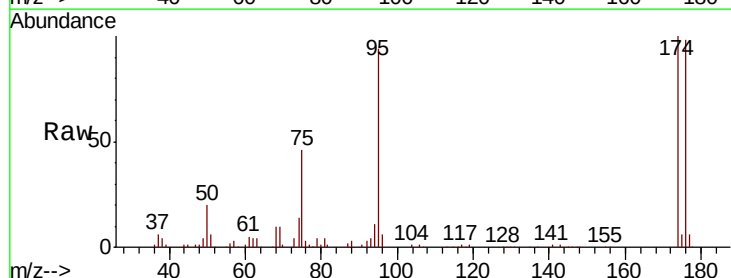
Tgt Ion: 95 Resp: 377087

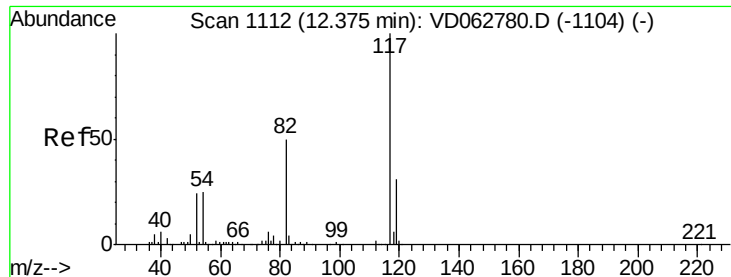
Ion Ratio Lower Upper

95 100

174 106.1 0.0 158.0

176 103.7 0.0 151.6

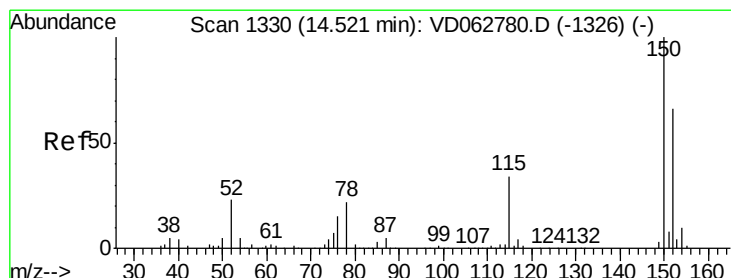
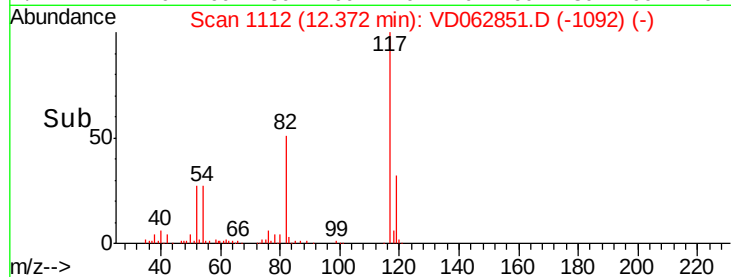
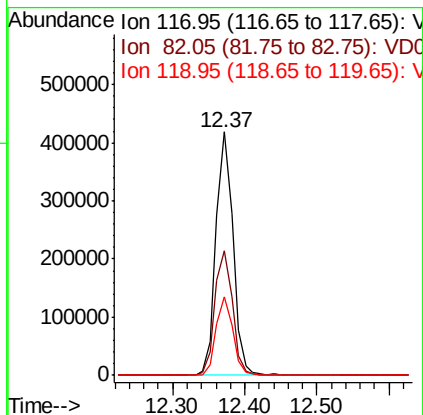
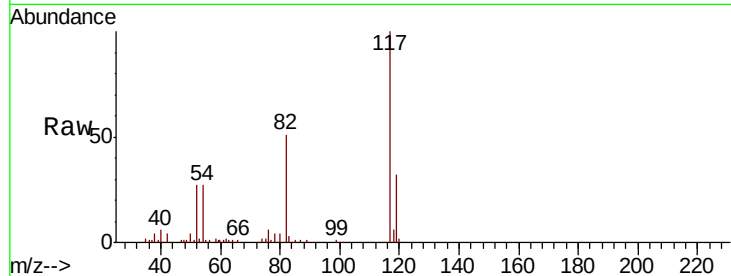




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062851.D
Acq: 24 Jun 2019 20:09

