

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 :
 BAT-B13RE

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%	

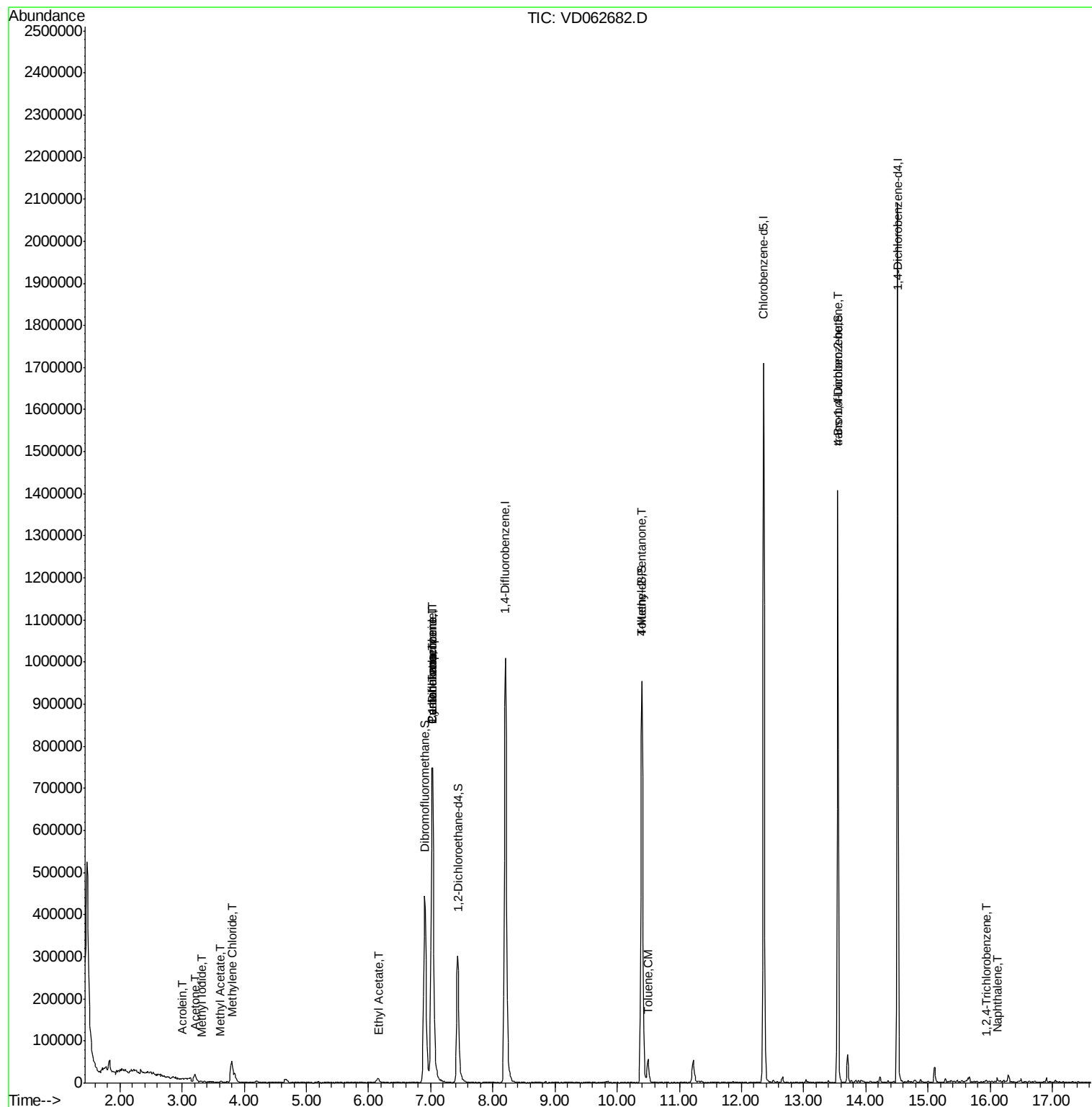
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	723	Below Cal	#	42
10) Methyl Iodide	3.30	142	420	4.038	ug/l #	24
13) Acrolein	3.01	56	187	1.318	ug/l #	30
16) Acetone	3.21	43	38274	19.477	ug/l #	90
18) Methyl Acetate	3.61	43	4403	1.363	ug/l #	64
20) Methylene 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

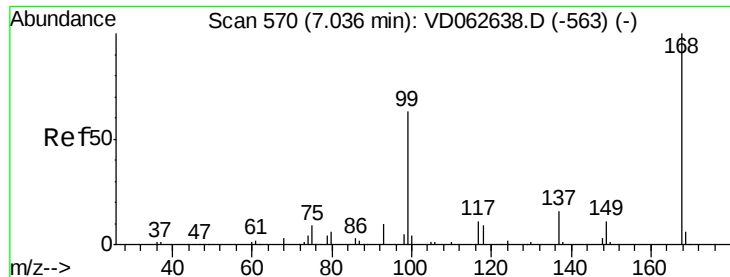
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.03 min Scan# 569

Delta R.T. -0.00 min

Lab File: VD062682.D

Acq: 12 Jun 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

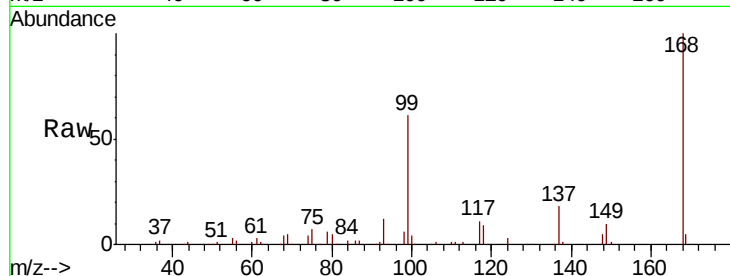
BAT-B13RE

Tot Ion:168 Resp: 743683

Ion Ratio Lower Upper

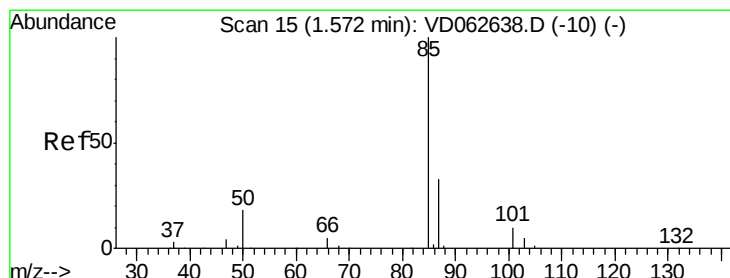
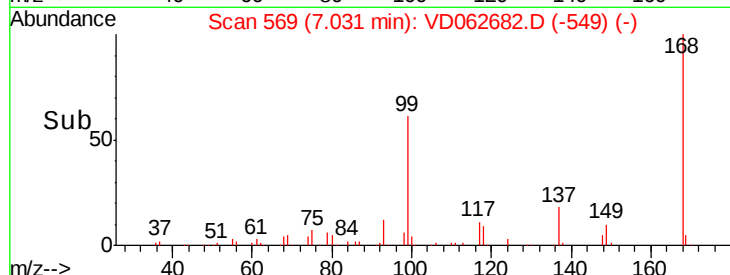
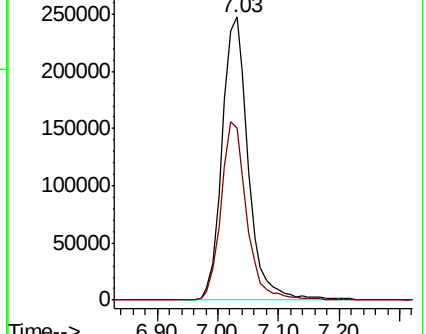
168 100

