

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062682.D
 Acq On : 12 Jun 2019 18:52
 Operator : VA/AP
 Sample : K3303-06RE
 Misc : 4.44g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 13 07:25:57 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	7.03	168	743683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1088594	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	879780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	429008	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	359190	33.47	ug/l	-0.01
Spiked Amount			Recovery	=	66.94%	
35) Dibromofluoromethane	6.90	113	401497	34.97	ug/l	-0.01
Spiked Amount			Recovery	=	69.94%	
50) Toluene-d8	10.40	98	782808	32.41	ug/l	-0.01
Spiked Amount			Recovery	=	64.82%	
62) 4-Bromofluorobenzene	13.55	95	357441	31.72	ug/l	0.00
Spiked Amount			Recovery	=	63.44%	

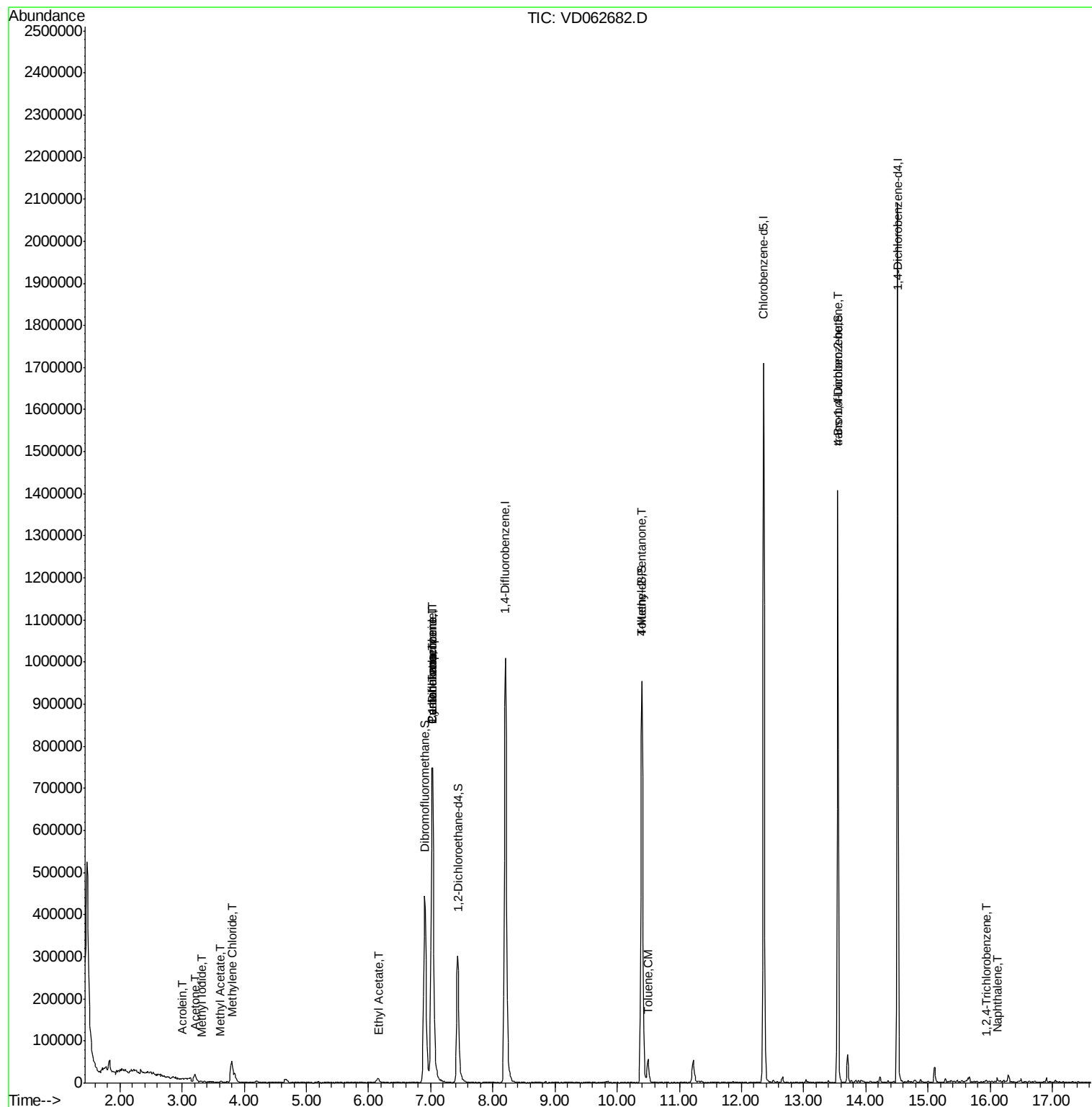
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	723	Below Cal	#	42
10) Methyl Iodide	3.30	142	420	4.038	ug/l #	24
13) Acrolein	3.01	56	187	1.318	ug/l #	30
16) Acetone	3.21	43	38274	19.477	ug/l #	90
18) Methyl Acetate	3.61	43	4403	1.363	ug/l #	64
20) Methylene Chloride	3.79	84	35934	4.437	ug/l	87
31) Cyclohexane	7.02	56	20042	2.367	ug/l #	25
36) 1,1-Dichloropropene	7.02	75	59511	4.777	ug/l #	49
37) Ethyl Acetate	6.17	43	626	1.316	ug/l #	74
38) Carbon Tetrachloride	7.02	117	78389	3.981	ug/l #	16
51) 4-Methyl-2-Pentanone	10.39	43	5263	1.144	ug/l #	1
52) Toluene	10.50	92	25846	1.580	ug/l	79
81) trans-1,4-Dichloro-2-buten	13.55	75	172008	95.840	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	1172	3.667	ug/l #	54
95) Naphthalene	16.12	128	7045	3.871	ug/l #	92

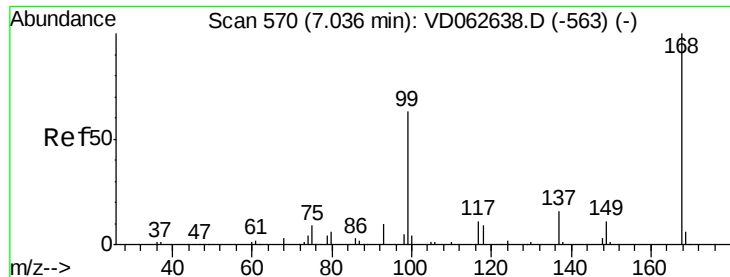
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061219\
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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: 7.03 min Scan# 569

Delta R.T. -0.00 min

Lab File: VD062682.D

Acq: 12 Jun 2019 18:52

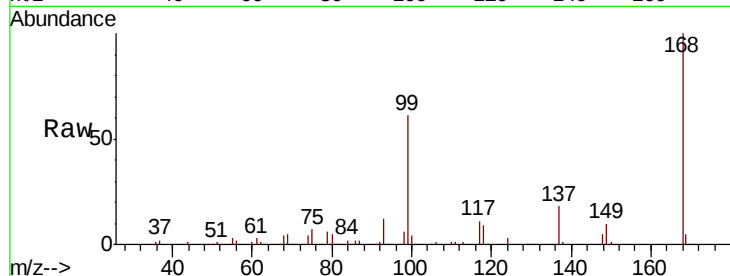
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 743683

Ion Ratio Lower Upper

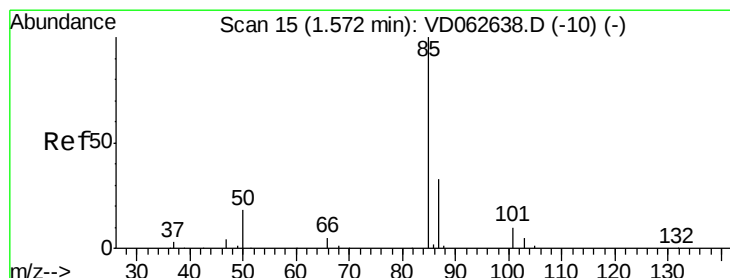
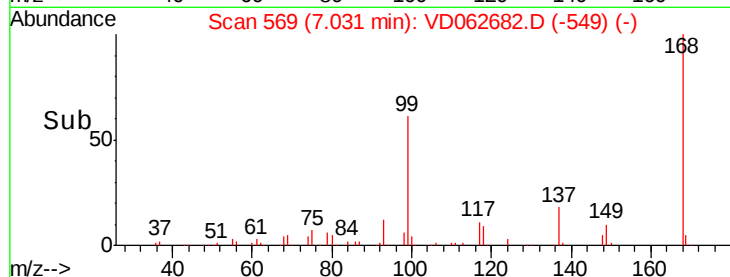
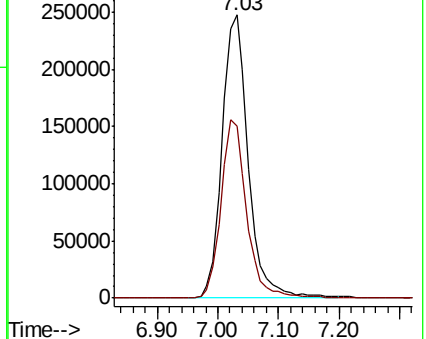
168 100

