

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062759.D
 Acq On : 18 Jun 2019 19:36
 Operator : VA/AP
 Sample : K3154-05RE
 Misc : 6.11g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:27:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	637400	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	917441	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	744231	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	387086	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	374864	40.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.52%	
35) Dibromofluoromethane	6.93	113	375558	38.81	ug/l	0.01
Spiked Amount 50.000			Recovery	=	77.62%	
50) Toluene-d8	10.41	98	729595	35.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.70%	
62) 4-Bromofluorobenzene	13.55	95	331941	34.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.92%	

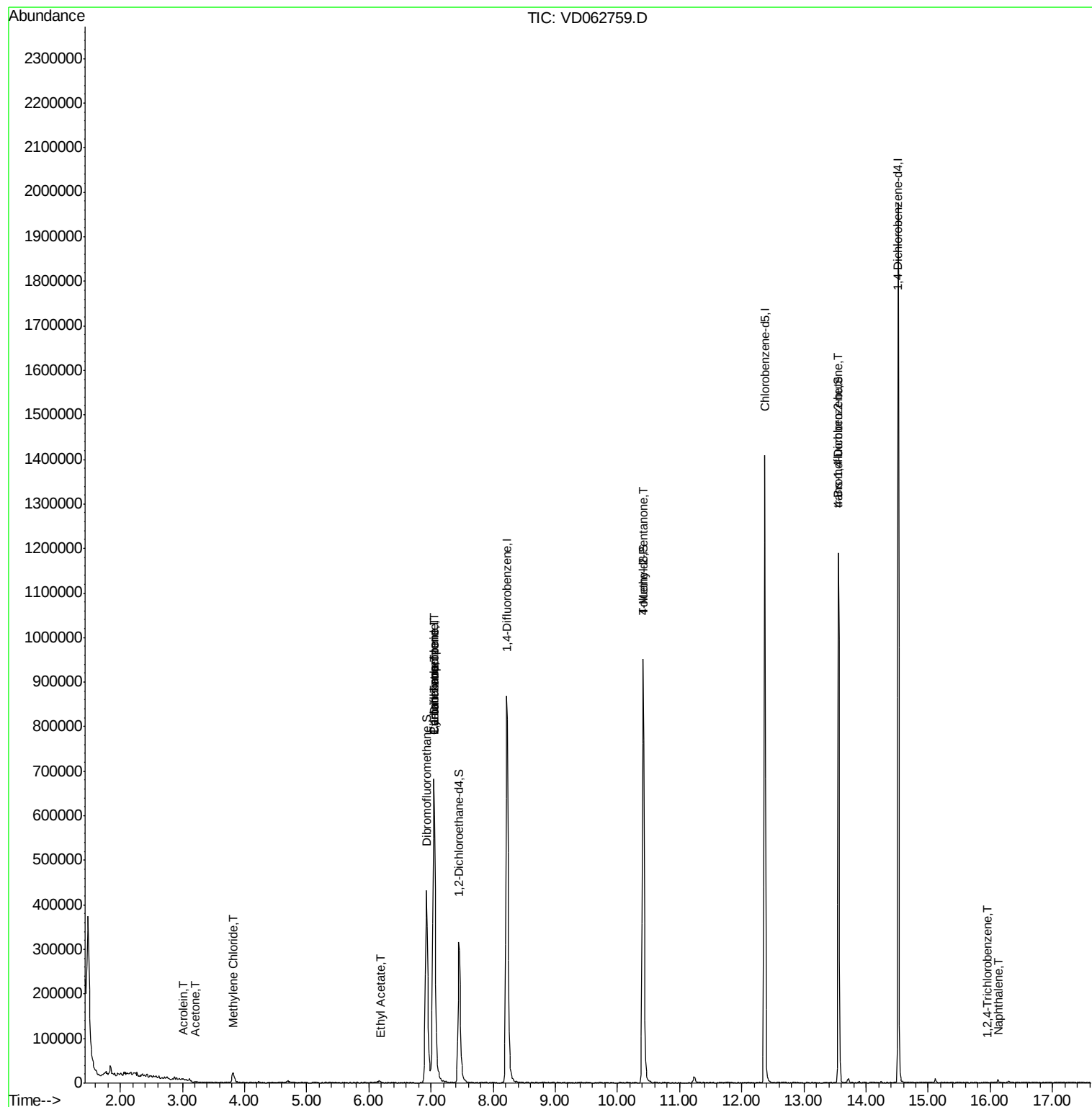
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	919	Below Cal	#	42
13) Acrolein	3.03	56	205	1.686	ug/l #	12
16) Acetone	3.21	43	2843	1.688	ug/l #	56
20) Methylene Chloride	3.82	84	14529	1.858	ug/l #	78
31) Cyclohexane	7.04	56	16374	2.256	ug/l #	3
36) 1,1-Dichloropropene	7.05	75	54358	5.177	ug/l #	54
37) Ethyl Acetate	6.20	43	192	1.243	ug/l #	74
38) Carbon Tetrachloride	7.05	117	65687	3.958	ug/l #	17
51) 4-Methyl-2-Pentanone	10.41	43	4945	1.276	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	168350	103.630	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.96	180	1008	3.662	ug/l #	11
95) Naphthalene	16.12	128	1862	3.573	ug/l #	74

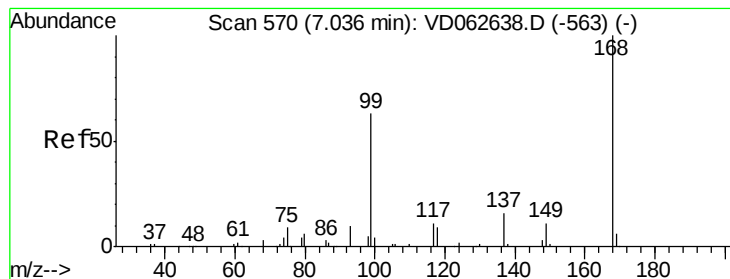
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061819\
Data File : VD062759.D
Acq On : 18 Jun 2019 19:36
Operator : VA/AP
Sample : K3154-05RE
Misc : 6.11q/5ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 19 05:27:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062759.D

Acq: 18 Jun 2019 19:36

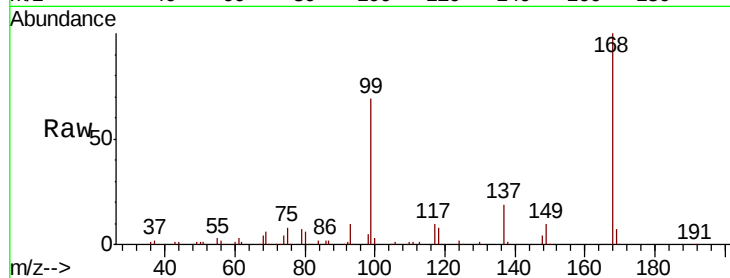
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 637400

