

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD042519\
 Data File : VD062034.D
 Acq On : 25 Apr 2019 12:58
 Operator : VA/AP
 Sample : K2532-06RE
 Misc : 5.28g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2-2RE

Quant Time: Apr 25 13:39:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

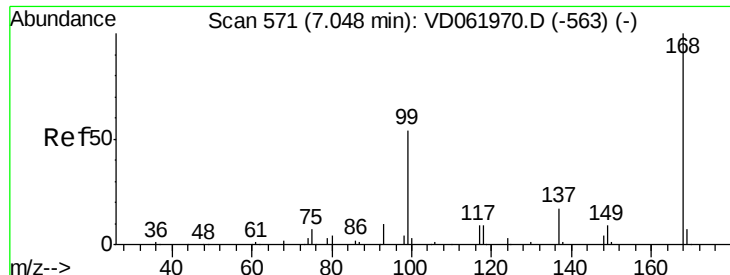
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	10353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	19470	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	18673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	9464	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	6084	75.08	ug/l	-0.01
Spiked Amount			Recovery	=	150.16%	
35) Dibromofluoromethane	6.91	113	5418	40.24	ug/l	-0.02
Spiked Amount			Recovery	=	80.48%	
50) Toluene-d8	10.41	98	16375	51.11	ug/l	-0.01
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	13.56	95	7579	58.97	ug/l	0.00
Spiked Amount			Recovery	=	117.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	443	20.896	ug/l #	12
10) Methyl Iodide	3.36	142	220	6.726	ug/l #	37
16) Acetone	3.21	43	1538	79.495	ug/l #	50
20) Methylene Chloride	3.80	84	205	Below Cal	#	8
38) Carbon Tetrachloride	7.04	117	681	3.543	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.56	75	2910	79.904	ug/l #	16
88) 1,4-Dichlorobenzene	14.53	146	465	1.568	ug/l #	69
93) 1,2,4-Trichlorobenzene	15.95	180	181	1.282	ug/l #	11
95) Naphthalene	16.13	128	684	3.001	ug/l #	70

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

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ALS Vial : 8 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD062034.D

Acq: 25 Apr 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

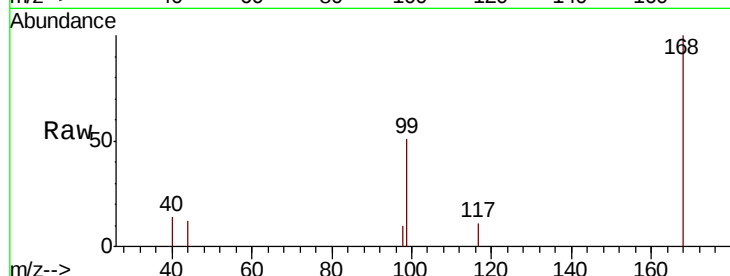
TP-2-2RE

Tgt Ion:168 Resp: 10353

Ion Ratio Lower Upper

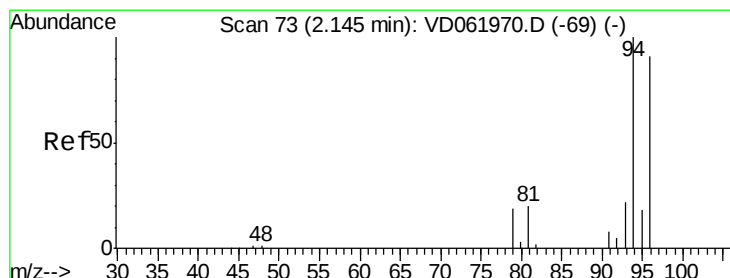
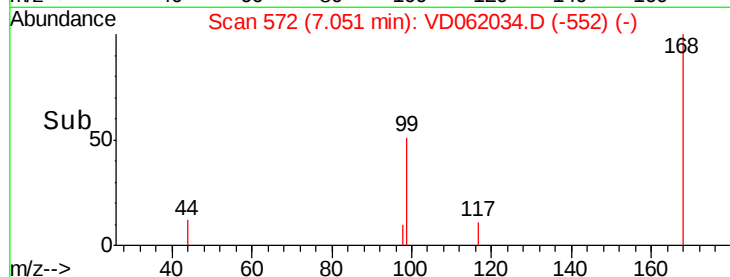
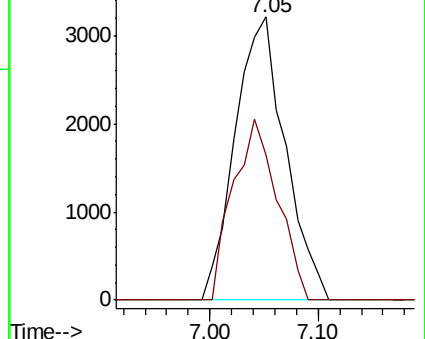
168 100

99 51.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 20.896 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062034.D

