

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061719\
 Data File : VD062719.D
 Acq On : 17 Jun 2019 11:37
 Operator : VA/AP
 Sample : VD0617SBL01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBL01

Quant Time: Jun 17 12:05:16 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	816143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1090788	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	867514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	506524	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	553589	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
35) Dibromofluoromethane	6.92	113	571210	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	10.41	98	1239809	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	13.55	95	569152	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	

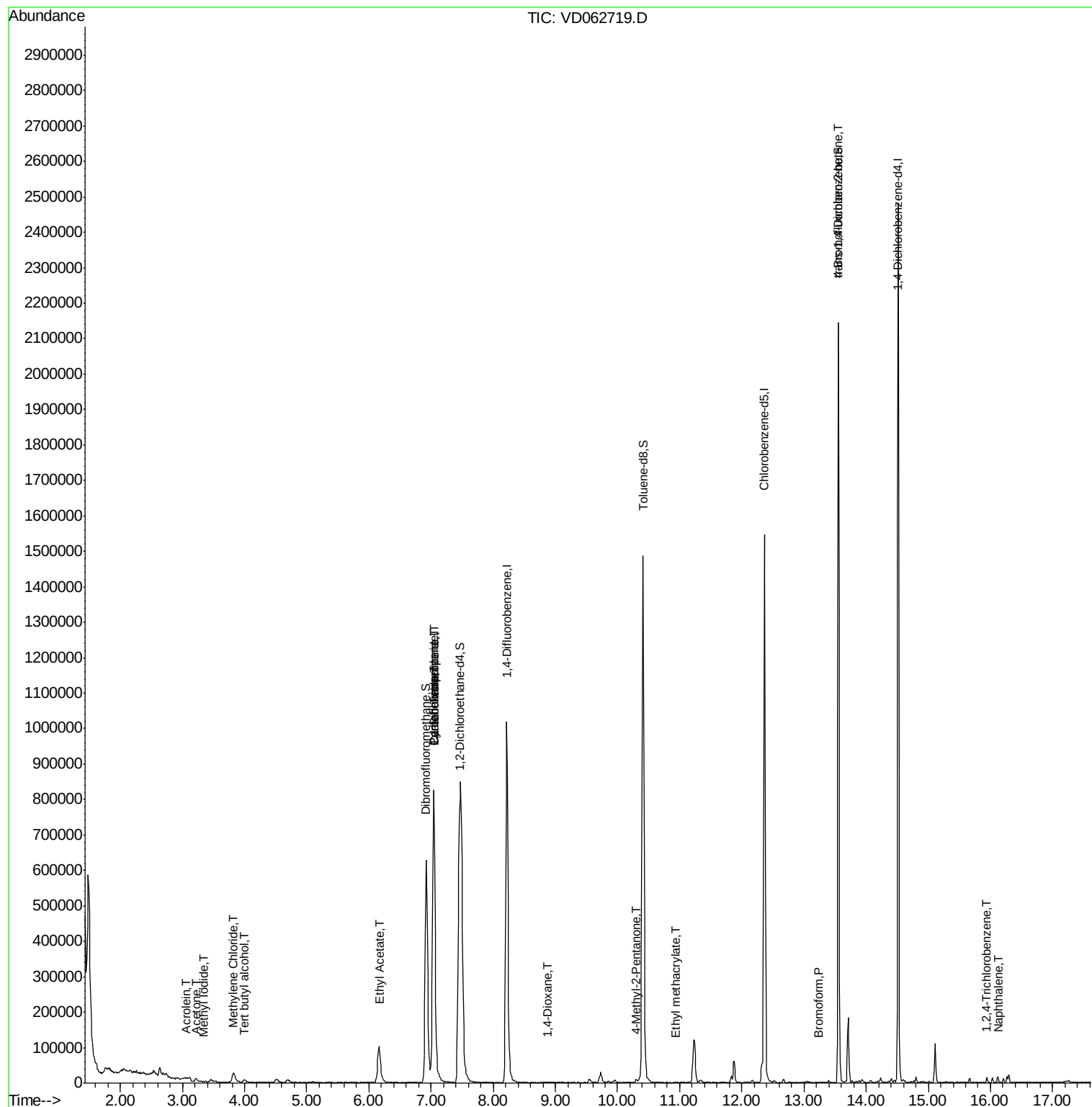
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.58	85	4601	Below Cal	# 42
10) Methyl Iodide	3.33	142	3265	4.215 ug/l	# 67
11) Tert butyl alcohol	3.99	59	7932	16.385 ug/l	# 61
13) Acrolein	3.05	56	252	1.618 ug/l	# 12
16) Acetone	3.23	43	20223	9.378 ug/l	# 89
20) Methylene Chloride	3.82	84	13976	1.285 ug/l	# 80
31) Cyclohexane	7.05	56	18923	2.036 ug/l	# 8
36) 1,1-Dichloropropene	7.05	75	64499	5.167 ug/l	# 53
37) Ethyl Acetate	6.18	43	12450	3.484 ug/l	# 81
38) Carbon Tetrachloride	7.04	117	83177	4.215 ug/l	# 17
49) 1,4-Dioxane	8.88	88	237	52.570 ug/l	# 21
51) 4-Methyl-2-Pentanone	10.29	43	11361	2.465 ug/l	# 91
56) Ethyl methacrylate	10.93	69	193	3.966 ug/l	# 29
71) Bromoform	13.24	173	214	2.860 ug/l	# 38
81) trans-1,4-Dichloro-2-buten	13.55	75	280323	130.807 ug/l	# 1
93) 1,2,4-Trichlorobenzene	15.93	180	4102	3.860 ug/l	# 77
95) Naphthalene	16.12	128	10688	3.991 ug/l	# 93

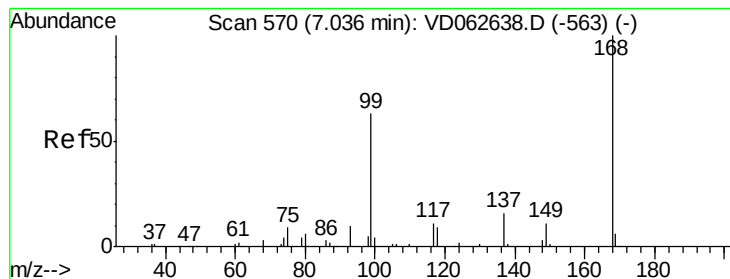
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD061719\
Data File : VD062719.D
Acq On : 17 Jun 2019 11:37
Operator : VA/AP
Sample : VD0617SBL01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBL01

Quant Time: Jun 17 12:05:16 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: VD062719.D

Acq: 17 Jun 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

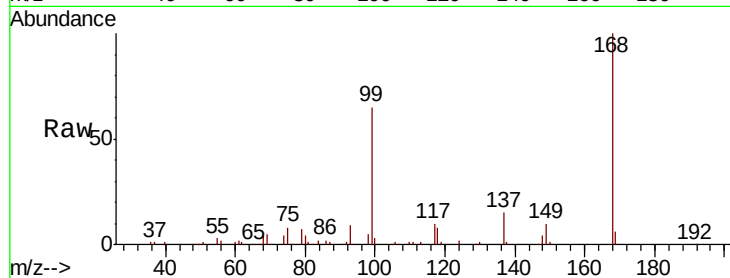
VD0617SBL01

Tgt Ion: 168 Resp: 816143

Ion Ratio Lower Upper

168 100

99 64.6 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

300000

250000

200000

150000

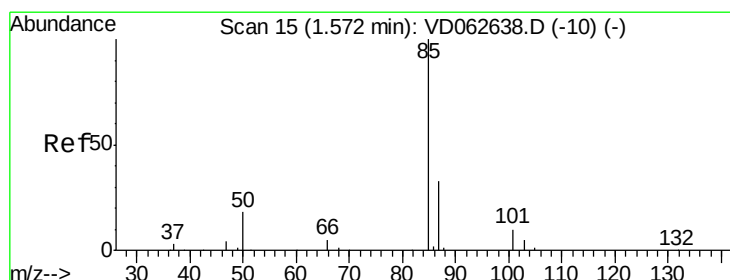
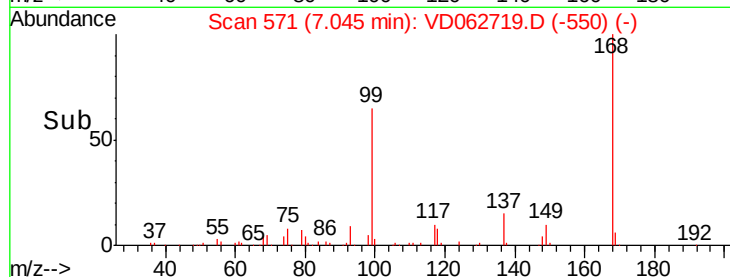
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062719.D