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

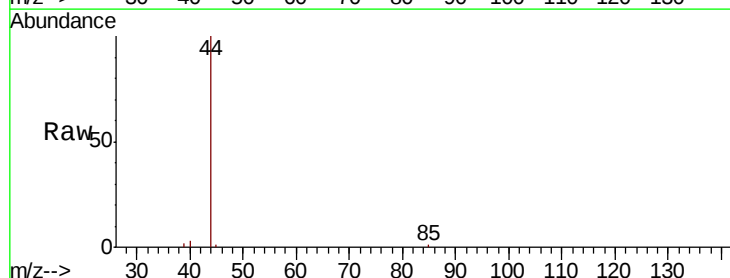
Acq: 12 Jun 2019 18:52

Tgt Ion: 85 Resp: 723

Ion Ratio Lower Upper

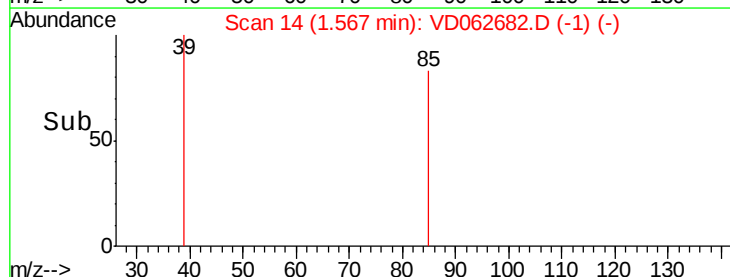
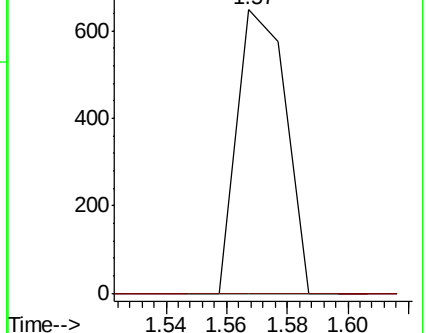
85 100

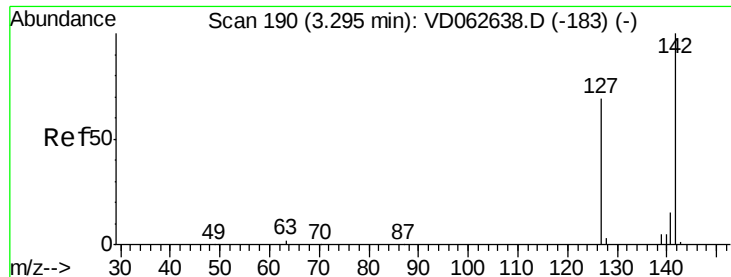
87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

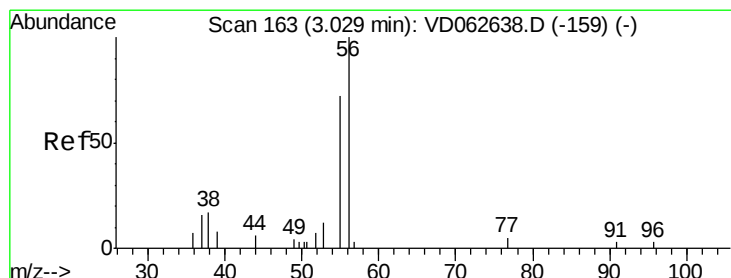
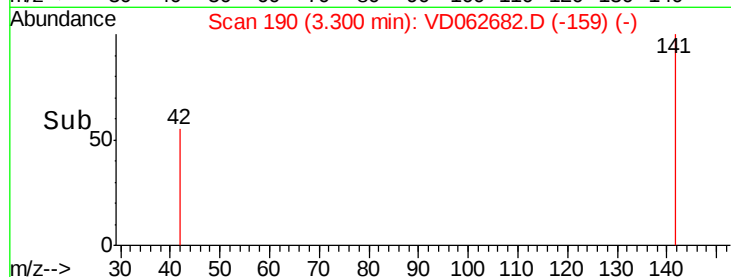
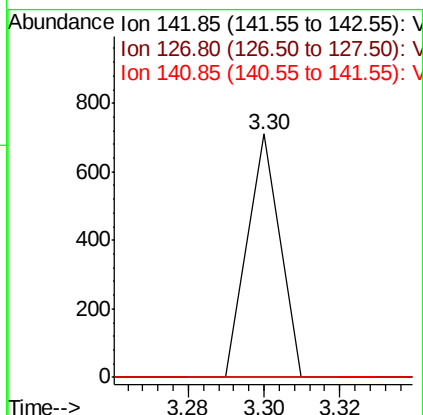
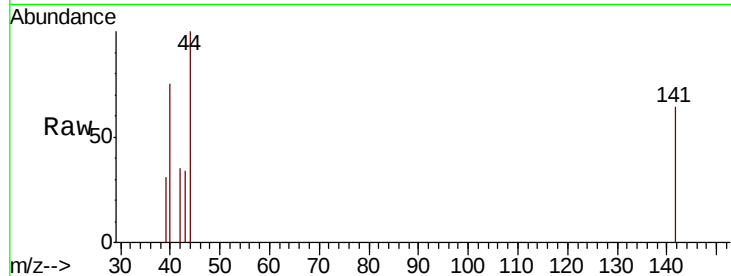




#10
Methvl Iodide
Concen: 4.038 ug/l
RT: 3.30 min Scan# 190
Delta R.T. 0.01 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

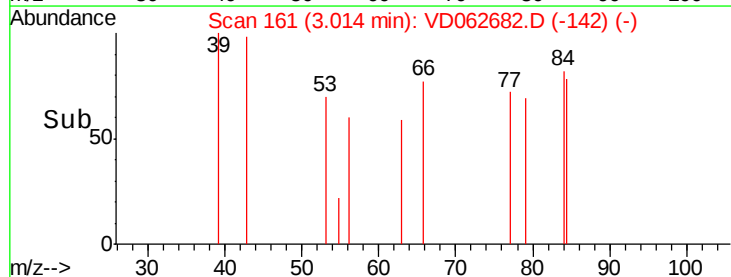
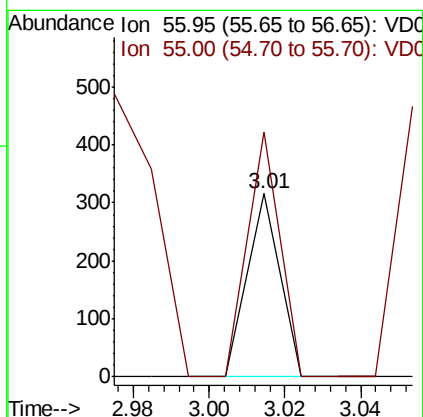
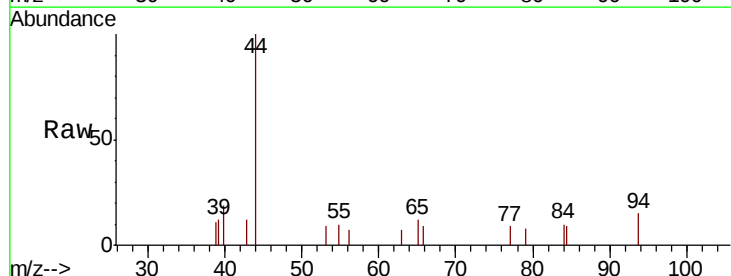
Instrument :
MSVOA_D
ClientSampleId :
BAT-B13RE

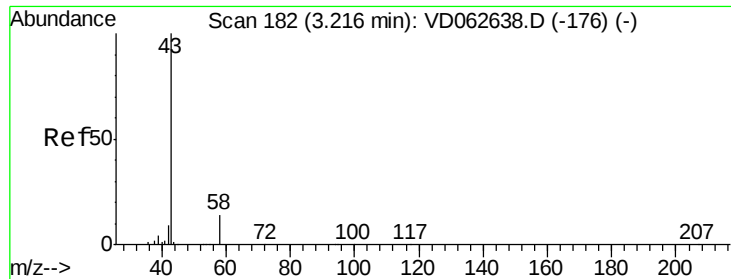
Tot Ion:142 Resp: 420
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 0.0 12.1 18.1#



#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 :