Acq: 25 Apr 2019 12:58

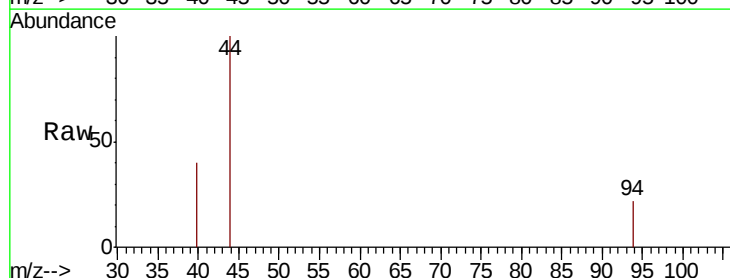
Tgt Ion: 94 Resp: 443

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

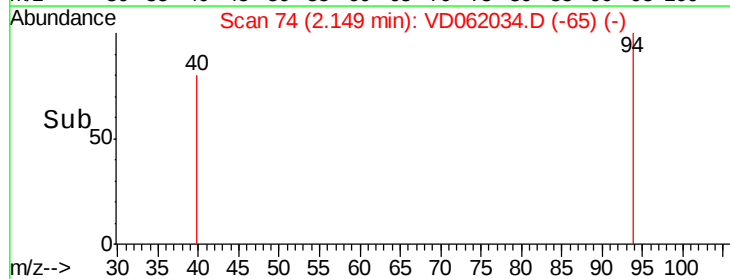
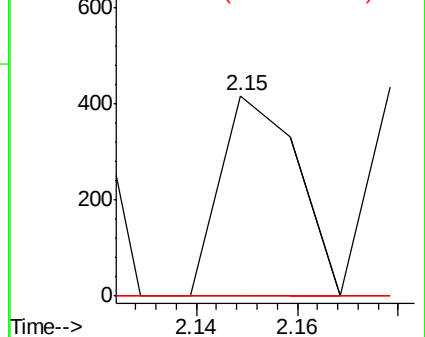
93 0.0 18.5 27.7#

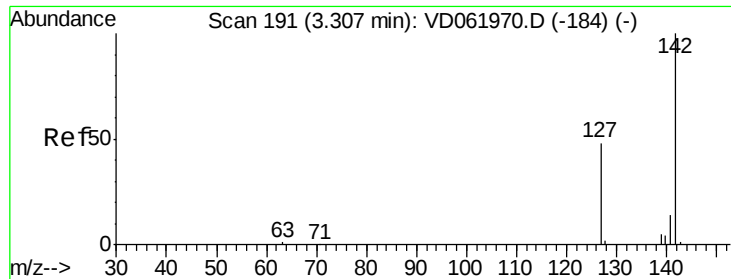


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

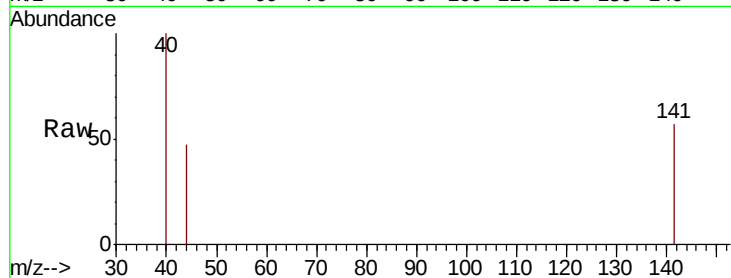




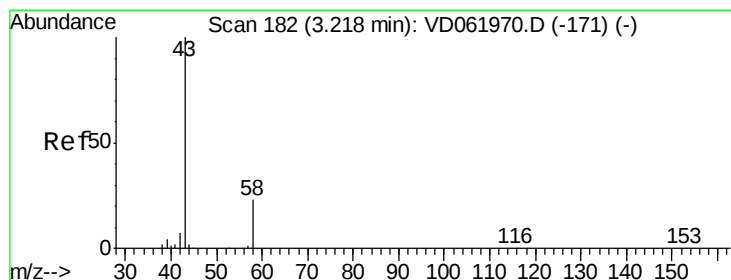
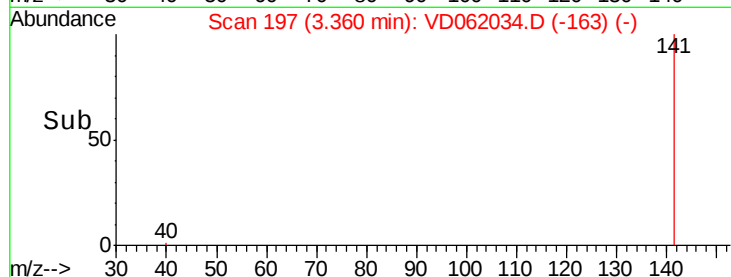
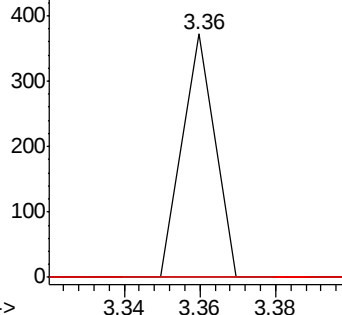
#10
Methyl Iodide
Concen: 6.726 ug/l
RT: 3.36 min Scan# 197
Delta R.T. 0.04 min
Lab File: VD062034.D
Acq: 25 Apr 2019 12:58

Instrument :
MSVOA_D
ClientSampleId :
TP-2-2RE

Tgt Ion: 142 Resp: 220
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

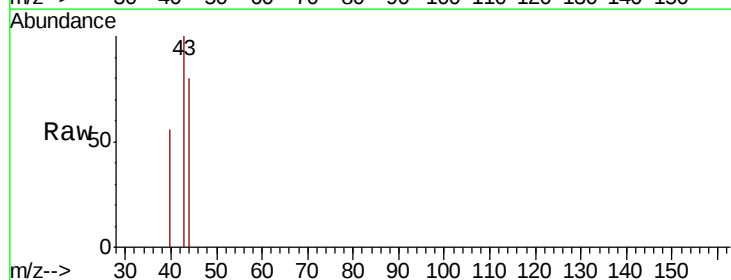


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

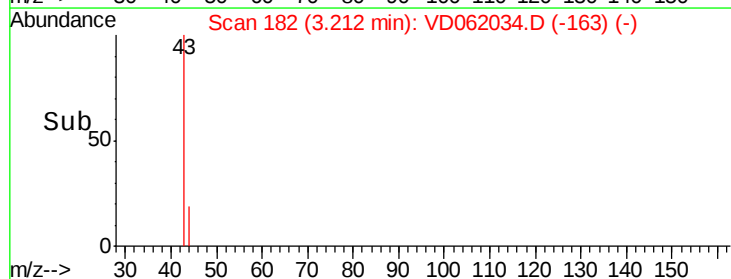
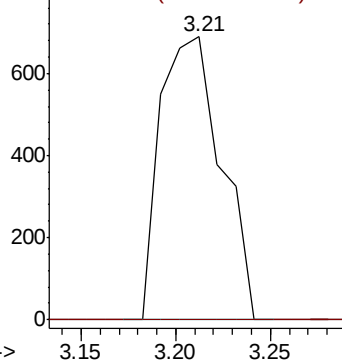