Ion Ratio Lower Upper

168 100

99 68.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

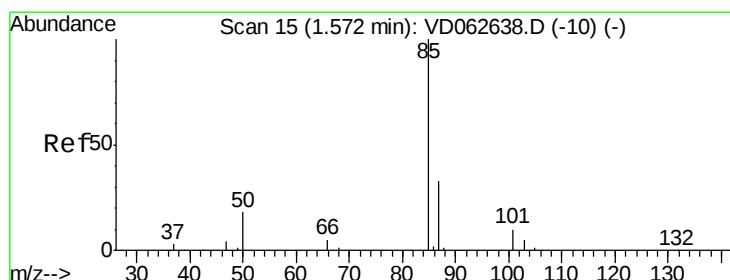
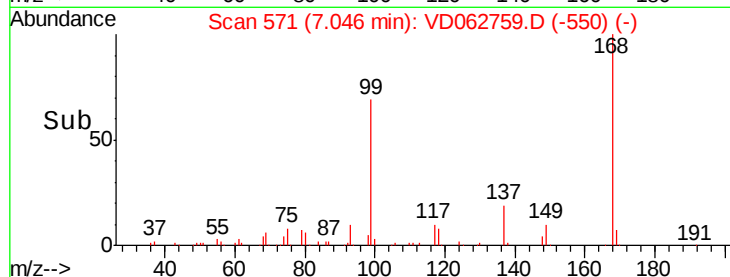
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062759.D

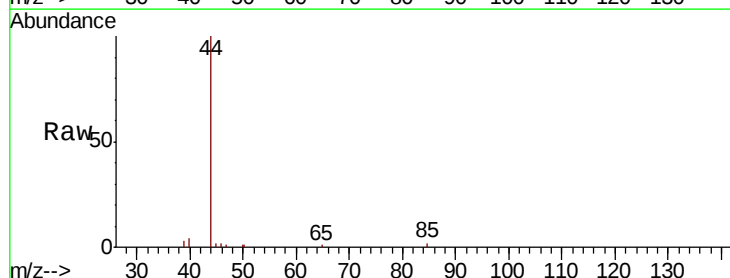
Acq: 18 Jun 2019 19:36

Tgt Ion: 85 Resp: 919

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

600

500

400

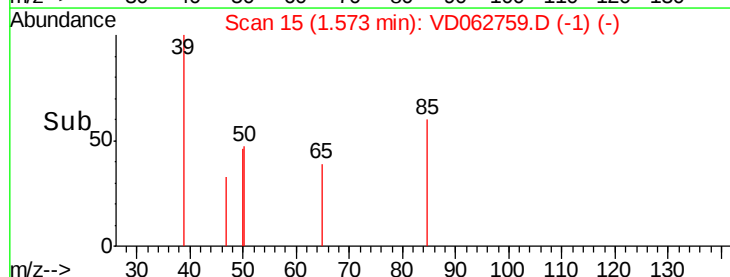
300

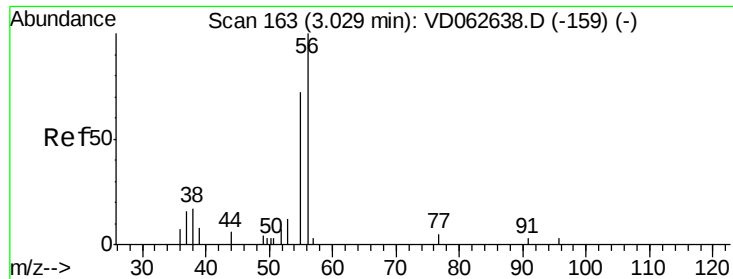
200

100

0

Time-->





#13

Acrolein

Concen: 1.686 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD062759.D

Acq: 18 Jun 2019 19:36

Instrument :

MSVOA_D

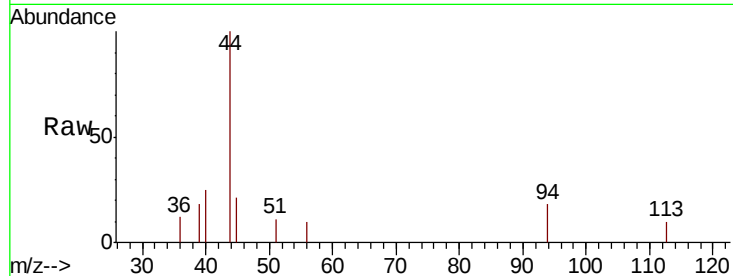
ClientSampleId :

Tot Ion: 56 Resp: 205

Ion Ratio Lower Upper

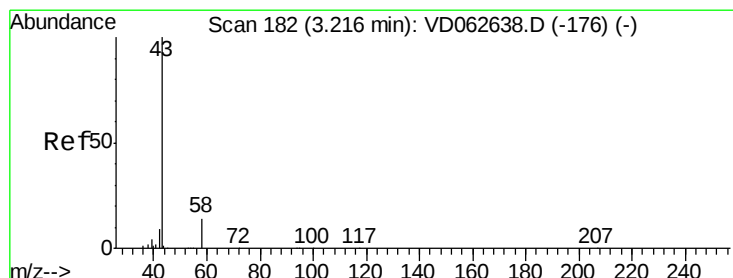
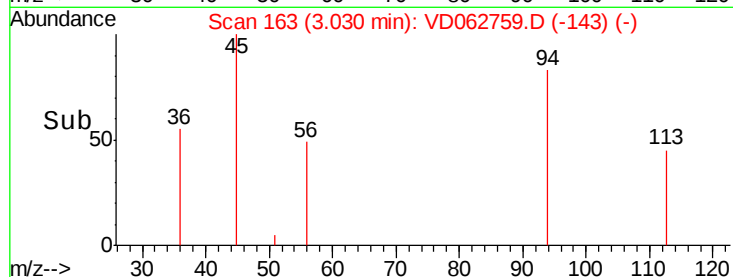
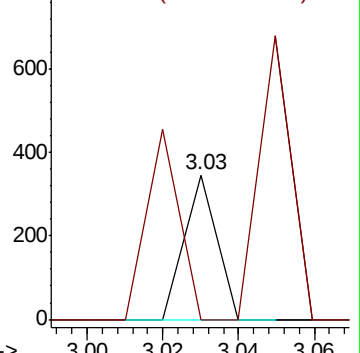
56 100

55 0.0 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 1.688 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD062759.D

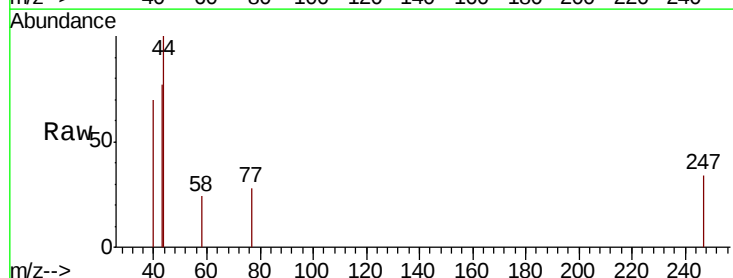
Acq: 18 Jun 2019 19:36

Tgt Ion: 43 Resp: 2843

Ion Ratio Lower Upper

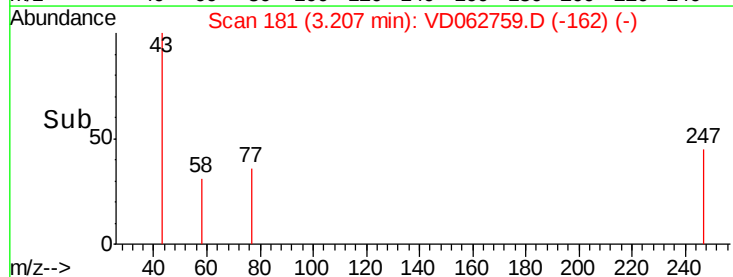
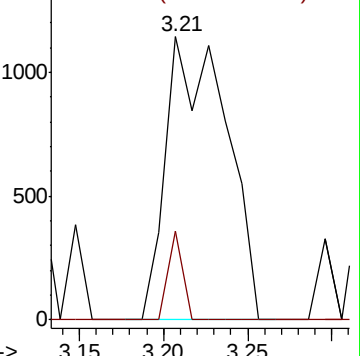
43 100