99 60.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD062682.D

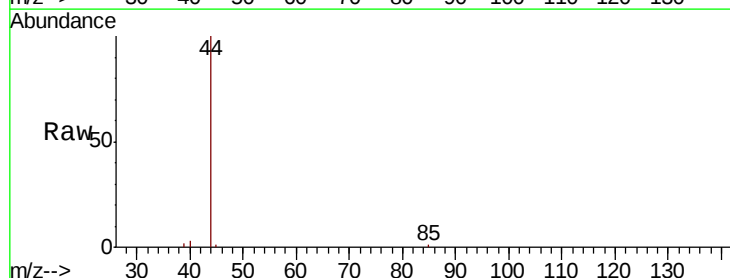
Acq: 12 Jun 2019 18:52

Tgt Ion: 85 Resp: 723

Ion Ratio Lower Upper

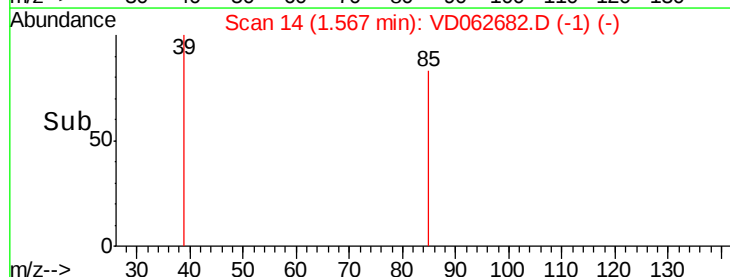
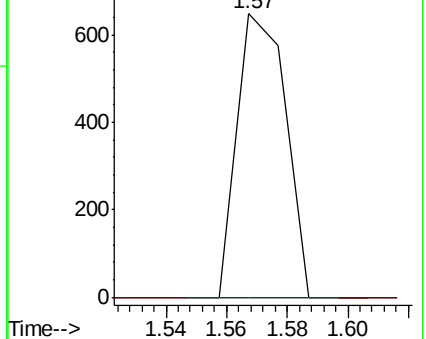
85 100

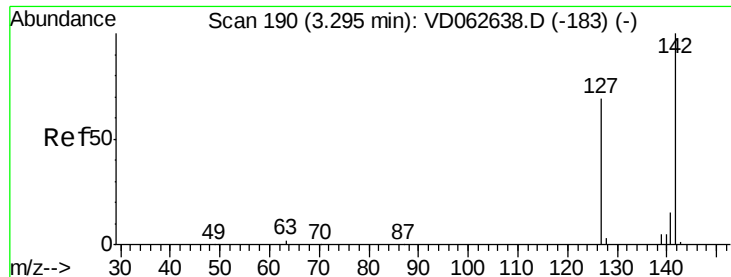
87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

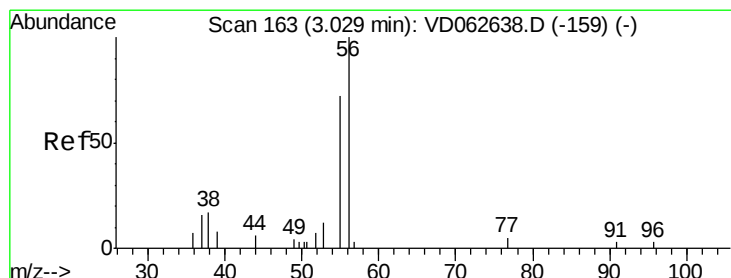
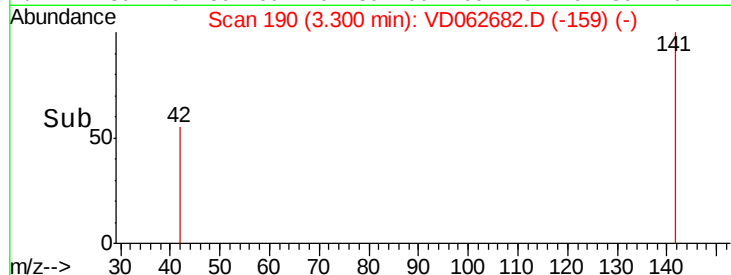
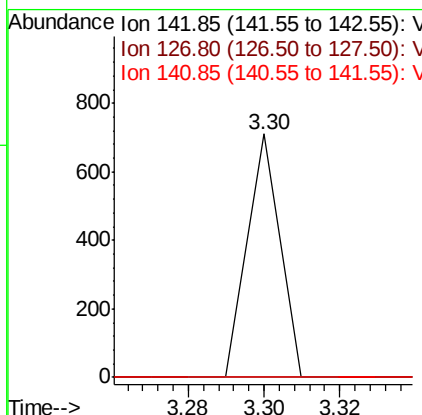
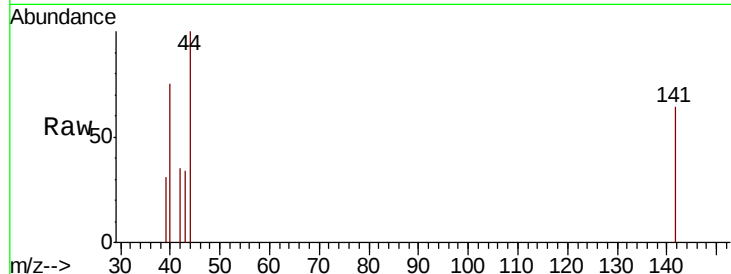




#10
Methvl Iodide
Concen: 4.038 ug/l
RT: 3.30 min Scan# 190
Delta R.T. 0.01 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

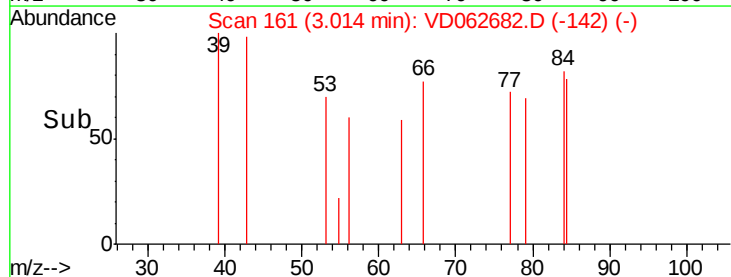
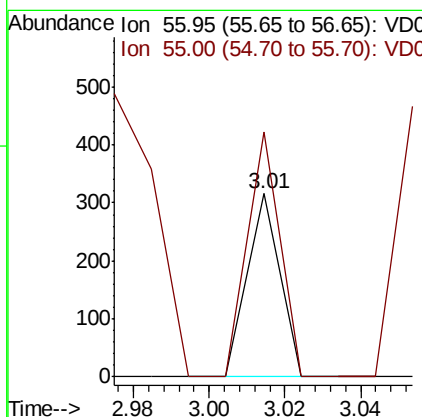
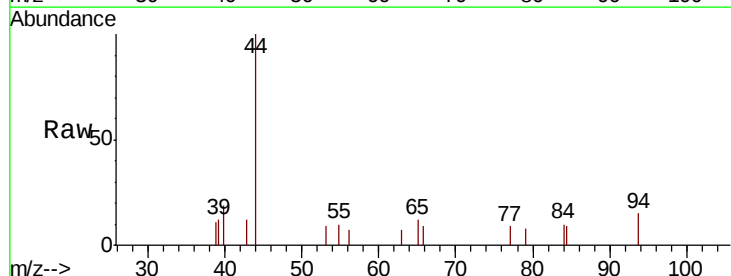
Instrument :
MSVOA_D
ClientSampleId :

