

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051719\
 Data File : VD062444.D
 Acq On : 17 May 2019 17:36
 Operator : FY/SY
 Sample : K2896-02
 Misc : 5.92g/5mL/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-18-S2

Quant Time: May 18 00:05:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	18292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	26943	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	21172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	9058	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	11741	69.07	ug/l	0.02
Spiked Amount 50.000			Recovery	=	138.14%	
35) Dibromofluoromethane	6.91	113	10884	48.69	ug/l	0.02
Spiked Amount 50.000			Recovery	=	97.38%	
50) Toluene-d8	10.41	98	19228	35.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.34%	
62) 4-Bromofluorobenzene	13.55	95	7388	34.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	68.26%	

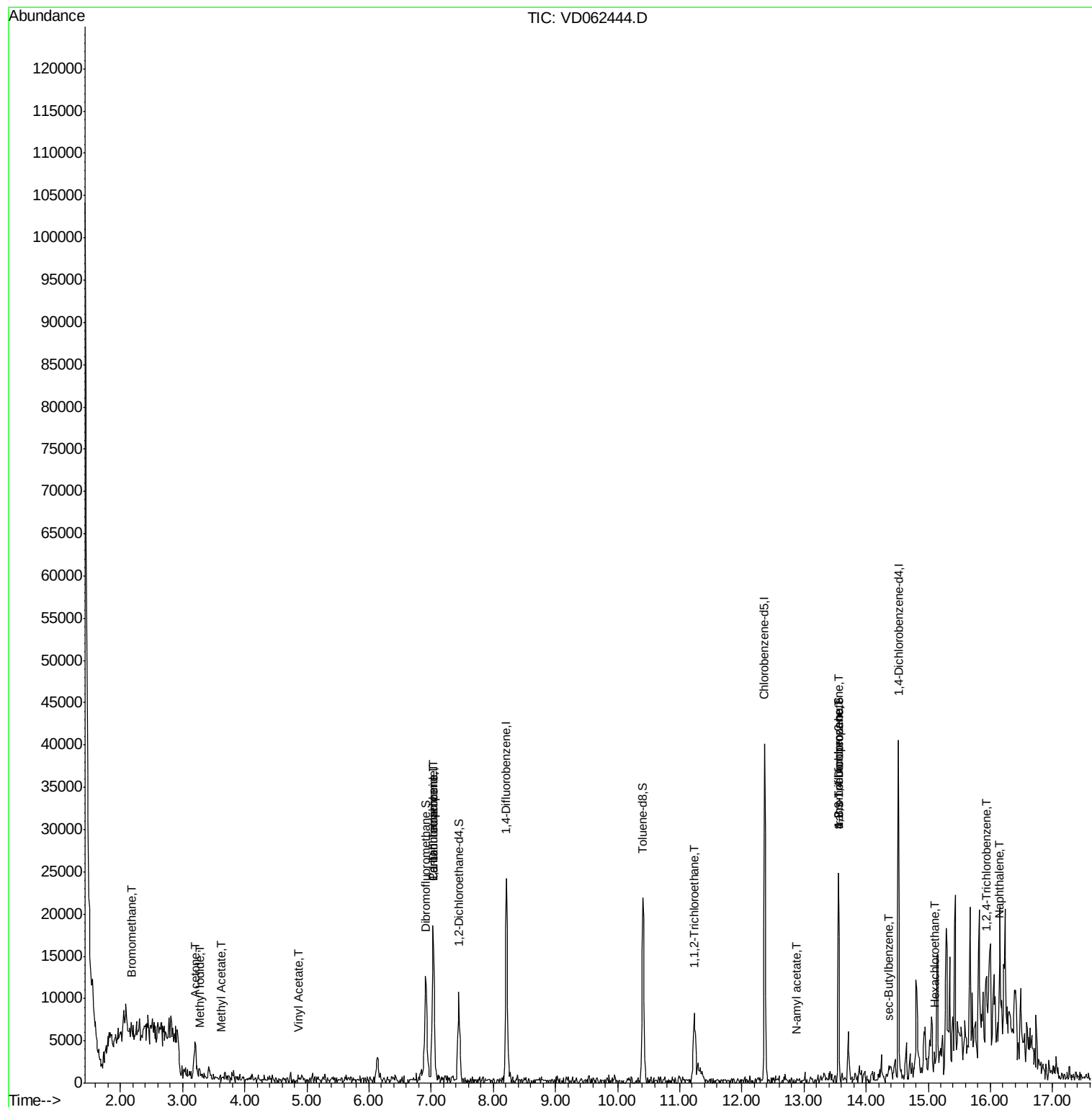
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	1616	55.513	ug/l #	12
10) Methyl Iodide	3.29	142	468	1.695	ug/l #	37
16) Acetone	3.20	43	8646	242.533	ug/l #	87
18) Methyl Acetate	3.63	43	207	2.961	ug/l #	53
23) Vinyl Acetate	4.88	43	420	1.845	ug/l #	77
36) 1,1-Dichloropropene	7.04	75	1000	4.527	ug/l #	40
38) Carbon Tetrachloride	7.03	117	2160	7.064	ug/l #	12
55) 1,1,2-Trichloroethane	11.23	97	195	1.698	ug/l #	16
74) N-amyl acetate	12.90	43	228	1.602	ug/l #	49
76) 1,2,3-Trichloropropane	13.55	75	2684	24.933	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.55	75	3357	110.466	ug/l #	16
85) sec-Butylbenzene	14.36	105	684	1.214	ug/l #	60
90) Hexachloroethane	15.09	117	521	3.806	ug/l #	20
93) 1,2,4-Trichlorobenzene	15.95	180	255	1.532	ug/l #	1
95) Naphthalene	16.13	128	1769	7.613	ug/l #	70

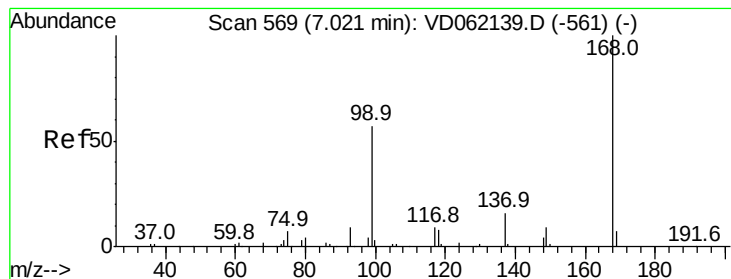
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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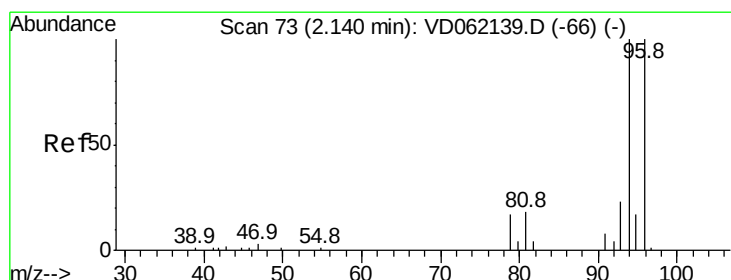
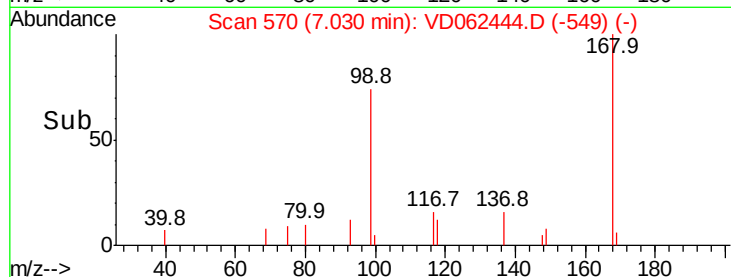
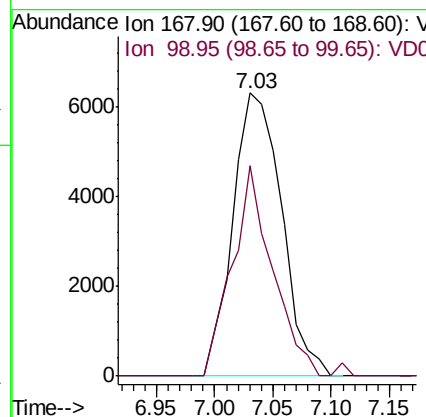
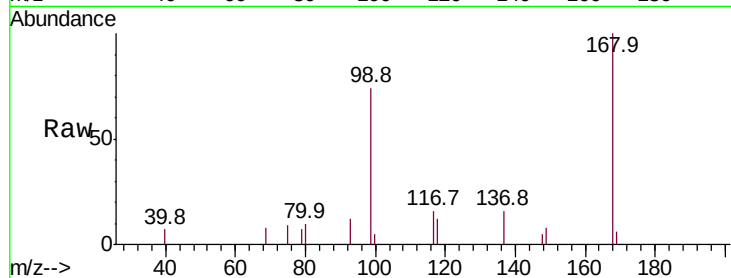




