

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121918\
 Data File : VD060642.D
 Acq On : 19 Dec 2018 16:04
 Operator : VA/AP
 Sample : J6199-11
 Misc : 17.66G/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 00:31:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	18049	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.44	114	27728	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	25665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	12341	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	10924	85.39	ug/l	-0.02
Spiked Amount 50.000			Recovery =	170.78%		
35) Dibromofluoromethane	6.31	113	11394	55.94	ug/l	-0.02
Spiked Amount 50.000			Recovery =	111.88%		
50) Toluene-d8	9.44	98	21178	35.93	ug/l	-0.02
Spiked Amount 50.000			Recovery =	71.86%		
62) 4-Bromofluorobenzene	12.42	95	7689	36.46	ug/l	-0.02
Spiked Amount 50.000			Recovery =	72.92%		

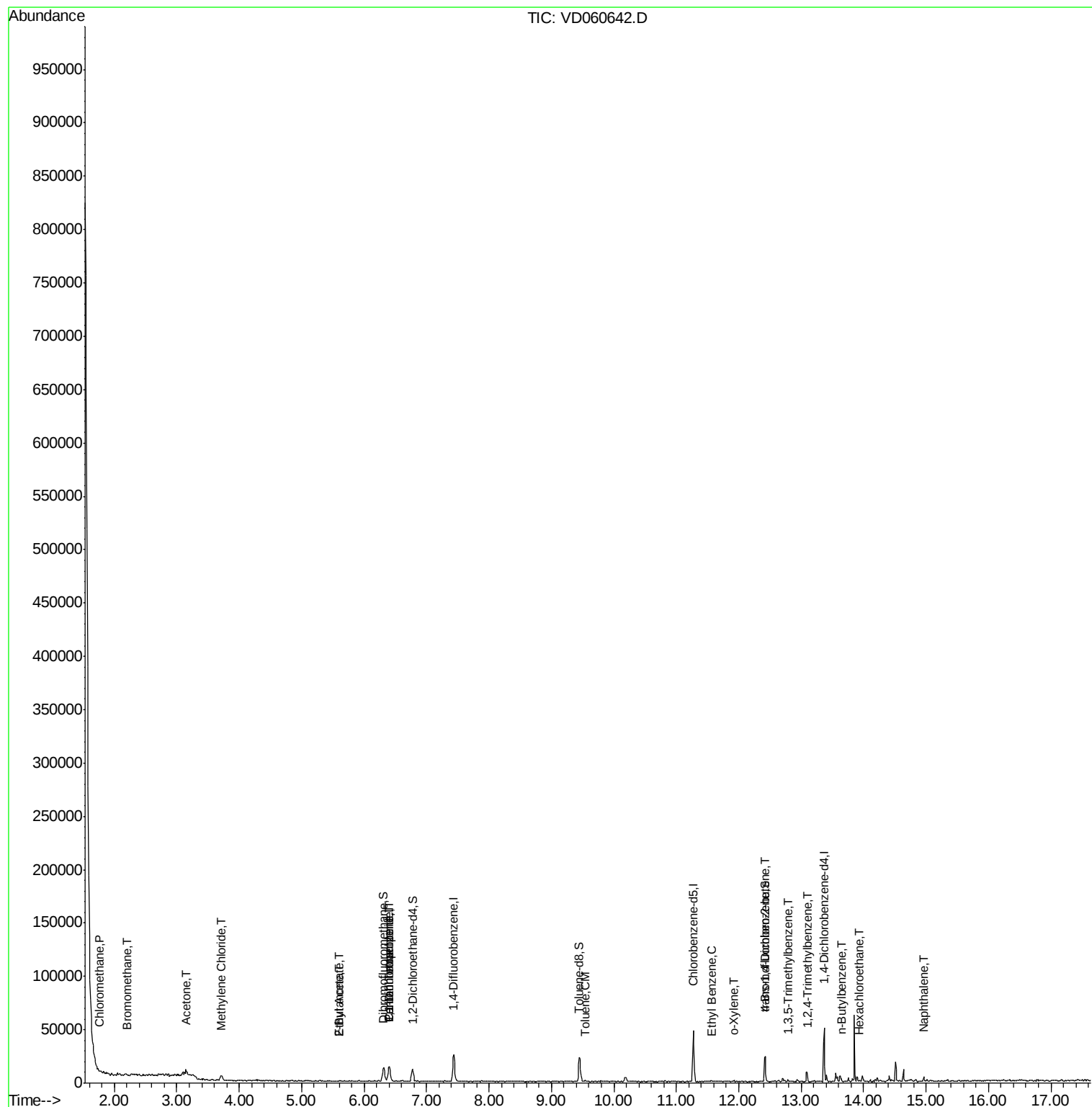
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.77	50	216	1.165	ug/l #	43
5) Bromomethane	2.21	94	1762	47.588	ug/l #	4
16) Acetone	3.15	43	8198	399.781	ug/l	96
20) Methylene Chloride	3.72	84	3033	12.779	ug/l #	80
25) 2-Butanone	5.61	43	481	11.922	ug/l #	59
36) 1,1-Dichloropropene	6.40	75	916	3.380	ug/l #	41
37) Ethyl Acetate	5.61	43	481	4.092	ug/l #	68
38) Carbon Tetrachloride	6.39	117	932	3.830	ug/l #	12
52) Toluene	9.54	92	556	1.284	ug/l #	62
67) Ethyl Benzene	11.56	91	1368	1.477	ug/l #	53
69) o-Xylene	11.92	106	404	1.237	ug/l	75
80) 1,3,5-Trimethylbenzene	12.79	105	1546	2.317	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.42	75	3313	84.950	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.10	105	5796	8.388	ug/l	88
89) n-Butylbenzene	13.65	91	1895	2.011	ug/l	86
90) Hexachloroethane	13.93	117	667	3.599	ug/l #	8
95) Naphthalene	14.96	128	3482	11.023	ug/l #	70