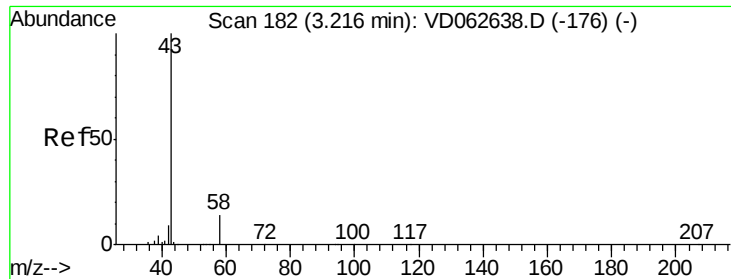
Tot Ion:142 Resp: 420
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 0.0 12.1 18.1#



#13
Acrolein
Concen: 1.318 ug/l
RT: 3.01 min Scan# 161
Delta R.T. -0.01 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

Tgt Ion: 56 Resp: 187
Ion Ratio Lower Upper
56 100
55 133.9 59.4 89.0#





#16

Acetone

Concen: 19.477 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD062682.D

Acq: 12 Jun 2019 18:52

Instrument :

MSVOA_D

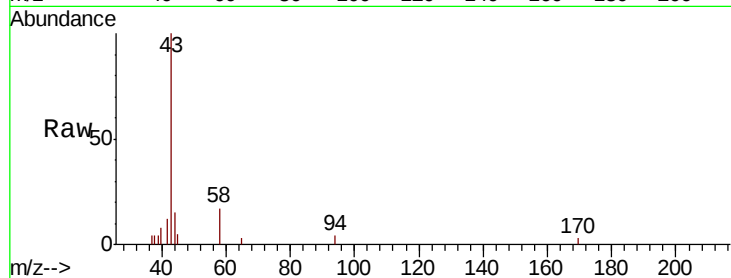
ClientSampleId :

Tot Ion: 43 Resp: 38274

Ion Ratio Lower Upper

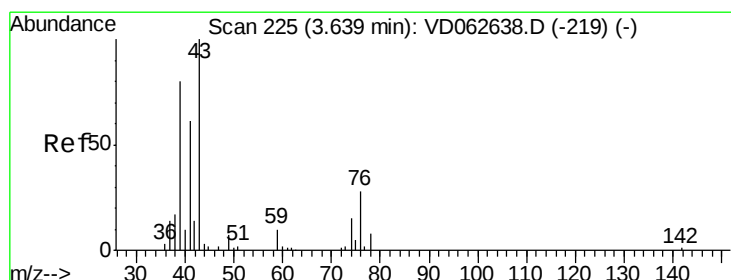
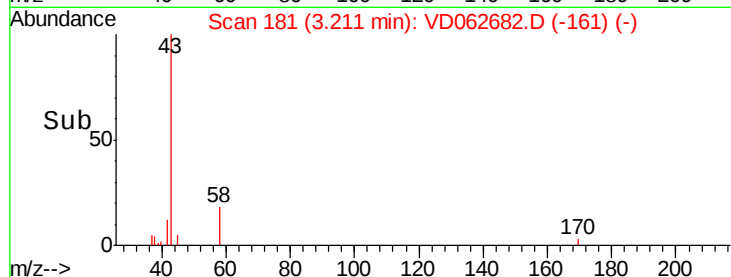
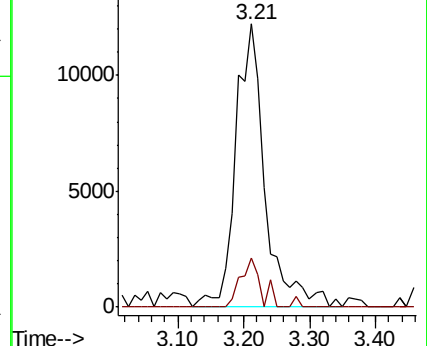
43 100

58 17.5 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.363 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD062682.D

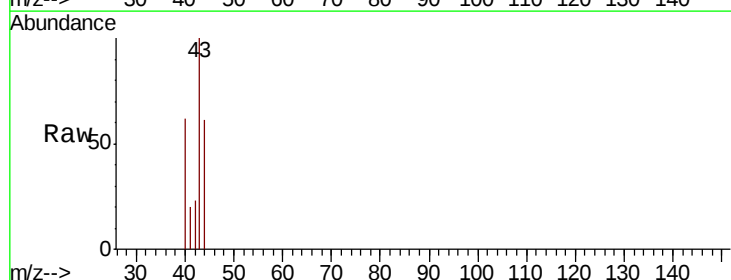
Acq: 12 Jun 2019 18:52

Tgt Ion: 43 Resp: 4403

Ion Ratio Lower Upper

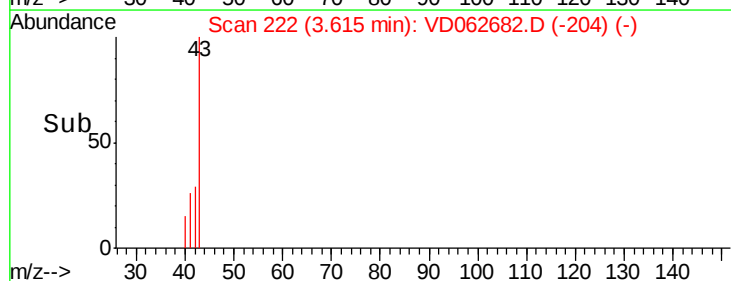
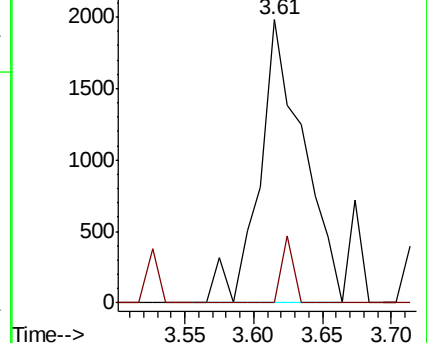
43 100

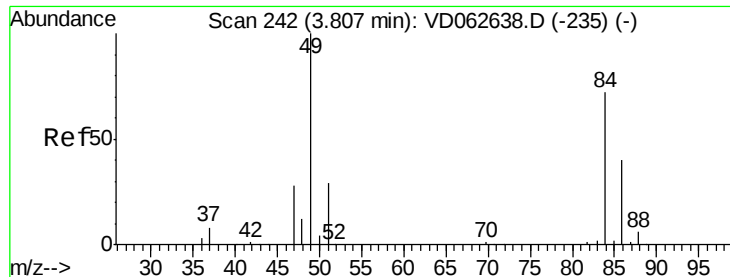
74 0.0 12.1 18.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

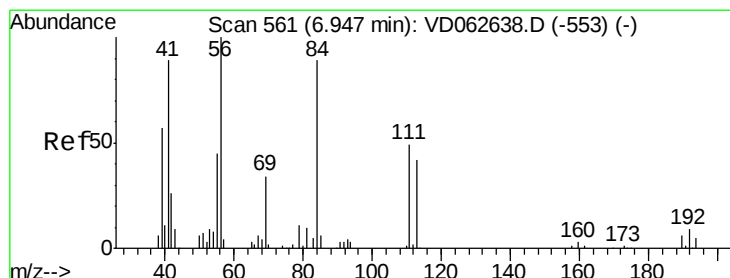
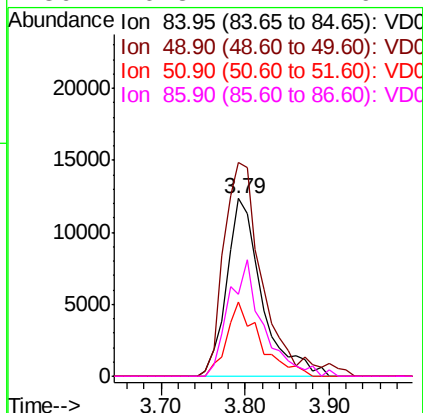
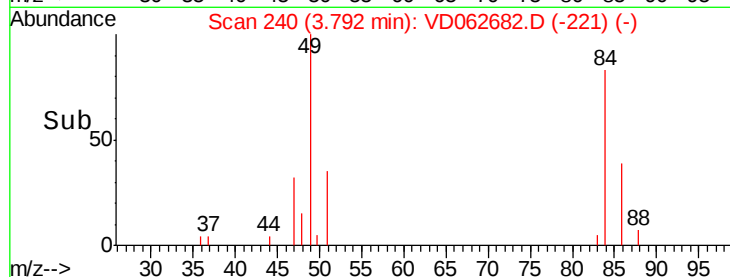
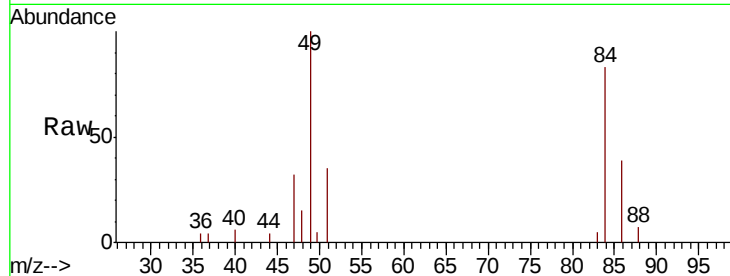




