

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062937.D
 Acq On : 27 Jun 2019 17:49
 Operator : VA/AP
 Sample : K3531-04RE
 Misc : 6.97g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:21:53 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	7.02	168	501978	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	672451	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	318951	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	105049	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	370665	67.93	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	135.86%	
35) Dibromofluoromethane	6.90	113	340430	60.04	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	120.08%	
50) Toluene-d8	10.39	98	283439	22.97	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	45.94%	
62) 4-Bromofluorobenzene	13.54	95	174990	31.18	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	62.36%	

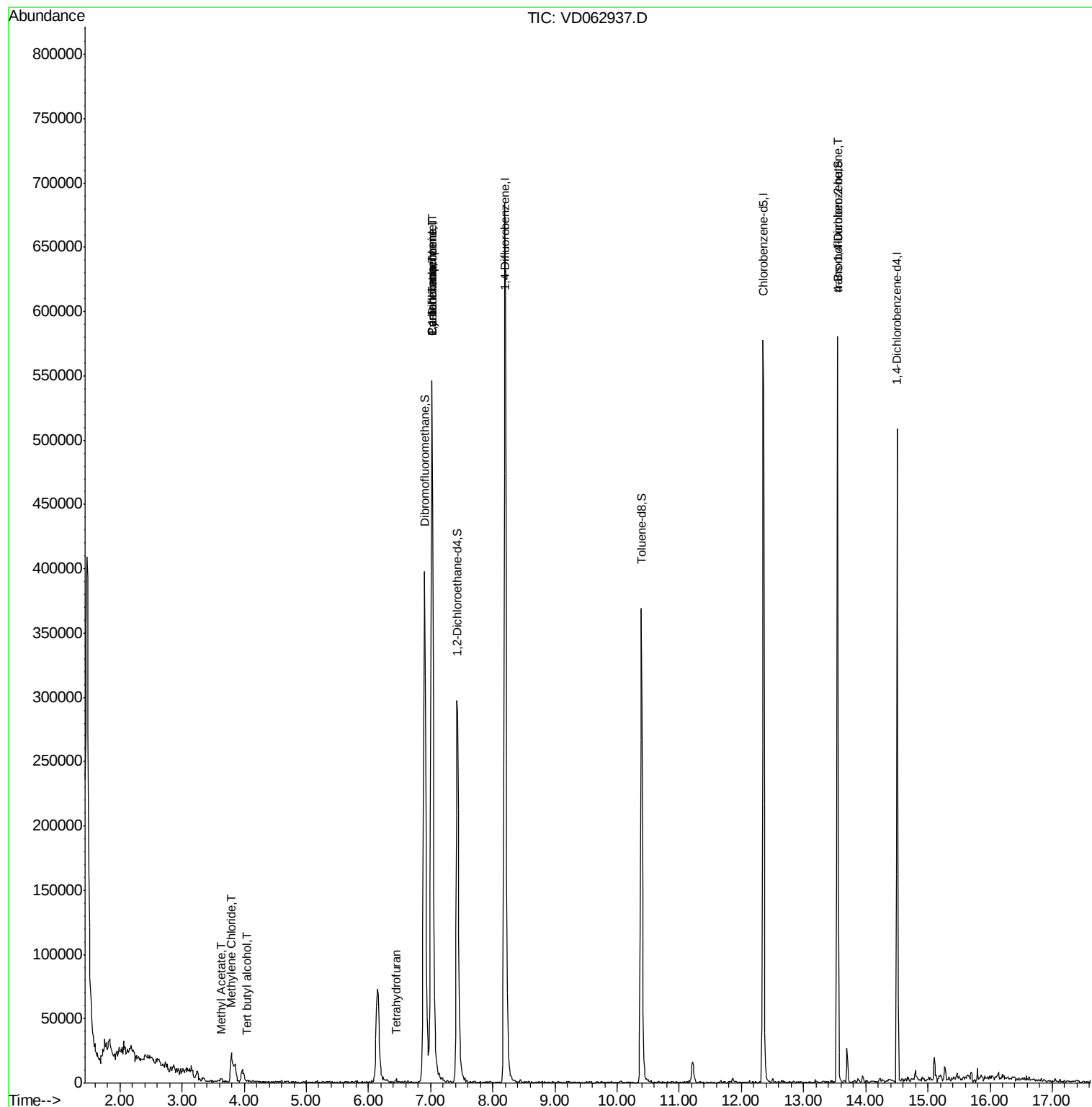
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	1428	5.746	ug/l #	77
16) Acetone	3.21	43	2339	Below Cal	#	64
18) Methyl Acetate	3.65	43	4183	2.540	ug/l #	58
20) Methylene Chloride	3.79	84	11809	2.838	ug/l #	82
29) Tetrahydrofuran	6.44	42	1109	2.297	ug/l #	56
31) Cyclohexane	7.02	56	12182	2.377	ug/l #	8
36) 1,1-Dichloropropene	7.02	75	44056	6.921	ug/l #	53
38) Carbon Tetrachloride	7.01	117	56025	5.852	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.54	75	79936	251.502	ug/l #	2

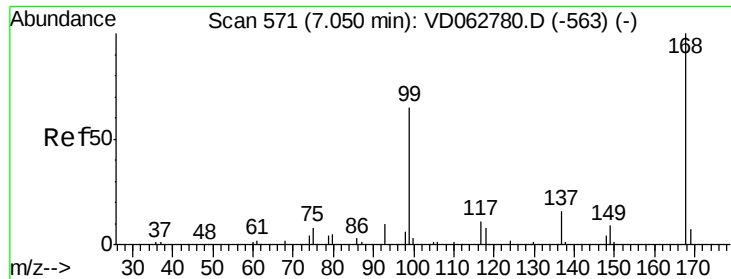
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 28 02:21:53 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: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062937.D

Acq: 27 Jun 2019 17:49

Instrument :

MSVOA_D

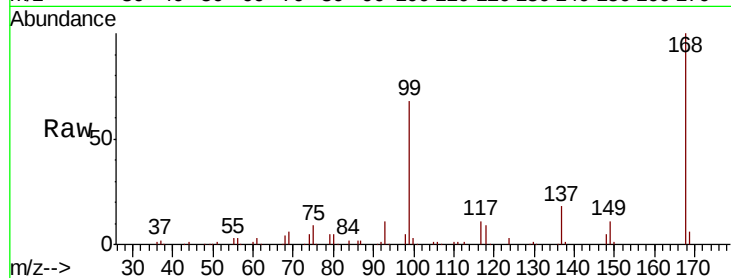
ClientSampleId :