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.01 min
Lab File: VD062444.D
Acq: 17 May 2019 17:36

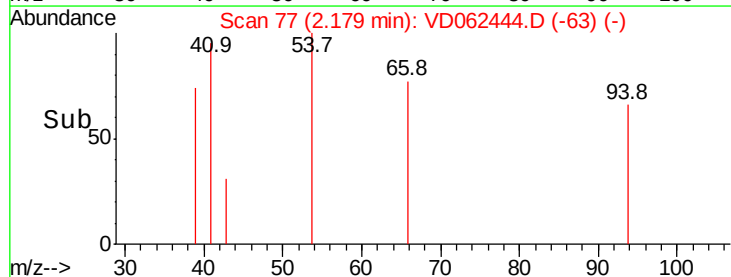
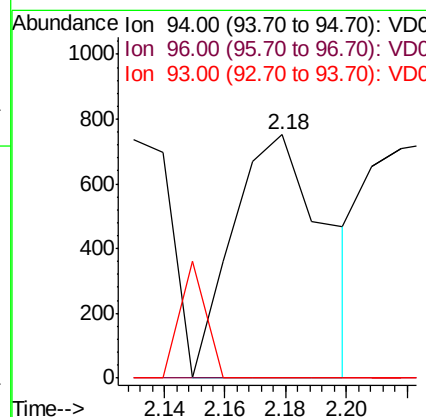
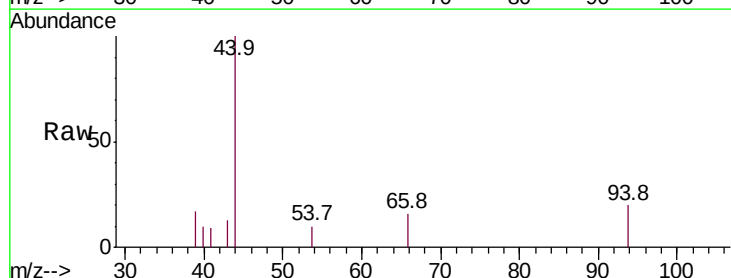
Instrument :
MSVOA_D
ClientSampleId :
TP-18-S2

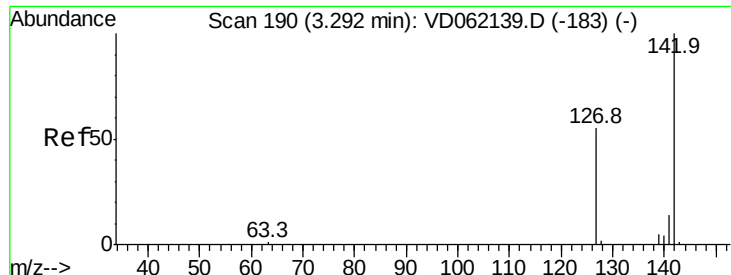
Tot Ion:168 Resp: 18292
Ion Ratio Lower Upper
168 100
99 74.5 46.5 69.7#



#5
Bromomethane
Concen: 55.513 ug/l
RT: 2.18 min Scan# 77
Delta R.T. 0.04 min
Lab File: VD062444.D
Acq: 17 May 2019 17:36

Tgt Ion: 94 Resp: 1616
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#
93 0.0 18.5 27.7#

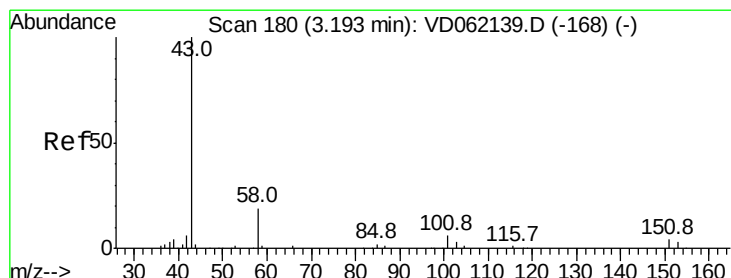
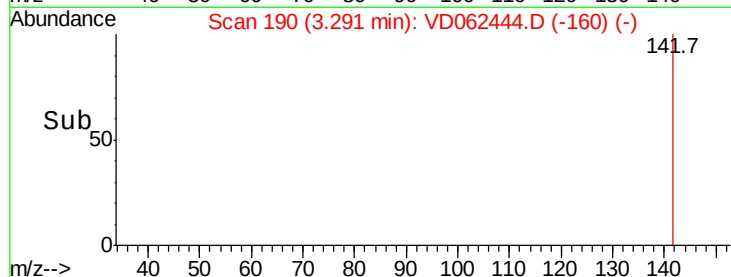
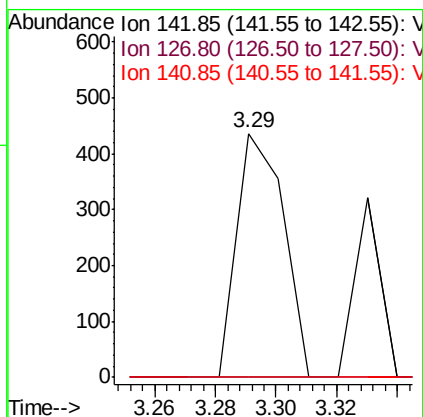
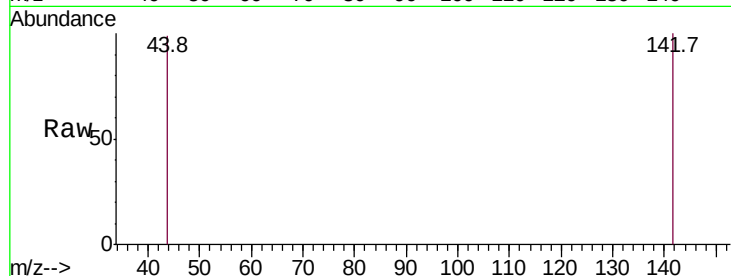




#10
Methvl Iodide
Concen: 1.695 ug/l
RT: 3.29 min Scan# 190
Delta R.T. -0.00 min
Lab File: VD062444.D
Acq: 17 May 2019 17:36

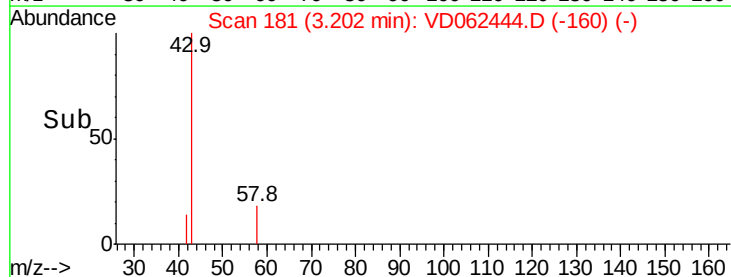
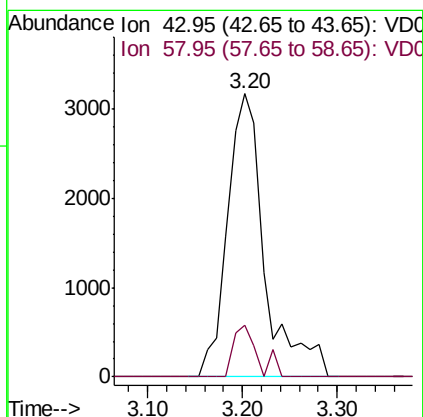
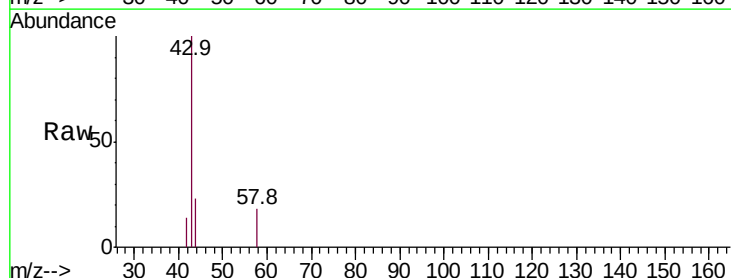
Instrument :
MSVOA_D
ClientSampleId :
TP-18-S2