#20
Methylene Chloride
Concen: 4.437 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.01 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

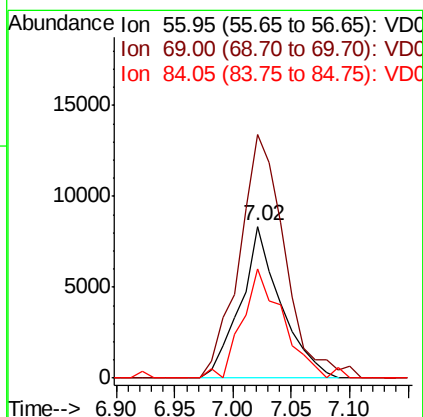
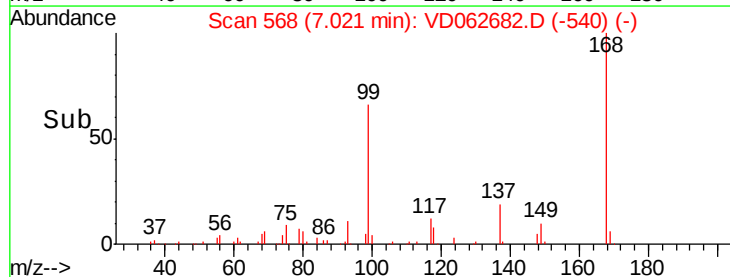
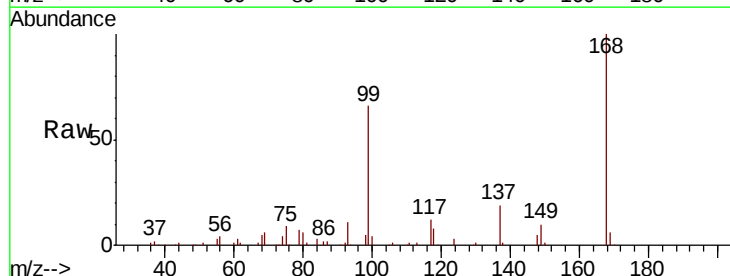
Instrument :
MSVOA_D
ClientSampleId :

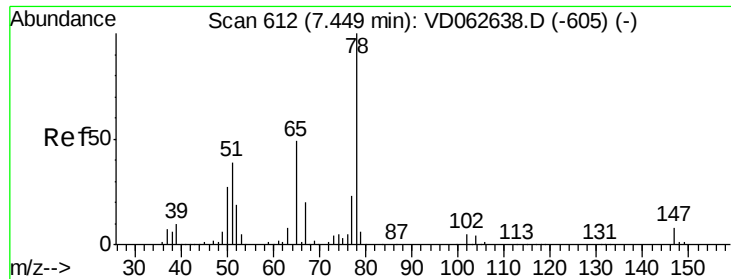
Tot Ion: 84 Resp: 35934
Ion Ratio Lower Upper
84 100
49 120.2 111.2 166.8
51 41.8 31.9 47.9
86 46.3 44.7 67.1



#31
Cyclohexane
Concen: 2.367 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.07 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

Tgt Ion: 56 Resp: 20042
Ion Ratio Lower Upper
56 100
69 160.6 26.8 40.2#
84 71.7 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 33.471 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD062682.D

Acq: 12 Jun 2019 18:52

Instrument :

MSVOA_D

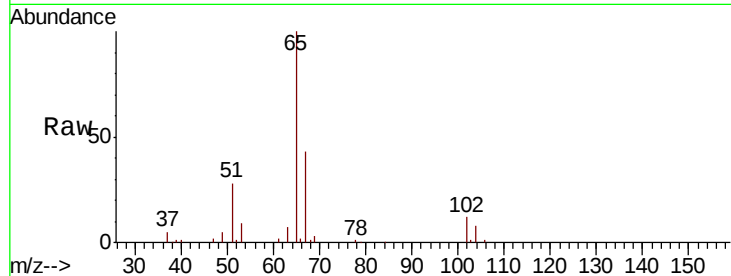
ClientSampleId :

Tot Ion: 65 Resp: 359190

Ion Ratio Lower Upper

65 100

67 43.5 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

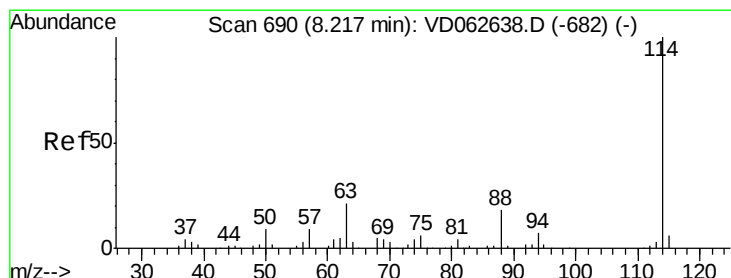
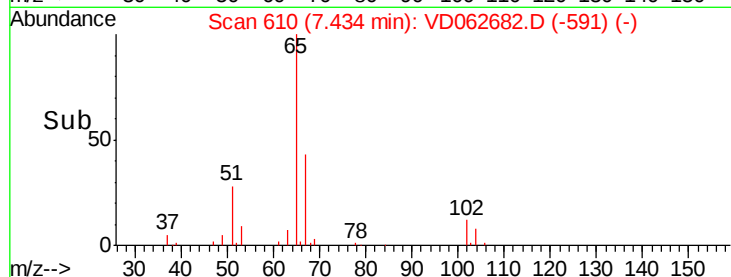
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.01 min

Lab File: VD062682.D

Acq: 12 Jun 2019 18:52

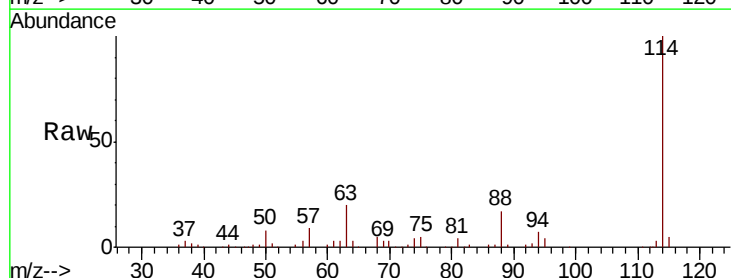
Tgt Ion: 114 Resp: 1088594

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 17.4 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

8.20

600000

500000

400000

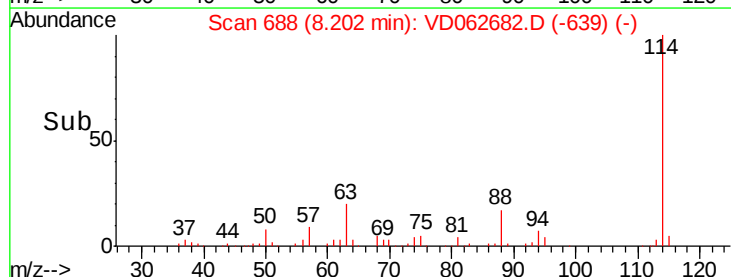
300000

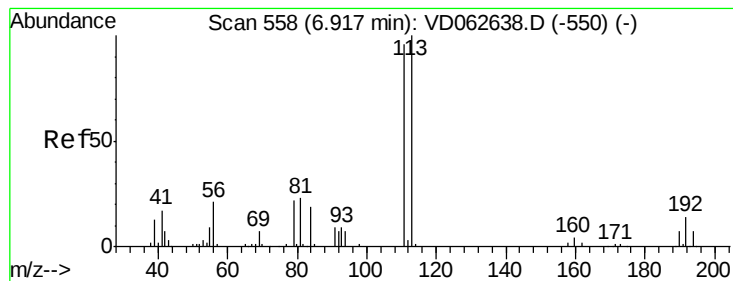
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 34.972 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.01 min

Lab File: VD062682.D

Acq: 12 Jun 2019 18:52

Instrument :

MSVOA_D

ClientSampled :