Tot Ion:168 Resp: 501978

Ion Ratio Lower Upper

168 100

99 68.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

150000

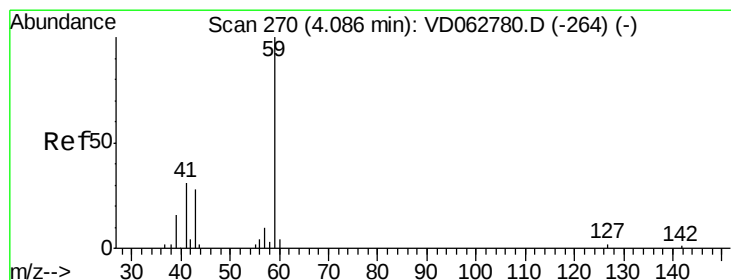
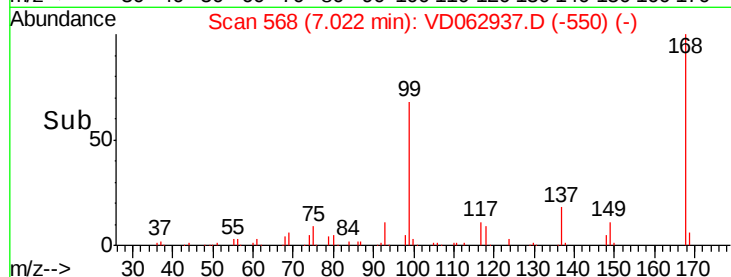
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 5.746 ug/l

RT: 4.05 min Scan# 266

Delta R.T. -0.04 min

Lab File: VD062937.D

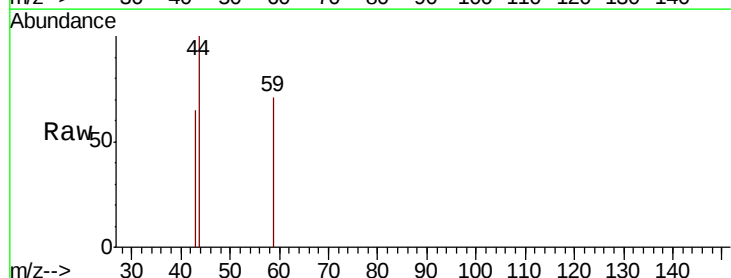
Acq: 27 Jun 2019 17:49

Tgt Ion: 59 Resp: 1428

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

2000

1500

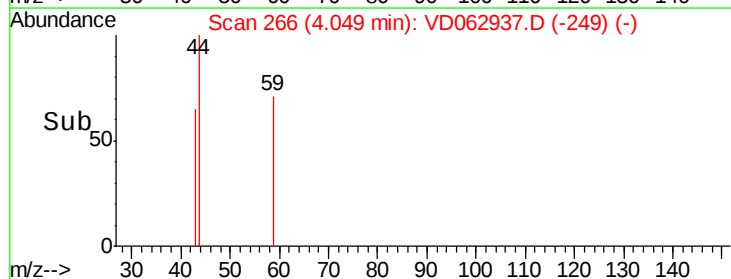
1000

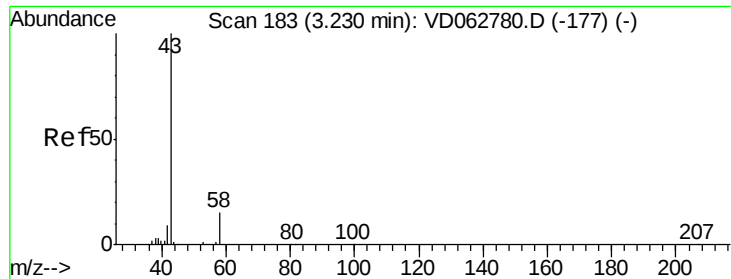
500

0

Time-->

4.00 4.05 4.10





#16

Acetone

Concen: Below Cal

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062937.D

Acq: 27 Jun 2019 17:49

Instrument :

MSVOA_D

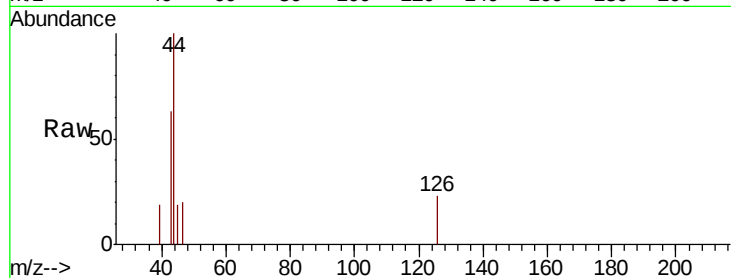
ClientSampled :

Tot Ion: 43 Resp: 2339

Ion Ratio Lower Upper

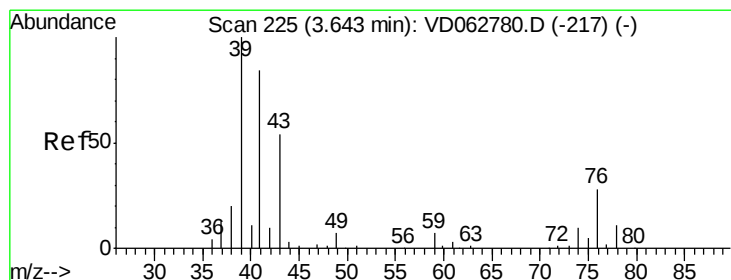
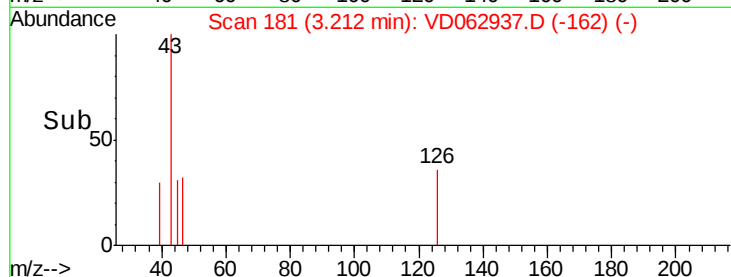
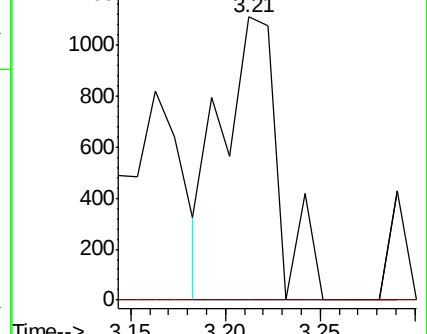
43 100