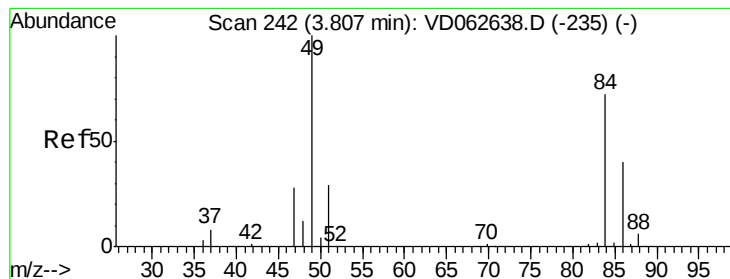
58 31.3 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methvlene Chloride

Concen: 1.858 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD062759.D

Acq: 18 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 14529

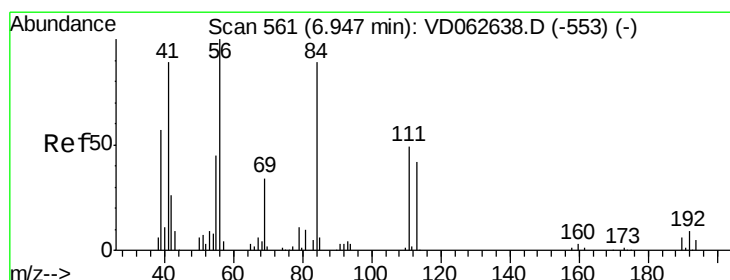
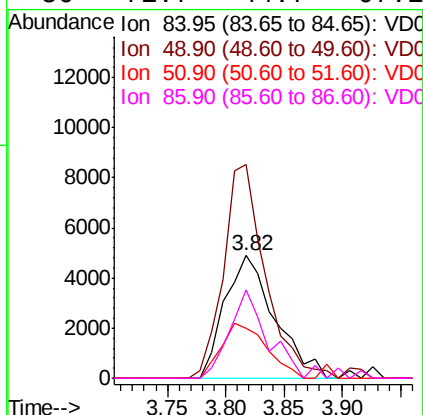
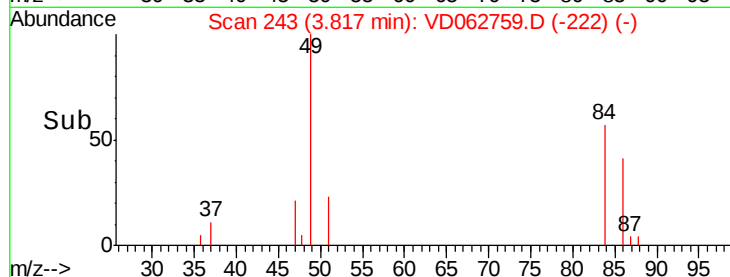
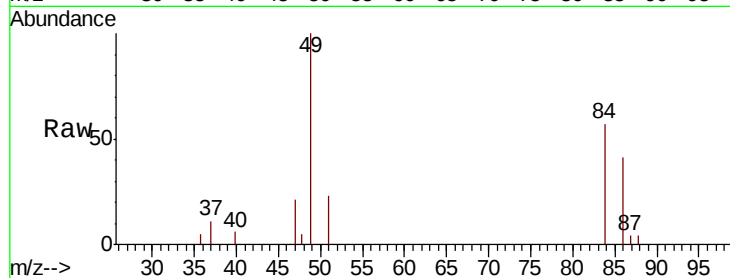
Ion Ratio Lower Upper

84 100

49 174.0 111.2 166.8#

51 40.6 31.9 47.9

86 71.7 44.7 67.1#



#31

Cyclohexane

Concen: 2.256 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.09 min

Lab File: VD062759.D

Acq: 18 Jun 2019 19:36

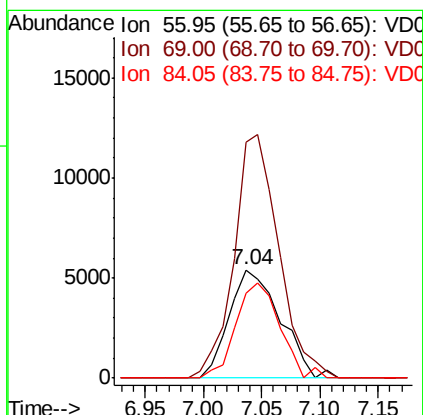
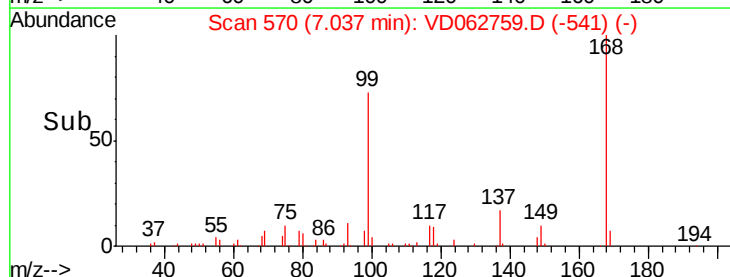
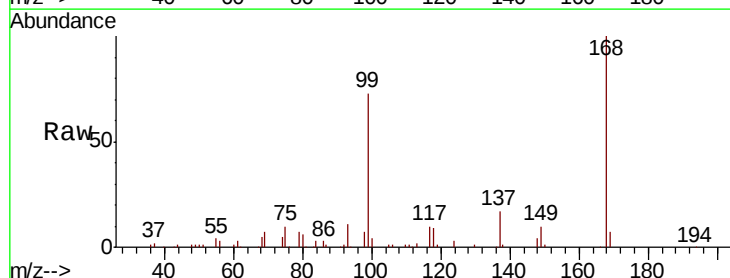
Tgt Ion: 56 Resp: 16374

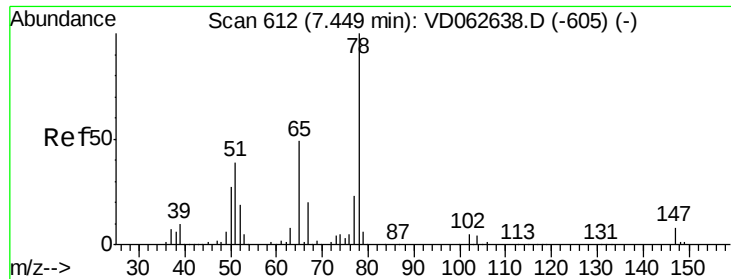
Ion Ratio Lower Upper

56 100

69 217.6 26.8 40.2#

84 77.9 73.9 110.9





#33

1,2-Dichloroethane-d4

Concen: 40.757 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD062759.D

Acq: 18 Jun 2019 19:36

Instrument :