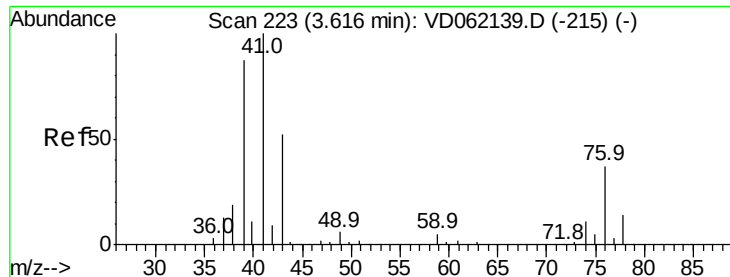
Tot Ion:142 Resp: 468
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 242.533 ug/l
RT: 3.20 min Scan# 181
Delta R.T. 0.01 min
Lab File: VD062444.D
Acq: 17 May 2019 17:36

Tgt Ion: 43 Resp: 8646
Ion Ratio Lower Upper
43 100
58 18.2 19.9 29.9#

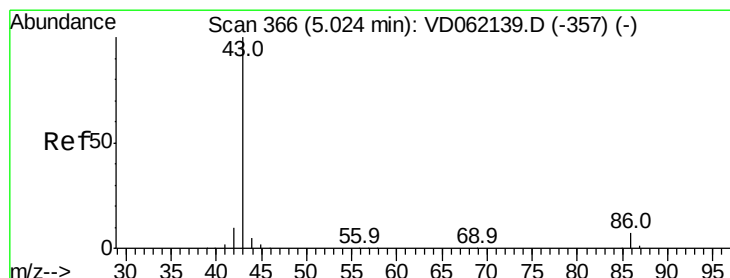
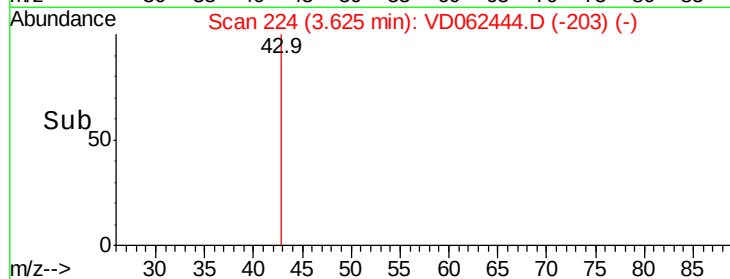
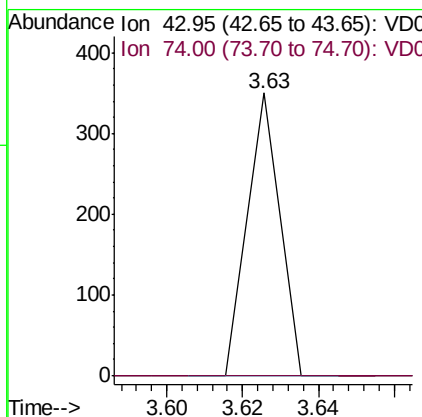
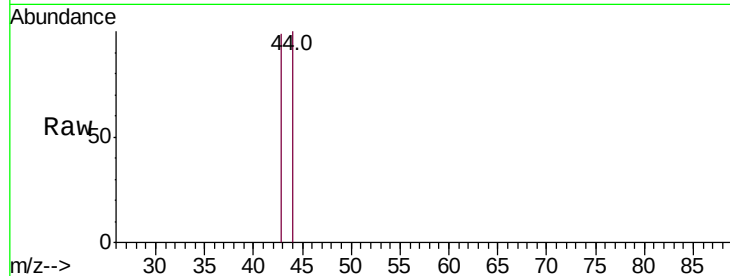




#18
Methvl Acetate
Concen: 2.961 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.01 min
Lab File: VD062444.D
Acq: 17 May 2019 17:36

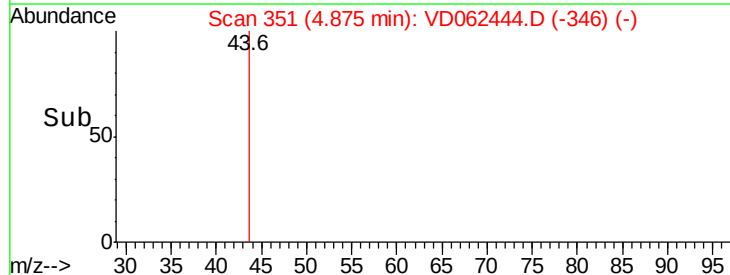
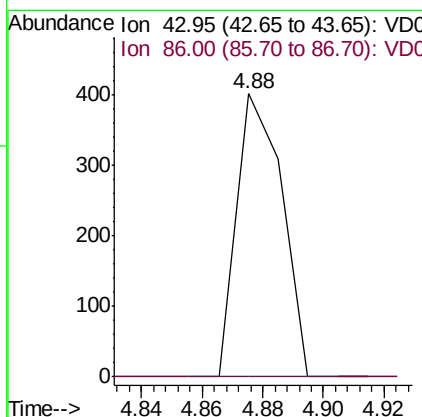
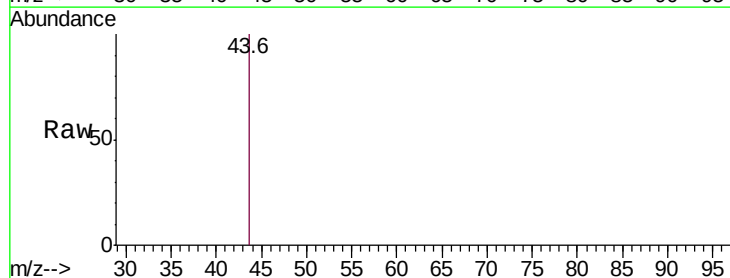
Instrument :
MSVOA_D
ClientSampleId :
TP-18-S2

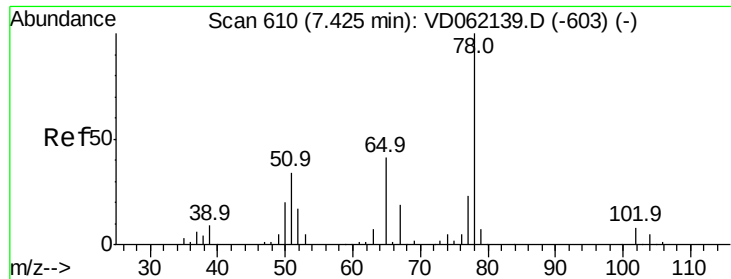
Tot Ion: 43 Resp: 207
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#23
Vinyl Acetate
Concen: 1.845 ug/l
RT: 4.88 min Scan# 351
Delta R.T. -0.15 min
Lab File: VD062444.D
Acq: 17 May 2019 17:36

Tgt Ion: 43 Resp: 420
Ion Ratio Lower Upper
43 100
86 0.0 6.4 9.6#





#33

1,2-Dichloroethane-d4

Concen: 69.069 ug/l

RT: 7.44 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD062444.D

Acq: 17 May 2019 17:36

Instrument :

MSVOA_D

ClientSampleId :

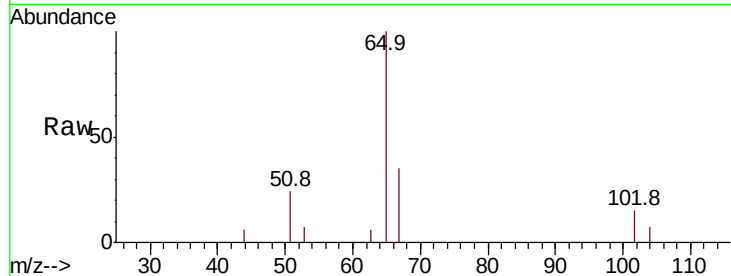
TP-18-S2

Tot Ion: 65 Resp: 11741

Ion Ratio Lower Upper

65 100

67 34.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

6000

5000

4000

3000

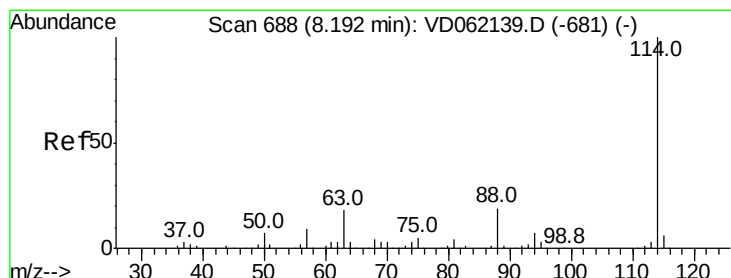
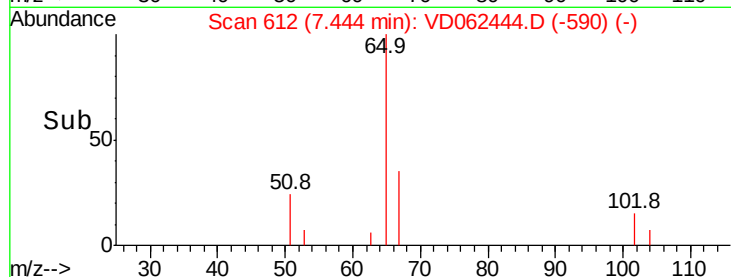
2000