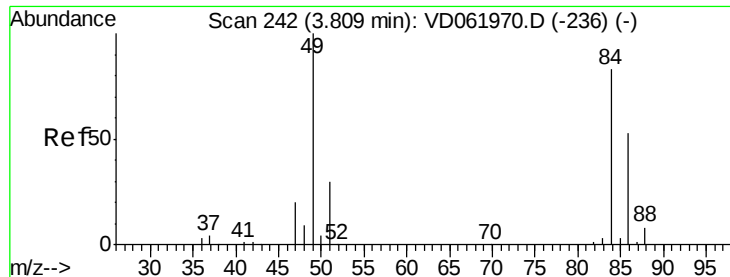
#16
Acetone
Concen: 79.495 ug/l
RT: 3.21 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD062034.D
Acq: 25 Apr 2019 12:58

Tgt Ion: 43 Resp: 1538
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#



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

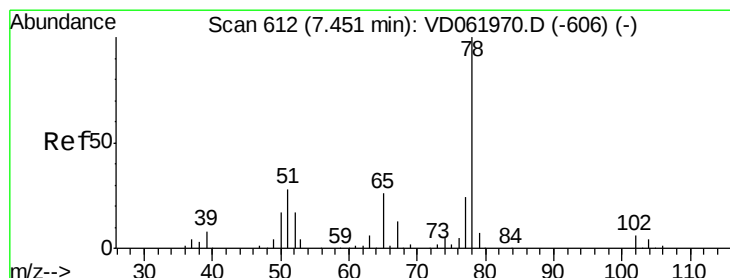
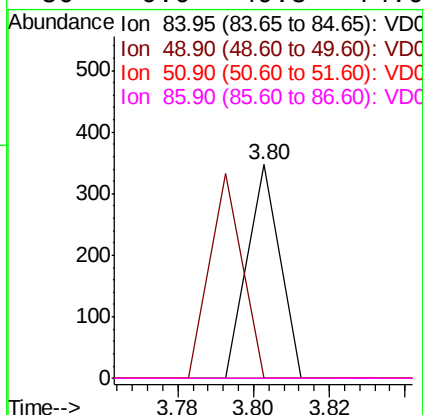
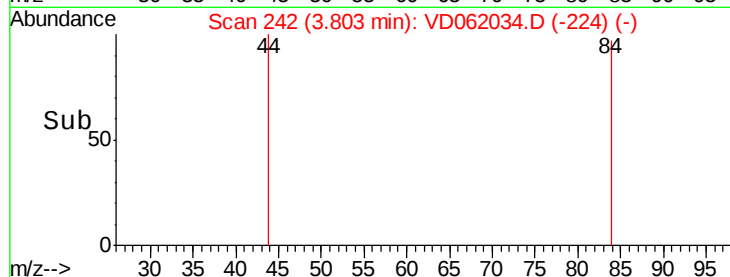
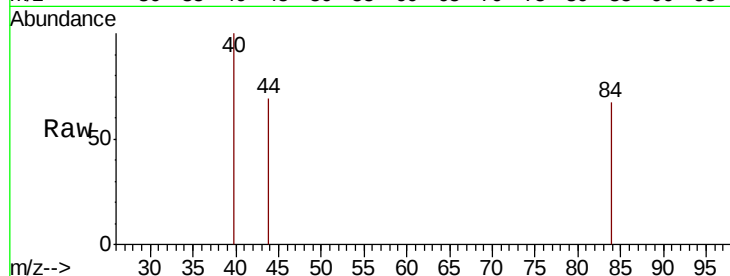




#20
Methylene Chloride
Concen: Below Cal
RT: 3.80 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD062034.D
Acq: 25 Apr 2019 12:58

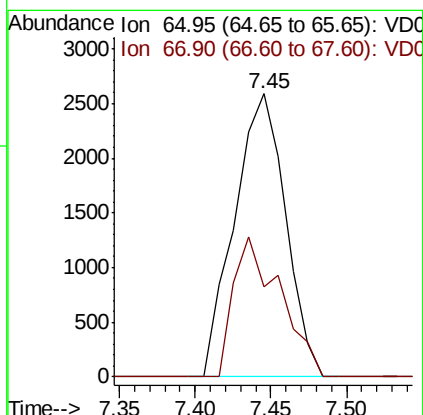
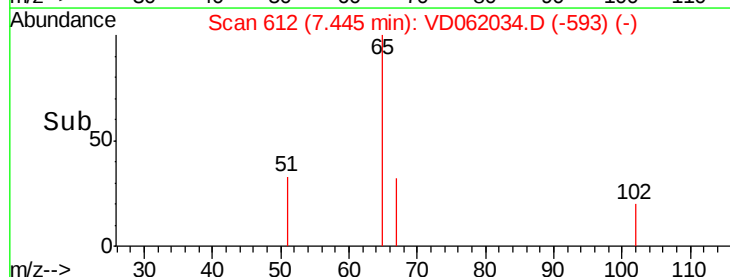
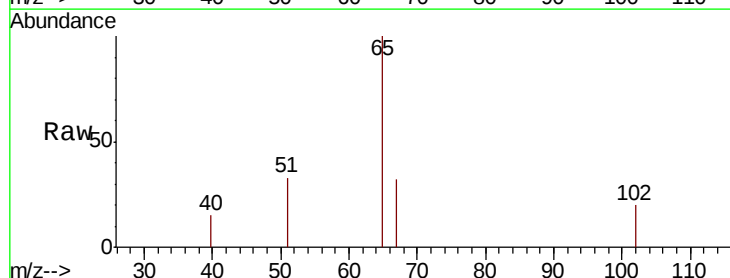
Instrument :
MSVOA_D
ClientSampleId :
TP-2-2RE