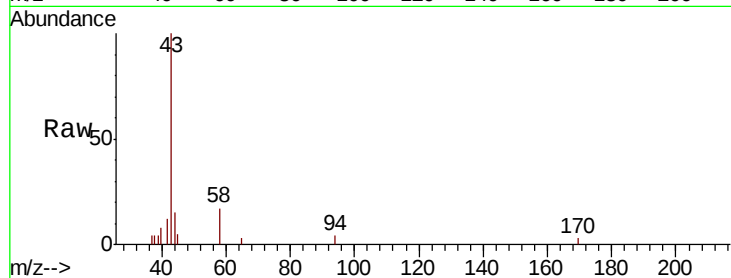
BAT-B13RE

Tot Ion: 43 Resp: 38274

Ion Ratio Lower Upper

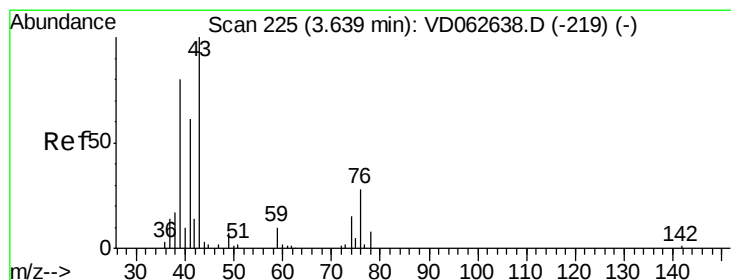
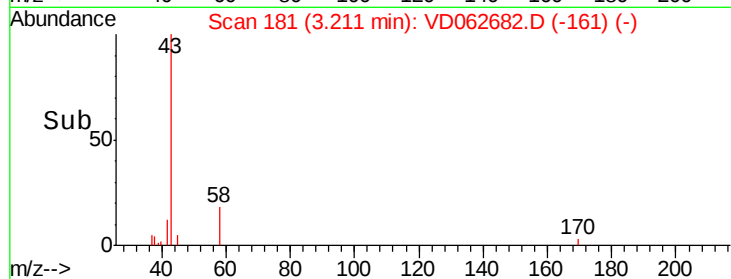
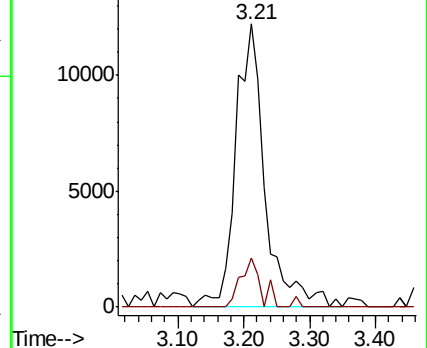
43 100

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

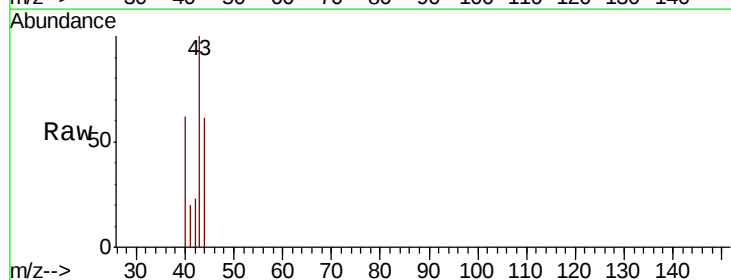
Acq: 12 Jun 2019 18:52

Tgt Ion: 43 Resp: 4403

Ion Ratio Lower Upper

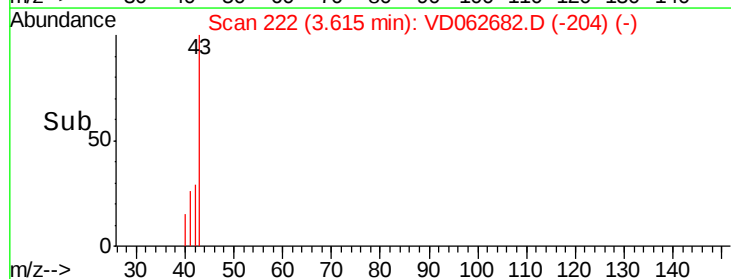
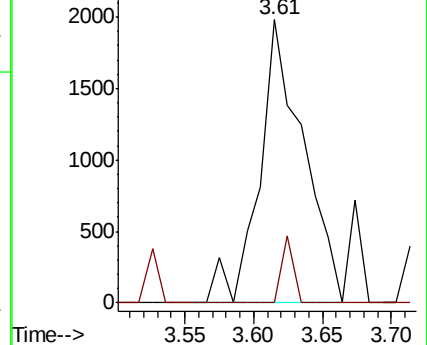
43 100

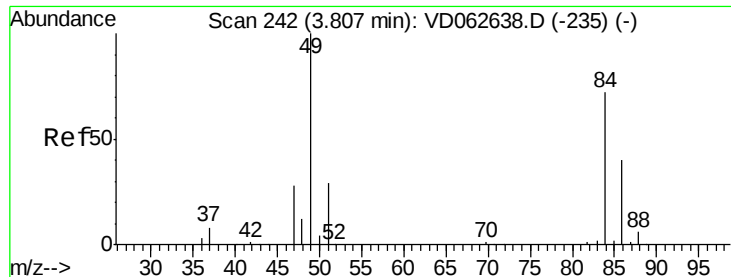
74 0.0 12.1 18.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

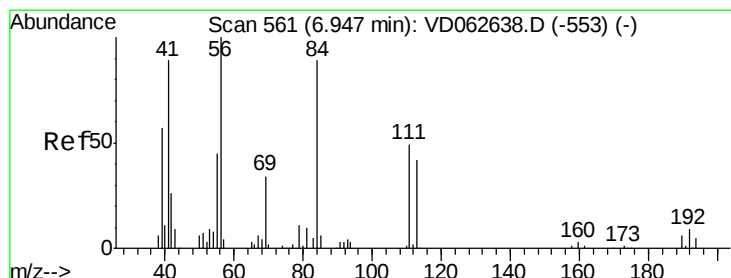
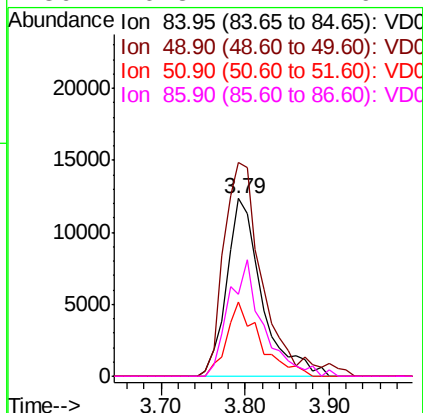
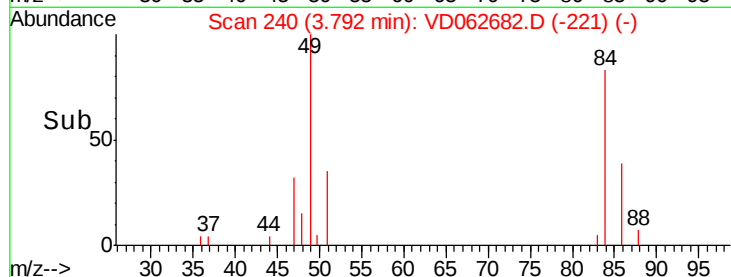
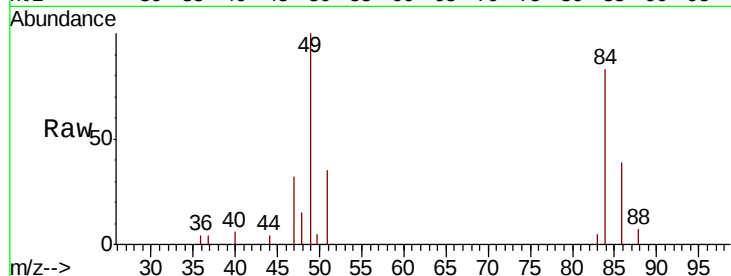




#20
Methylene Chloride
Concen: 4.437 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.01 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