58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 2.540 ug/l

RT: 3.65 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD062937.D

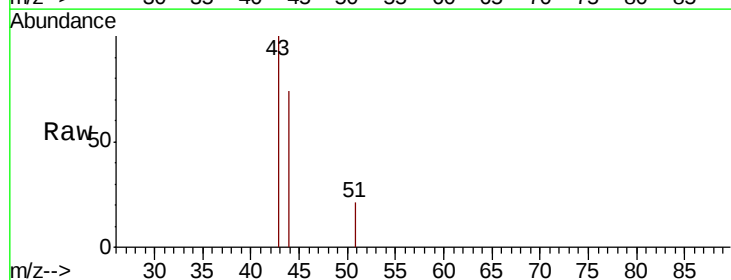
Acq: 27 Jun 2019 17:49

Tgt Ion: 43 Resp: 4183

Ion Ratio Lower Upper

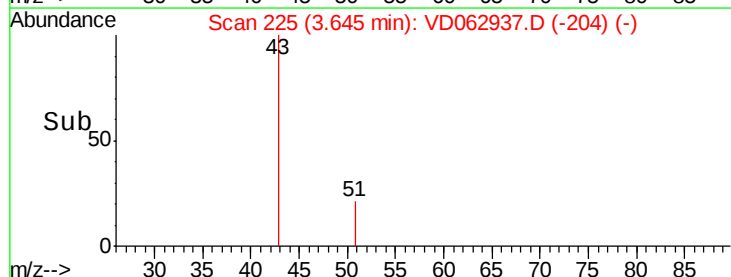
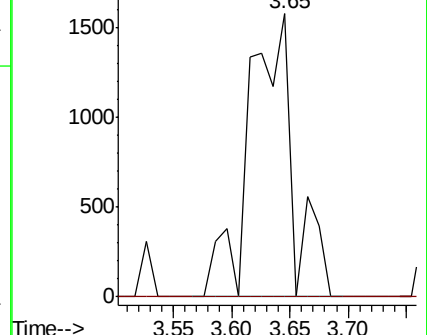
43 100

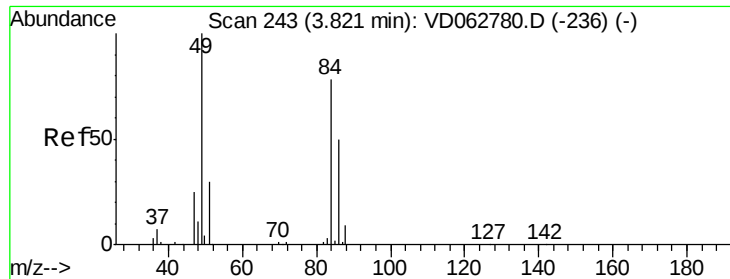
74 0.0 15.2 22.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

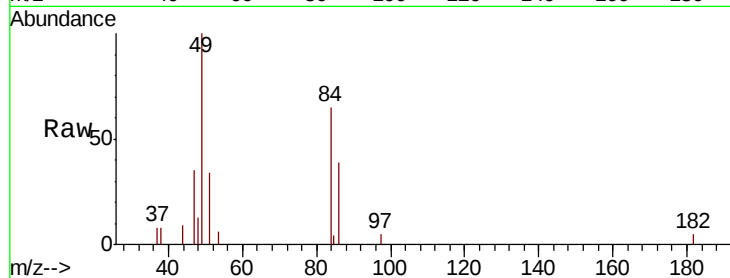




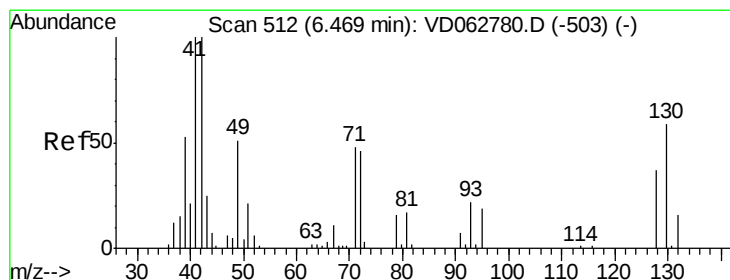
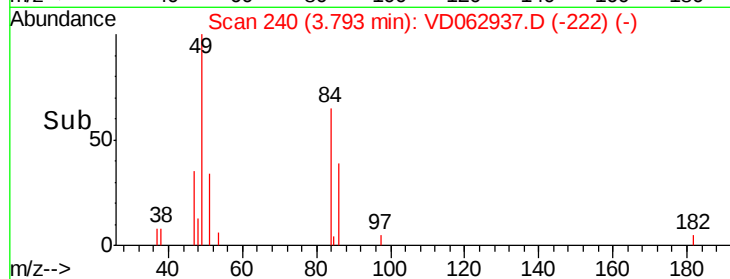
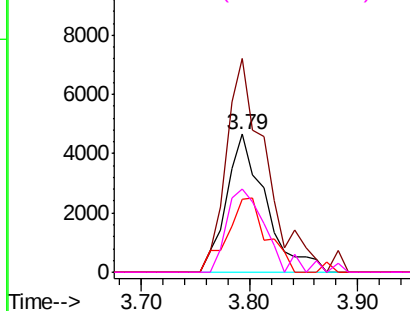
#20
Methvlene Chloride
Concen: 2.838 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD062937.D
Acq: 27 Jun 2019 17:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 11809
Ion Ratio Lower Upper
84 100
49 154.7 102.9 154.3#
51 53.2 31.2 46.8#
86 60.0 51.4 77.2