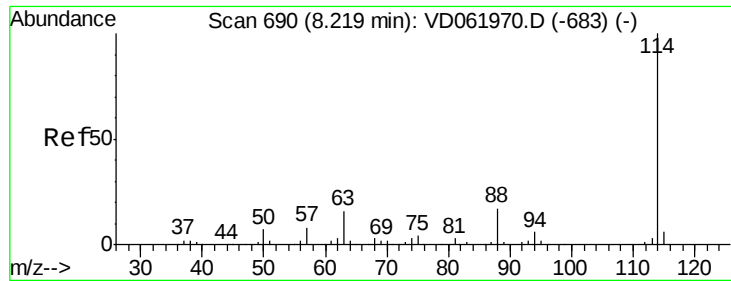
Tgt Ion:	84	Resp:	205
Ion	Ratio	Lower	Upper
84	100		
49	0.0	94.0	141.0#
51	0.0	29.0	43.4#
86	0.0	49.8	74.6#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD062034.D
Acq: 25 Apr 2019 12:58

Tgt Ion:	65	Resp:	6084
Ion	Ratio	Lower	Upper
65	100		
67	31.7	0.0	98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062034.D

Acq: 25 Apr 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

TP-2-2RE

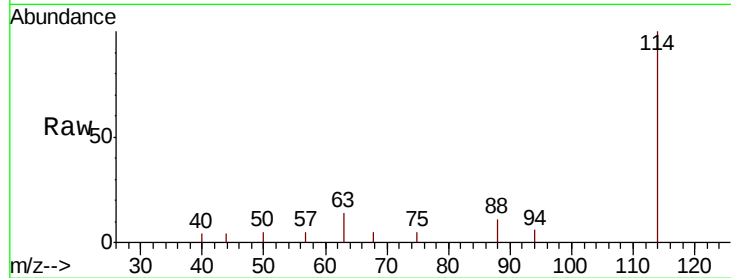
Tgt Ion:114 Resp: 19470

Ion Ratio Lower Upper

114 100

63 13.6 0.0 32.4

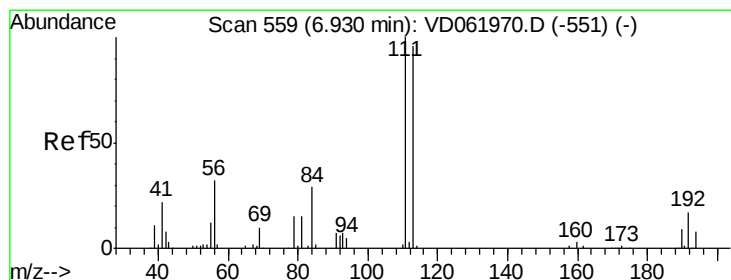
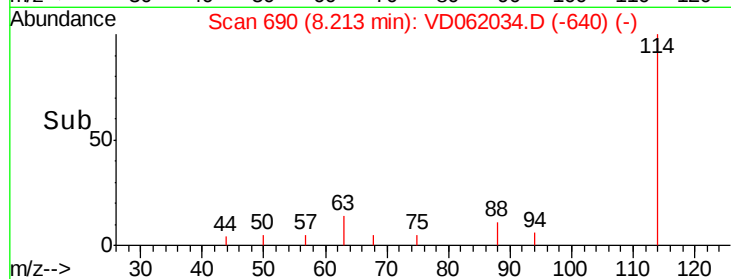
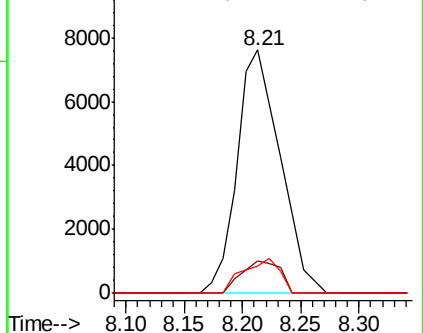
88 11.4 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD062034.D

Acq: 25 Apr 2019 12:58

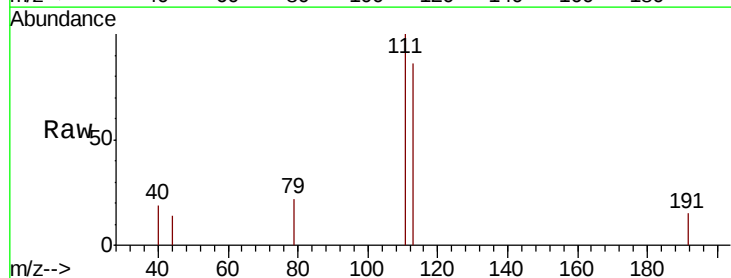
Tgt Ion:113 Resp: 5418

Ion Ratio Lower Upper

113 100

111 115.9 78.5 117.7

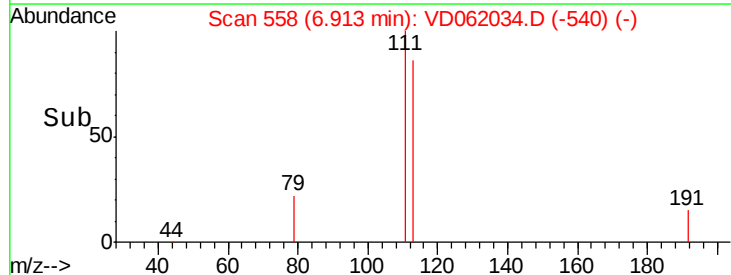
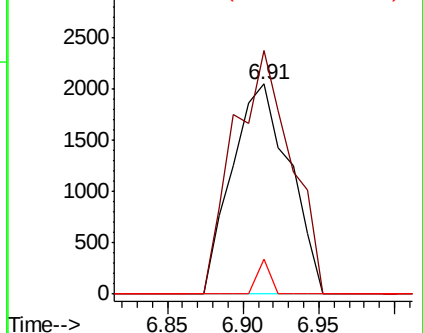
192 16.8 13.0 19.4