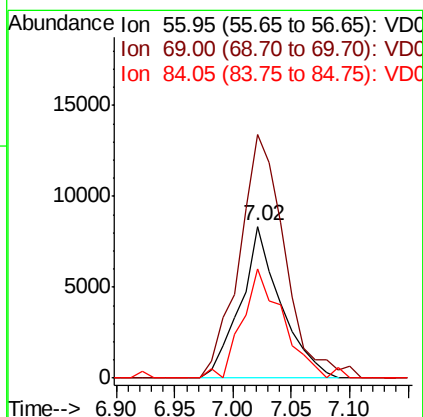
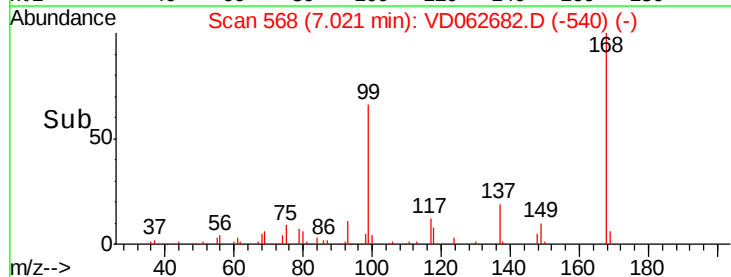
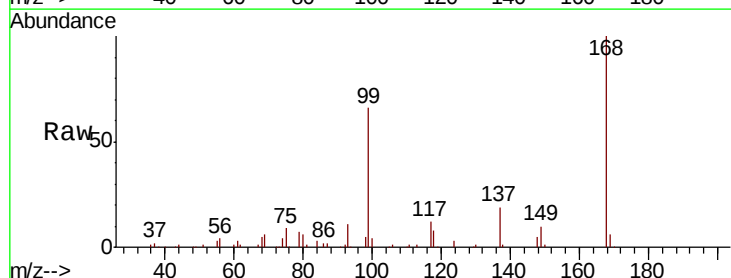
Instrument :
MSVOA_D
ClientSampleId :
BAT-B13RE

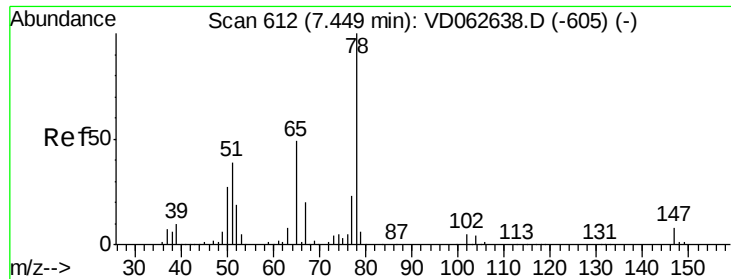
Tot Ion: 84 Resp: 35934
Ion Ratio Lower Upper
84 100
49 120.2 111.2 166.8
51 41.8 31.9 47.9
86 46.3 44.7 67.1



#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#

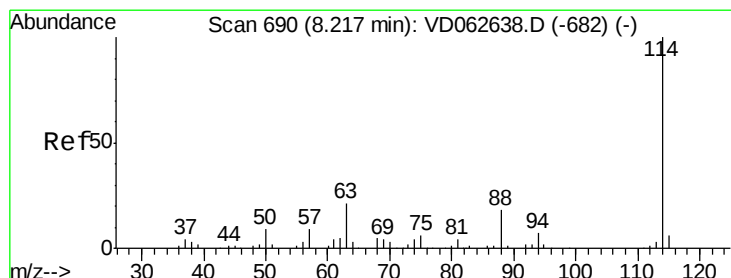
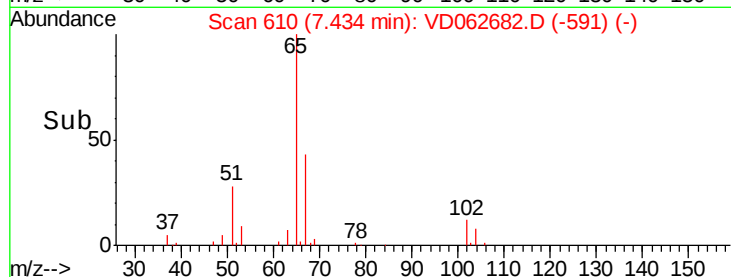
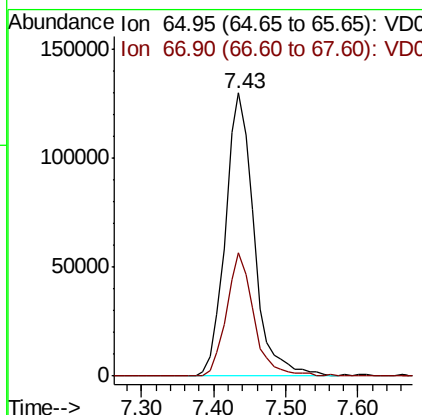
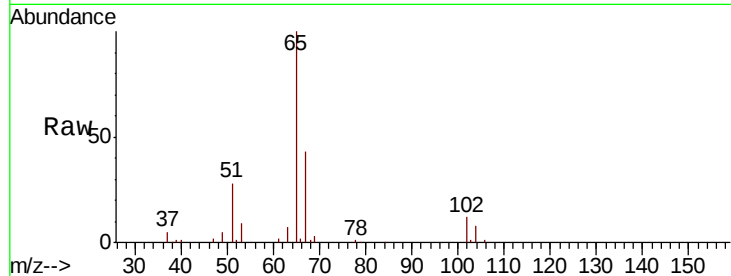




#33
 1,2-Dichloroethane-d4
 Concen: 33.471 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VD062682.D
 Acq: 12 Jun 2019 18:52

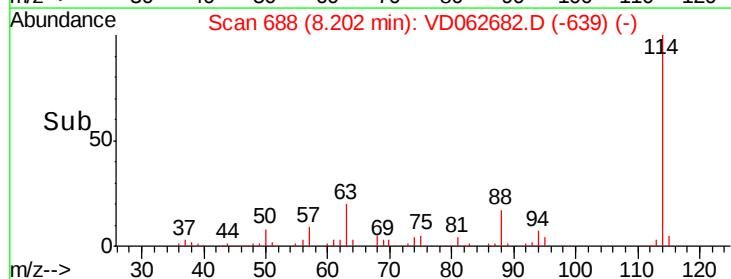
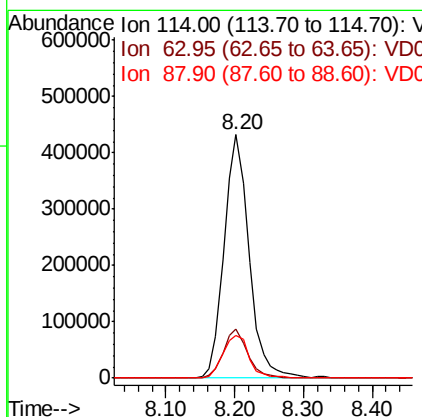
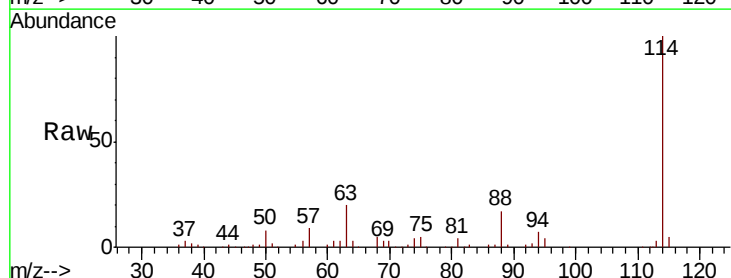
Instrument :
 MSVOA_D
 ClientSampled :
 BAT-B13RE

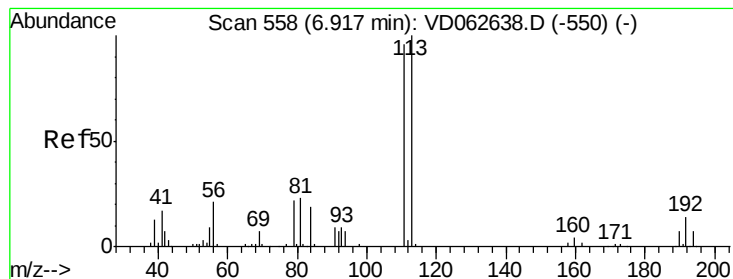
Tot Ion: 65 Resp: 359190
 Ion Ratio Lower Upper
 65 100
 67 43.5 0.0 81.8



#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





#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

ClientSampleId :