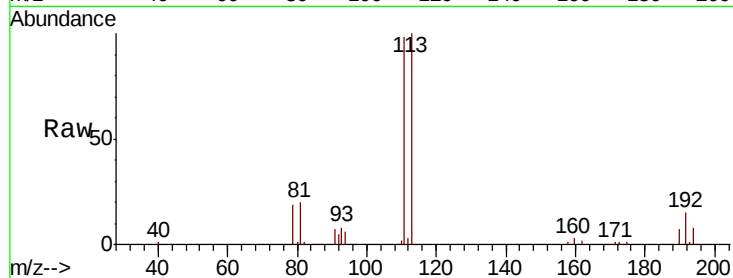
Tot Ion:113 Resp: 401497

Ion	Ratio	Lower	Upper
113	100		
111	97.7	76.4	114.6
192	15.3	11.4	17.0

113 100

111 97.7 76.4 114.6

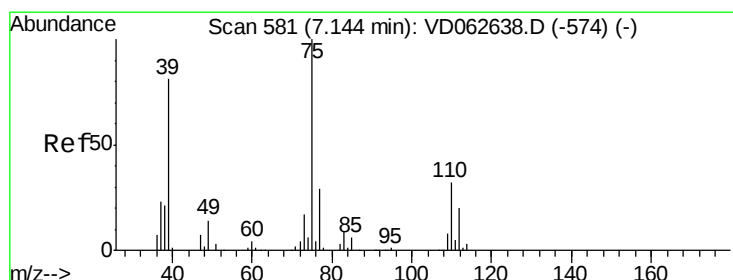
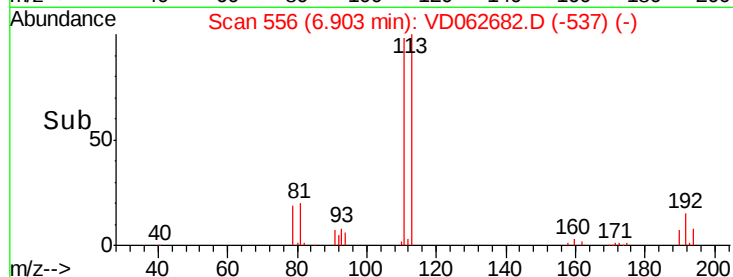
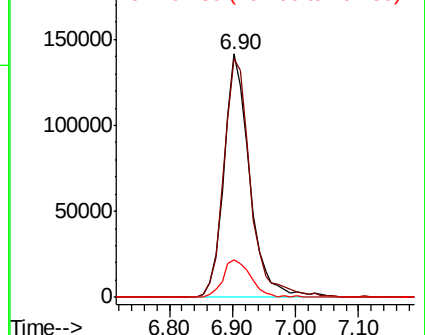
192 15.3 11.4 17.0



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: 4.777 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.12 min

Lab File: VD062682.D

Acq: 12 Jun 2019 18:52

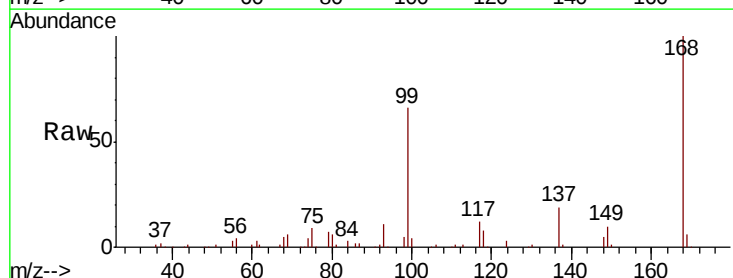
Tgt Ion: 75 Resp: 59511

Ion	Ratio	Lower	Upper
75	100		
110	4.9	15.9	47.7#
77	0.0	23.3	34.9#

75 100

110 4.9 15.9 47.7#

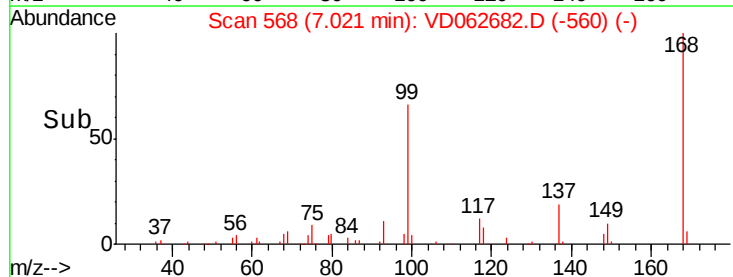
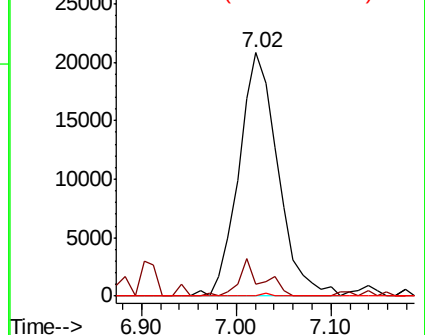
77 0.0 23.3 34.9#

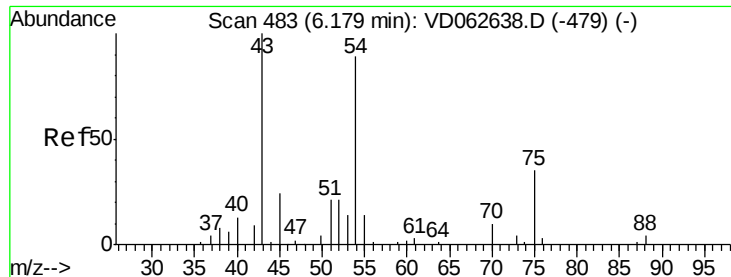


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

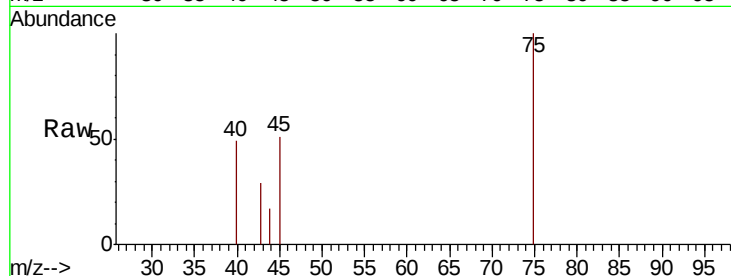




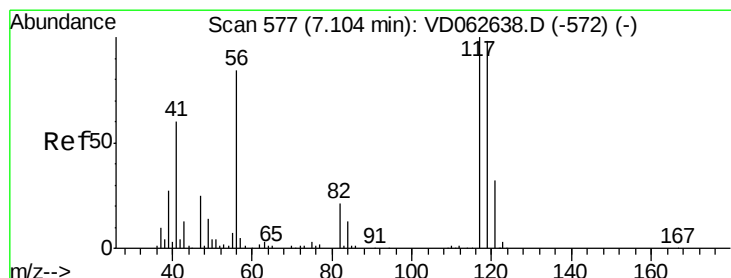
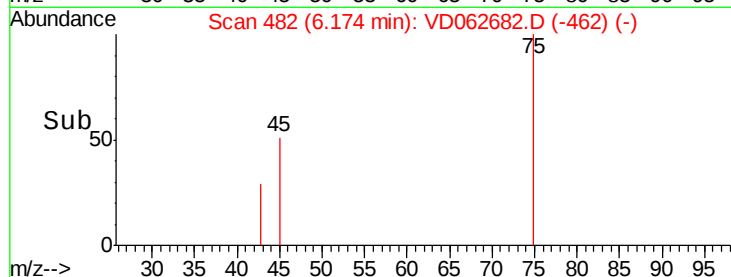
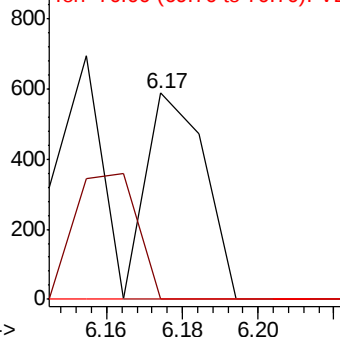
#37
Ethyl Acetate
Concen: 1.316 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 626
Ion Ratio Lower Upper
43 100
61 0.0 8.7 13.1#
70 0.0 6.5 9.7#