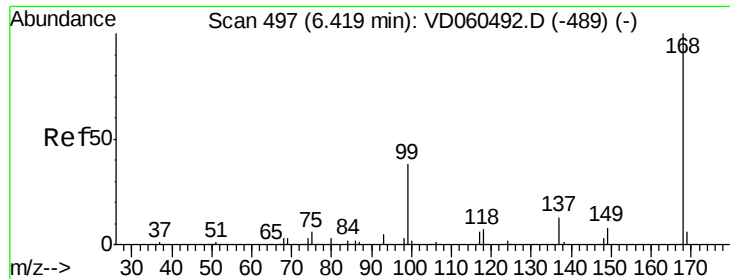
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121918\
Data File : VD060642.D
Acq On : 19 Dec 2018 16:04
Operator : VA/AP
Sample : J6199-11
Misc : 17.66G/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 20 00:31:12 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060642.D

Acq: 19 Dec 2018 16:04

Instrument :

MSVOA_D

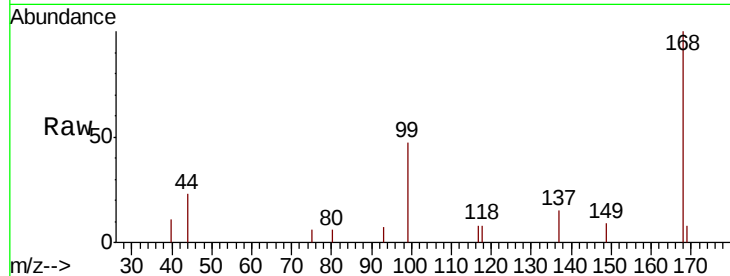
ClientSampleId :

Tot Ion:168 Resp: 18049

Ion Ratio Lower Upper

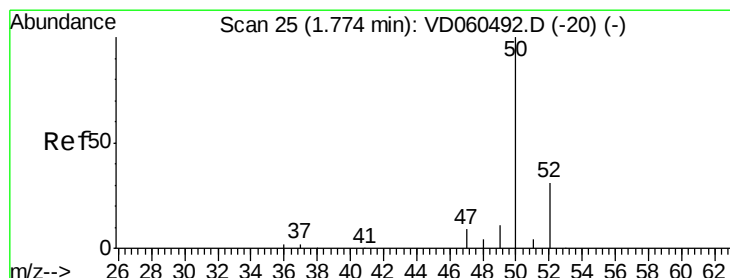
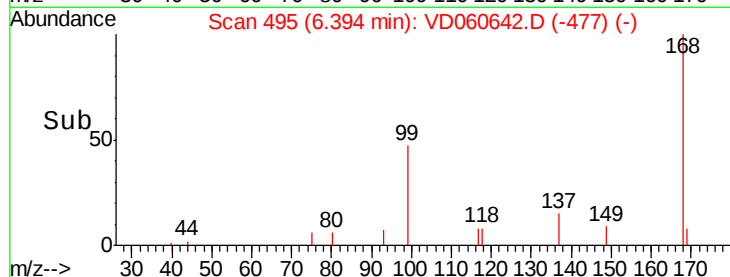
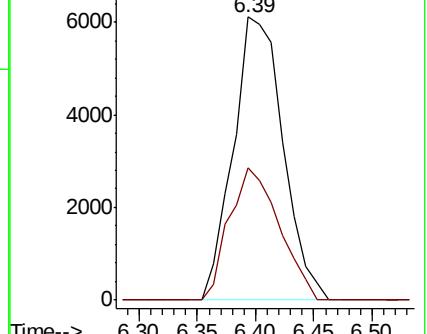
168 100