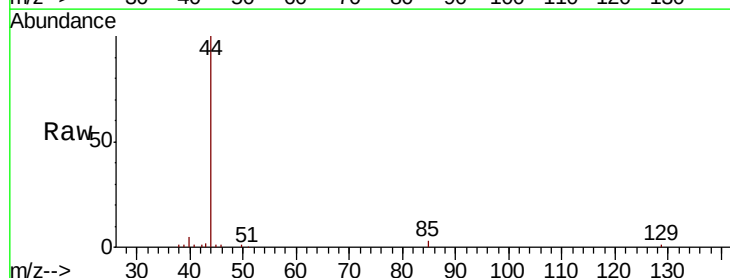
Acq: 17 Jun 2019 11:37

Tgt Ion: 85 Resp: 4601

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

1.58

2500

2000

1500

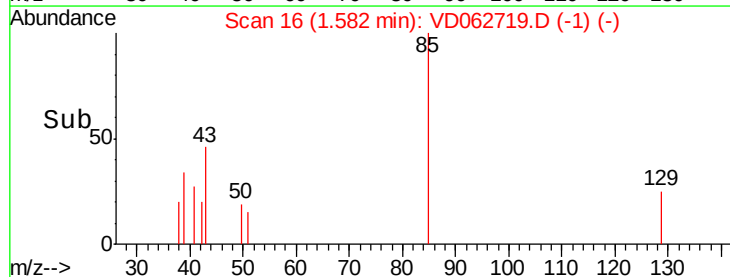
1000

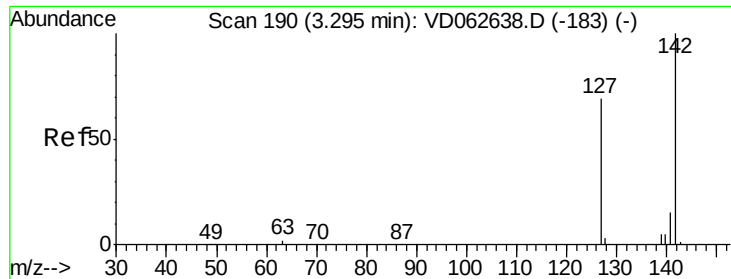
500

0

Time-->

1.55 1.60 1.65

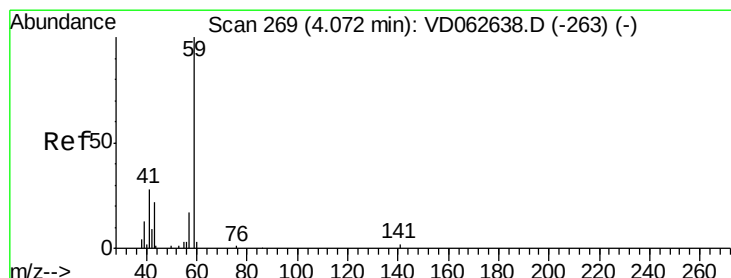
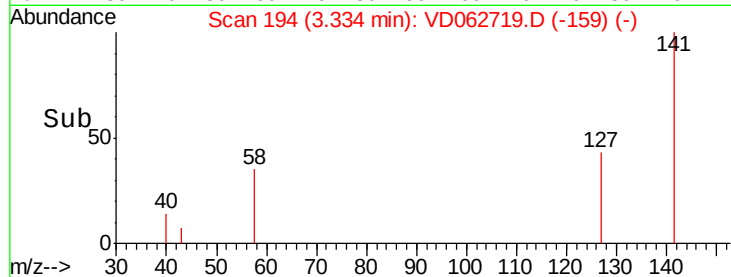
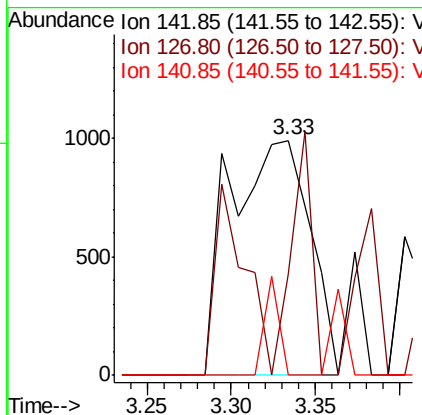
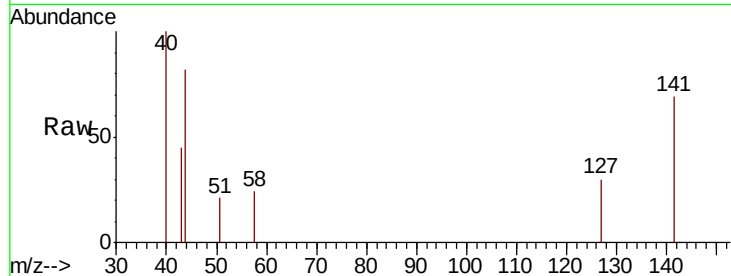




#10
Methyl Iodide
Concen: 4.215 ug/l
RT: 3.33 min Scan# 194
Delta R.T. 0.04 min
Lab File: VD062719.D
Acq: 17 Jun 2019 11:37

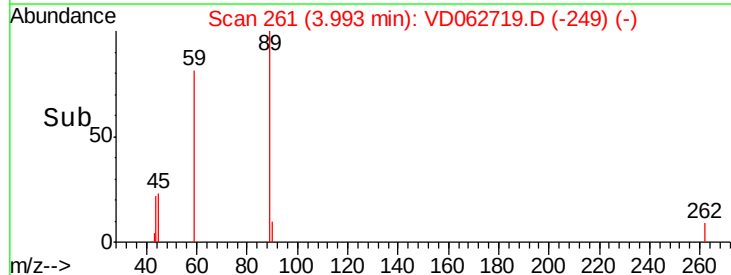
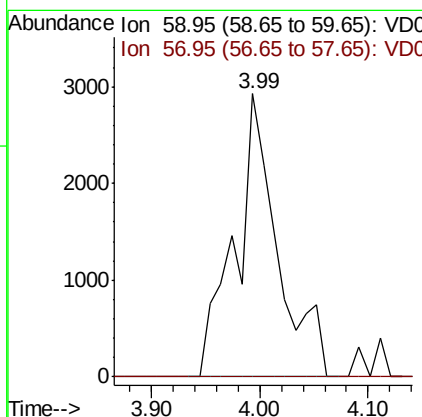
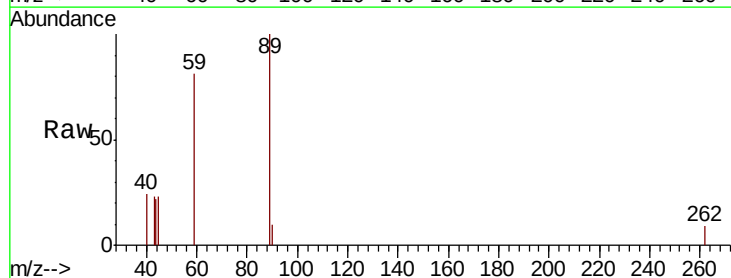
Instrument :
MSVOA_D
ClientSampleId :
VD0617SBL01

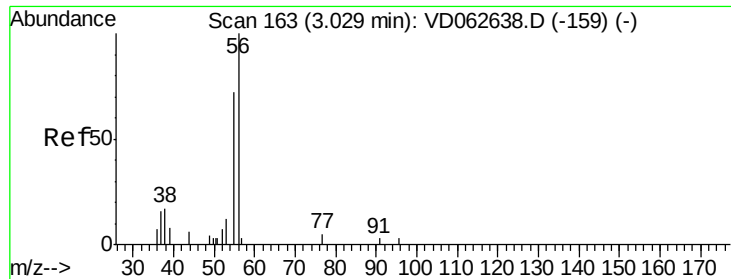
Tgt Ion:142 Resp: 3265
Ion Ratio Lower Upper
142 100
127 43.0 55.2 82.8#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 16.385 ug/l
RT: 3.99 min Scan# 261
Delta R.T. -0.08 min
Lab File: VD062719.D
Acq: 17 Jun 2019 11:37