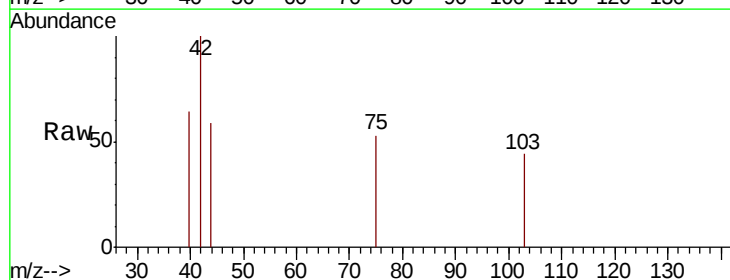


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

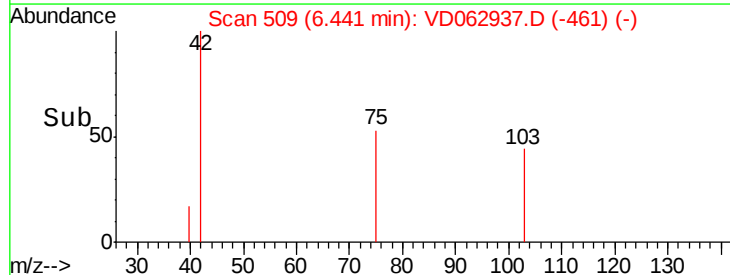
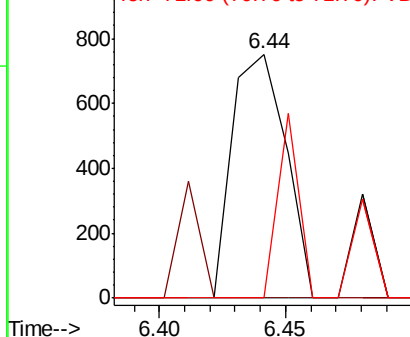


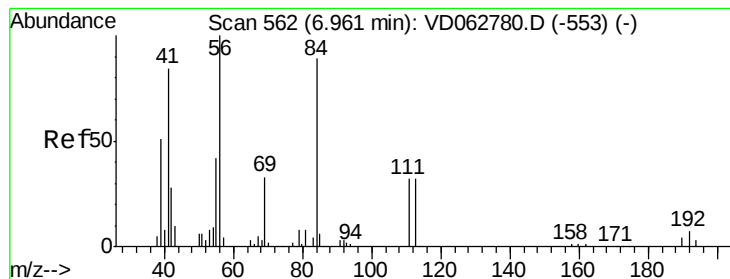
#29
Tetrahydrofuran
Concen: 2.297 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.03 min
Lab File: VD062937.D
Acq: 27 Jun 2019 17:49

Tgt Ion: 42 Resp: 1109
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.6#
71 30.3 33.3 49.9#



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: 2.377 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.06 min

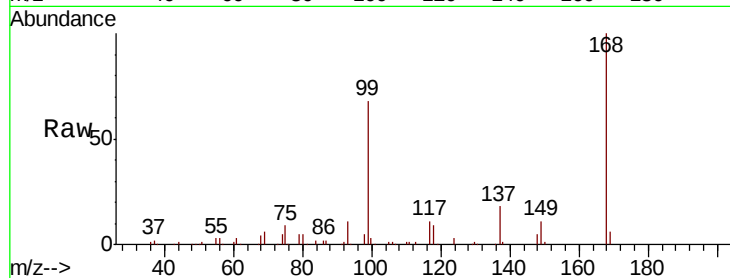
Lab File: VD062937.D

Acq: 27 Jun 2019 17:49

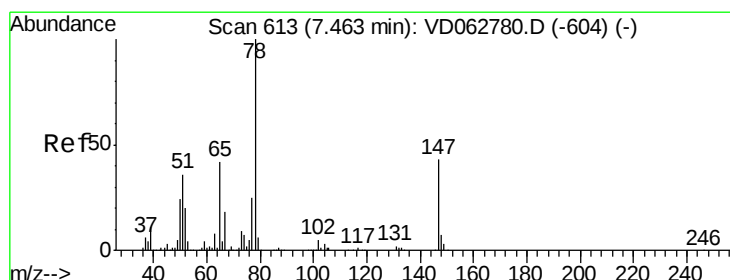
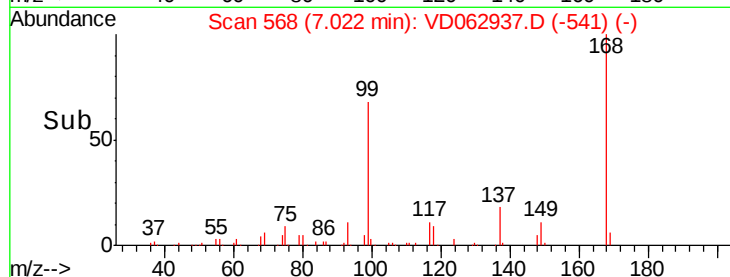
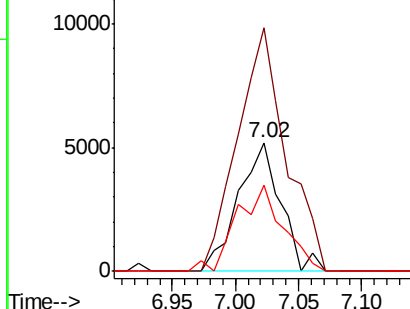
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 12182

Ion	Ratio	Lower	Upper
56	100		
69	188.9	26.6	39.8#
84	67.1	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: 67.932 ug/l

RT: 7.43 min Scan# 609

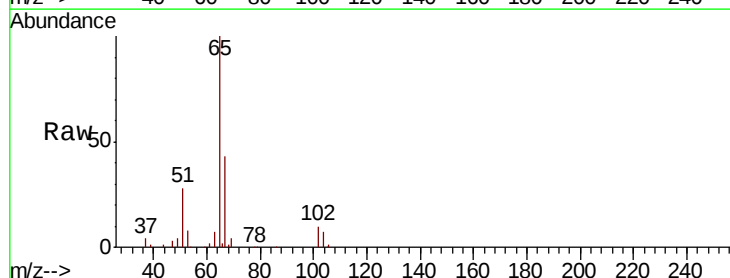
Delta R.T. -0.04 min

Lab File: VD062937.D

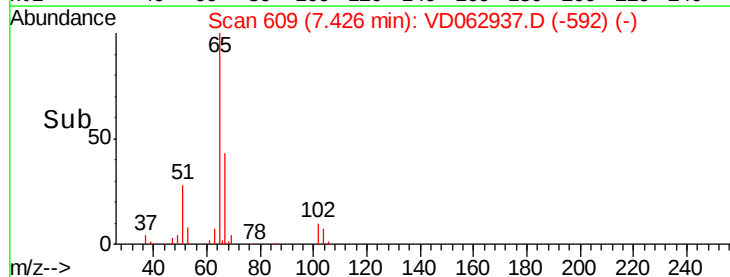
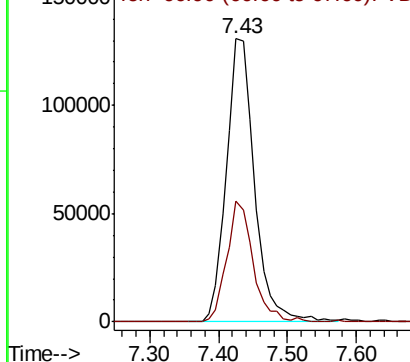
Acq: 27 Jun 2019 17:49