99 46.6 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 1.165 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.01 min

Lab File: VD060642.D

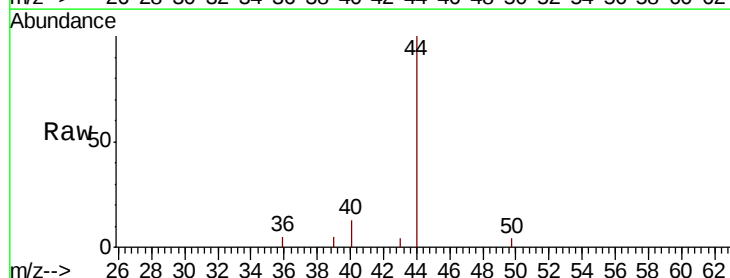
Acq: 19 Dec 2018 16:04

Tgt Ion: 50 Resp: 216

Ion Ratio Lower Upper

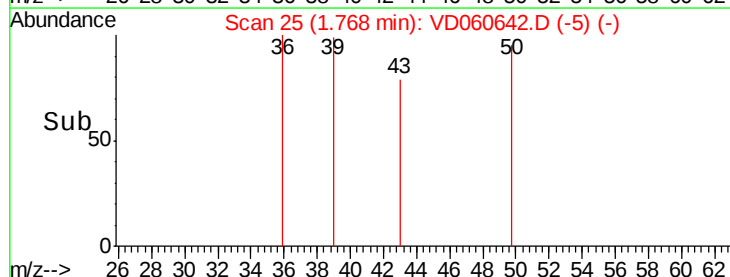
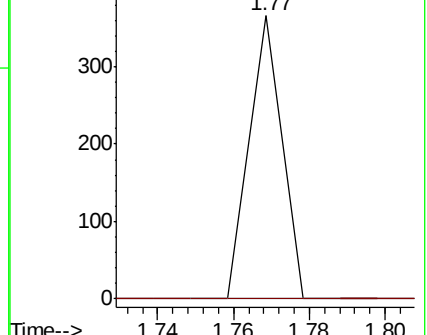
50 100

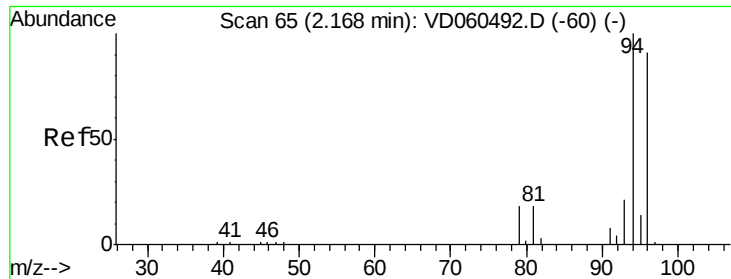
52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