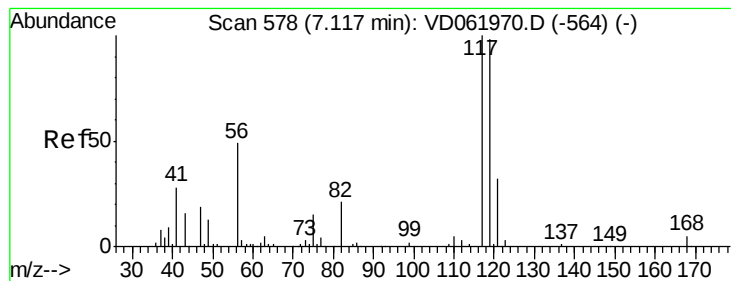


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#38

Carbon Tetrachloride

Concen: 3.543 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062034.D

Acq: 25 Apr 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

TP-2-2RE

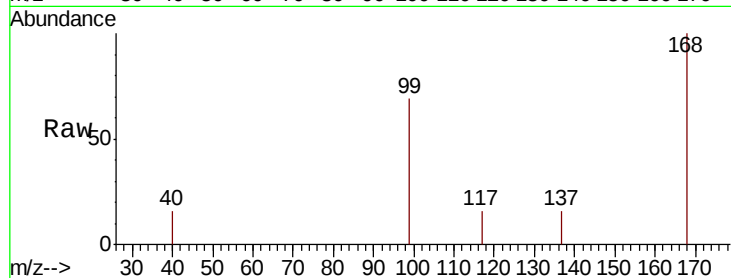
Tgt Ion:117 Resp: 681

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

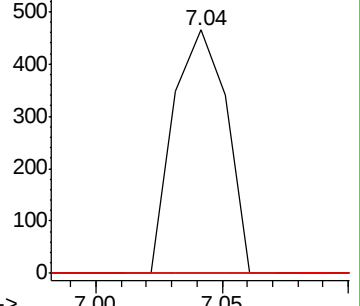
121 0.0 25.9 38.9#



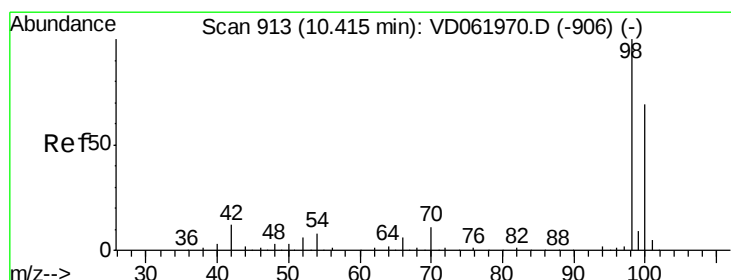
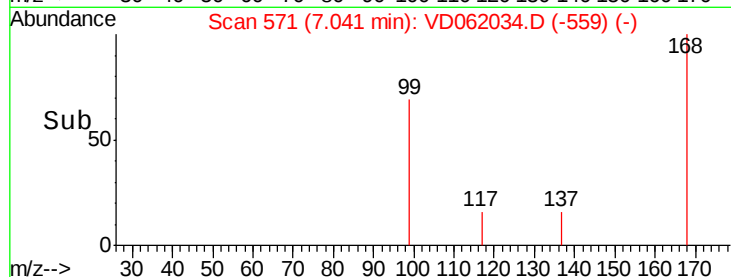
Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD062034.D

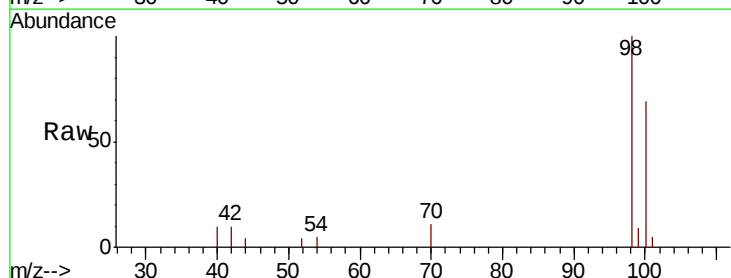
Acq: 25 Apr 2019 12:58

Tgt Ion: 98 Resp: 16375

Ion Ratio Lower Upper

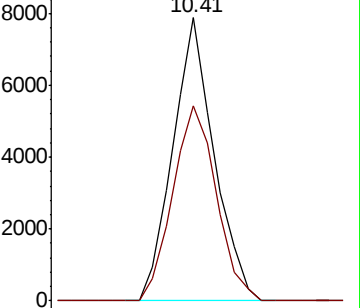
98 100

100 69.1 53.8 80.8

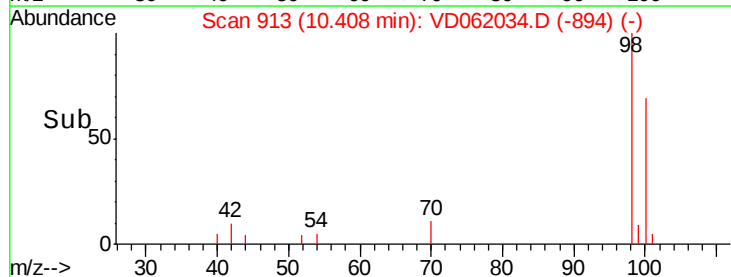


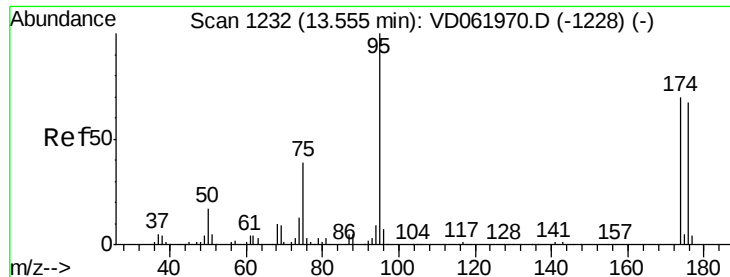
Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V