Tgt Ion: 59 Resp: 7932
Ion Ratio Lower Upper
59 100
57 0.0 13.7 20.5#





#13

Acrolein

Concen: 1.618 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD062719.D

Acq: 17 Jun 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

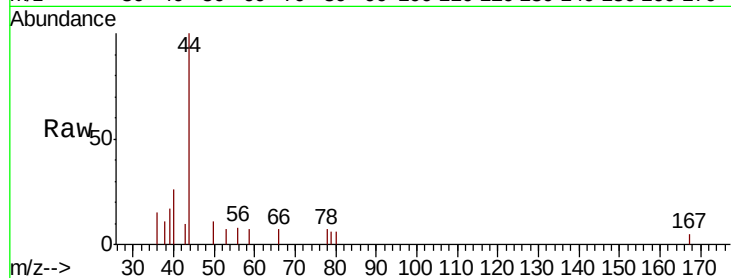
VD0617SBL01

Tgt Ion: 56 Resp: 252

Ion Ratio Lower Upper

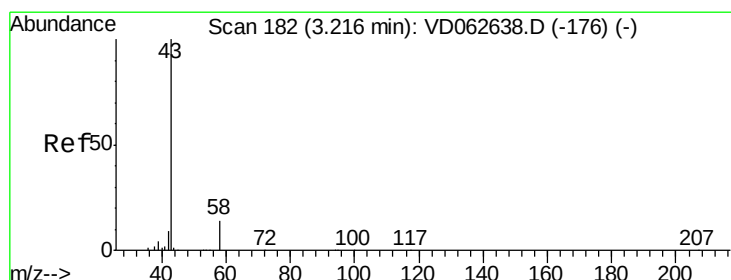
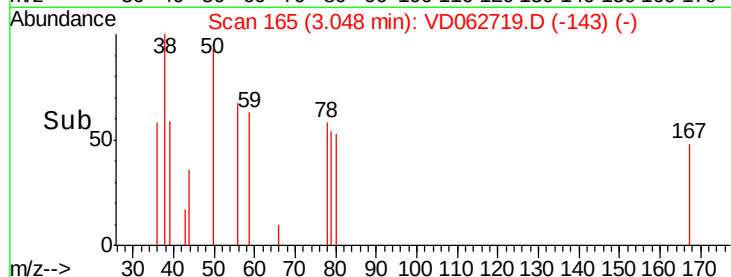
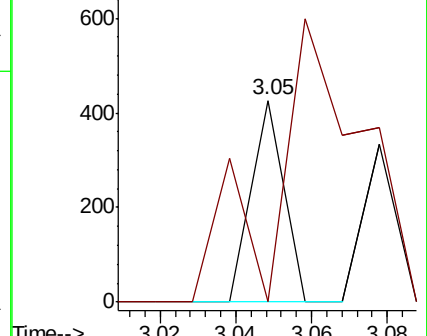
56 100

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: 9.378 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD062719.D

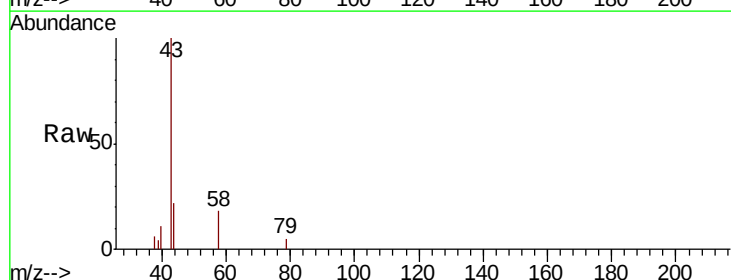
Acq: 17 Jun 2019 11:37

Tgt Ion: 43 Resp: 20223

Ion Ratio Lower Upper

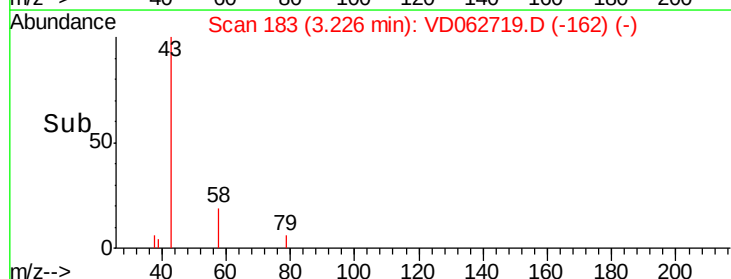
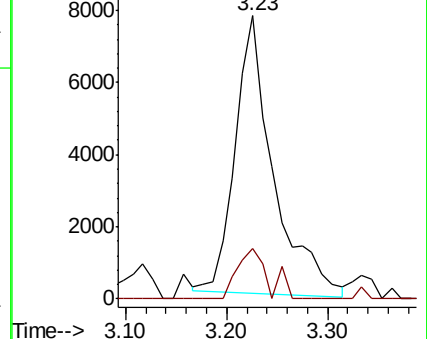
43 100

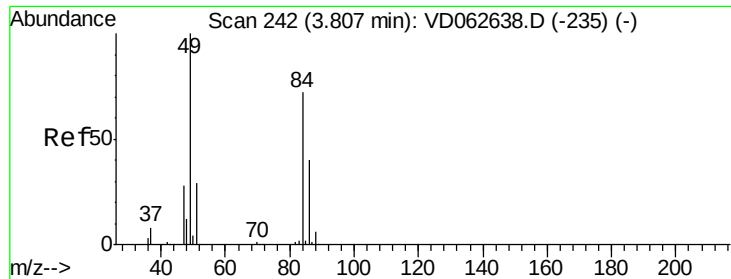
58 17.9 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

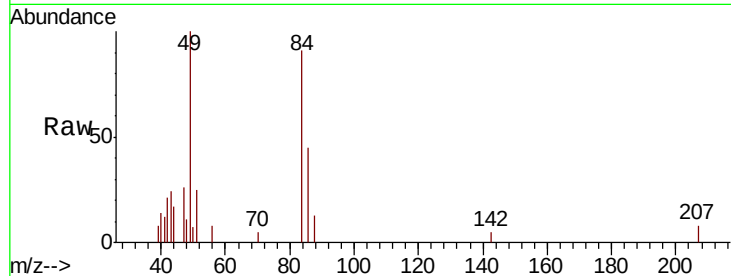




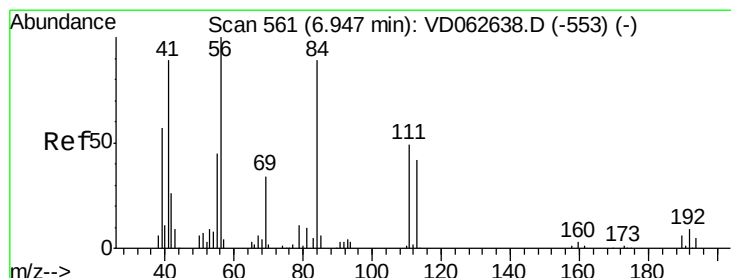
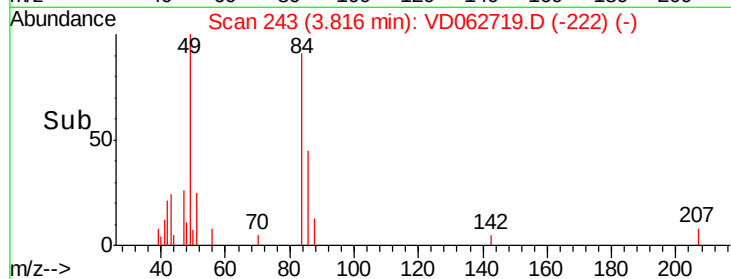
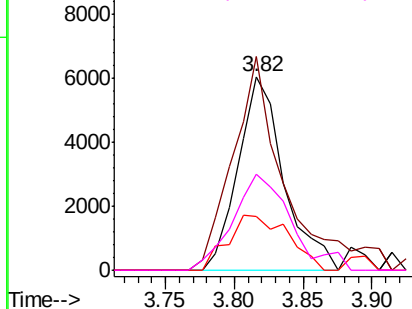
#20
Methylene Chloride
Concen: 1.285 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD062719.D
Acq: 17 Jun 2019 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBL01

Tgt Ion: 84 Resp: 13976
Ion Ratio Lower Upper
84 100
49 110.2 111.2 166.8#
51 27.5 31.9 47.9#
86 49.7 44.7 67.1

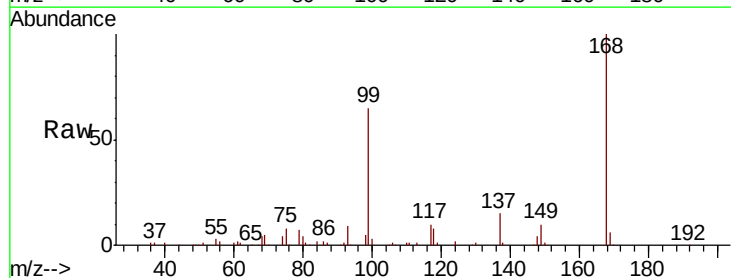


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

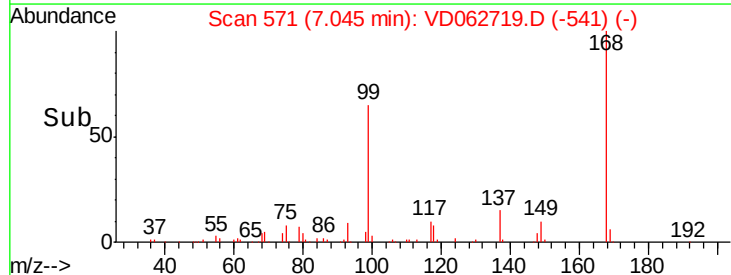
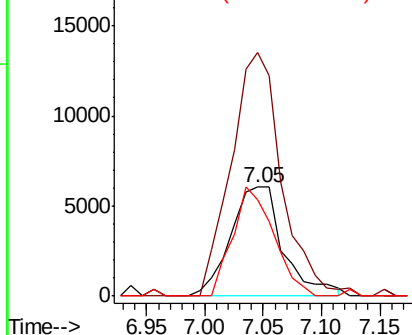