1000

0

Time-->

7.35 7.40 7.45 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD062444.D

Acq: 17 May 2019 17:36

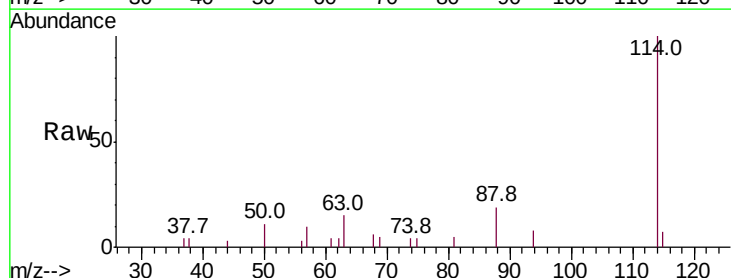
Tgt Ion:114 Resp: 26943

Ion Ratio Lower Upper

114 100

63 15.3 0.0 32.4

88 19.4 0.0 33.6



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

15000

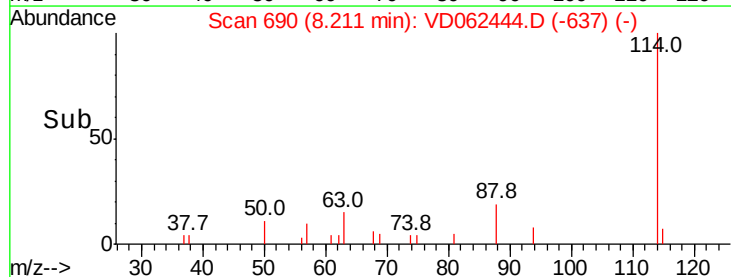
10000

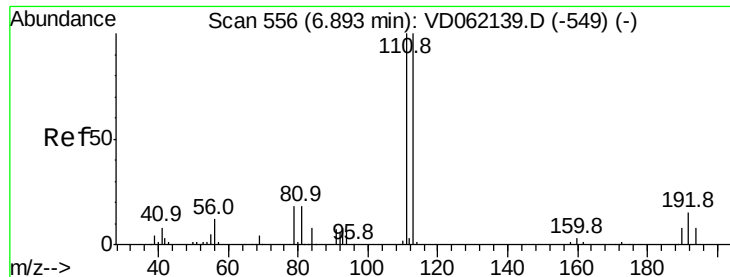
5000

0

Time-->

8.10 8.15 8.20 8.25 8.30





#35

Dibromofluoromethane

Concen: 48.687 ug/l

RT: 6.91 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD062444.D

Acq: 17 May 2019 17:36

Instrument :

MSVOA_D

ClientSampleId :

TP-18-S2

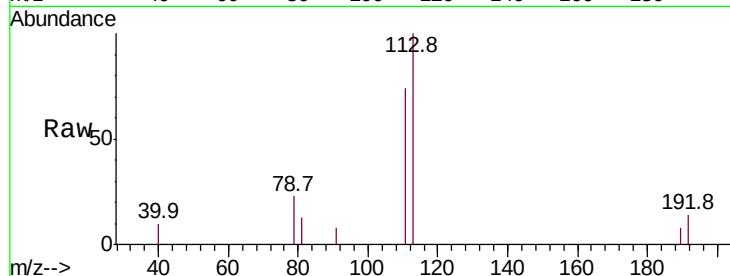
Tot Ion:113 Resp: 10884

Ion Ratio Lower Upper

113 100

111 74.0 78.5 117.7#

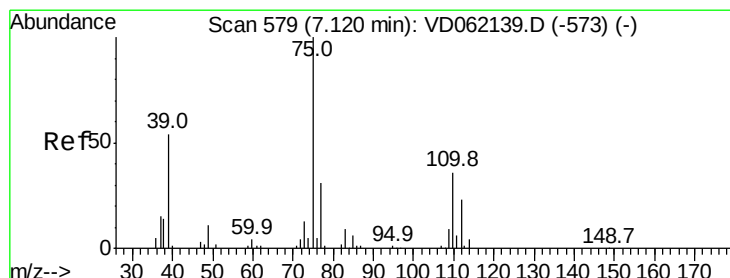
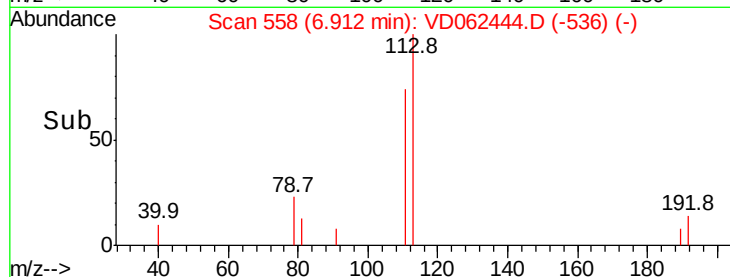
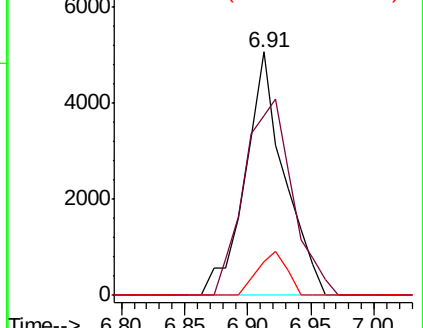
192 13.9 13.0 19.4



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



#36

1,1-Dichloropropene

Concen: 4.527 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062444.D

Acq: 17 May 2019 17:36

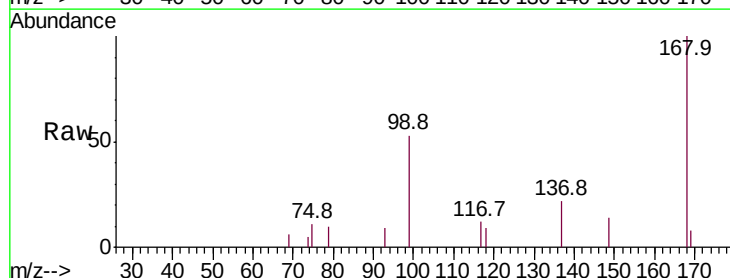
Tgt Ion: 75 Resp: 1000

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

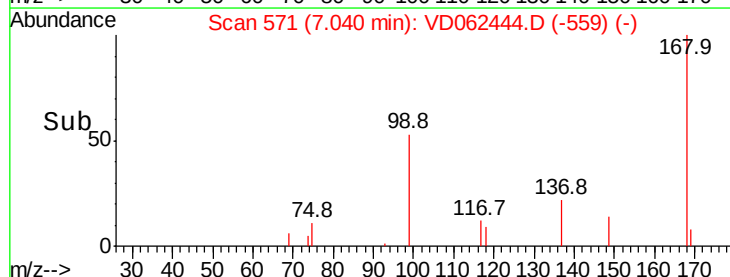
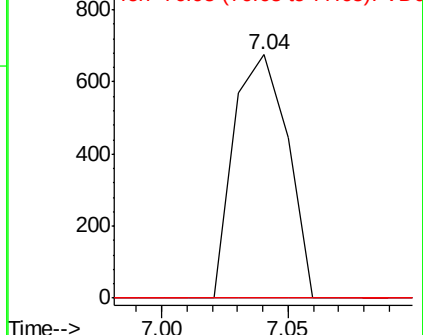
77 0.0 25.6 38.4#