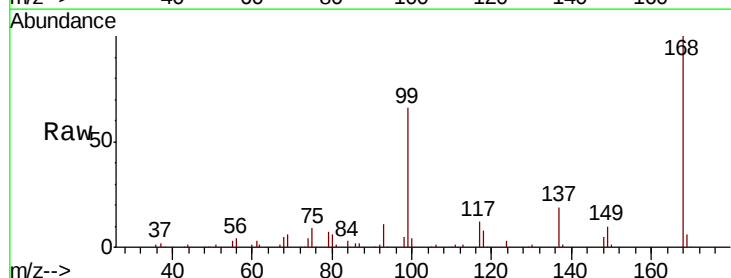


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

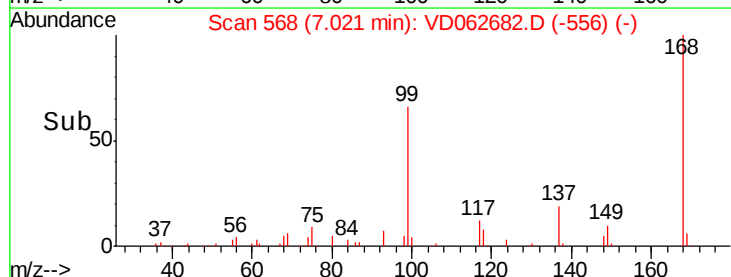
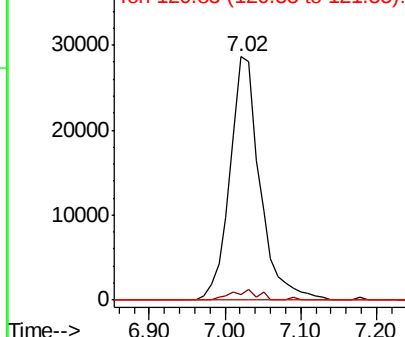


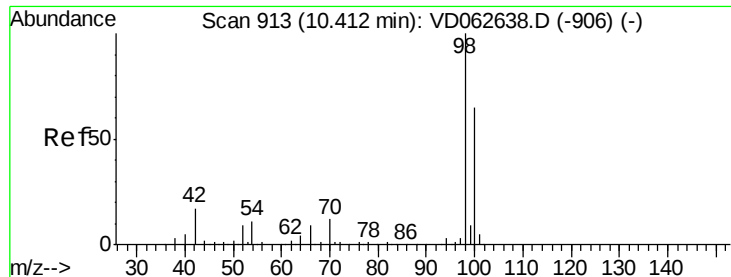
#38
Carbon Tetrachloride
Concen: 3.981 ug/l
RT: 7.02 min Scan# 568
Delta R.T. -0.08 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

Tgt Ion: 117 Resp: 78389
Ion Ratio Lower Upper
117 100
119 2.4 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

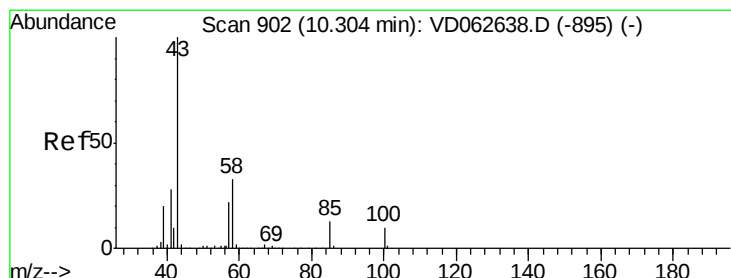
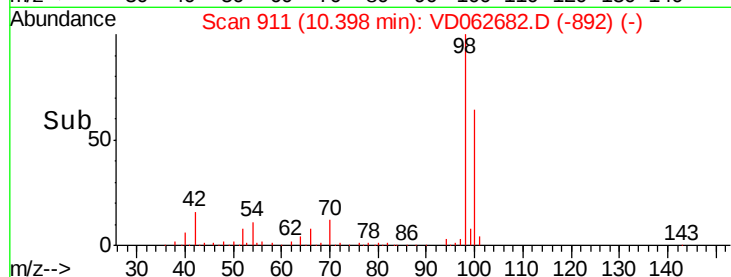
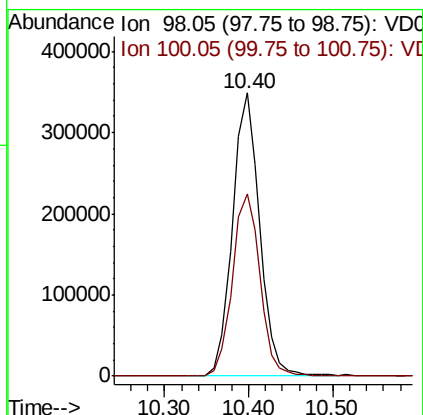
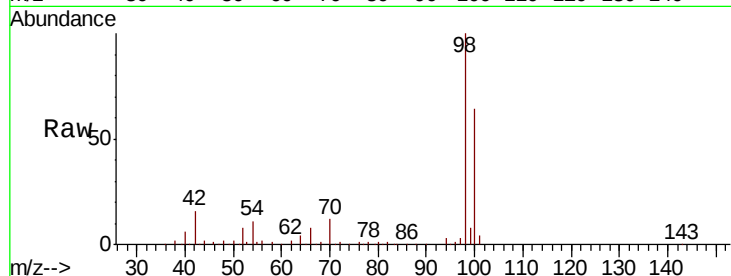




#50
Toluene-d8
Concen: 32.413 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

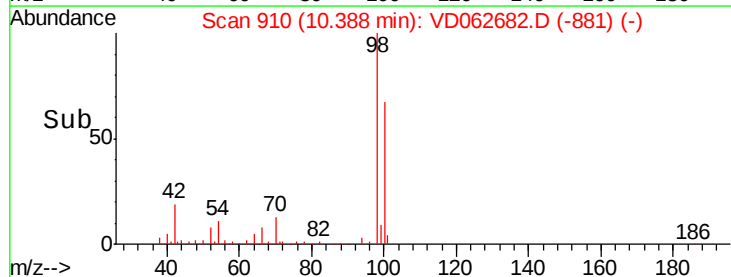
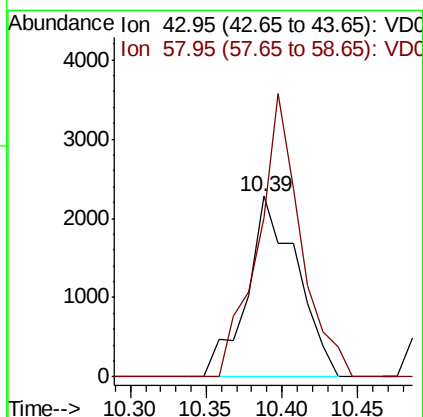
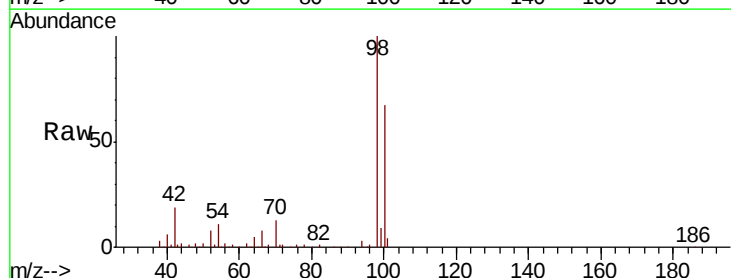
Instrument :
MSVOA_D
ClientSampleId :

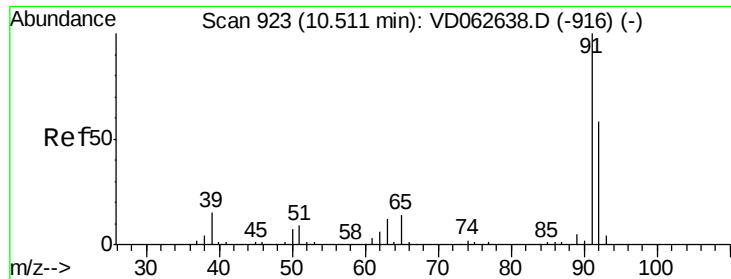
Tot Ion: 98 Resp: 782808
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.144 ug/l
RT: 10.39 min Scan# 910
Delta R.T. 0.08 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