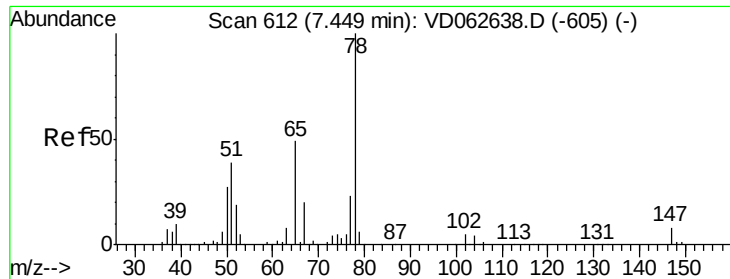
#31
Cyclohexane
Concen: 2.036 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.10 min
Lab File: VD062719.D
Acq: 17 Jun 2019 11:37

Tgt Ion: 56 Resp: 18923
Ion Ratio Lower Upper
56 100
69 223.1 26.8 40.2#
84 88.3 73.9 110.9



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

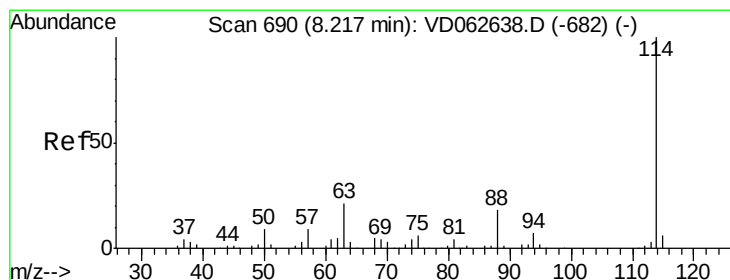
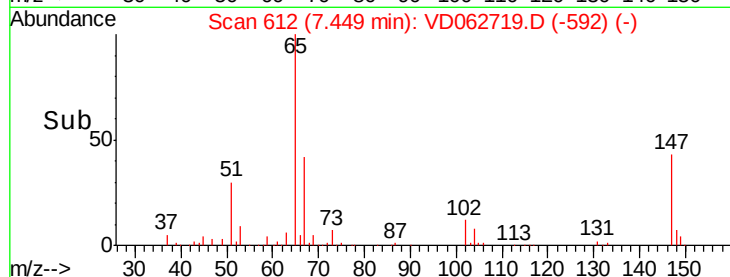
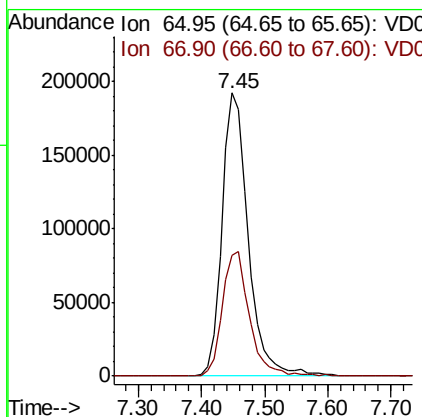
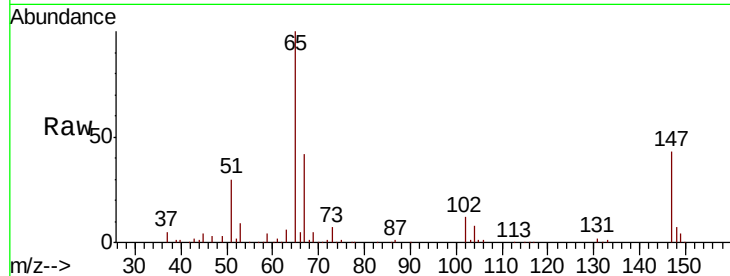




#33
 1,2-Dichloroethane-d4
 Concen: 47.006 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD062719.D
 Acq: 17 Jun 2019 11:37

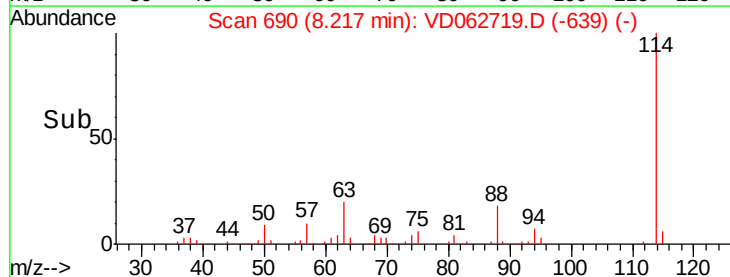
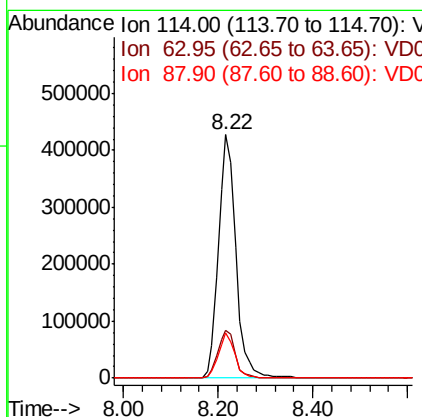
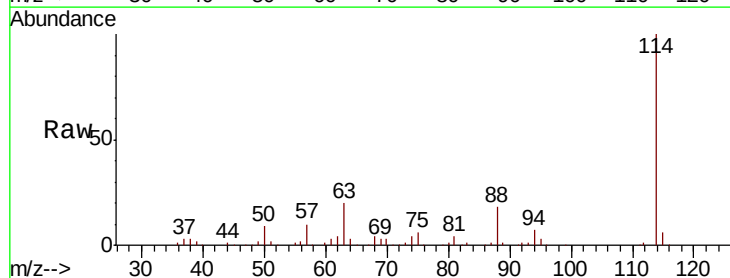
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBL01

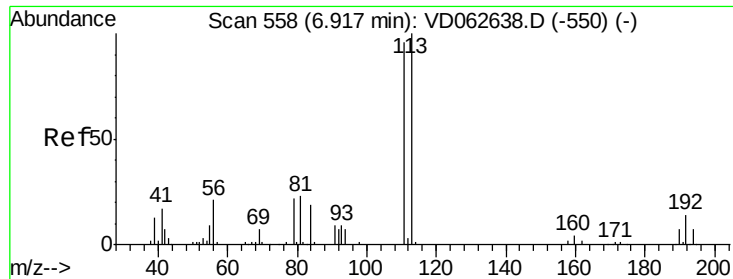
Tgt Ion: 65 Resp: 553589
 Ion Ratio Lower Upper
 65 100
 67 42.5 0.0 81.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062719.D
 Acq: 17 Jun 2019 11:37

Tgt Ion: 114 Resp: 1090788
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.4
 88 18.4 0.0 36.8





#35

Dibromofluoromethane

Concen: 49.654 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD062719.D

Acq: 17 Jun 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBL01

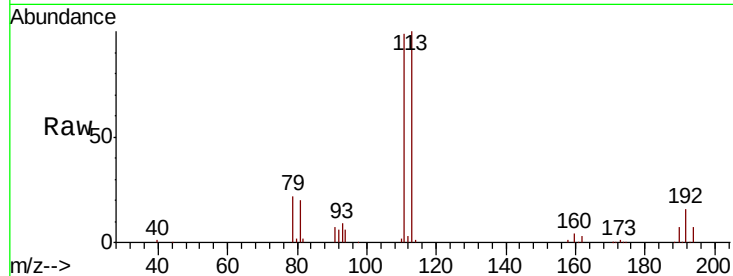
Tgt Ion:113 Resp: 571210

Ion Ratio Lower Upper

113 100

111 99.2 76.4 114.6

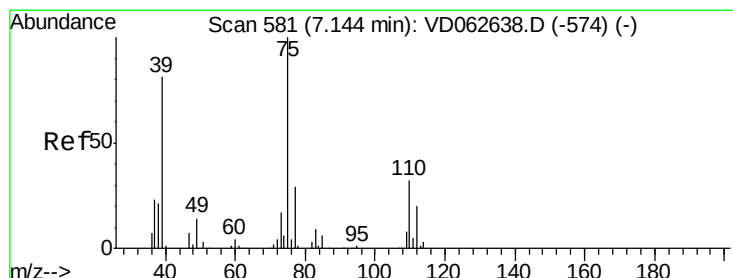
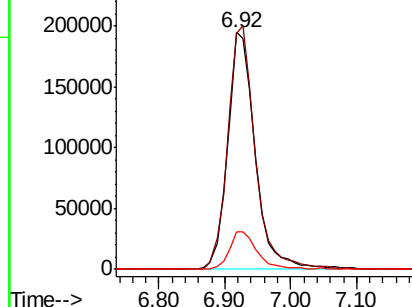
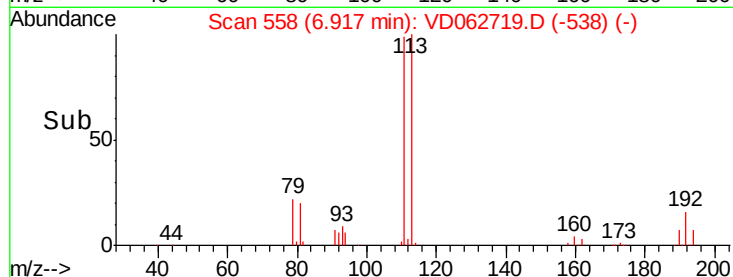
192 16.0 11.4 17.0