BAT-B13RE

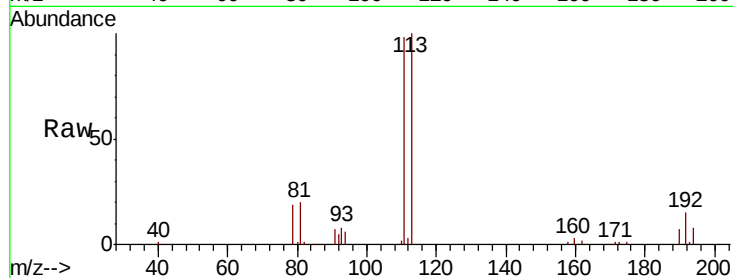
Tot Ion:113 Resp: 401497

Ion Ratio Lower Upper

113 100

111 97.7 76.4 114.6

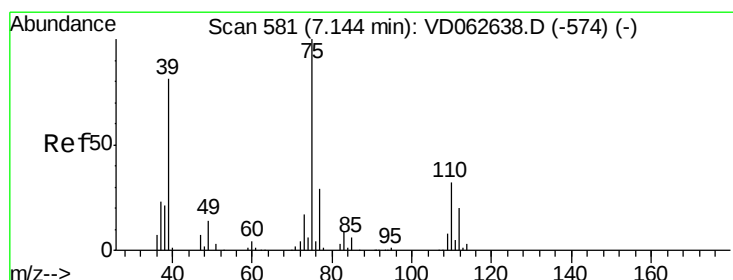
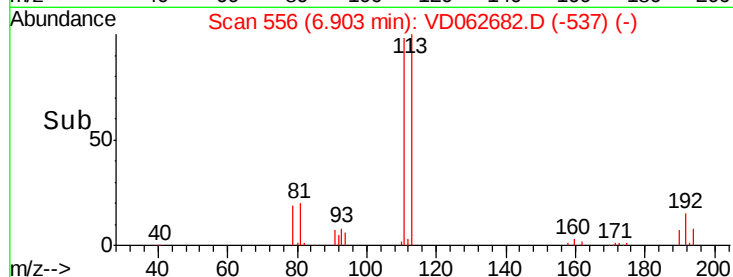
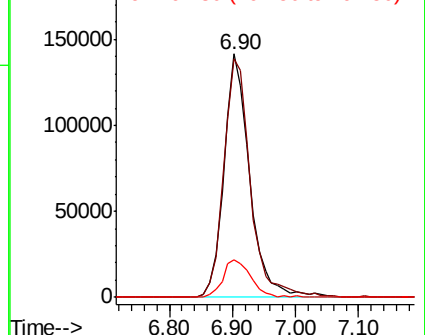
192 15.3 11.4 17.0



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

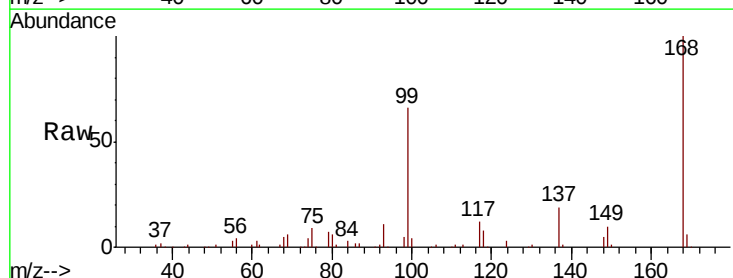
Tgt Ion: 75 Resp: 59511

Ion Ratio Lower Upper

75 100

110 4.9 15.9 47.7#

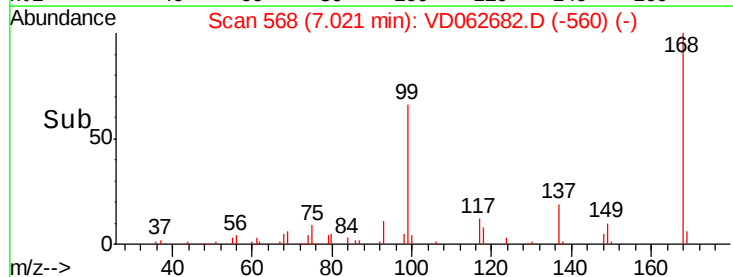
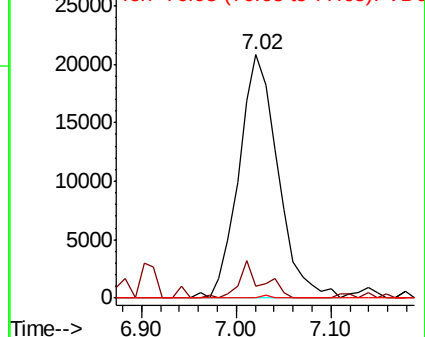
77 0.0 23.3 34.9#

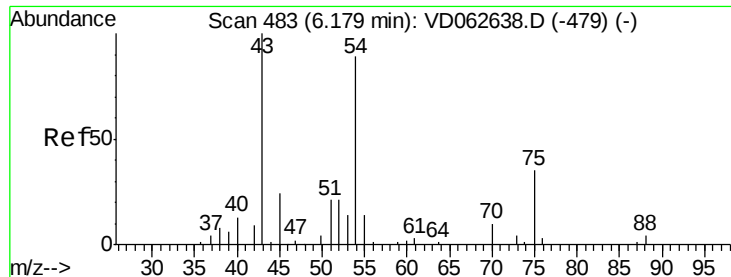


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

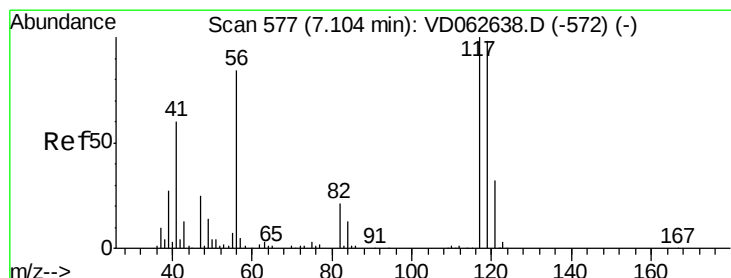
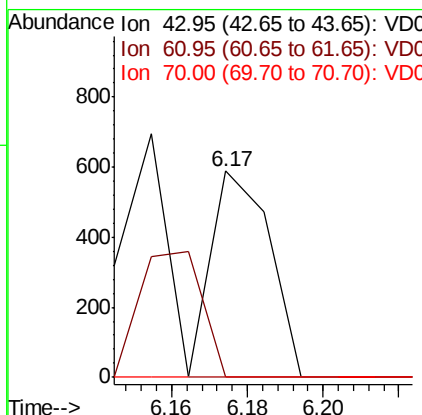
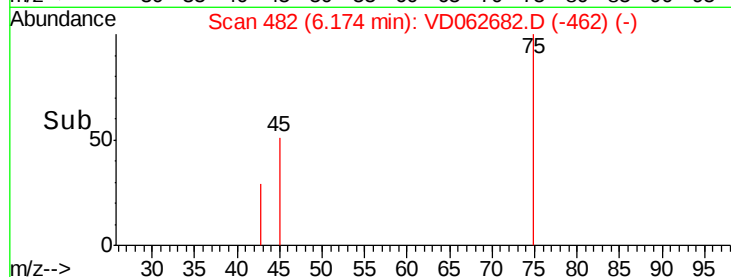
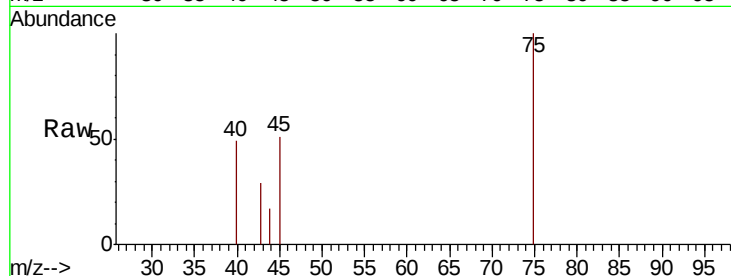




#37
Ethyl Acetate
Concen: 1.316 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