Tgt Ion: 43 Resp: 5263
Ion Ratio Lower Upper
43 100
58 88.5 26.1 39.1#

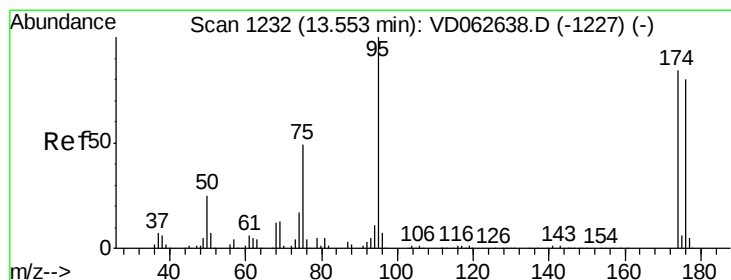
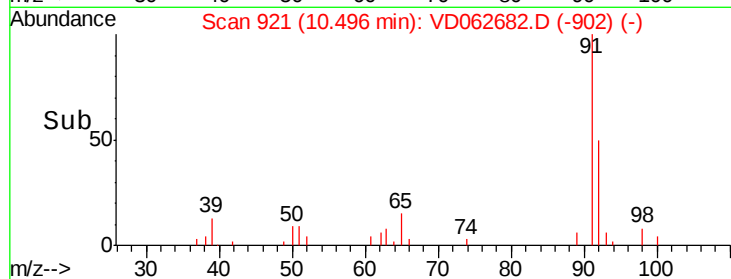
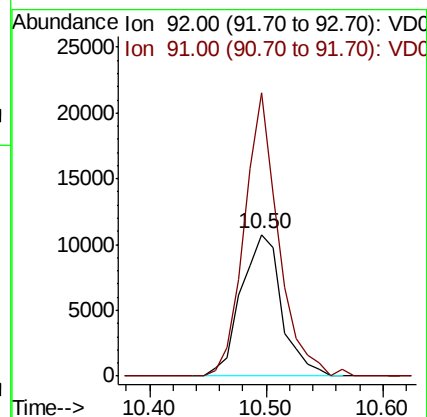
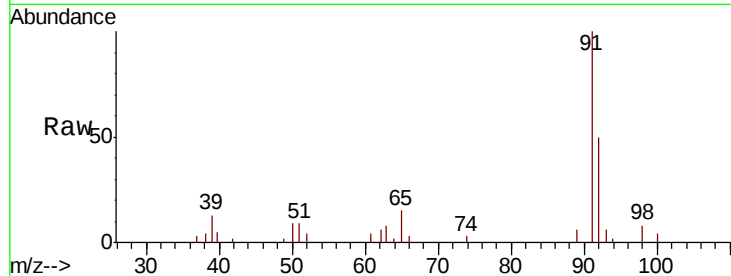




#52
Toluene
Concen: 1.580 ug/l
RT: 10.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

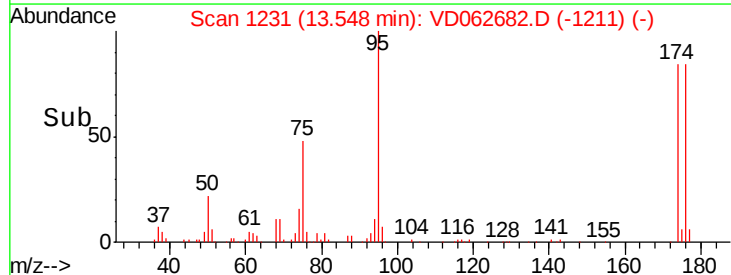
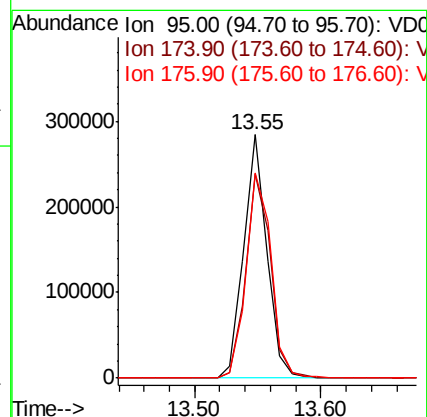
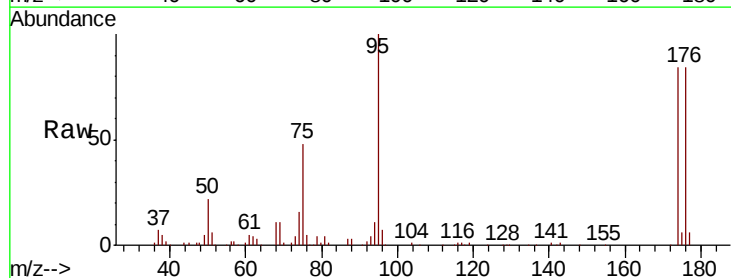
Instrument :
MSVOA_D
ClientSampleId :

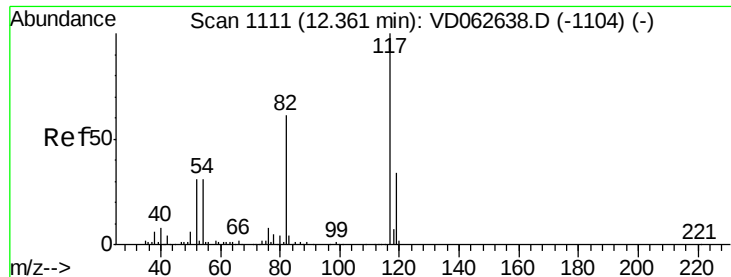
Tot Ion: 92 Resp: 25846
Ion Ratio Lower Upper
92 100
91 200.2 137.0 205.6



#62
4-Bromofluorobenzene
Concen: 31.723 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

Tgt Ion: 95 Resp: 357441
Ion Ratio Lower Upper
95 100
174 83.7 0.0 167.0
176 84.2 0.0 159.2

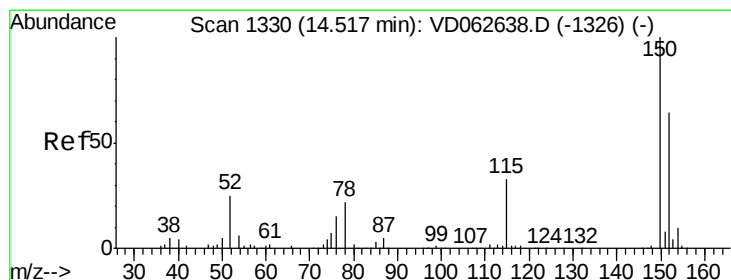
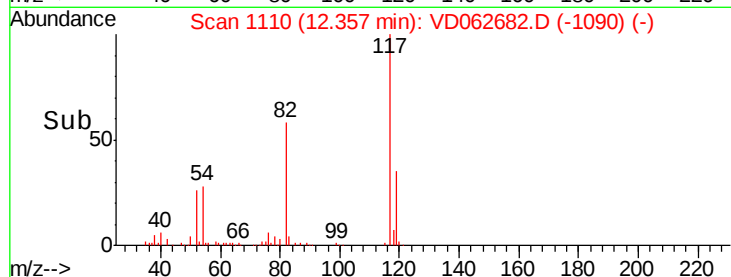
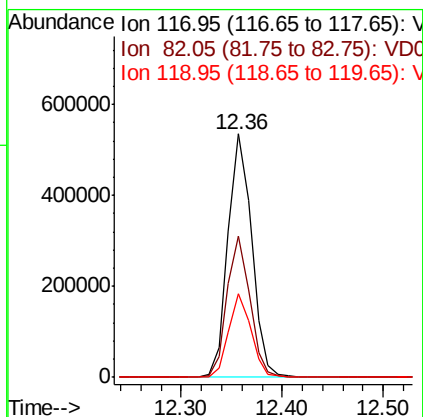
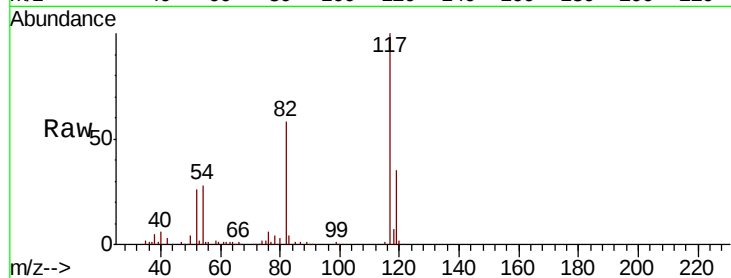