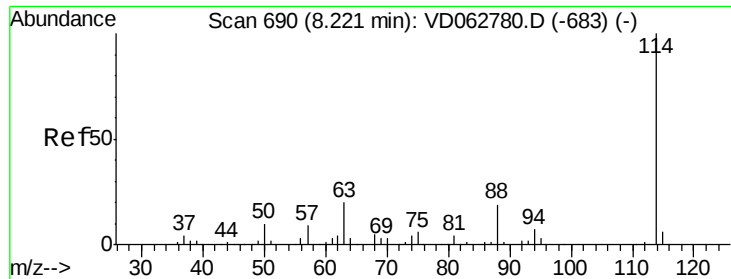
Tgt Ion: 65 Resp: 370665

Ion	Ratio	Lower	Upper
65	100		
67	42.8	0.0	87.4



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

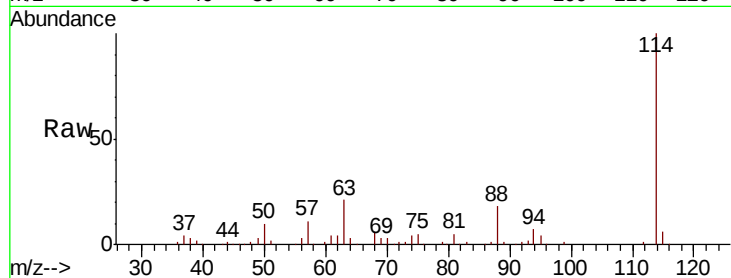




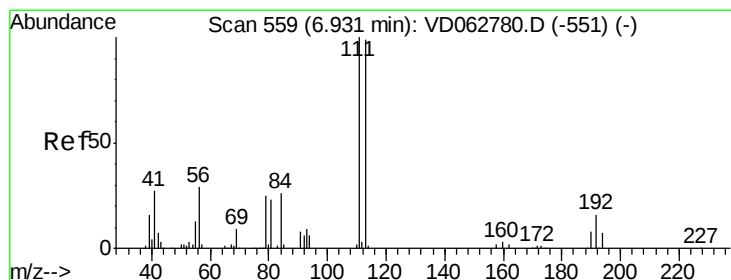
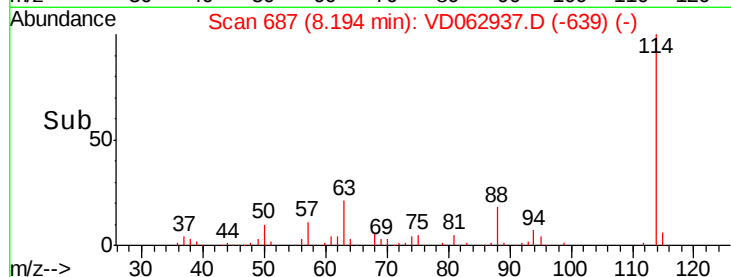
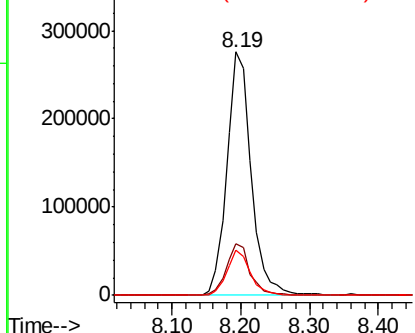
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.03 min
 Lab File: VD062937.D
 Acq: 27 Jun 2019 17:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 672451
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.0
 88 18.3 0.0 38.8

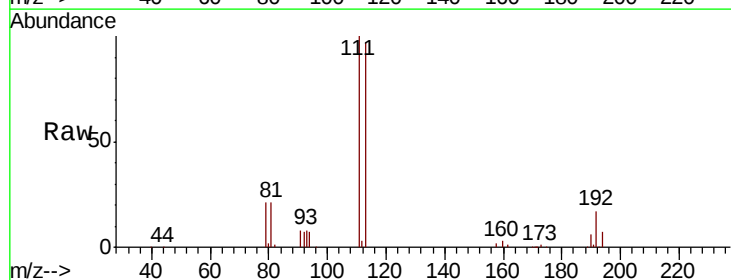


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

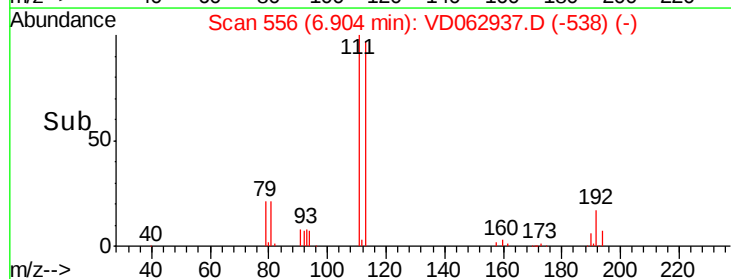
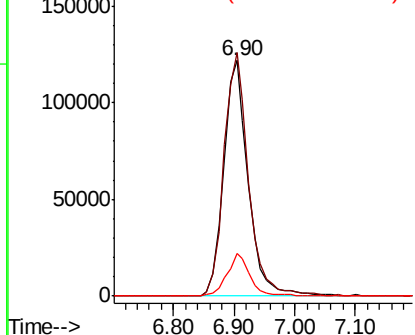