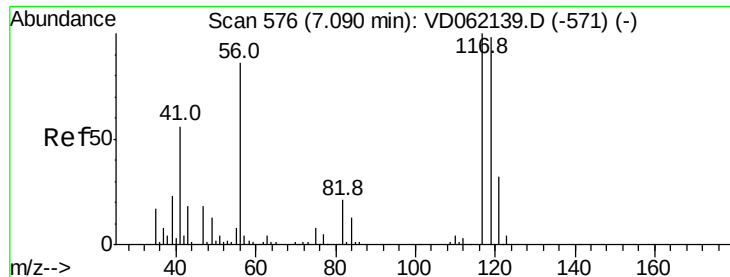


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

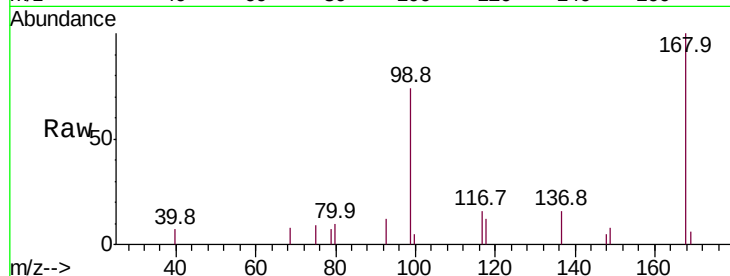




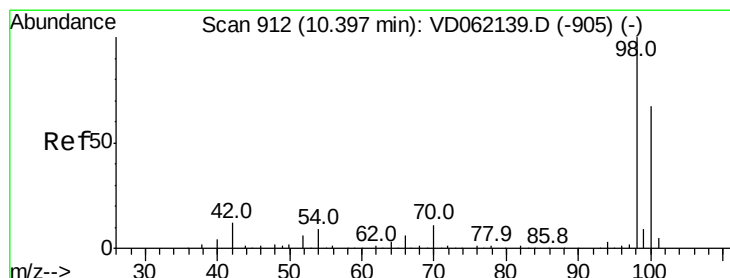
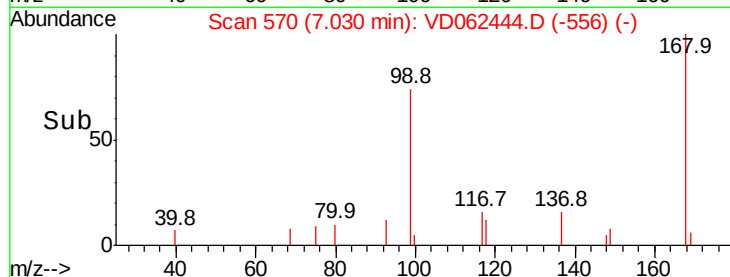
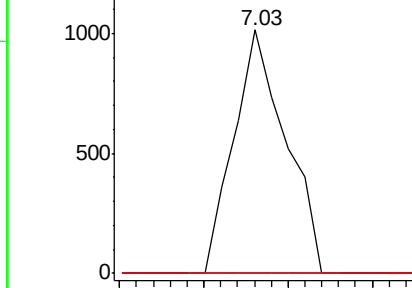
#38
Carbon Tetrachloride
Concen: 7.064 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD062444.D
Acq: 17 May 2019 17:36

Instrument :
MSVOA_D
ClientSampleId :
TP-18-S2

Tot Ion:117 Resp: 2160
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.9 38.9#

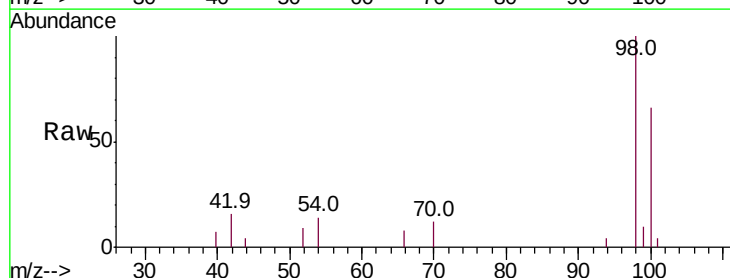


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

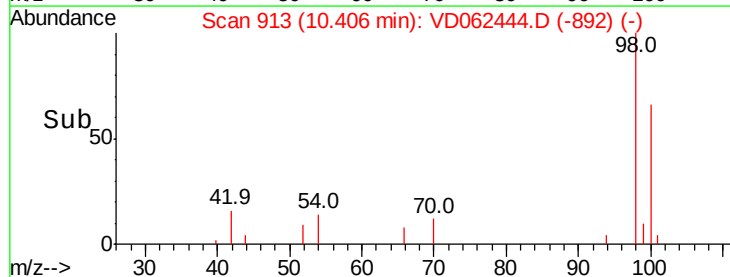
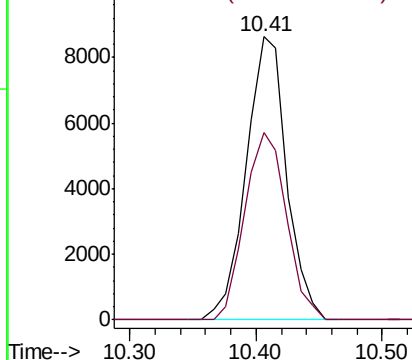


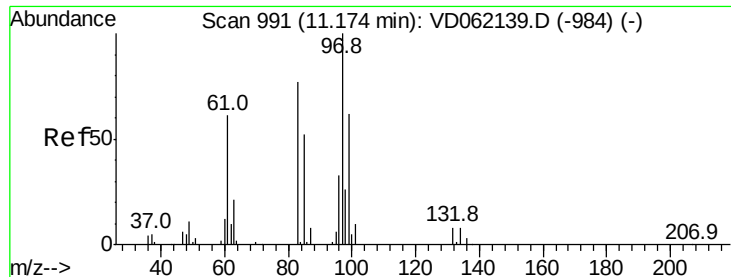
#50
Toluene-d8
Concen: 35.674 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062444.D
Acq: 17 May 2019 17:36

Tgt Ion: 98 Resp: 19228
Ion Ratio Lower Upper
98 100
100 66.0 53.8 80.8



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





#55

1,1,2-Trichloroethane

Concen: 1.698 ug/l

RT: 11.23 min Scan# 997

Delta R.T. 0.06 min

Lab File: VD062444.D

Acq: 17 May 2019 17:36

Instrument :

MSVOA_D

ClientSampleId :

TP-18-S2

Tot Ion: 97 Resp: 195

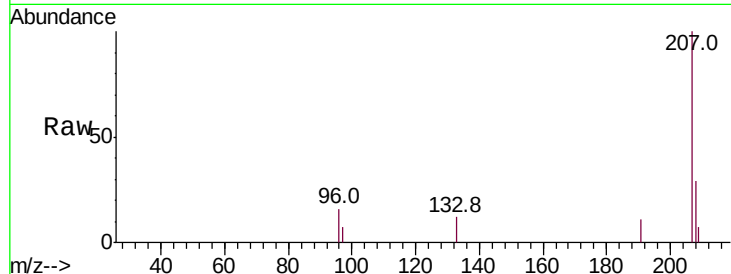
Ion Ratio Lower Upper

97 100

83 0.0 65.7 98.5#

85 0.0 45.6 68.4#

99 0.0 48.4 72.6#

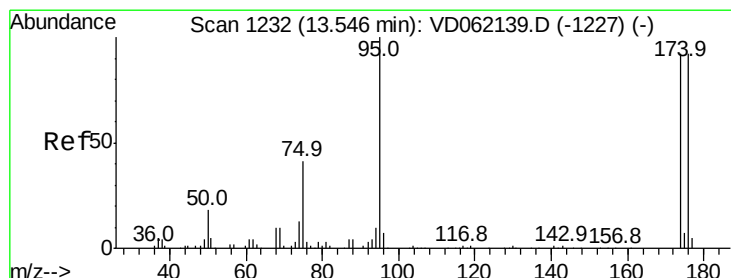
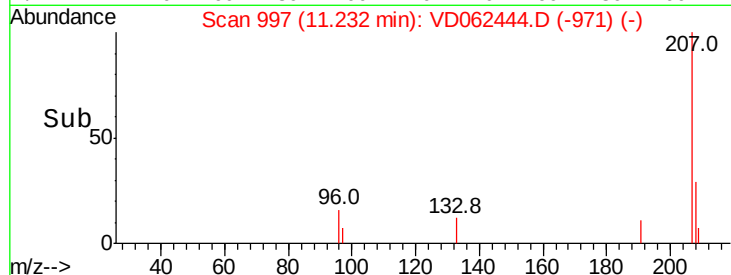
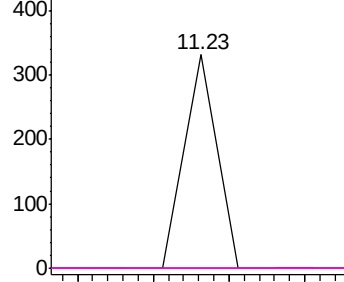