MSVOA_D

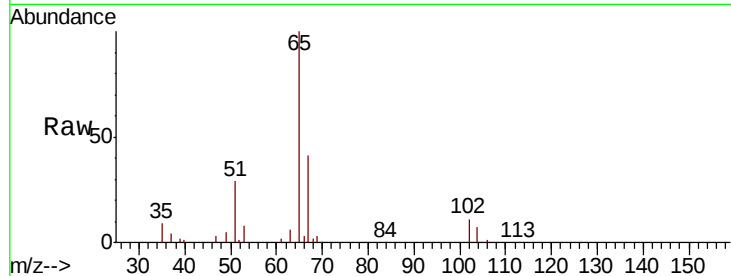
ClientSampleId :

Tot Ion: 65 Resp: 374864

Ion Ratio Lower Upper

65 100

67 40.8 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

150000

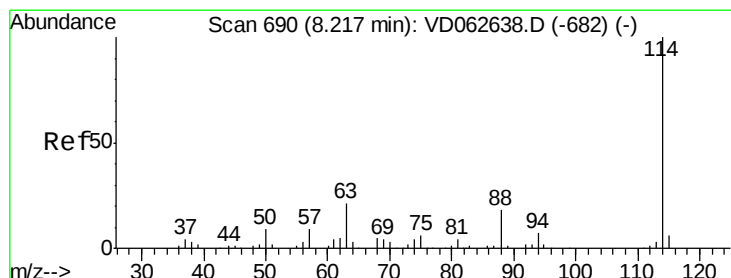
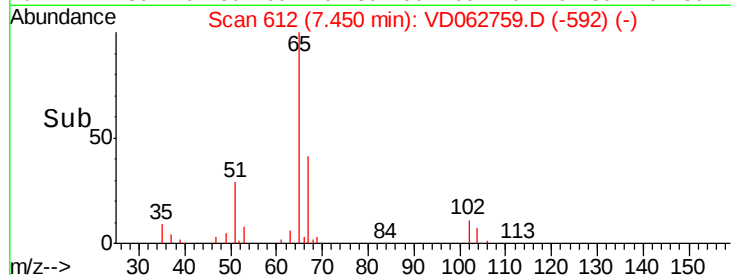
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062759.D

Acq: 18 Jun 2019 19:36

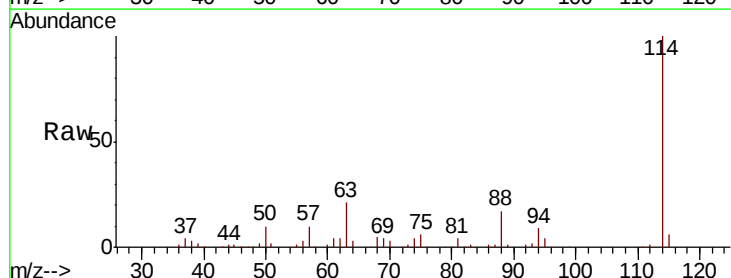
Tgt Ion: 114 Resp: 917441

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.4

88 17.2 0.0 36.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

400000

300000

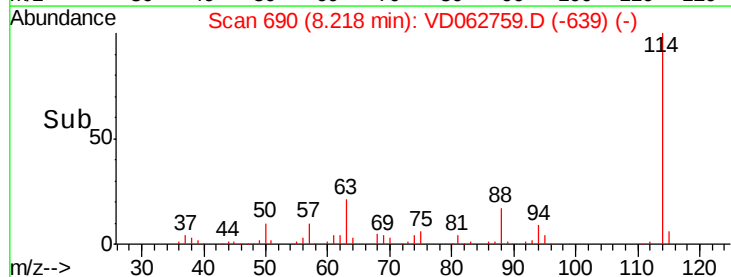
200000

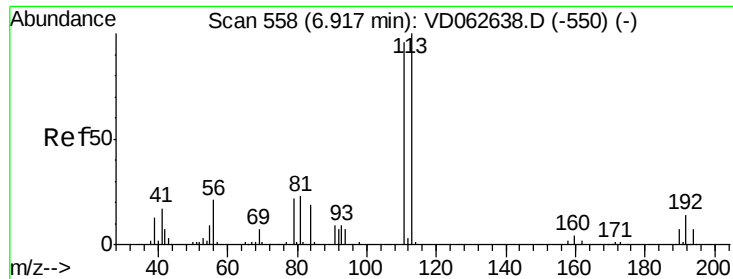
100000

0

Time-->

8.10 8.20 8.30 8.40

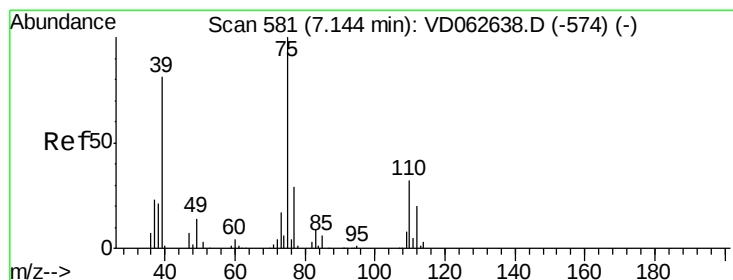
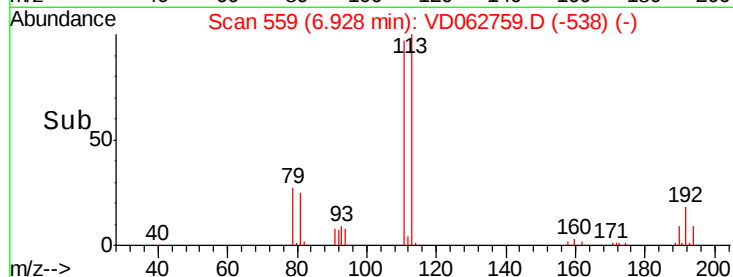
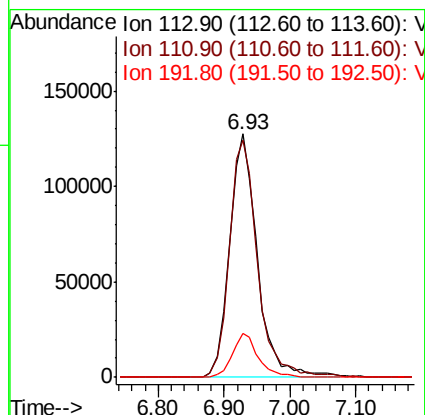
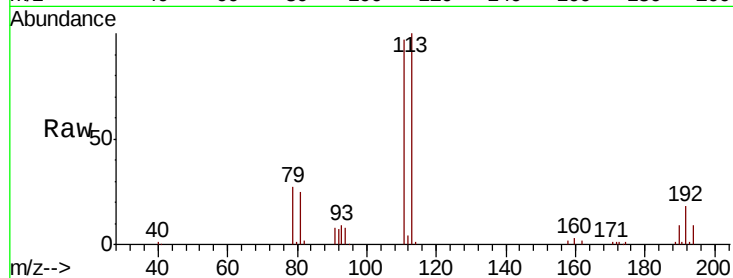




#35
 Dibromofluoromethane
 Concen: 38.815 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD062759.D
 Acq: 18 Jun 2019 19:36