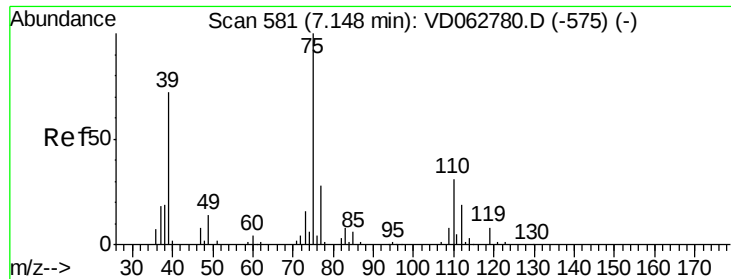
#35
 Dibromofluoromethane
 Concen: 60.040 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062937.D
 Acq: 27 Jun 2019 17:49

Tgt Ion:113 Resp: 340430
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.2 121.8
 192 18.0 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: 6.921 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.13 min

Lab File: VD062937.D

Acq: 27 Jun 2019 17:49

Instrument :

MSVOA_D

ClientSampleId :

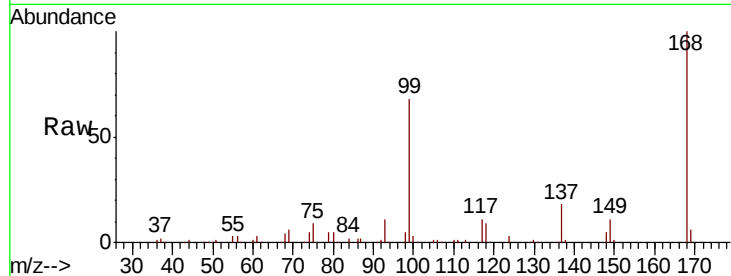
Tot Ion: 75 Resp: 44056

Ion Ratio Lower Upper

75 100

110 8.0 15.0 45.1#

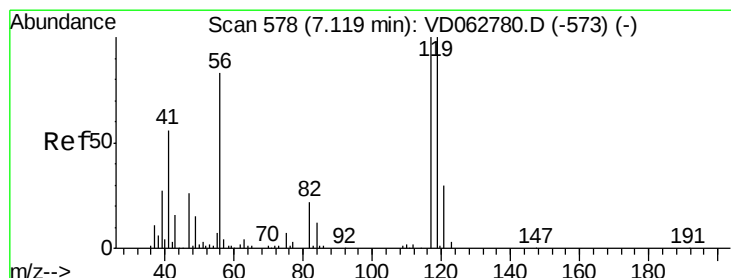
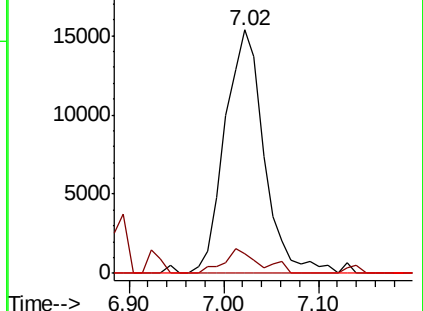
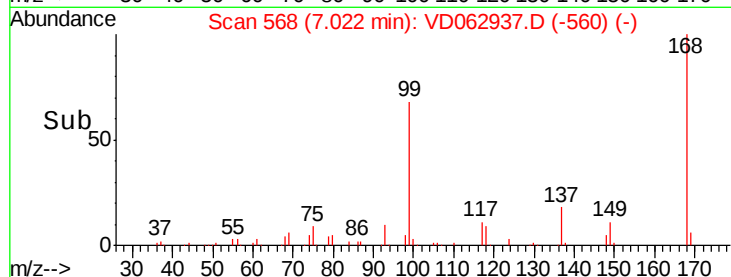
77 0.0 22.2 33.2#



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: 5.852 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.11 min

Lab File: VD062937.D

Acq: 27 Jun 2019 17:49

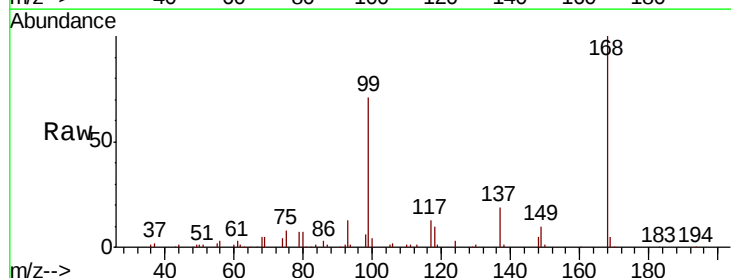
Tgt Ion: 117 Resp: 56025

Ion Ratio Lower Upper

117 100

119 4.2 75.4 113.2#

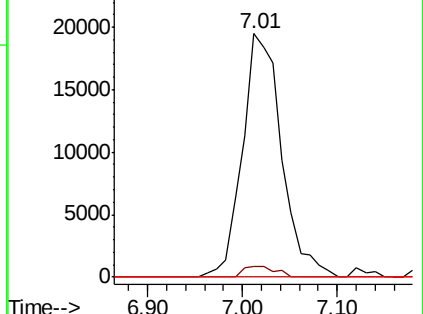
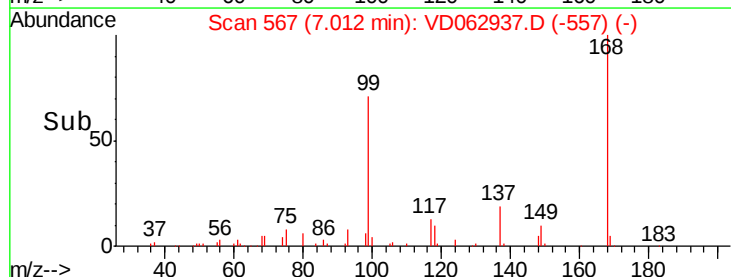
121 0.0 22.3 33.5#