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#62

4-Bromofluorobenzene

Concen: 34.134 ug/l

RT: 13.55 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062444.D

Acq: 17 May 2019 17:36

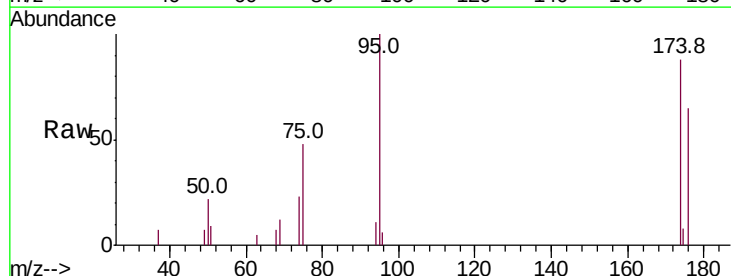
Tgt Ion: 95 Resp: 7388

Ion Ratio Lower Upper

95 100

174 88.2 0.0 181.8

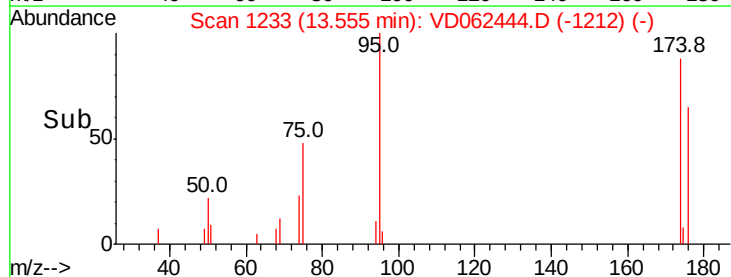
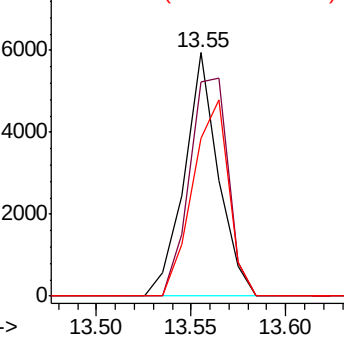
176 65.0 0.0 174.4

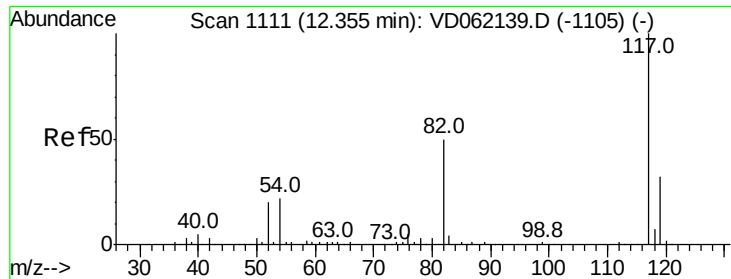


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

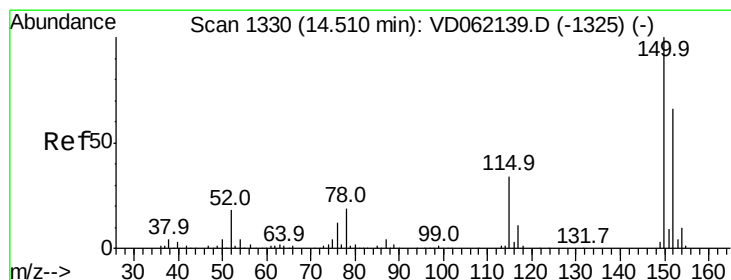
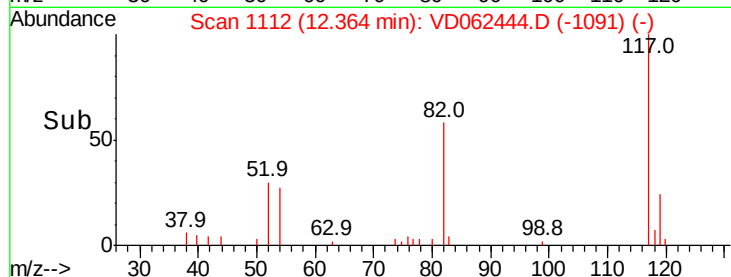
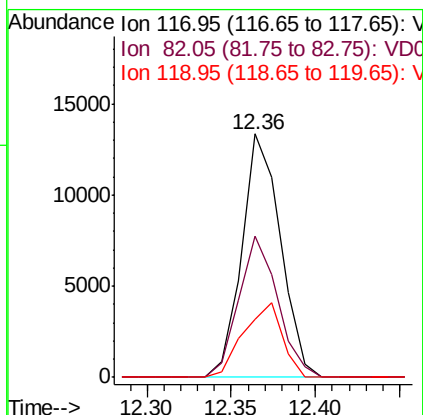
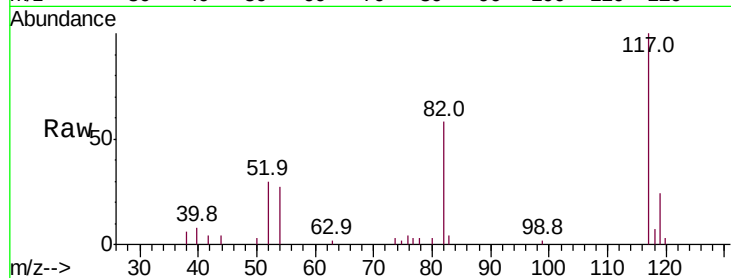




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062444.D
Acq: 17 May 2019 17:36

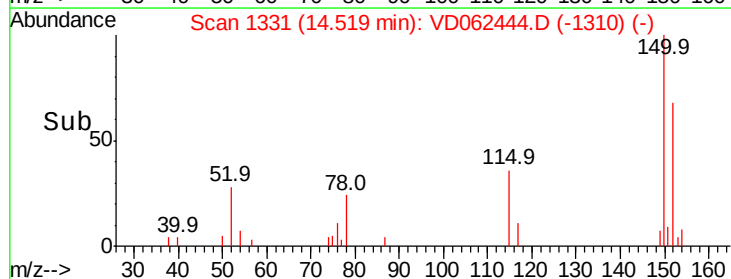
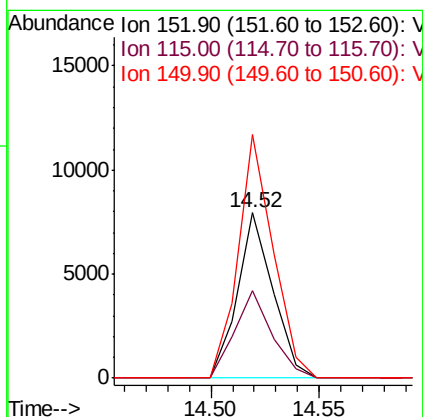
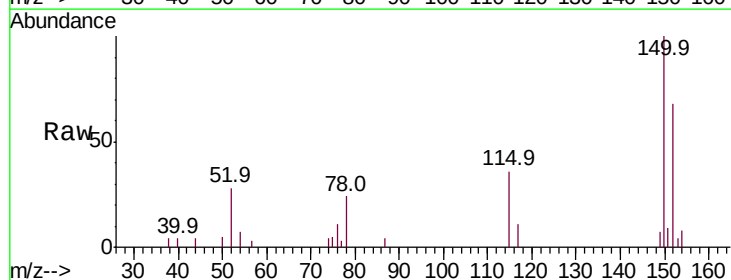
Instrument :
MSVOA_D
ClientSampleId :
TP-18-S2

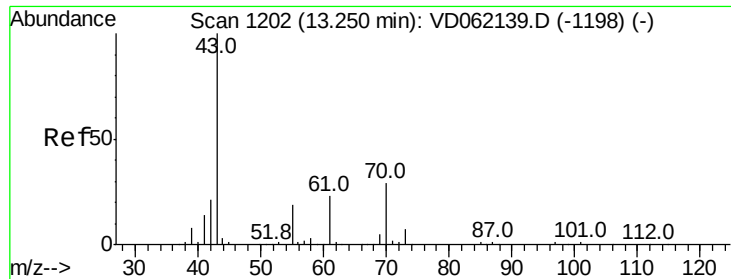
Tot Ion:117 Resp: 21172
Ion Ratio Lower Upper
117 100
82 61.5 36.2 54.2#
119 23.8 26.2 39.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062444.D
Acq: 17 May 2019 17:36

Tgt Ion:152 Resp: 9058
Ion Ratio Lower Upper
152 100
115 52.8 30.9 92.7
150 147.1 0.0 314.8





#74

N-amvl acetate

Concen: 1.602 ug/l

RT: 12.90 min Scan# 1166

Delta R.T. -0.35 min

Lab File: VD062444.D

Acq: 17 May 2019 17:36

Instrument :

MSVOA_D

ClientSampleId :