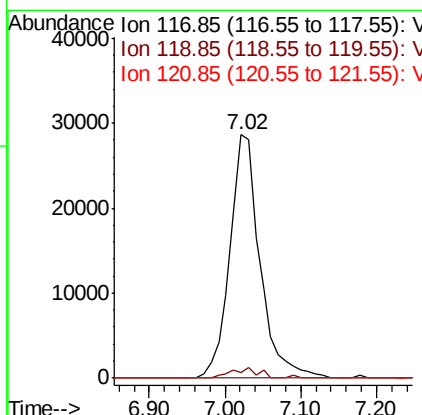
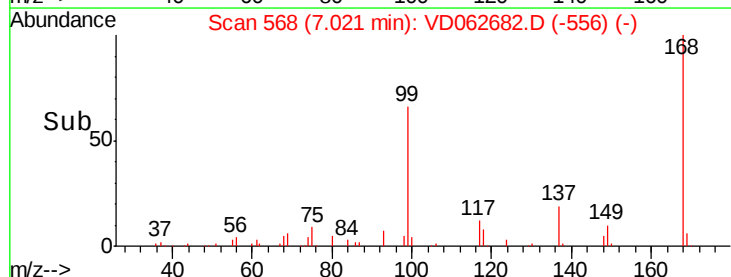
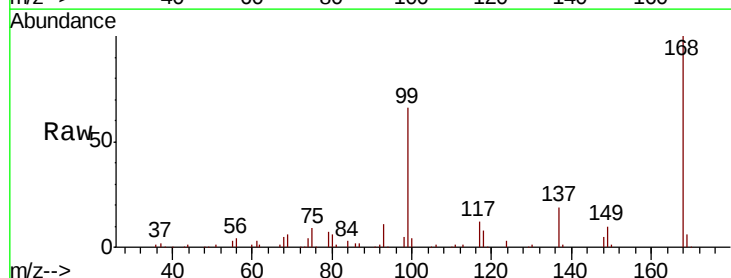
Instrument :
MSVOA_D
ClientSampleID :
BAT-B13RE

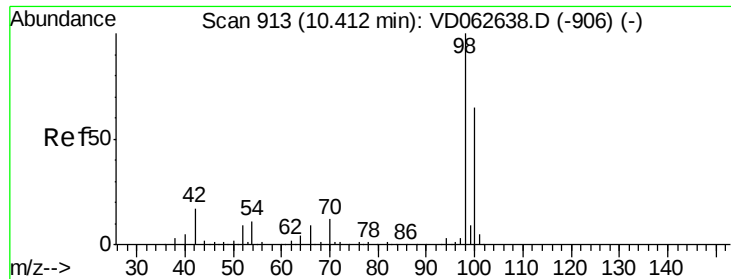
Tot Ion: 43 Resp: 626
Ion Ratio Lower Upper
43 100
61 0.0 8.7 13.1#
70 0.0 6.5 9.7#



#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#

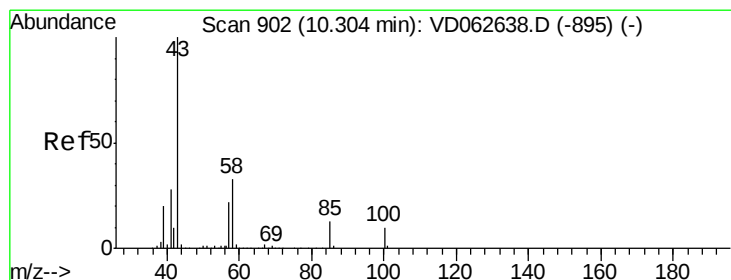
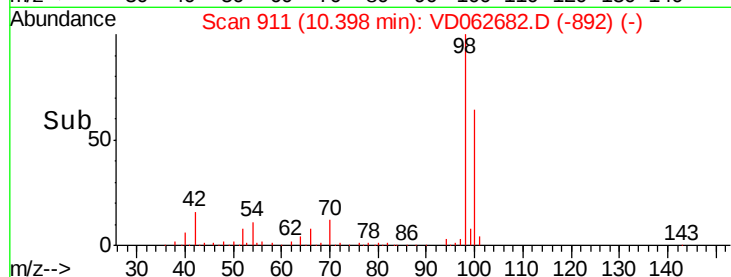
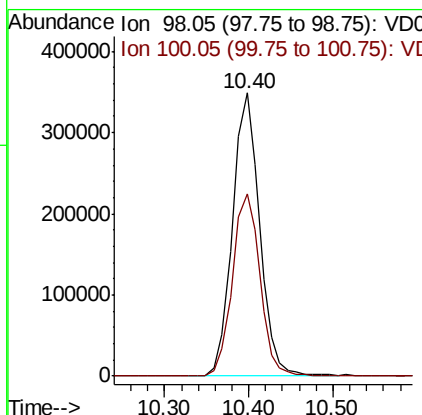
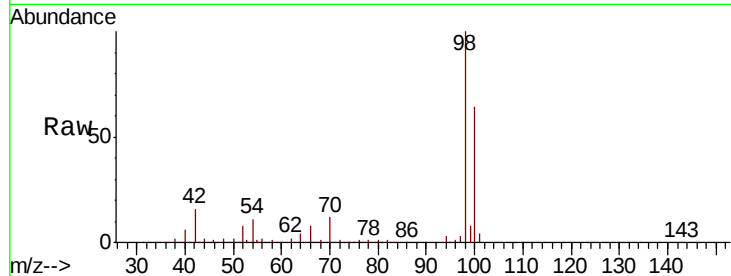




#50
Toluene-d8
Concen: 32.413 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

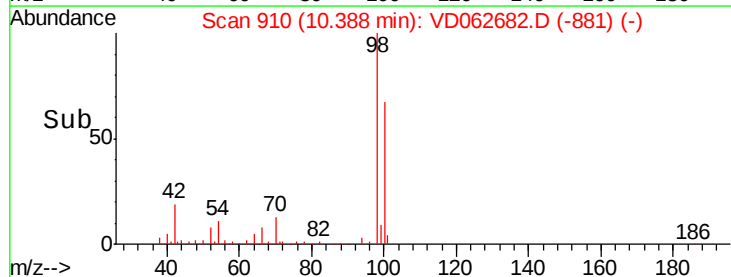
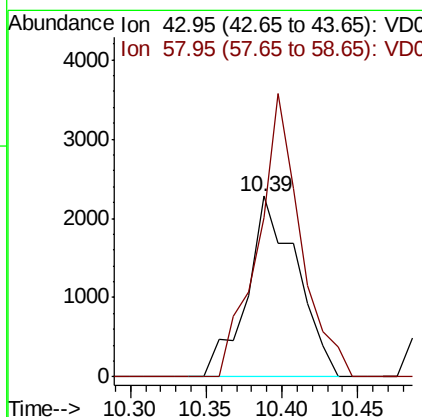
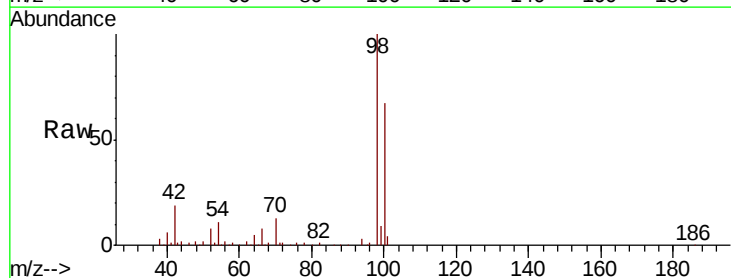
Instrument :
MSVOA_D
ClientSampleId :
BAT-B13RE

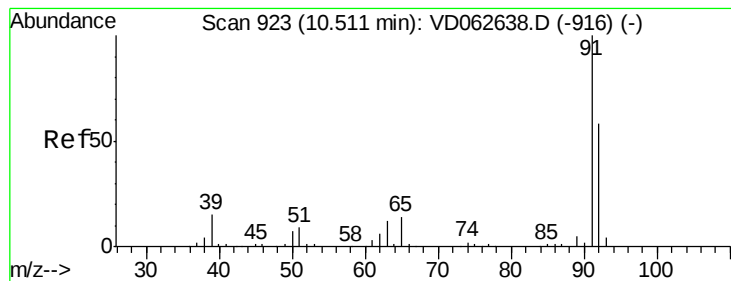
Tot Ion: 98 Resp: 782808
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#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 :