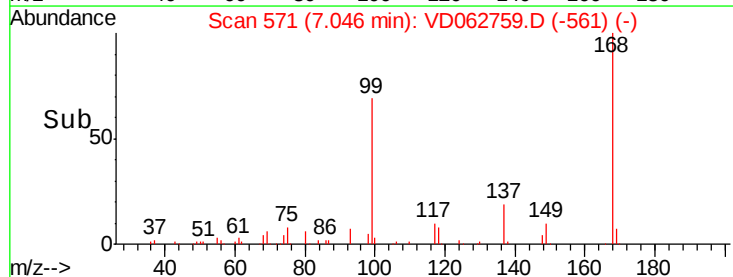
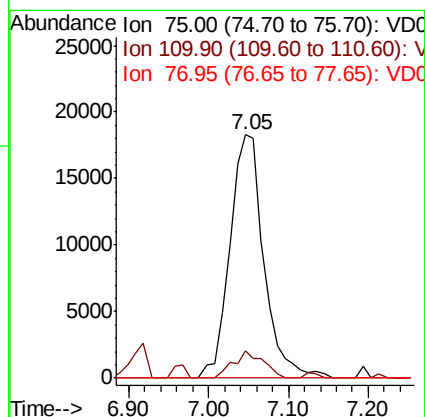
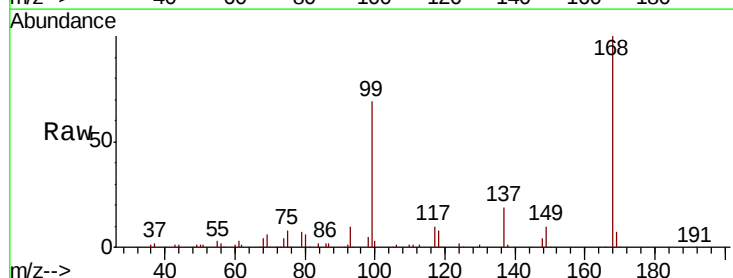
Instrument :
 MSVOA_D
 ClientSampleId :

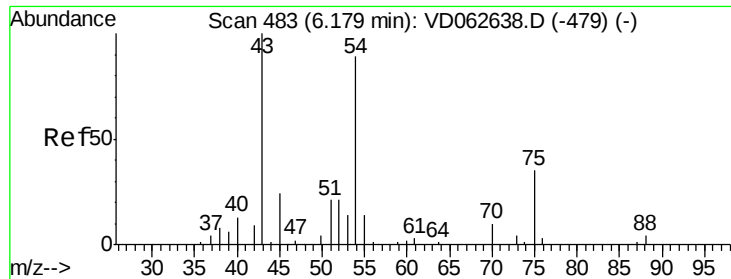
Tot Ion:113 Resp: 375558
 Ion Ratio Lower Upper
 113 100
 111 97.2 76.4 114.6
 192 18.0 11.4 17.0#



#36
 1,1-Dichloropropene
 Concen: 5.177 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD062759.D
 Acq: 18 Jun 2019 19:36

Tgt Ion: 75 Resp: 54358
 Ion Ratio Lower Upper
 75 100
 110 11.0 15.9 47.7#
 77 0.0 23.3 34.9#

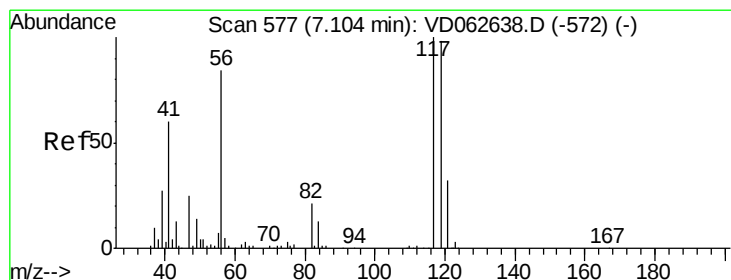
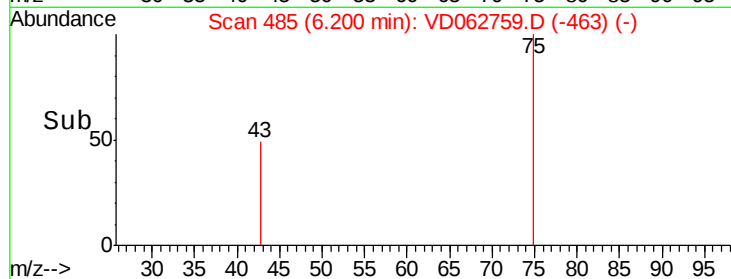
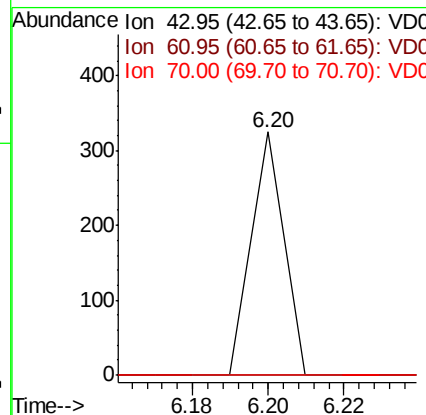
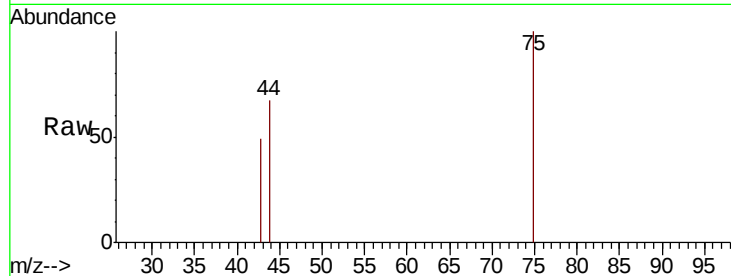




#37
Ethyl Acetate
Concen: 1.243 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.02 min
Lab File: VD062759.D
Acq: 18 Jun 2019 19:36

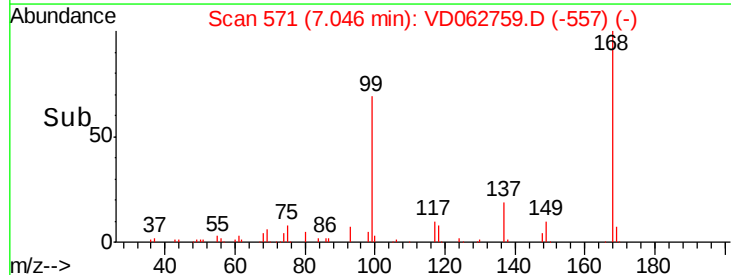
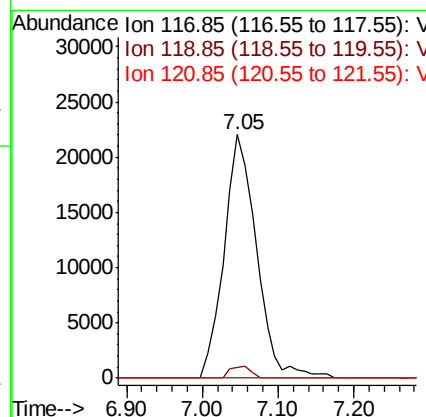
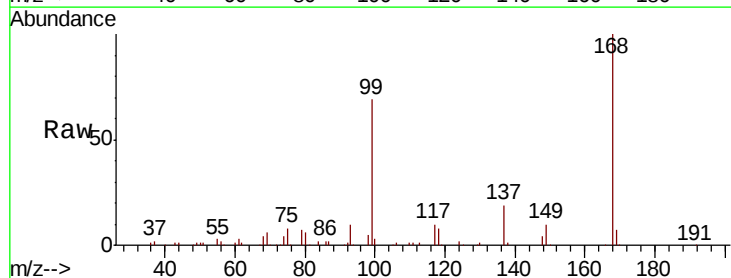
Instrument :
MSVOA_D
ClientSampleId :