Time-->

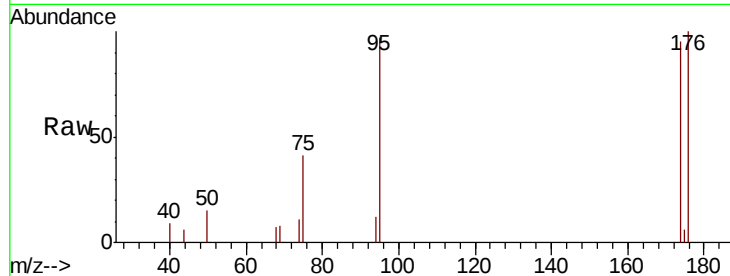




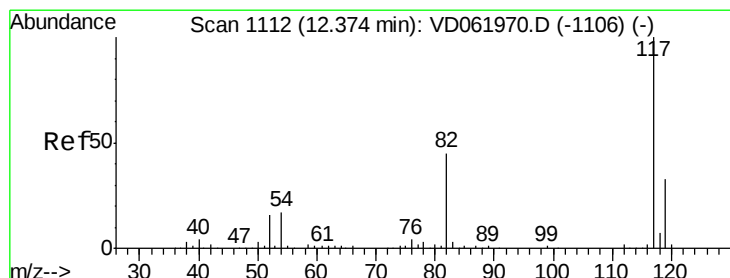
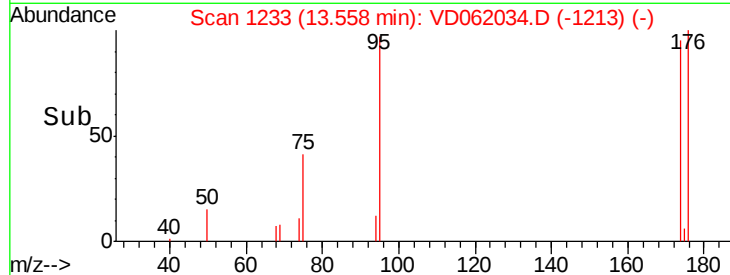
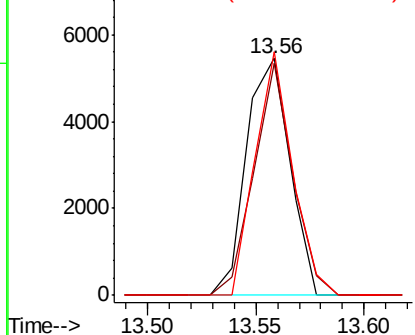
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD062034.D
Acq: 25 Apr 2019 12:58

Instrument :
MSVOA_D
ClientSampleId :
TP-2-2RE

Tgt Ion: 95 Resp: 7579
Ion Ratio Lower Upper
95 100
174 97.9 0.0 181.8
176 102.7 0.0 174.4

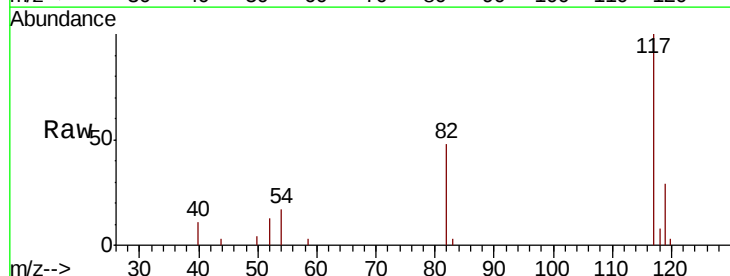


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

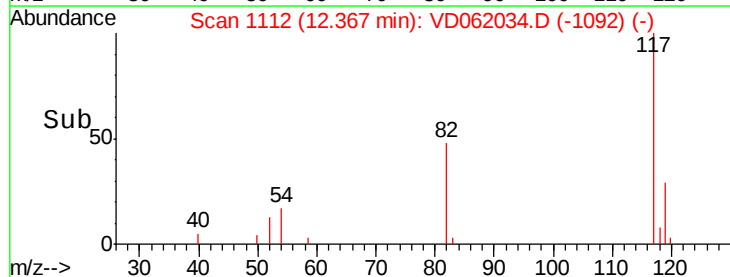
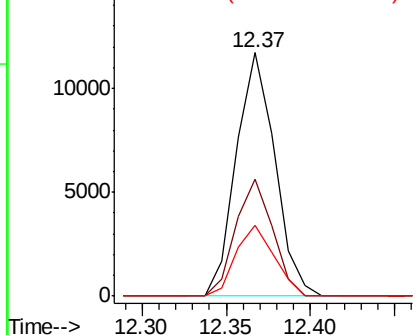


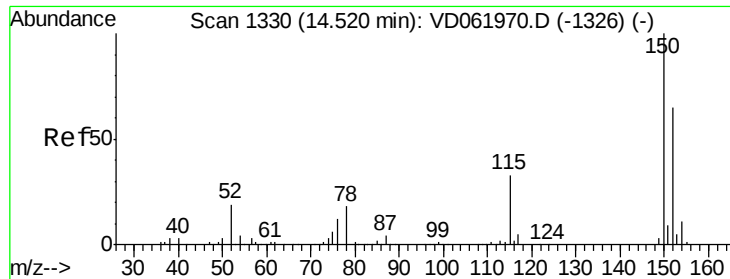
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062034.D
Acq: 25 Apr 2019 12:58