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: 5.167 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062719.D

Acq: 17 Jun 2019 11:37

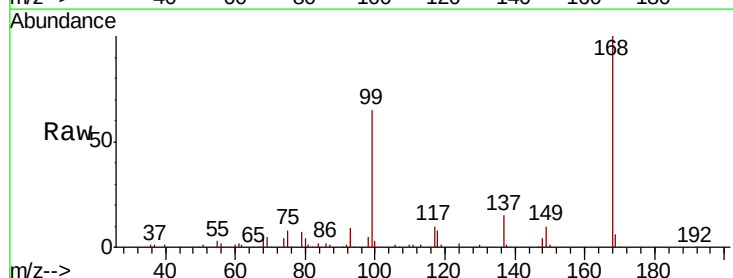
Tgt Ion: 75 Resp: 64499

Ion Ratio Lower Upper

75 100

110 9.5 15.9 47.7#

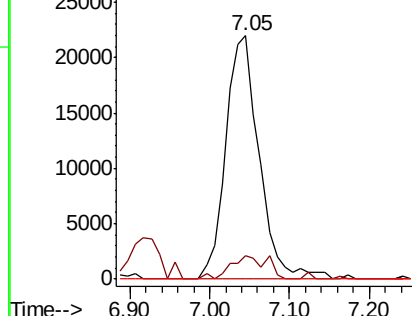
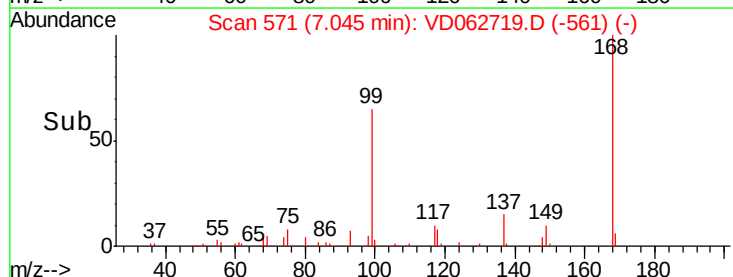
77 0.0 23.3 34.9#

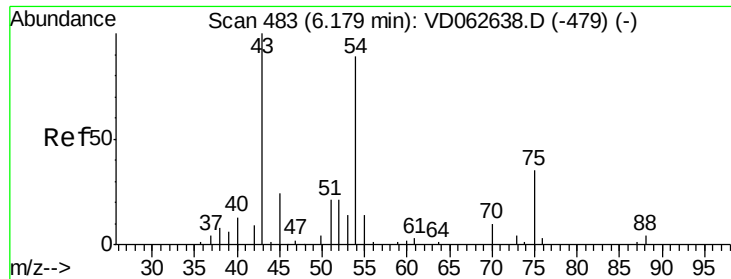


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

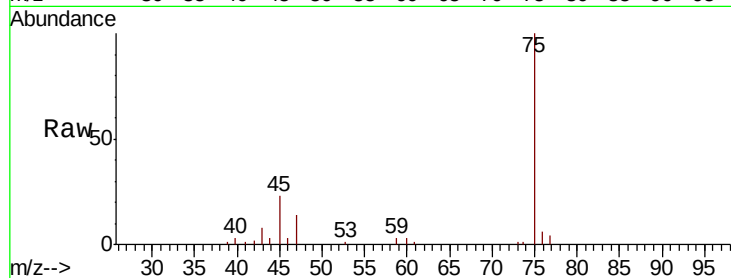




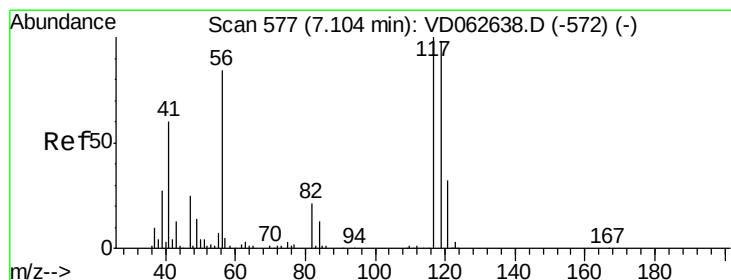
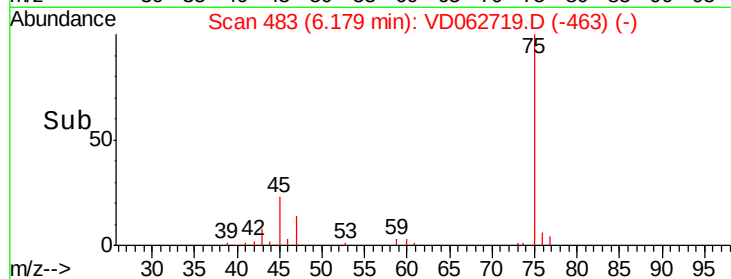
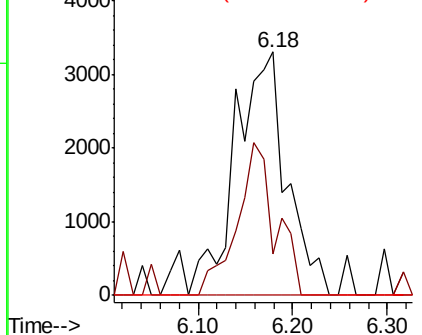
#37
Ethyl Acetate
 Concen: 3.484 ug/l
 RT: 6.18 min Scan# 483
 Delta R.T. -0.00 min
 Lab File: VD062719.D
 Acq: 17 Jun 2019 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0617SBL01

Tgt Ion: 43 Resp: 12450
 Ion Ratio Lower Upper
 43 100
 61 17.0 8.7 13.1#
 70 0.0 6.5 9.7#

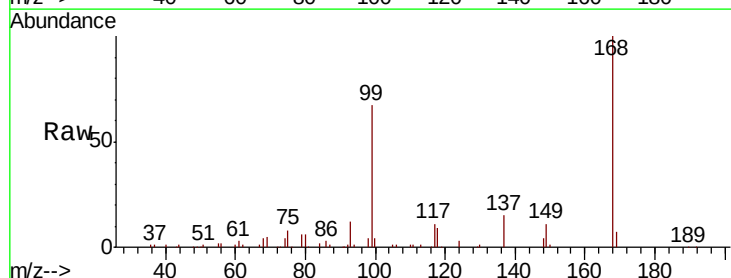


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

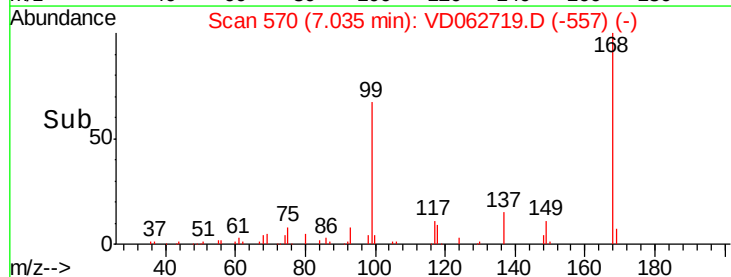
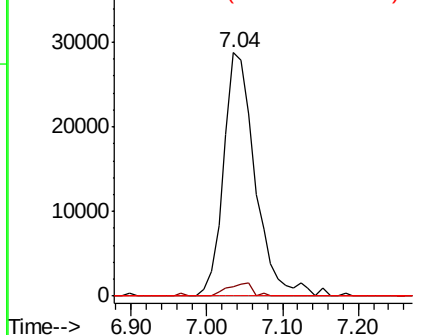


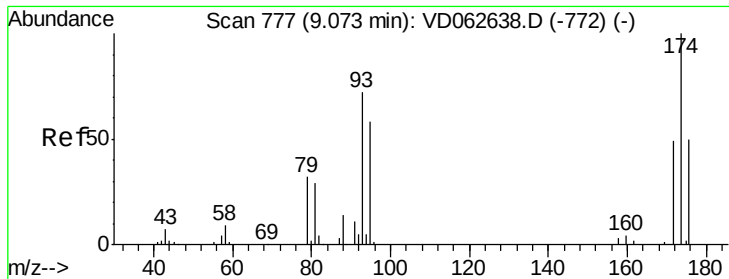
#38
Carbon Tetrachloride
 Concen: 4.215 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.07 min
 Lab File: VD062719.D
 Acq: 17 Jun 2019 11:37