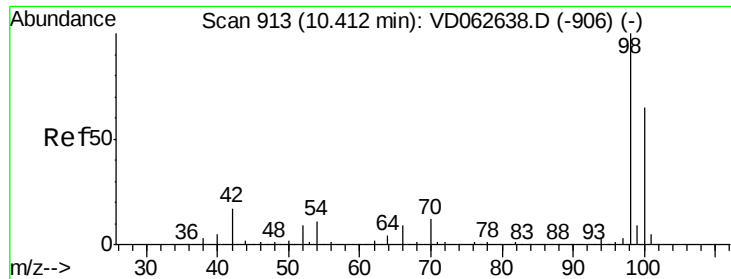
Tot Ion: 43 Resp: 192
Ion Ratio Lower Upper
43 100
61 0.0 8.7 13.1#
70 0.0 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 3.958 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.06 min
Lab File: VD062759.D
Acq: 18 Jun 2019 19:36

Tgt Ion: 117 Resp: 65687
Ion Ratio Lower Upper
117 100
119 4.4 73.5 110.3#
121 0.0 24.2 36.4#

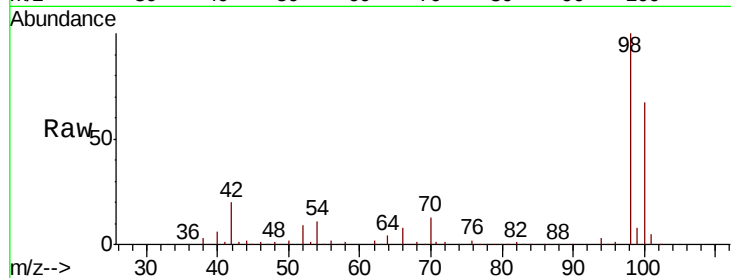




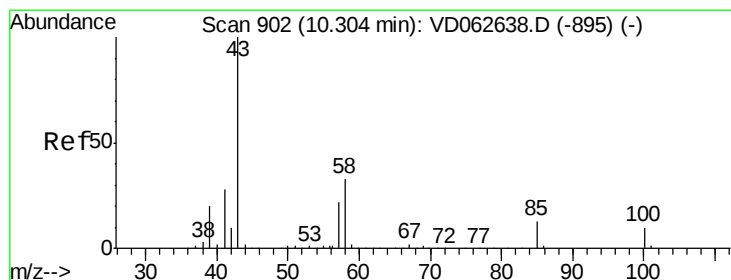
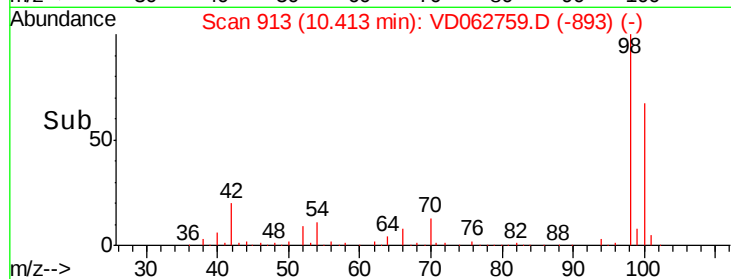
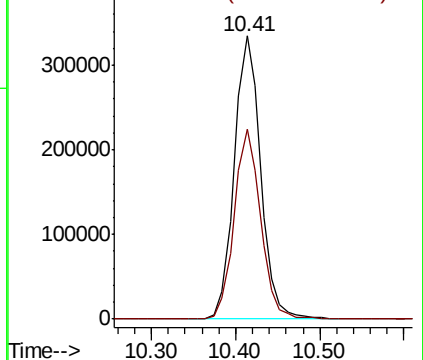
#50
Toluene-d8
Concen: 35.845 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062759.D
Acq: 18 Jun 2019 19:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 729595
Ion Ratio Lower Upper
98 100
100 67.2 52.1 78.1

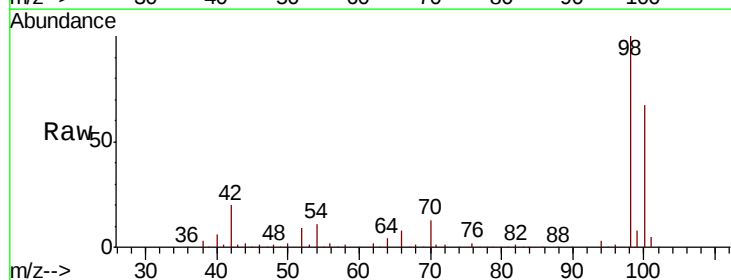


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

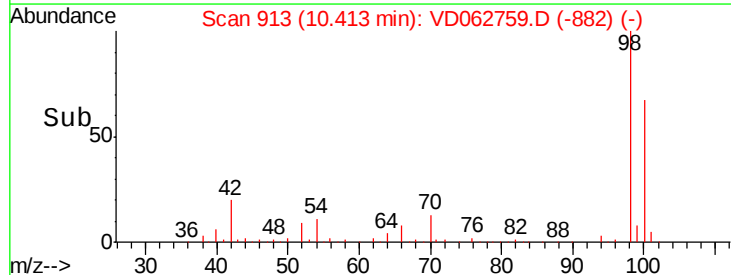
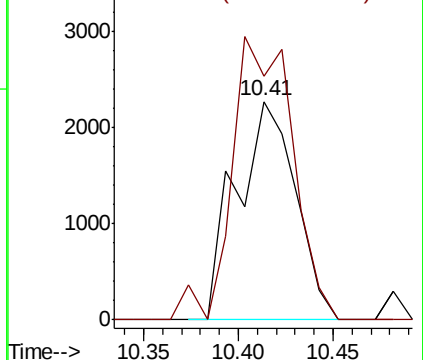


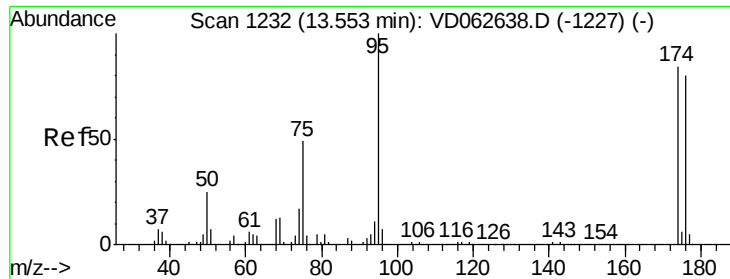
#51
4-Methyl-2-Pentanone
Concen: 1.276 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.11 min
Lab File: VD062759.D
Acq: 18 Jun 2019 19:36

Tgt Ion: 43 Resp: 4945
Ion Ratio Lower Upper
43 100
58 111.4 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