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

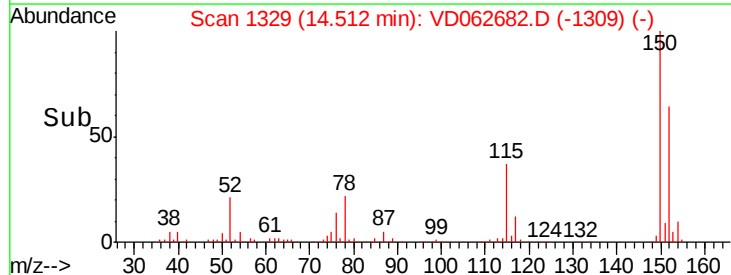
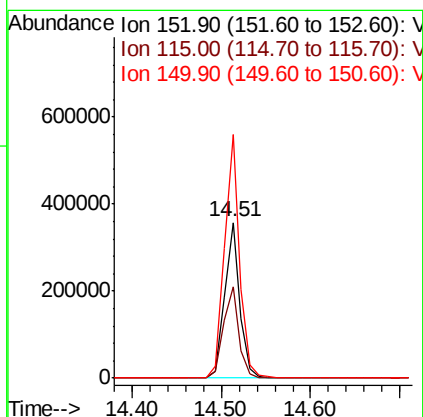
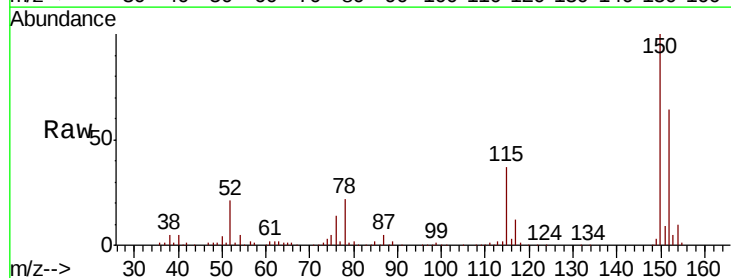
Instrument :
MSVOA_D
ClientSampleId :

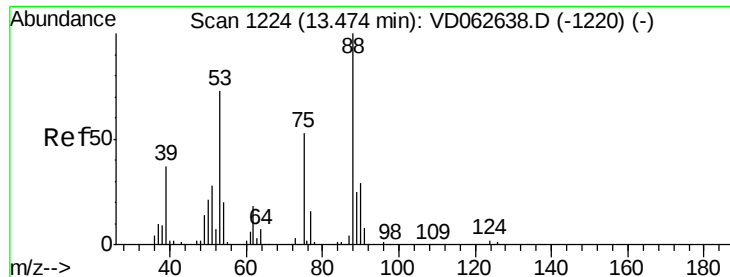
Tot Ion:117 Resp: 879780
Ion Ratio Lower Upper
117 100
82 57.7 48.7 73.1
119 34.5 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

Tgt Ion:152 Resp: 429008
Ion Ratio Lower Upper
152 100
115 58.6 30.1 90.5
150 156.7 0.0 314.0





#81

trans-1,4-Dichloro-2-butene

Concen: 95.840 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062682.D

Acq: 12 Jun 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

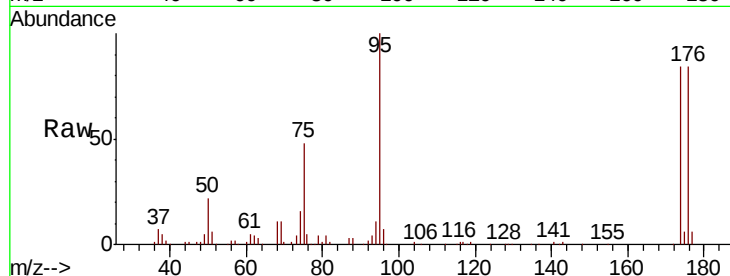
Tot Ion: 75 Resp: 172008

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

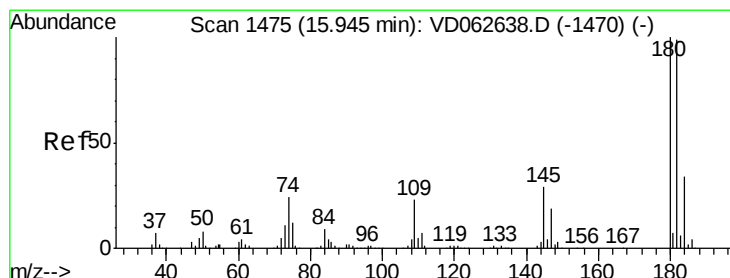
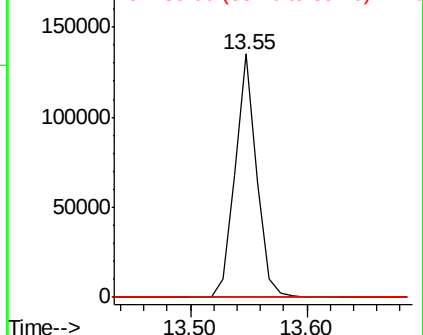
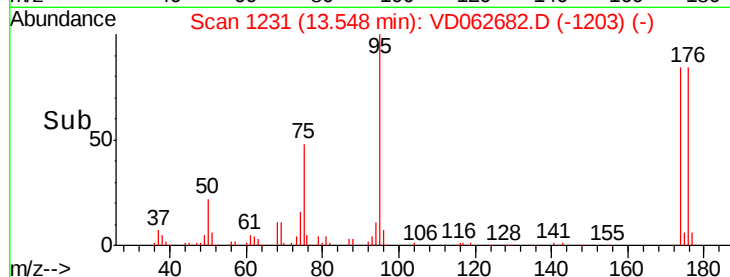
89 0.0 37.0 55.6#



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: 3.667 ug/l

RT: 15.94 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VD062682.D

Acq: 12 Jun 2019 18:52

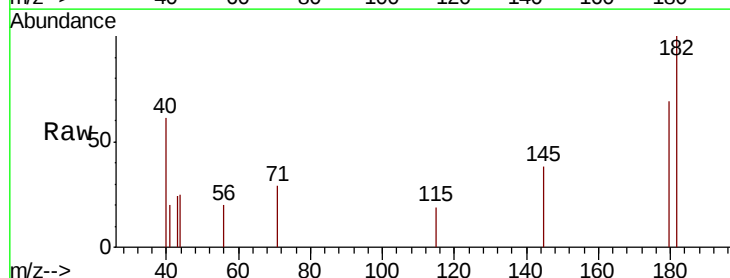
Tgt Ion:180 Resp: 1172

Ion Ratio Lower Upper

180 100

182 144.2 49.4 148.2

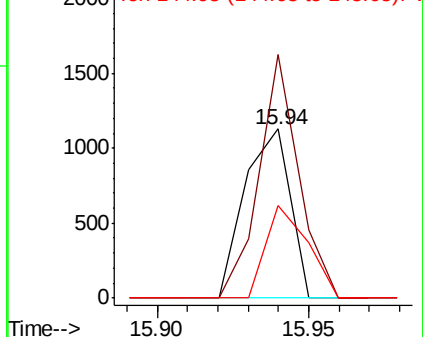
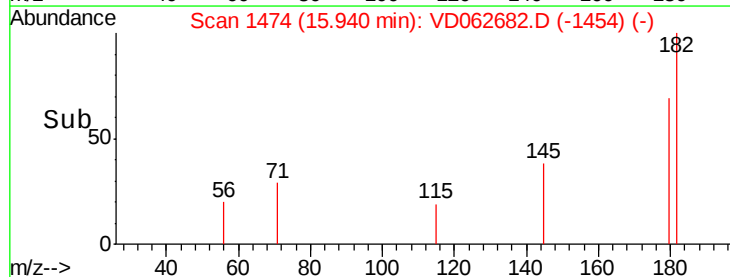
145 54.8 14.5 43.6#

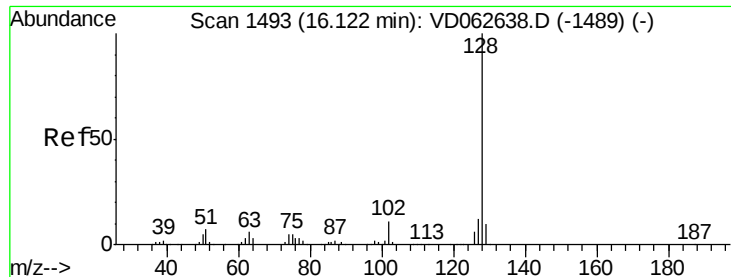


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

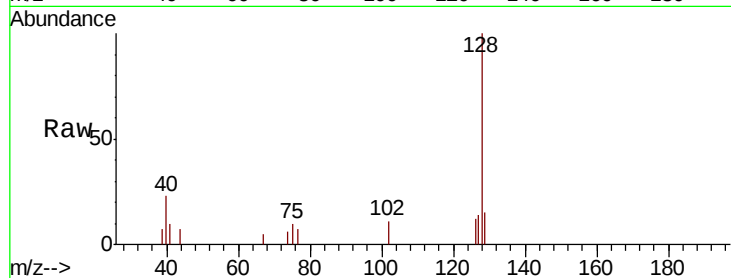




#95
Naphthalene
Concen: 3.871 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	9.7	14.5
129	14.9	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