Tgt Ion: 117 Resp: 83177
 Ion Ratio Lower Upper
 117 100
 119 3.8 73.5 110.3#
 121 0.0 24.2 36.4#



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

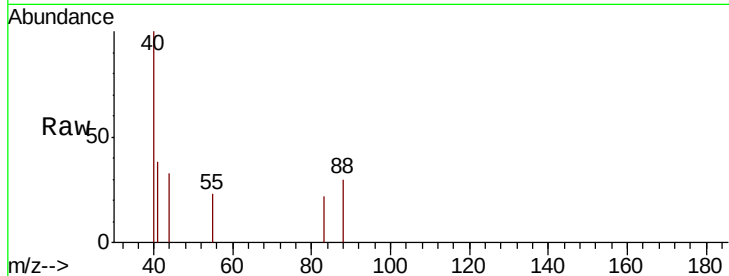




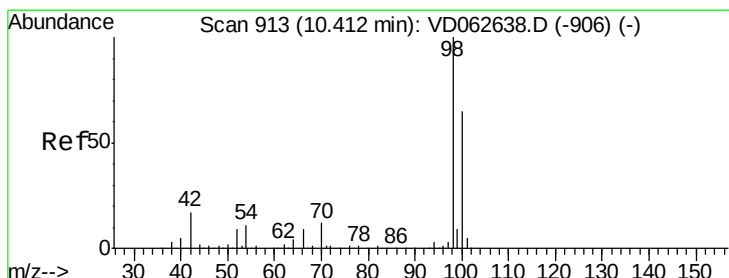
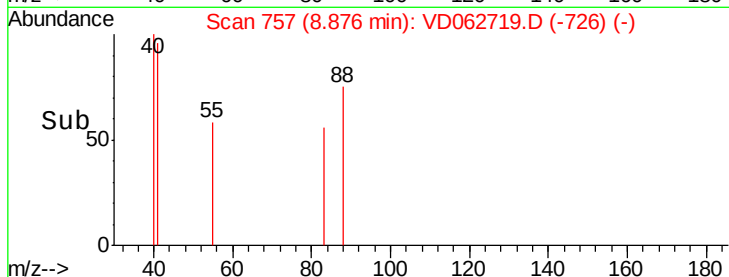
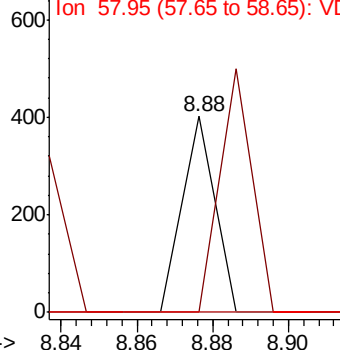
#49
1,4-Dioxane
Concen: 52.570 ug/l
RT: 8.88 min Scan# 757
Delta R.T. -0.20 min
Lab File: VD062719.D
Acq: 17 Jun 2019 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBL01

Tgt Ion: 88 Resp: 237
Ion Ratio Lower Upper
88 100
43 0.0 40.7 61.1#
58 0.0 54.2 81.4#

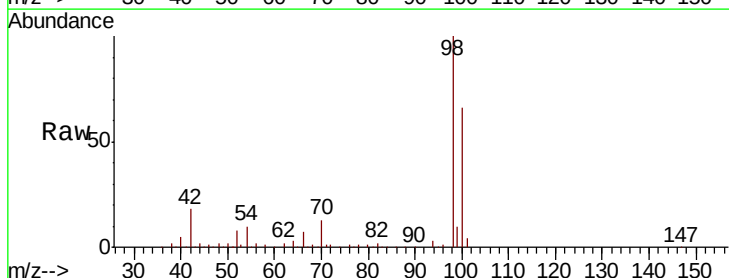


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

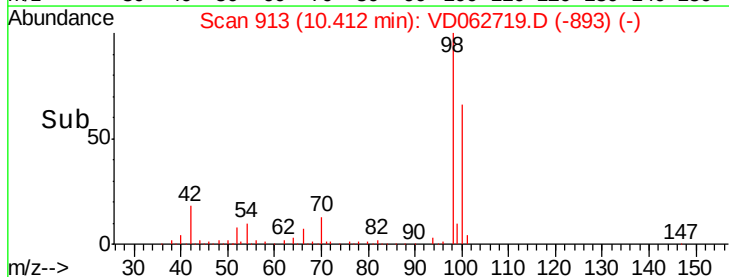
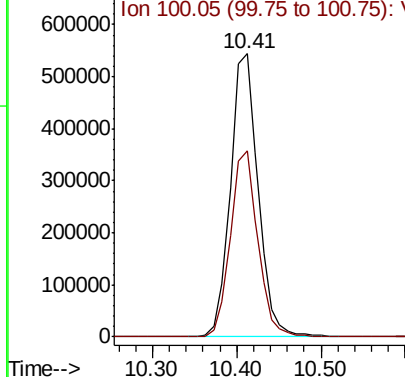


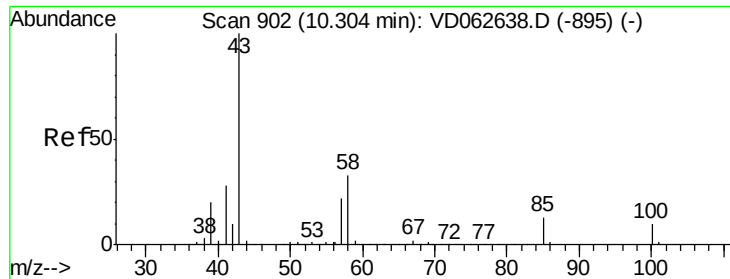
#50
Toluene-d8
Concen: 51.232 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062719.D
Acq: 17 Jun 2019 11:37

Tgt Ion: 98 Resp: 1239809
Ion Ratio Lower Upper
98 100
100 65.7 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: 2.465 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062719.D

Acq: 17 Jun 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

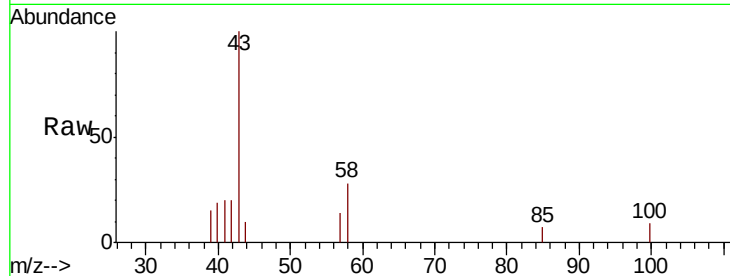
VD0617SBL01

Tgt Ion: 43 Resp: 11361

Ion Ratio Lower Upper

43 100

58 27.7 26.1 39.1

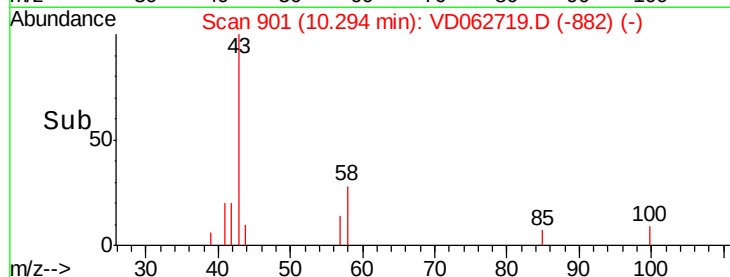


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

Time-->



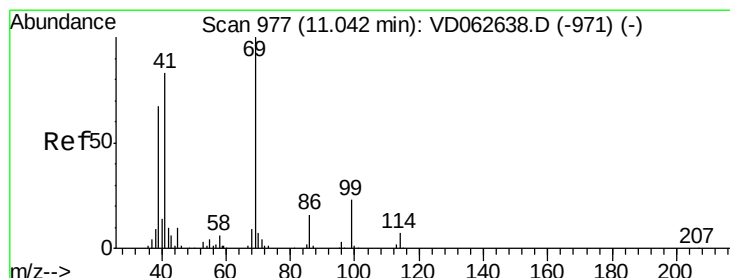
Abundance

Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

Time-->



#56

Ethyl methacrylate

Concen: 3.966 ug/l

RT: 10.93 min Scan# 966

Delta R.T. -0.11 min

Lab File: VD062719.D

Acq: 17 Jun 2019 11:37

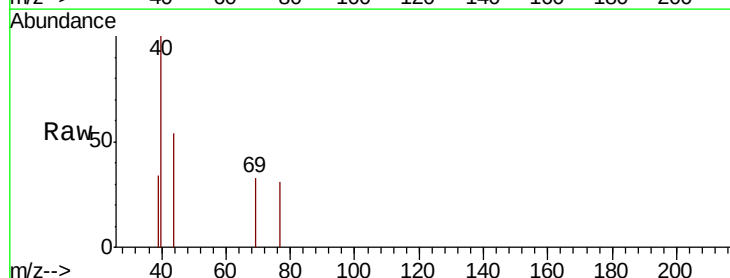
Tgt Ion: 69 Resp: 193

Ion Ratio Lower Upper

69 100

41 0.0 66.2 99.4#

39 103.7 53.8 80.8#



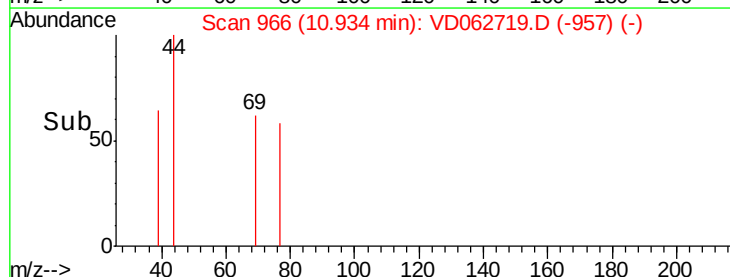
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.93