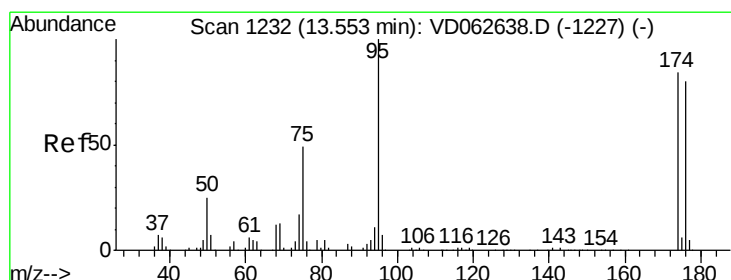
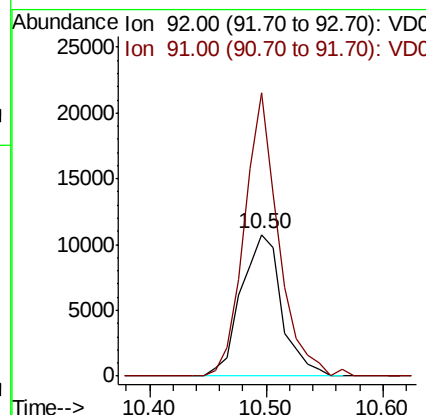
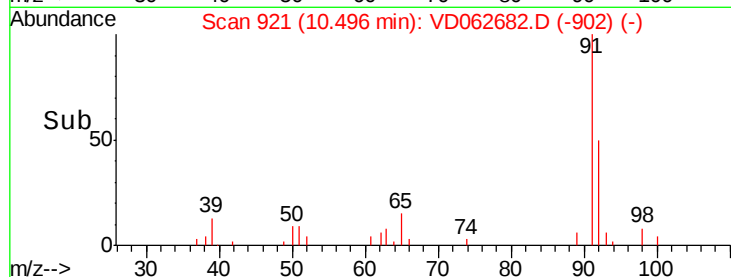
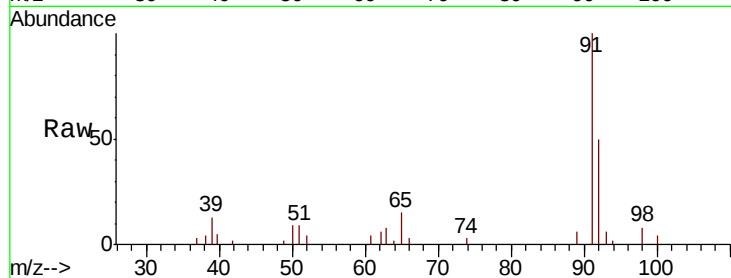
BAT-B13RE

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

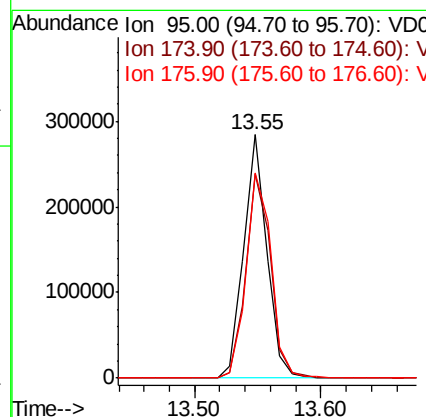
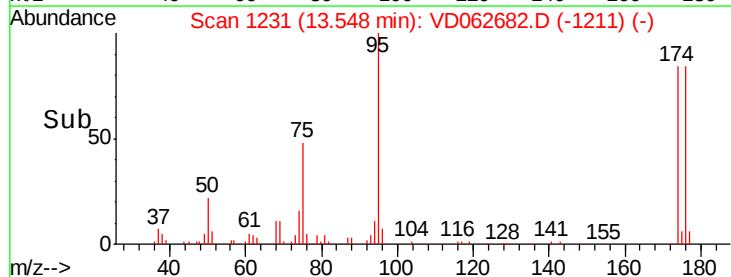
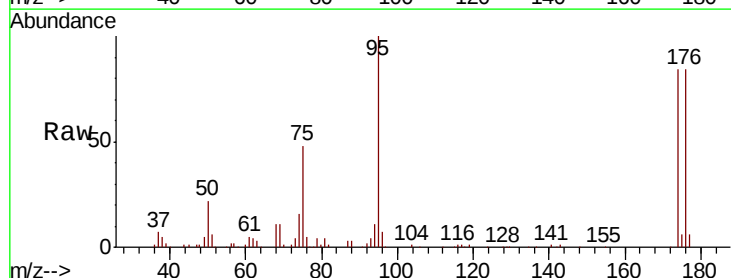
Tgt Ion: 95 Resp: 357441

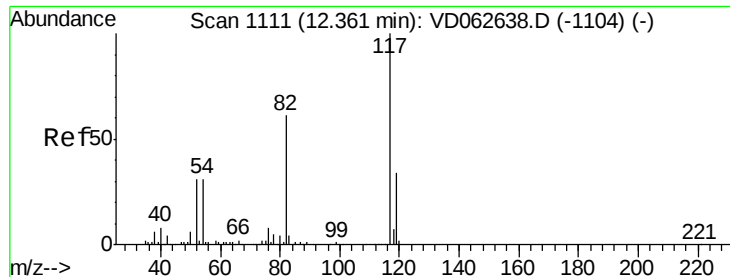
Ion Ratio Lower Upper

95 100

174 83.7 0.0 167.0

176 84.2 0.0 159.2

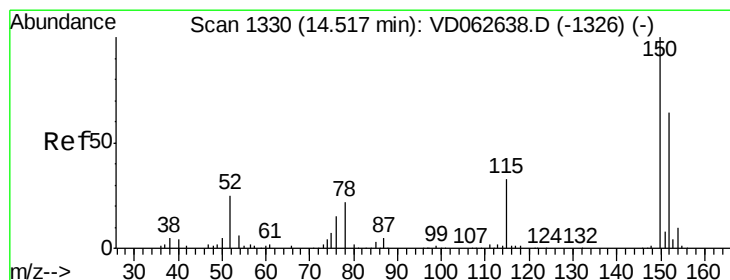
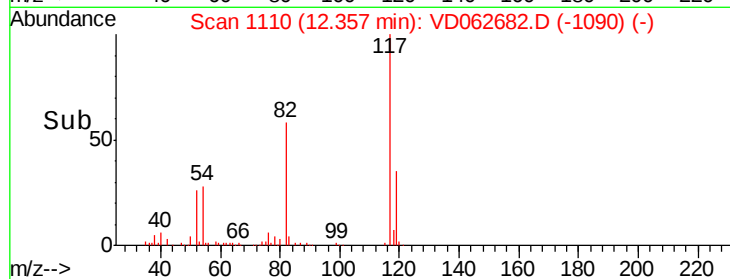
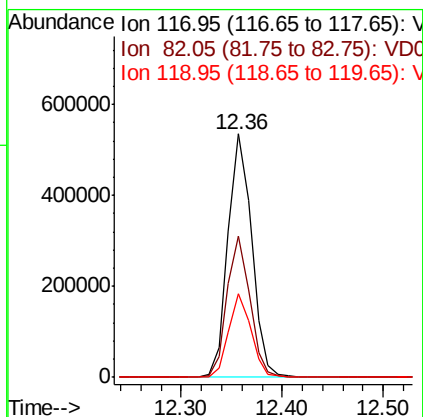
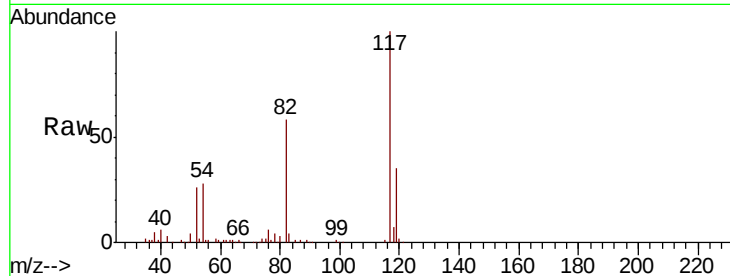