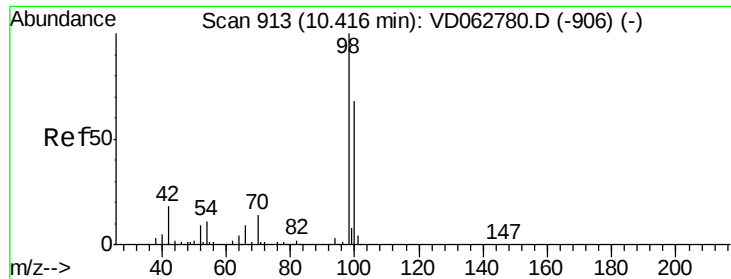


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

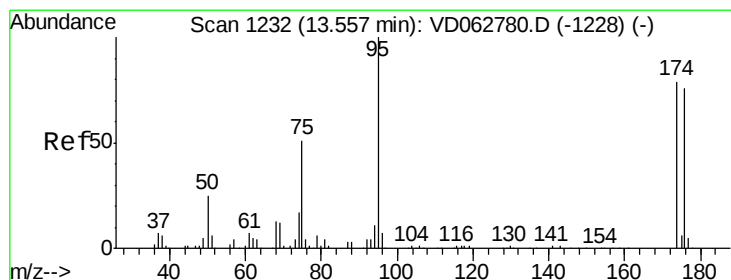
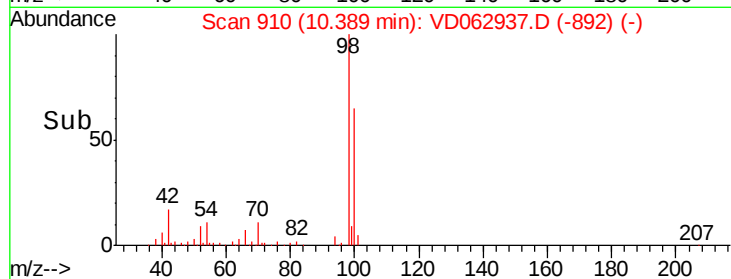
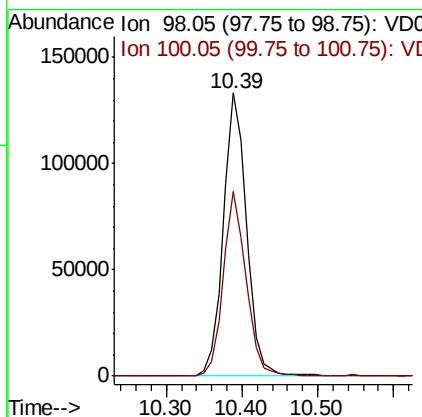
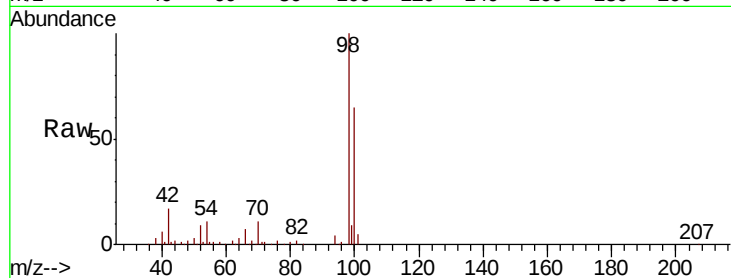




#50
Toluene-d8
Concen: 22.968 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062937.D
Acq: 27 Jun 2019 17:49

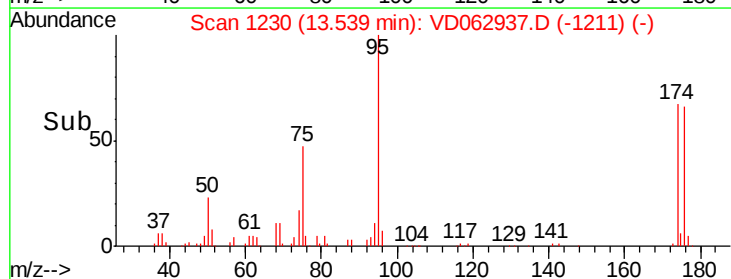
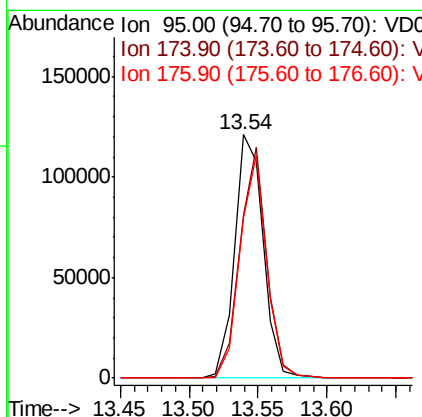
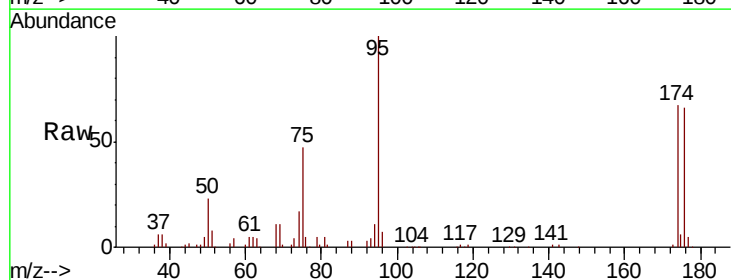
Instrument :
MSVOA_D
ClientSampleId :

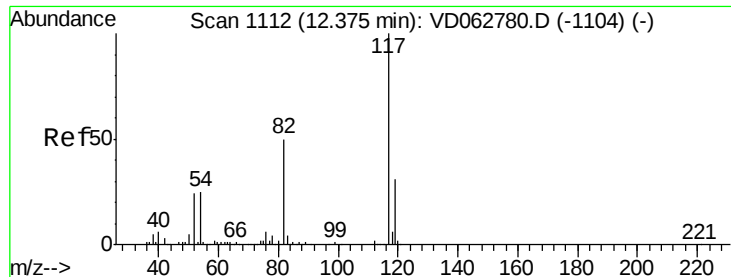
Tot Ion: 98 Resp: 283439
Ion Ratio Lower Upper
98 100
100 65.3 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 31.185 ug/l
RT: 13.54 min Scan# 1230
Delta R.T. -0.02 min
Lab File: VD062937.D
Acq: 27 Jun 2019 17:49

Tgt Ion: 95 Resp: 174990
Ion Ratio Lower Upper
95 100
174 66.8 0.0 158.0
176 66.0 0.0 151.6