Time-->



Abundance

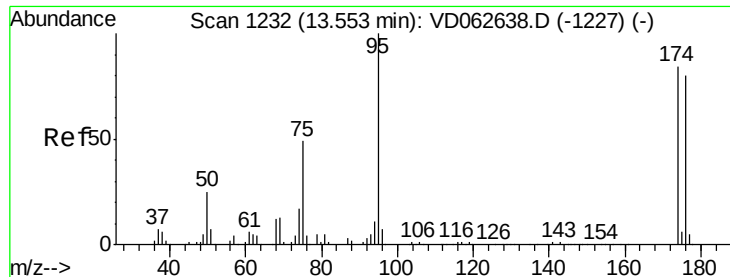
Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.93

Time-->



#62

4-Bromofluorobenzene

Concen: 50.411 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062719.D

Acq: 17 Jun 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBL01

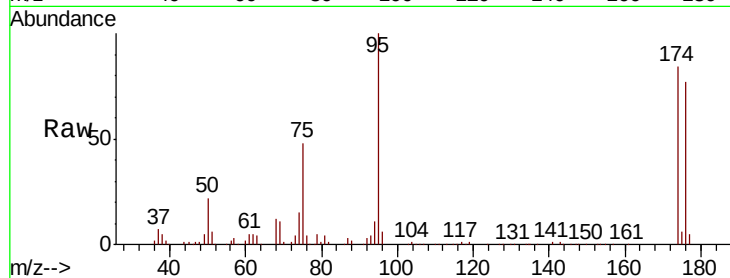
Tgt Ion: 95 Resp: 569152

Ion Ratio Lower Upper

95 100

174 83.5 0.0 167.0

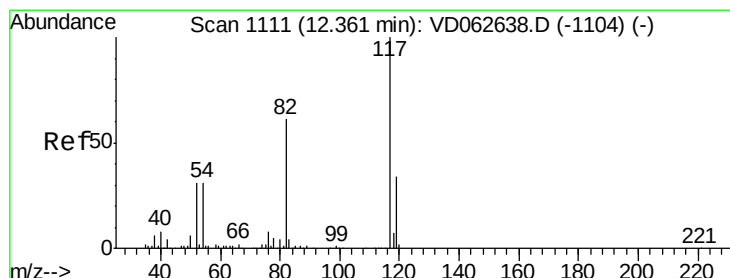
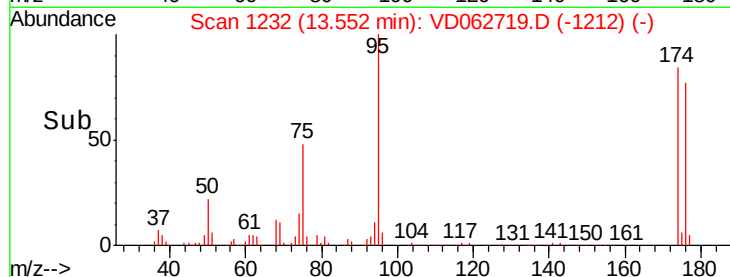
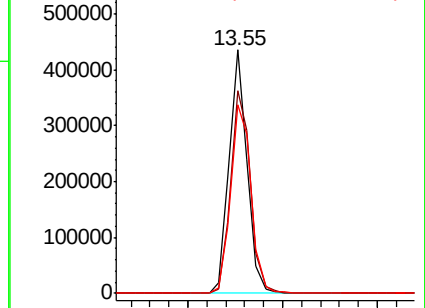
176 77.4 0.0 159.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD062719.D

Acq: 17 Jun 2019 11:37

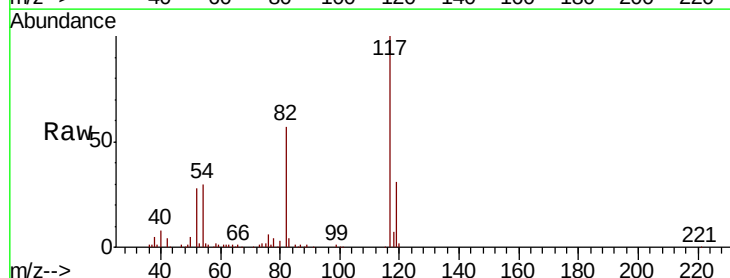
Tgt Ion: 117 Resp: 867514

Ion Ratio Lower Upper

117 100

82 56.6 48.7 73.1

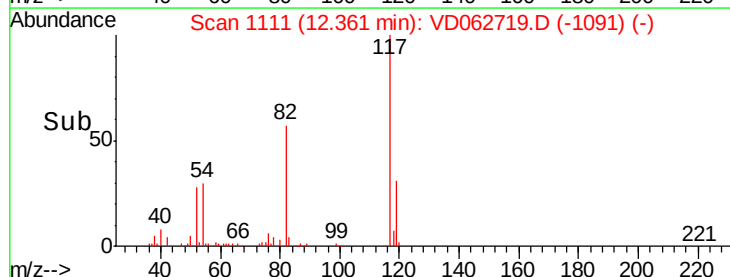
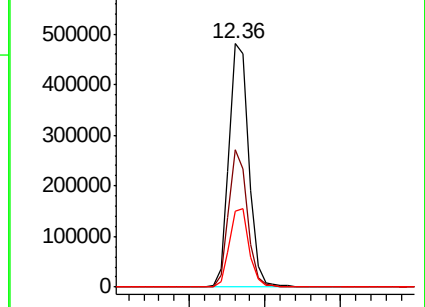
119 31.2 27.0 40.6

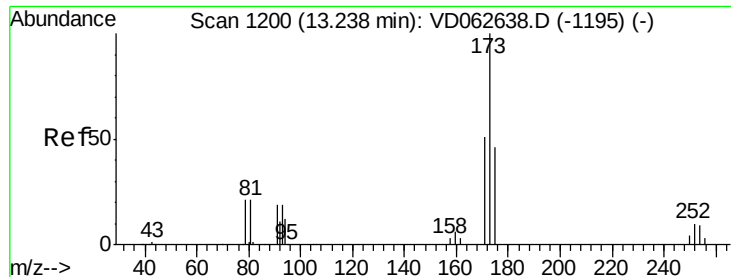


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#71

Bromoform

Concen: 2.860 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062719.D

Acq: 17 Jun 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBL01

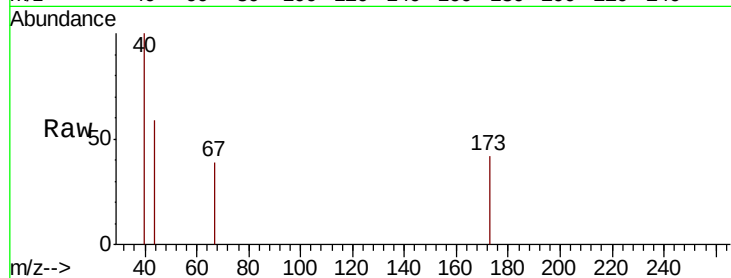
Tgt Ion:173 Resp: 214

Ion Ratio Lower Upper

173 100

175 0.0 22.9 68.7#

254 0.0 7.0 10.4#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V

13.24

400

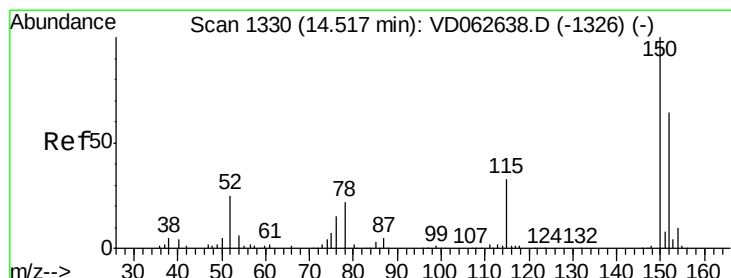
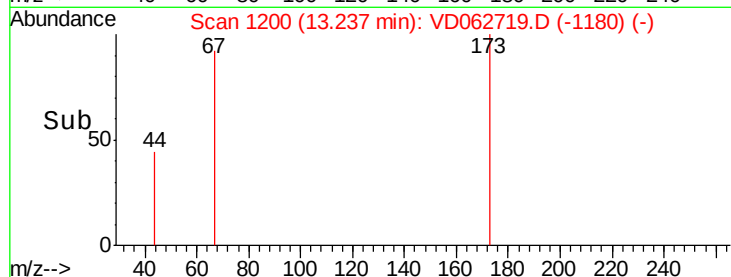
300