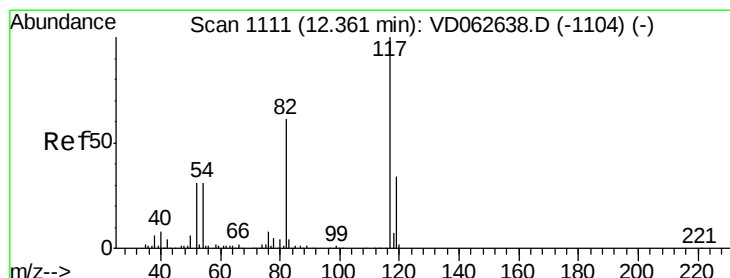
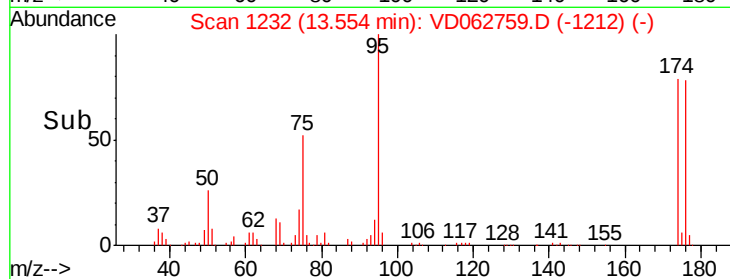
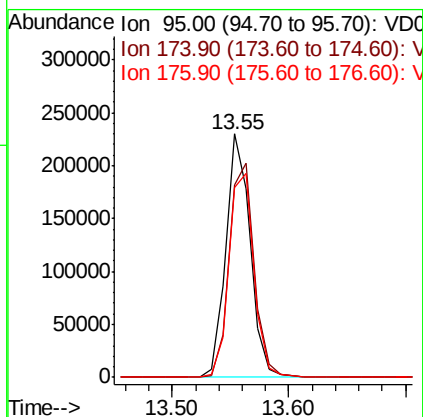
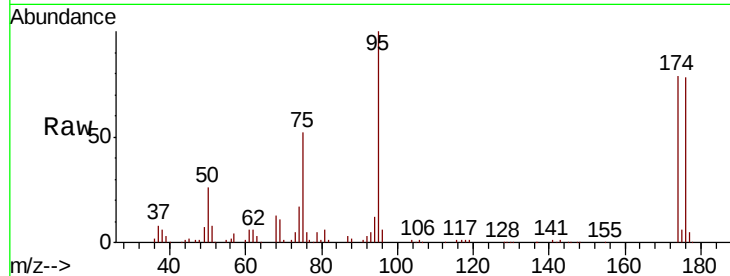




#62
4-Bromofluorobenzene
Concen: 34.956 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062759.D
Acq: 18 Jun 2019 19:36

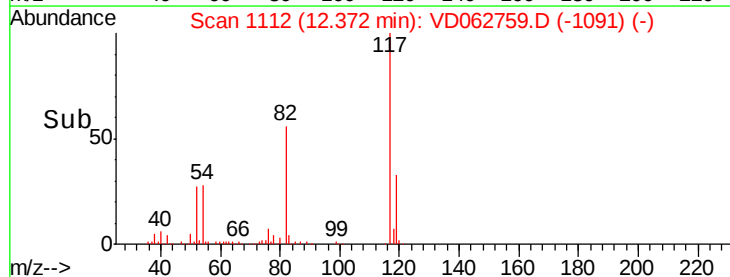
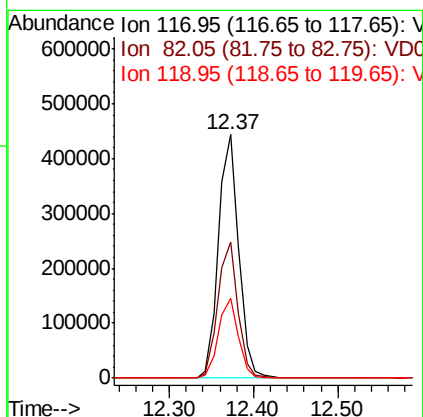
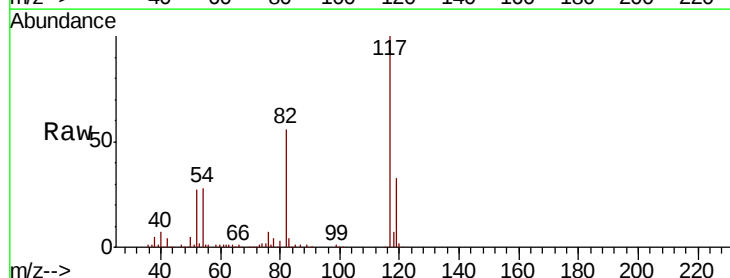
Instrument :
MSVOA_D
ClientSampleId :

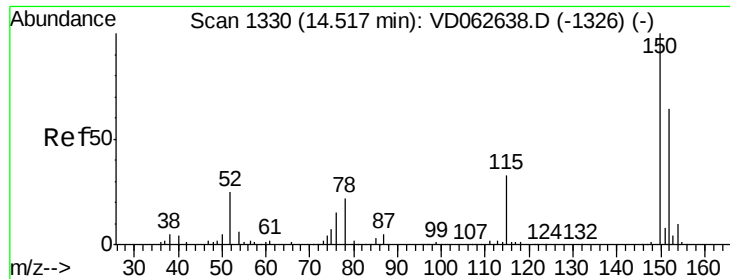
Tot Ion	95	Resp	331941
Ion Ratio	Lower	Upper	
95	100		
174	79.1	0.0	167.0
176	78.1	0.0	159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062759.D
Acq: 18 Jun 2019 19:36

Tgt Ion	117	Resp	744231
Ion Ratio	Lower	Upper	
117	100		
82	56.1	48.7	73.1
119	32.7	27.0	40.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062759.D

Acq: 18 Jun 2019 19:36

Instrument :

MSVOA_D

ClientSampleId :

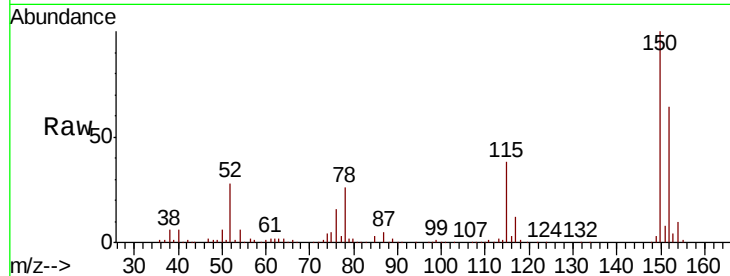
Tot Ion:152 Resp: 387086

Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.5

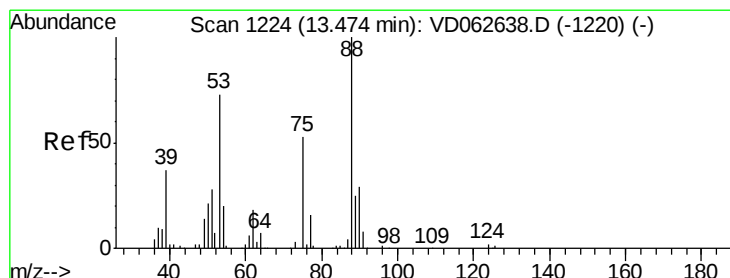
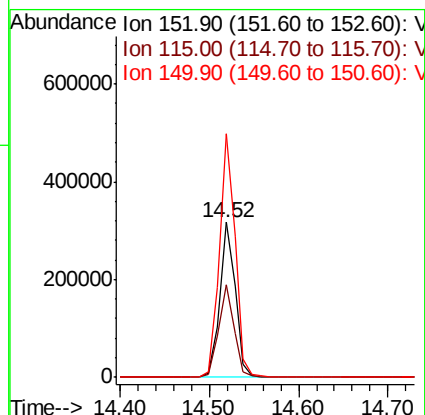
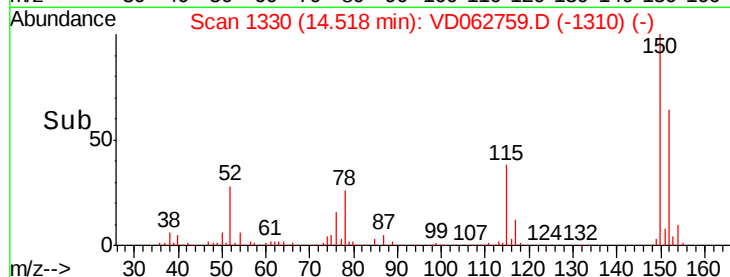
150 156.8 0.0 314.0