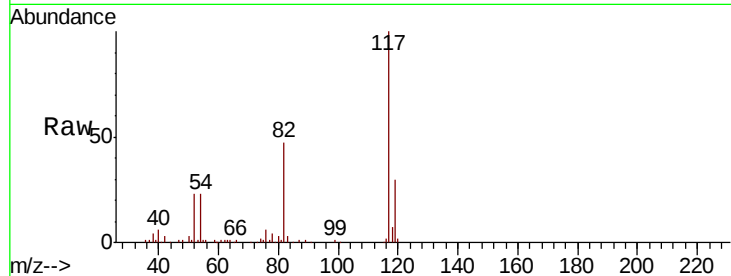




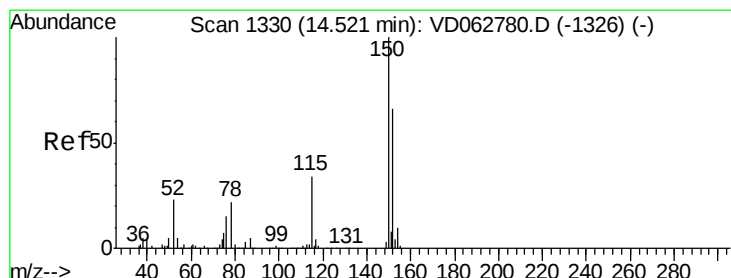
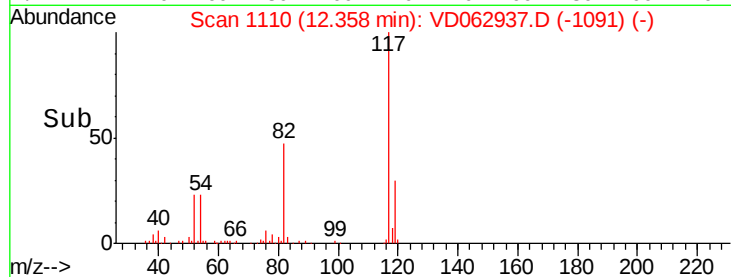
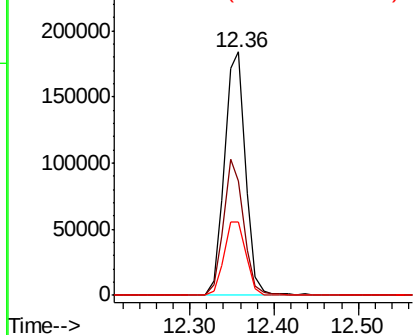
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062937.D
Acq: 27 Jun 2019 17:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.0	40.4	60.6
119	30.0	25.2	37.8

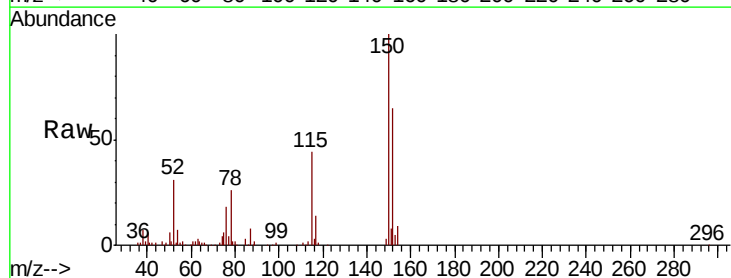


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

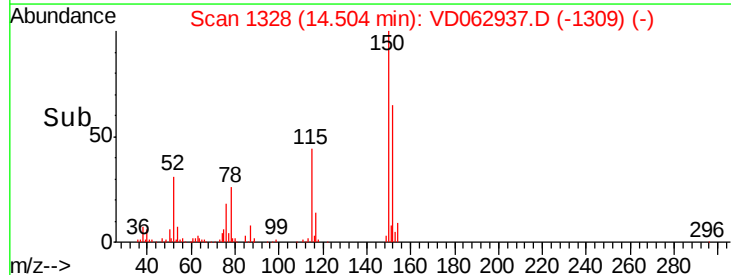
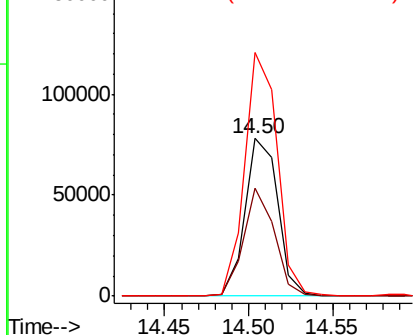


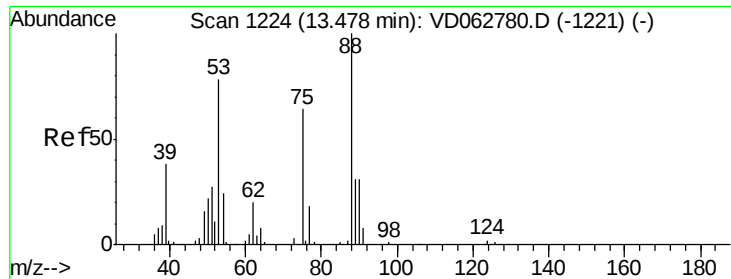
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.02 min
Lab File: VD062937.D
Acq: 27 Jun 2019 17:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.3	29.2	87.6
150	154.4	0.0	305.8



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: 251.502 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. 0.06 min

Lab File: VD062937.D

Acq: 27 Jun 2019 17:49

Instrument :

MSVOA_D

ClientSampleId :

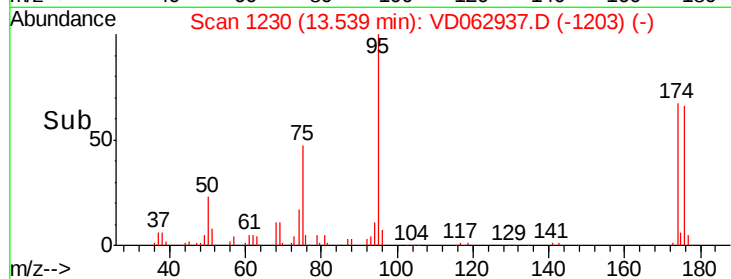
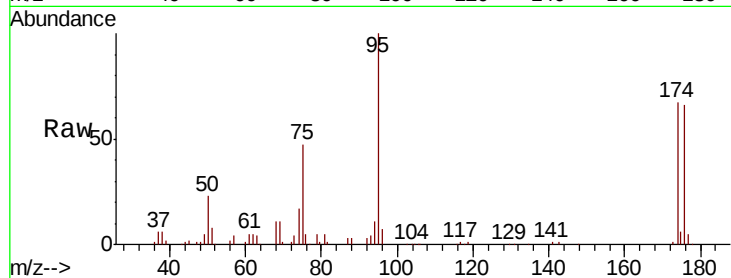
Tot Ion: 75 Resp: 79936

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