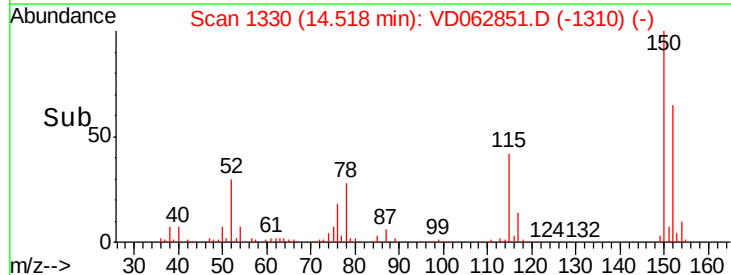
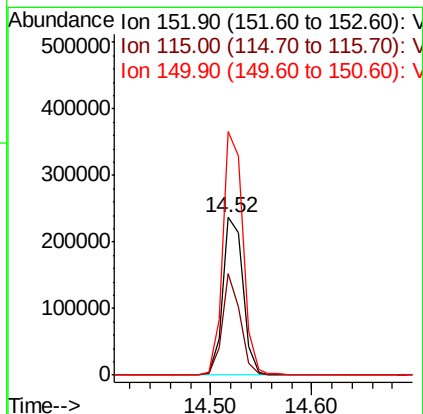
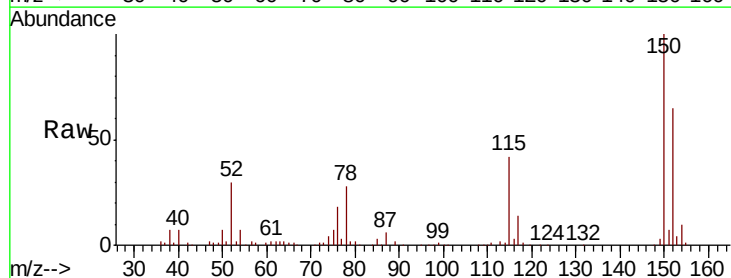
Instrument :
MSVOA_D
ClientSampleId :
B-8(9-10)

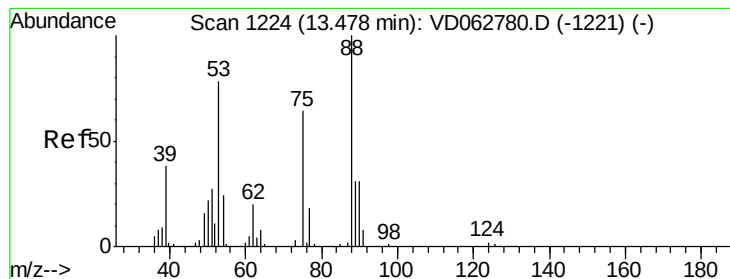
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	40.4	60.6
119	32.2	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062851.D
Acq: 24 Jun 2019 20:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	29.2	87.6
150	154.3	0.0	305.8





#81

trans-1,4-Dichloro-2-butene

Concen: 190.124 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062851.D

Acq: 24 Jun 2019 20:09

Instrument :

MSVOA_D

ClientSampleId :

B-8(9-10)

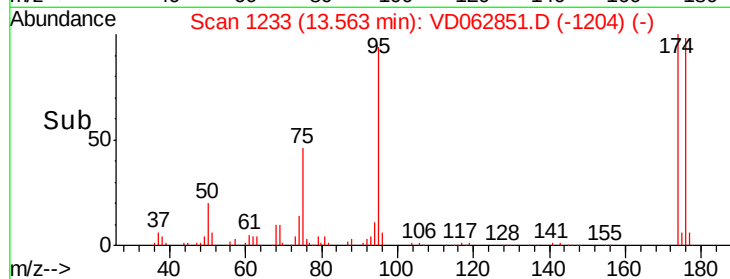
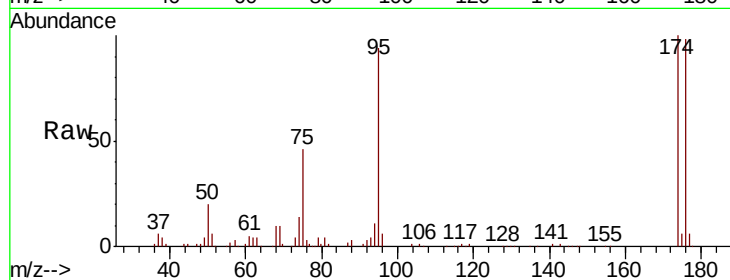
Tot Ion: 75 Resp: 190960

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