Tgt Ion: 117 Resp: 18673
Ion Ratio Lower Upper
117 100
82 48.0 36.2 54.2
119 29.3 26.2 39.4



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD062034.D

Acq: 25 Apr 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

TP-2-2RE

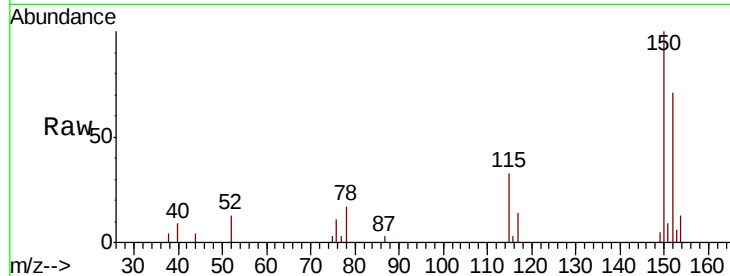
Tgt Ion:152 Resp: 9464

Ion Ratio Lower Upper

152 100

115 46.9 30.9 92.7

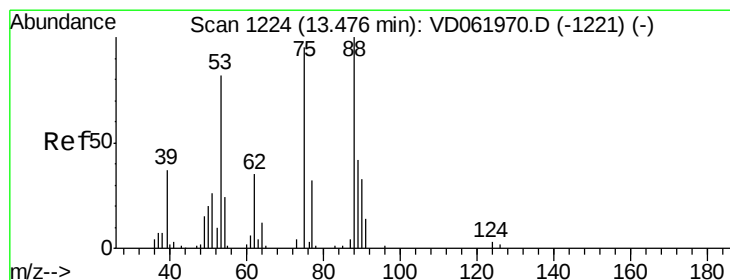
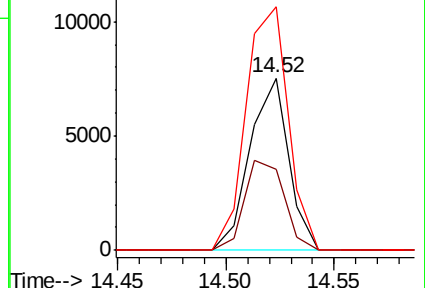
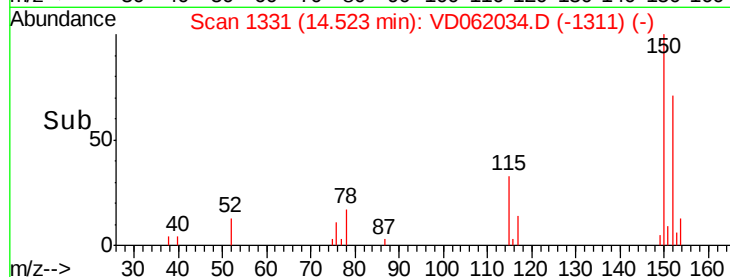
150 141.3 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 79.904 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062034.D

Acq: 25 Apr 2019 12:58

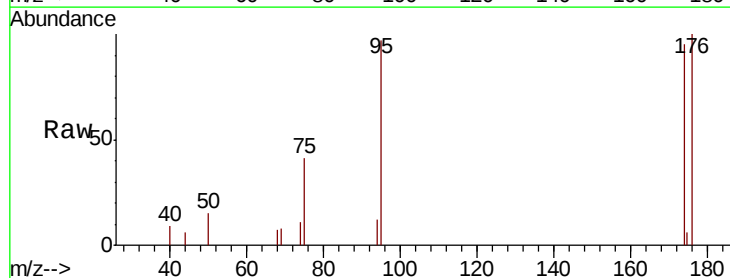
Tgt Ion: 75 Resp: 2910

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

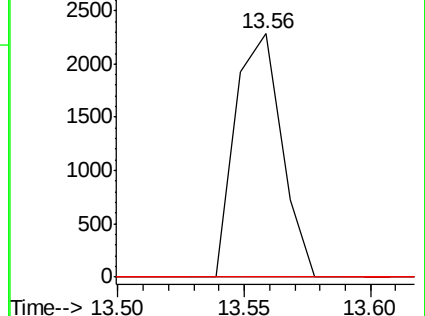
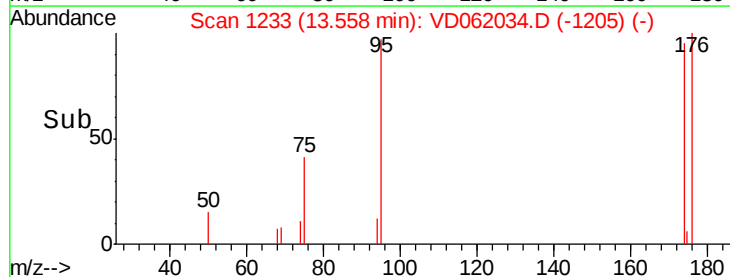
89 0.0 35.0 52.6#

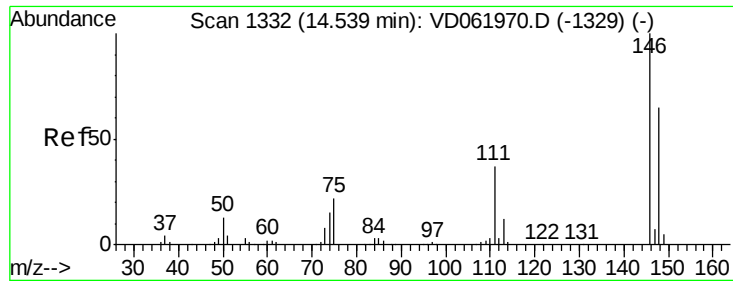


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V





#88

1,4-Dichlorobenzene

Concen: 1.568 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VD062034.D

Acq: 25 Apr 2019 12:58

Instrument :