TP-18-S2

Tot Ion: 43 Resp: 228

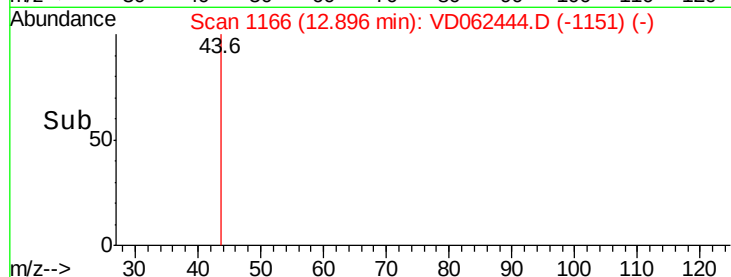
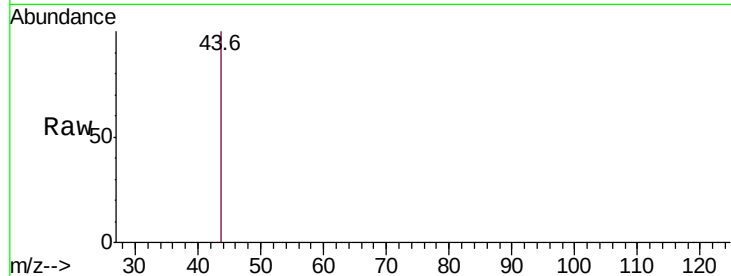
Ion Ratio Lower Upper

43 100

70 0.0 24.2 36.4#

55 0.0 16.0 24.0#

61 0.0 21.6 32.4#

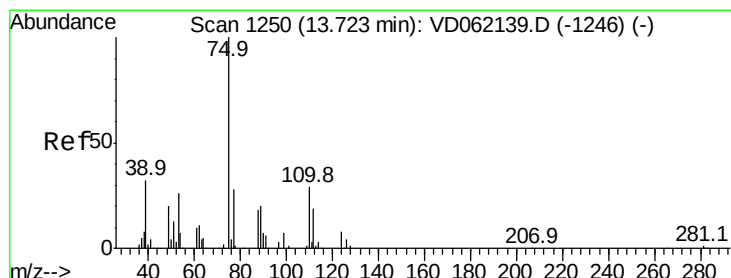
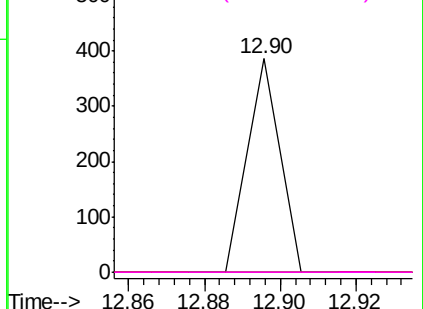


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#76

1,2,3-Trichloropropane

Concen: 24.933 ug/l

RT: 13.55 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062444.D

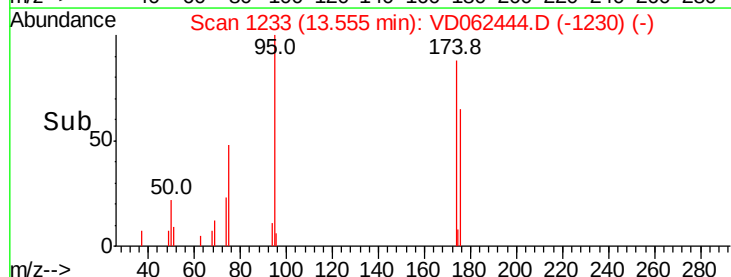
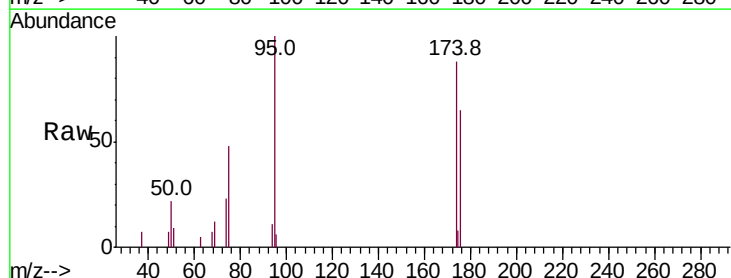
Acq: 17 May 2019 17:36

Tgt Ion: 75 Resp: 2684

Ion Ratio Lower Upper

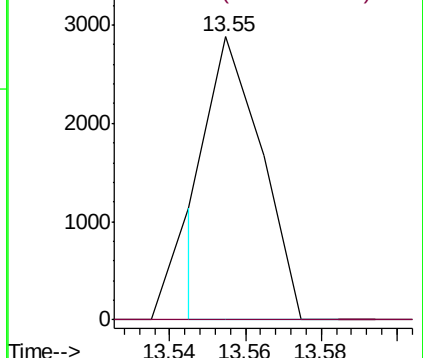
75 100

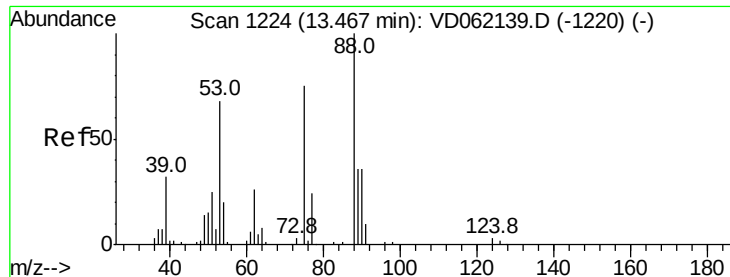
77 0.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 110.466 ug/l

RT: 13.55 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062444.D

Acq: 17 May 2019 17:36

Instrument :

MSVOA_D

ClientSampleId :

TP-18-S2

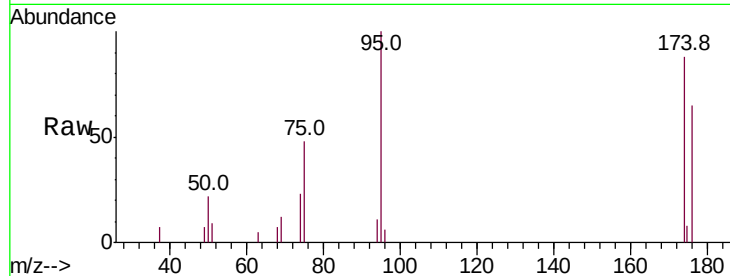
Tot Ion: 75 Resp: 3357

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

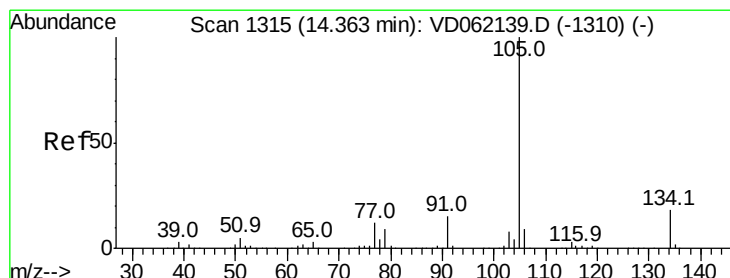
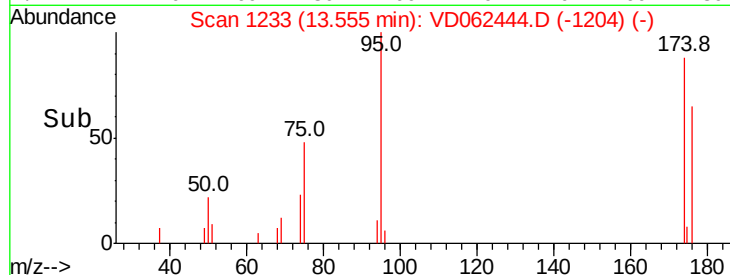
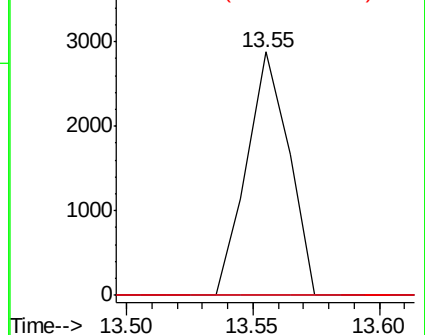
89 0.0 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#85

sec-Butylbenzene

Concen: 1.214 ug/l

RT: 14.36 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062444.D

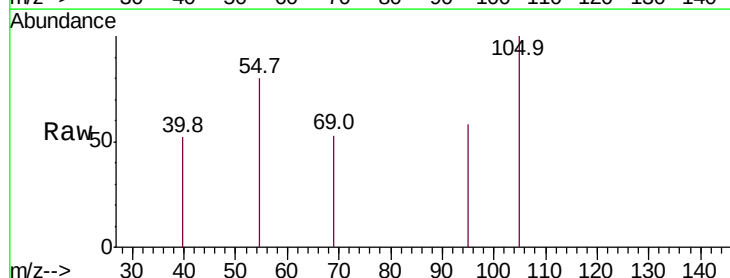
Acq: 17 May 2019 17:36

Tgt Ion:105 Resp: 684

Ion Ratio Lower Upper

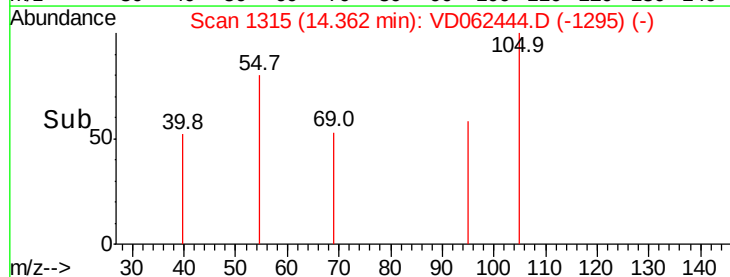
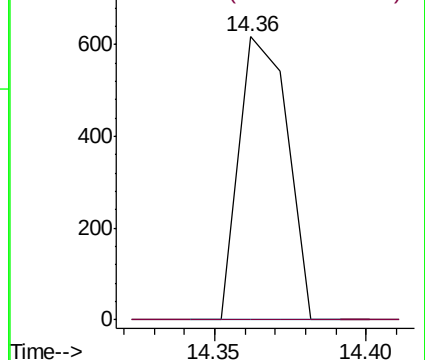
105 100