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: 103.630 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062759.D

Acq: 18 Jun 2019 19:36

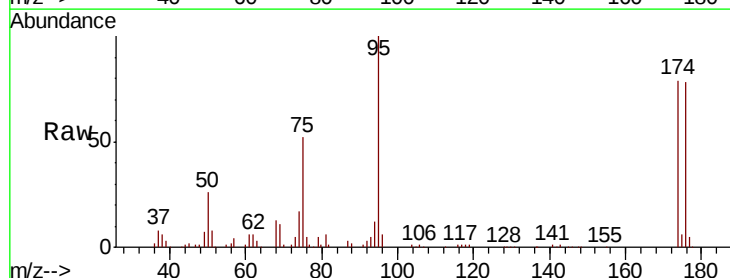
Tgt Ion: 75 Resp: 168350

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

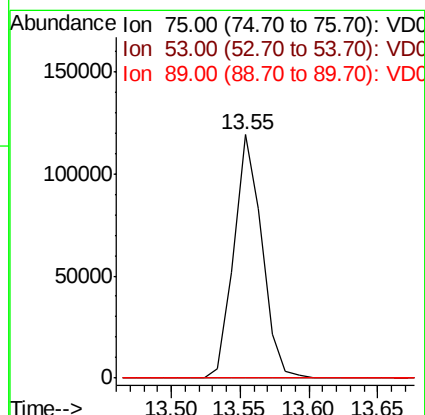
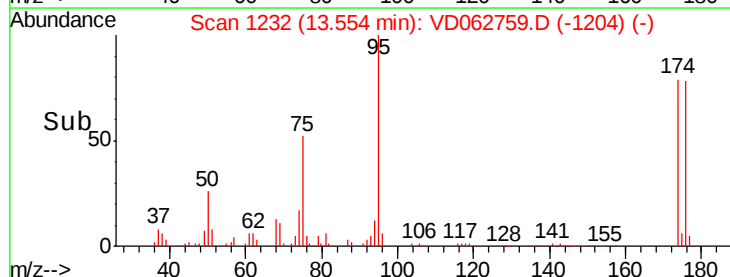
89 0.0 37.0 55.6#

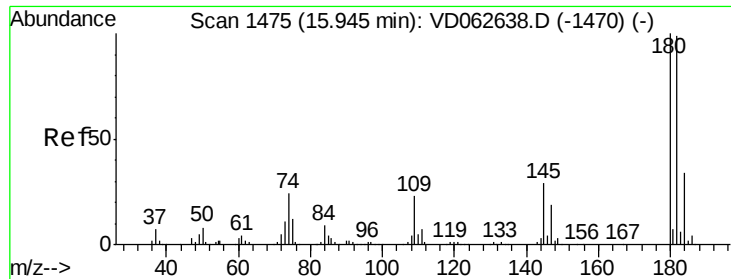


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

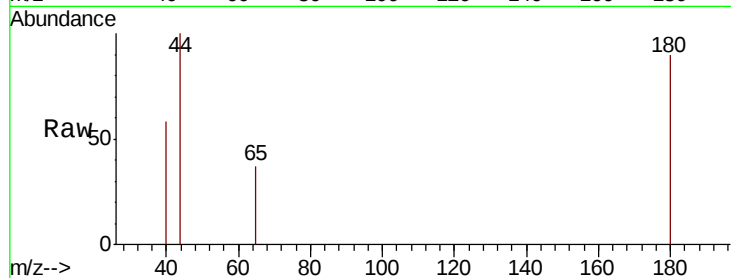




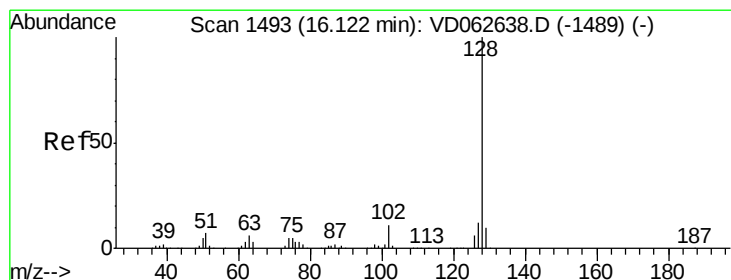
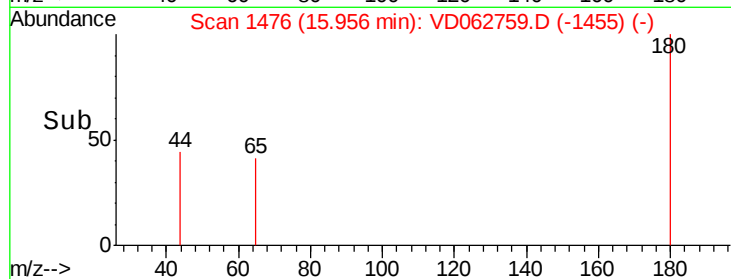
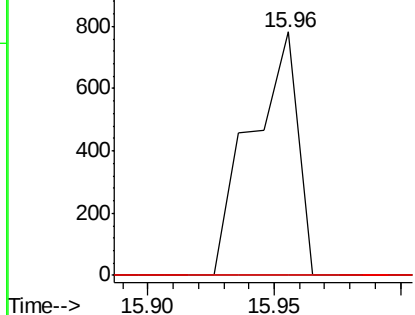
#93
 1,2,4-Trichlorobenzene
 Concen: 3.662 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062759.D
 Acq: 18 Jun 2019 19:36

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 1008
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.4 148.2#
 145 0.0 14.5 43.6#

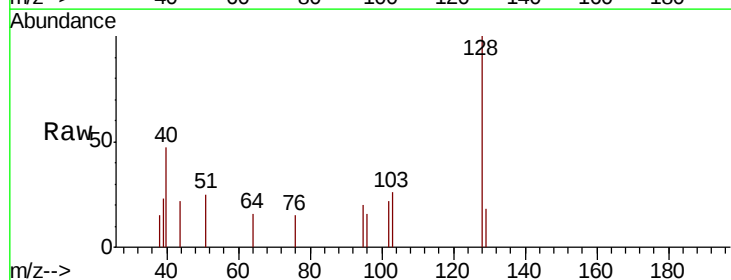


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 3.573 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VD062759.D
 Acq: 18 Jun 2019 19:36

Tgt Ion:128 Resp: 1862
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.7 14.5#
 129 17.8 8.1 12.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