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

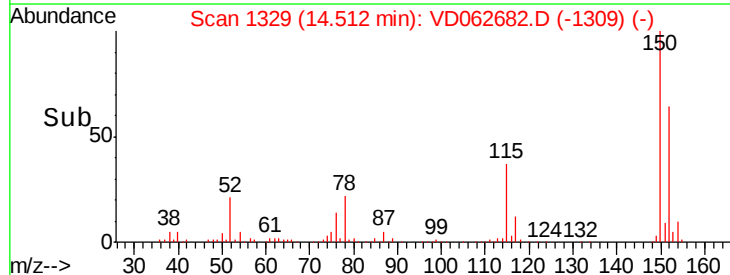
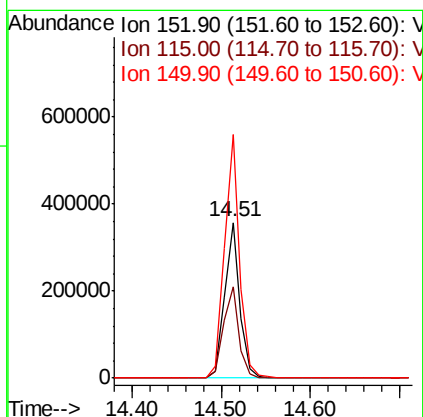
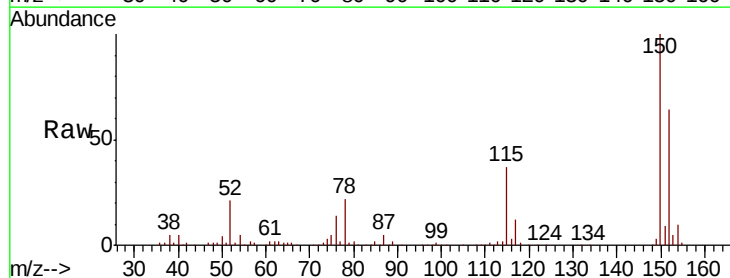
Instrument :
MSVOA_D
ClientSampleId :
BAT-B13RE

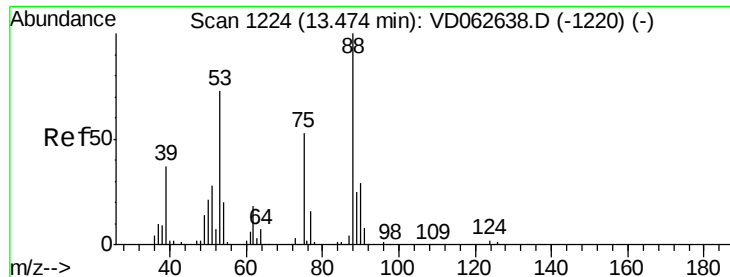
Tot Ion:117 Resp: 879780
Ion Ratio Lower Upper
117 100
82 57.7 48.7 73.1
119 34.5 27.0 40.6



#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 :

BAT-B13RE

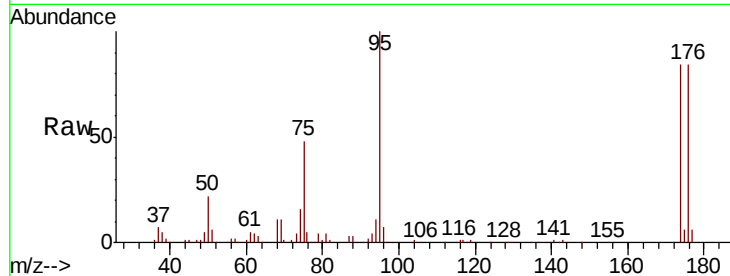
Tot Ion: 75 Resp: 172008

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

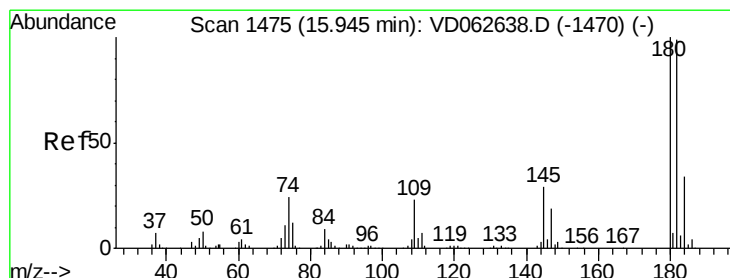
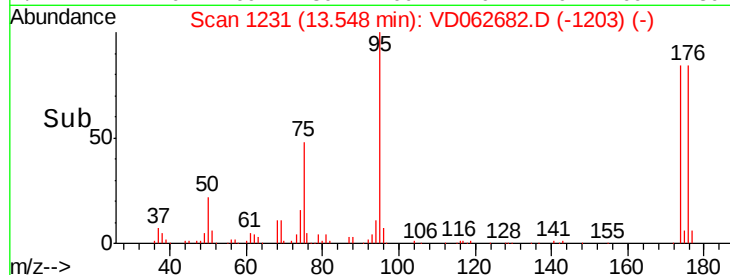
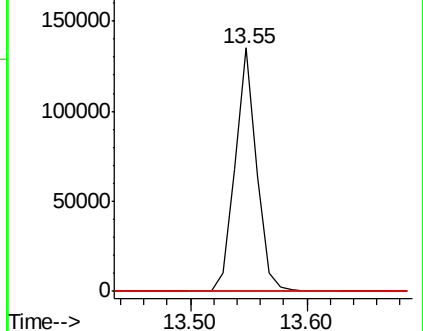
89 0.0 37.0 55.6#



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

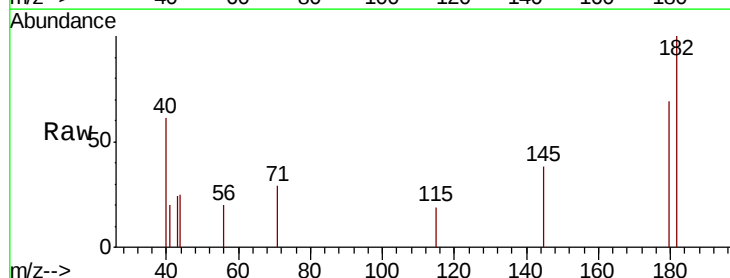
Tgt Ion:180 Resp: 1172

Ion Ratio Lower Upper

180 100

182 144.2 49.4 148.2

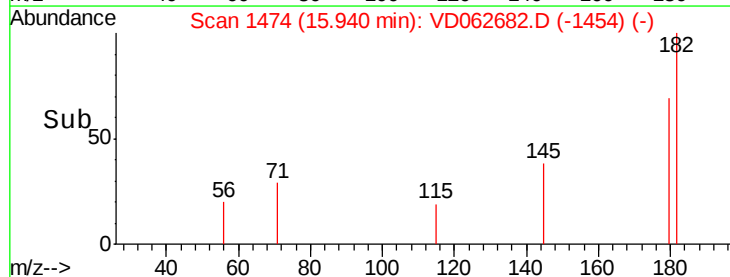
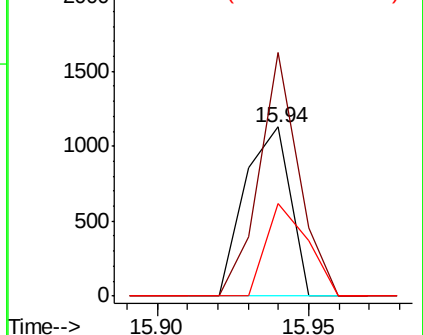
145 54.8 14.5 43.6#

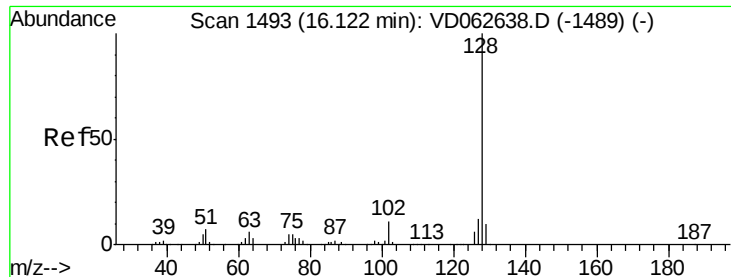


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

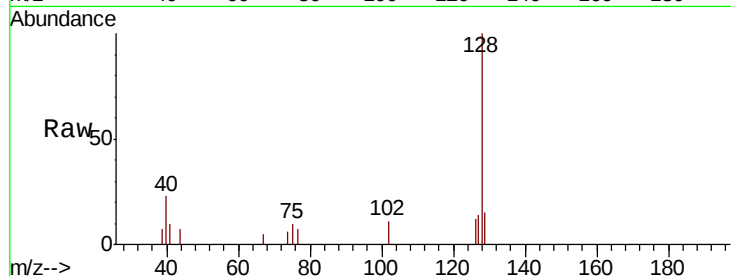




#95
Naphthalene
Concen: 3.871 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD062682.D
Acq: 12 Jun 2019 18:52

Instrument :
MSVOA_D
ClientSampleId :
BAT-B13RE

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