200

100

0

Time--> 13.20 13.22 13.24 13.26



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062719.D

Acq: 17 Jun 2019 11:37

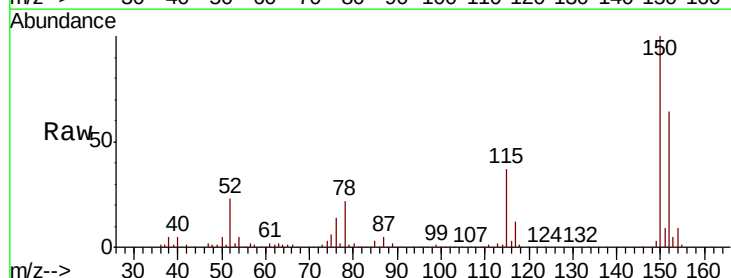
Tgt Ion:152 Resp: 506524

Ion Ratio Lower Upper

152 100

115 57.7 30.1 90.5

150 155.7 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

14.52

800000

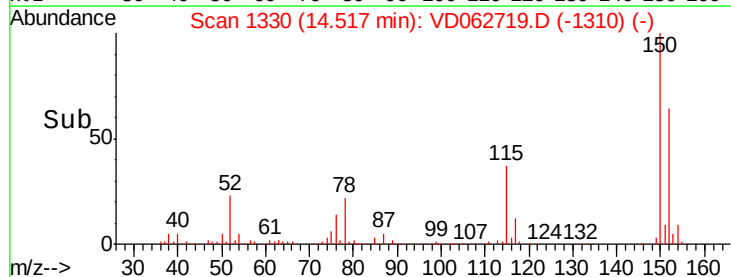
600000

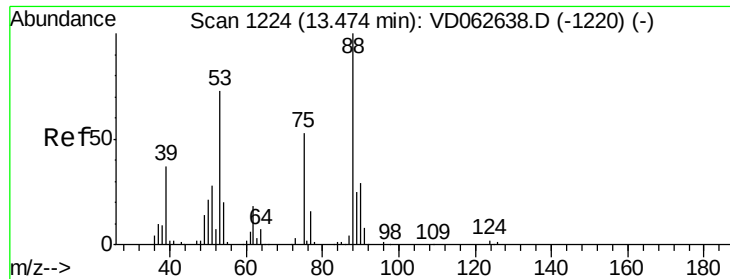
400000

200000

0

Time--> 14.40 14.50 14.60





#81

trans-1,4-Dichloro-2-butene

Concen: 130.807 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062719.D

Acq: 17 Jun 2019 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0617SBL01

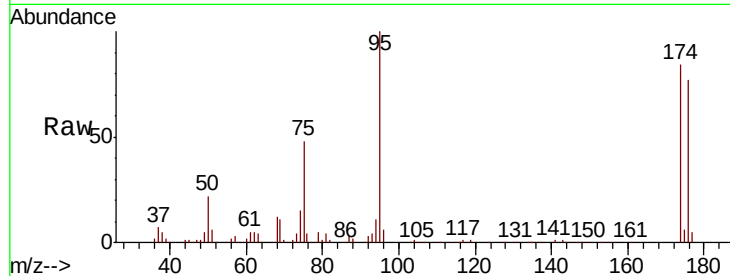
Tgt Ion: 75 Resp: 280323

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

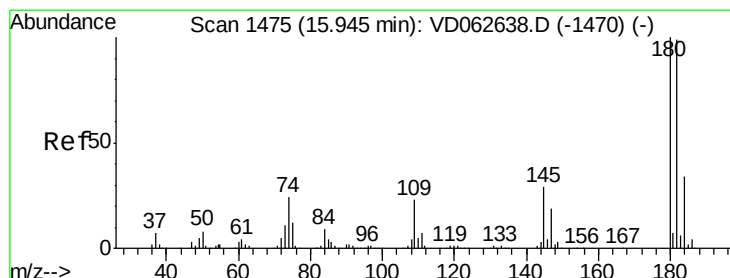
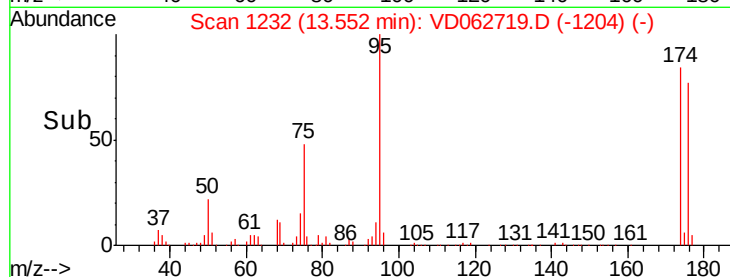
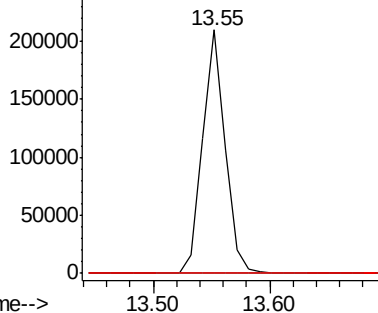
89 0.0 37.0 55.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#93

1,2,4-Trichlorobenzene

Concen: 3.860 ug/l

RT: 15.93 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VD062719.D

Acq: 17 Jun 2019 11:37

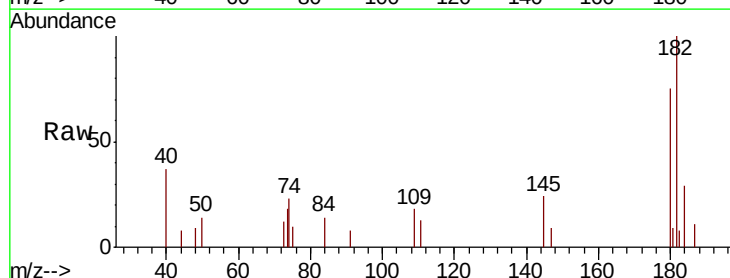
Tgt Ion: 180 Resp: 4102

Ion Ratio Lower Upper

180 100

182 128.9 49.4 148.2

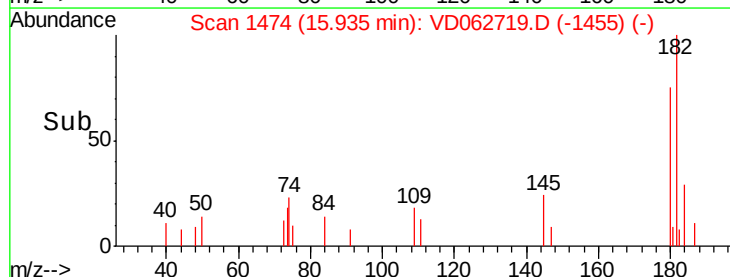
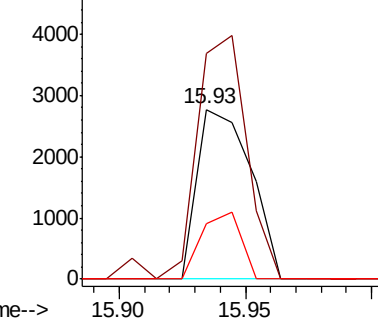
145 29.1 14.5 43.6

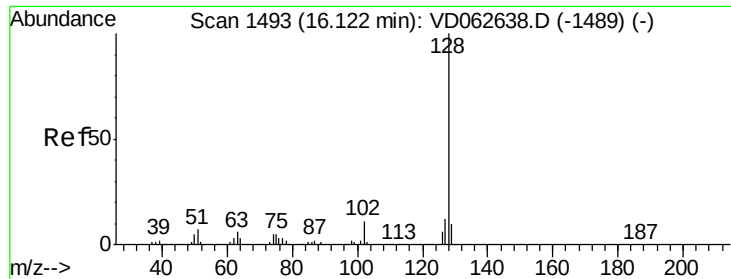


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95
Naphthalene
Concen: 3.991 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062719.D
Acq: 17 Jun 2019 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD0617SBL01

Tgt Ion:128 Resp: 10688
Ion Ratio Lower Upper
128 100
127 15.5 9.7 14.5#
129 8.1 8.1 12.1#