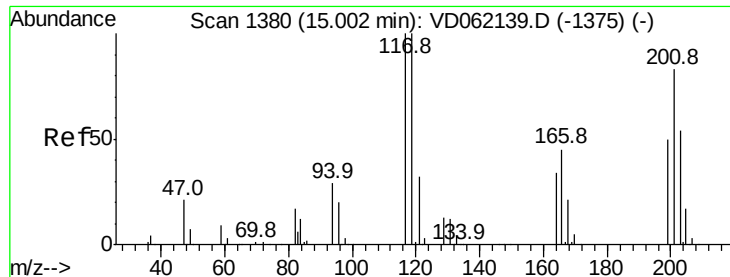
134 0.0 8.9 26.7#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V





#90

Hexachloroethane

Concen: 3.806 ug/l

RT: 15.09 min Scan# 1389

Delta R.T. 0.09 min

Lab File: VD062444.D

Acq: 17 May 2019 17:36

Instrument :

MSVOA_D

ClientSampleId :

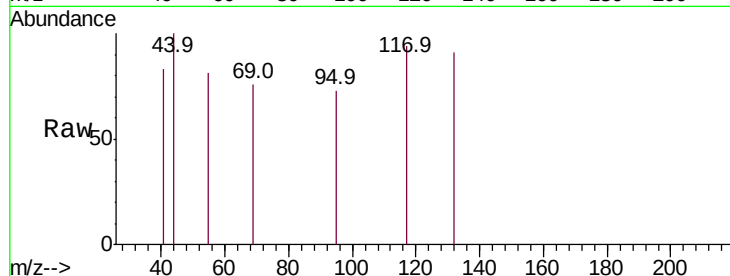
TP-18-S2

Tot Ion:117 Resp: 521

Ion Ratio Lower Upper

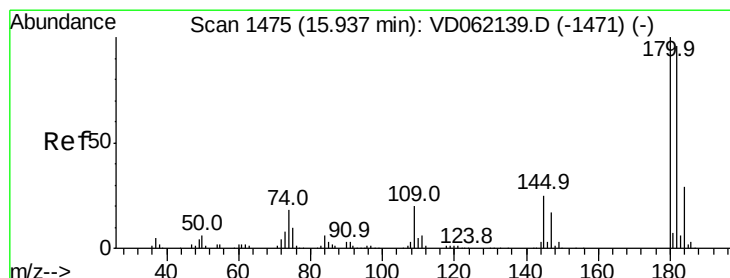
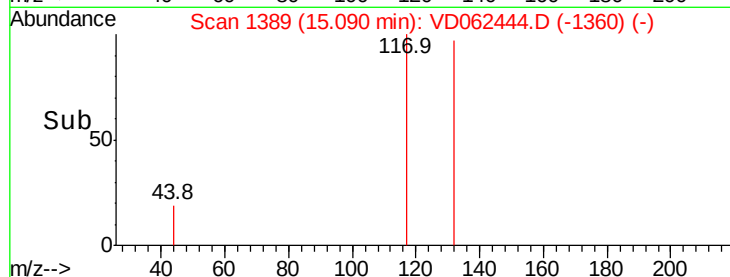
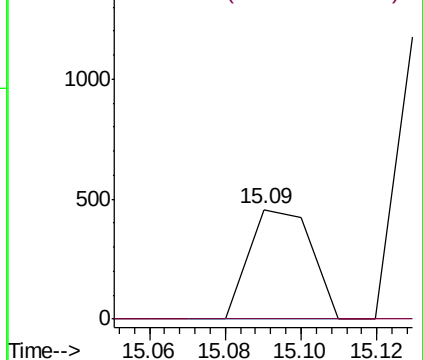
117 100

201 0.0 30.2 90.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#93

1,2,4-Trichlorobenzene

Concen: 1.532 ug/l

RT: 15.95 min Scan# 1476

Delta R.T. 0.01 min

Lab File: VD062444.D

Acq: 17 May 2019 17:36

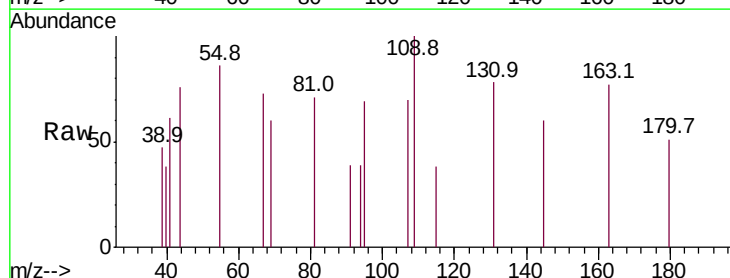
Tgt Ion:180 Resp: 255

Ion Ratio Lower Upper

180 100

182 0.0 49.3 147.8#

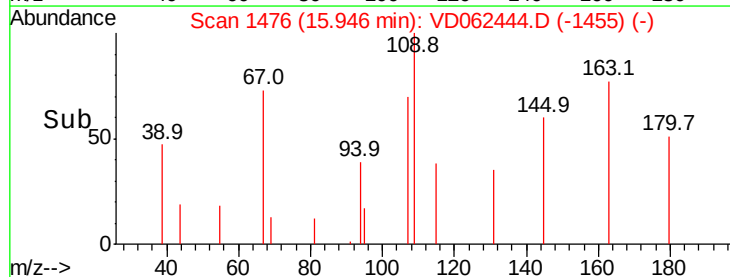
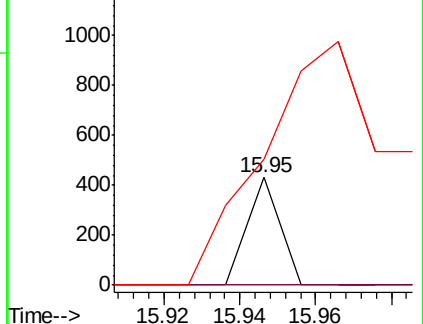
145 116.5 16.2 48.6#

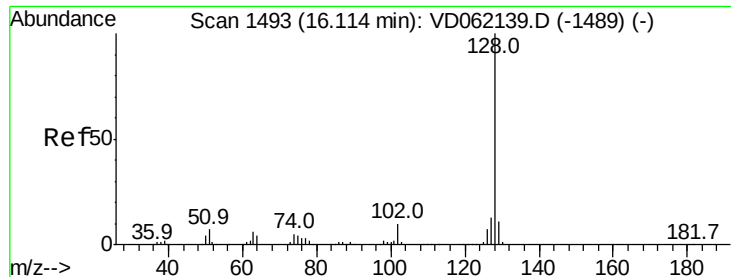


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95

Naphthalene

Concen: 7.613 ug/l

RT: 16.13 min Scan# 1495

Delta R.T. 0.02 min

Lab File: VD062444.D

Acq: 17 May 2019 17:36

Instrument :

MSVOA_D

ClientSampleId :

TP-18-S2

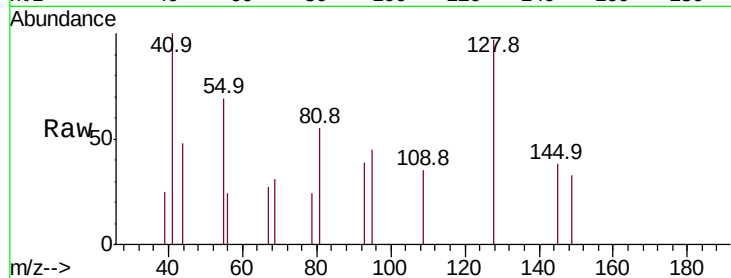
Tot Ion:128 Resp: 1769

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 8.8 13.2#



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