MSVOA_D

ClientSampleId :

TP-2-2RE

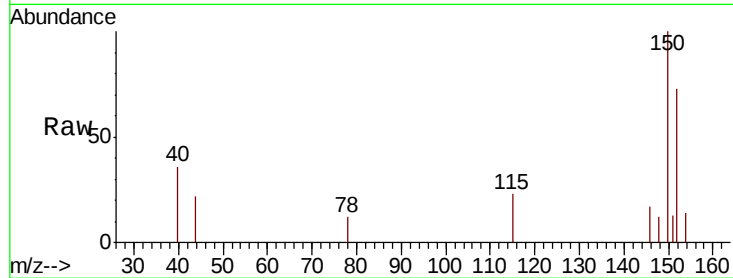
Tgt Ion:146 Resp: 465

Ion Ratio Lower Upper

146 100

111 0.0 20.2 60.5#

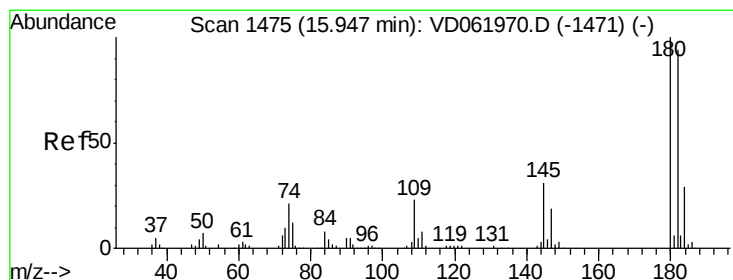
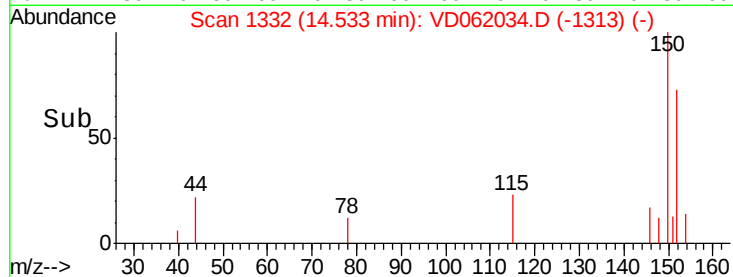
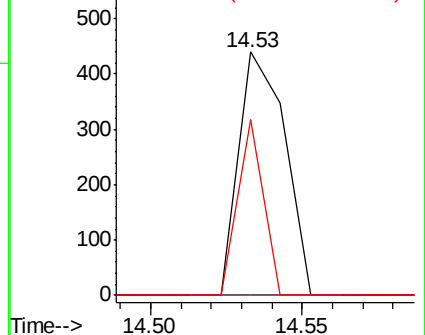
148 72.0 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 1.282 ug/l

RT: 15.95 min Scan# 1476

Delta R.T. 0.01 min

Lab File: VD062034.D

Acq: 25 Apr 2019 12:58

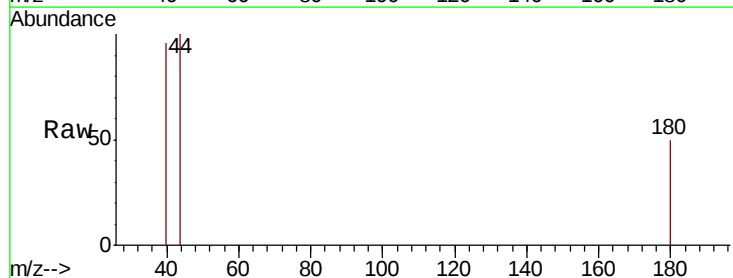
Tgt Ion:180 Resp: 181

Ion Ratio Lower Upper

180 100

182 0.0 49.3 147.8#

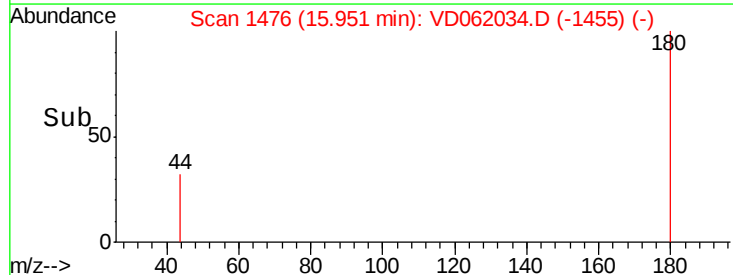
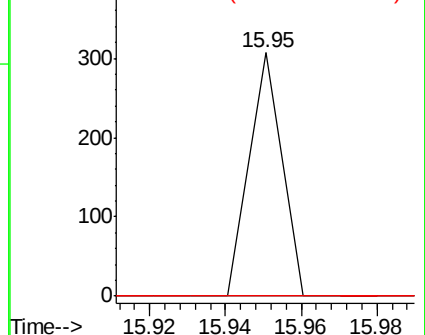
145 0.0 16.2 48.6#

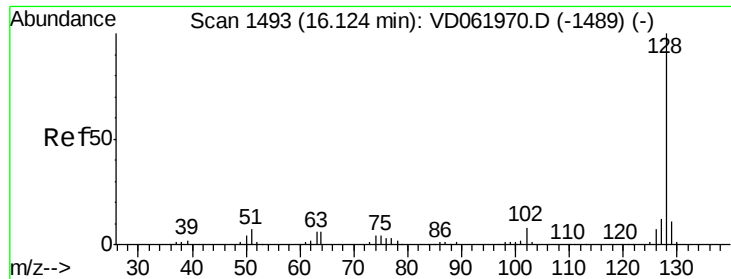


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95
 Naphthalene
 Concen: 3.001 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VD062034.D
 Acq: 25 Apr 2019 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2-2RE

Tgt Ion:128 Resp: 684
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.8 14.8#
 129 0.0 8.8 13.2#