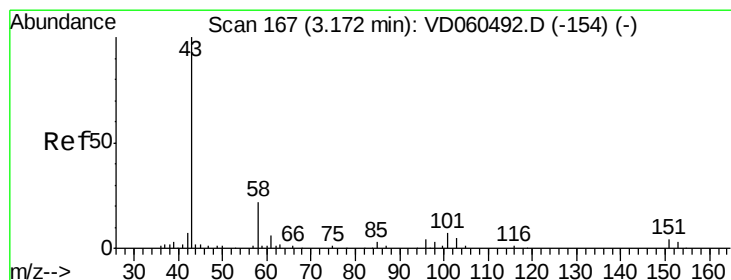
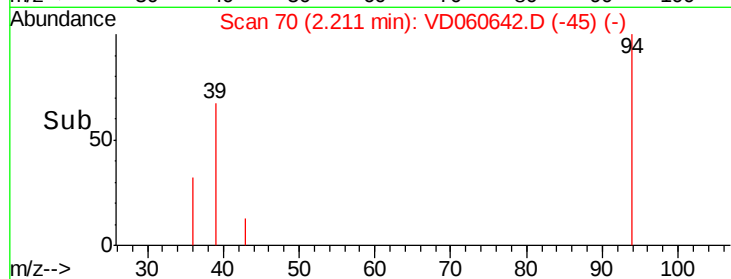
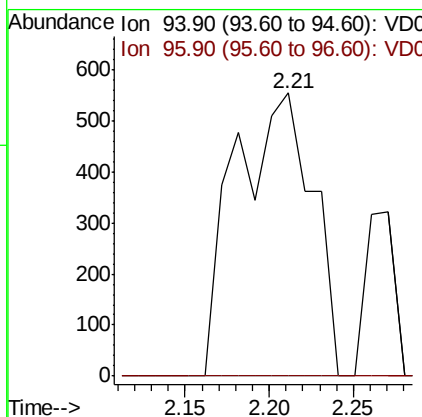
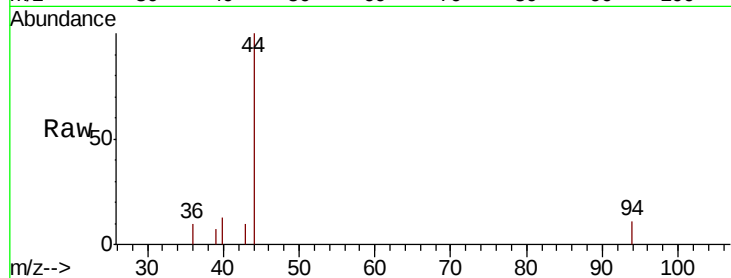




#5
Bromomethane
Concen: 47.588 ug/l
RT: 2.21 min Scan# 70
Delta R.T. 0.04 min
Lab File: VD060642.D
Acq: 19 Dec 2018 16:04

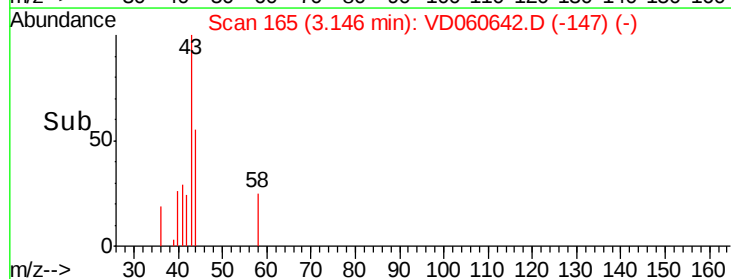
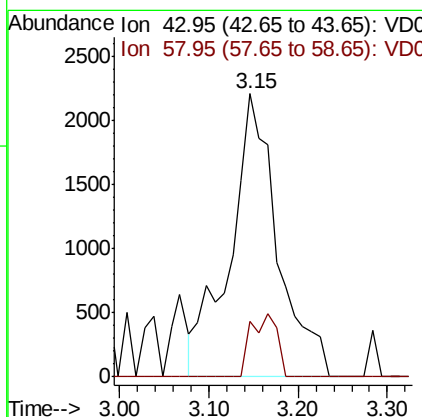
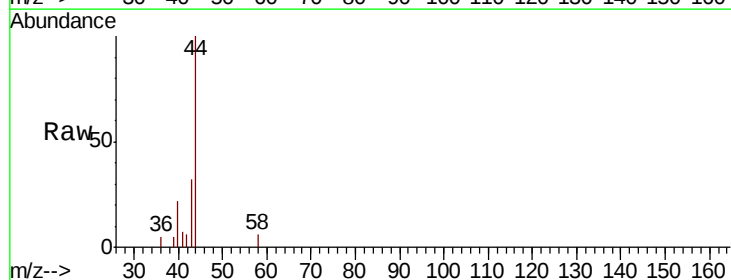
Instrument :
MSVOA_D
ClientSampled :

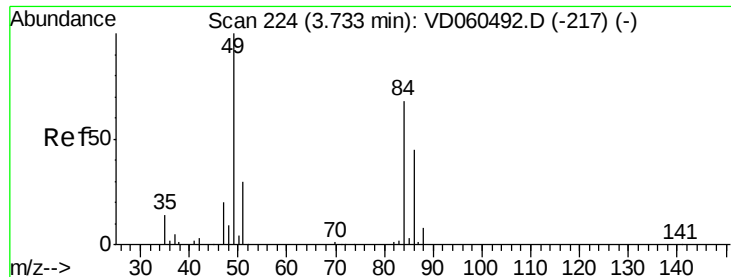
Tot Ion: 94 Resp: 1762
Ion Ratio Lower Upper
94 100
96 0.0 72.6 108.8#



#16
Acetone
Concen: 399.781 ug/l
RT: 3.15 min Scan# 165
Delta R.T. -0.03 min
Lab File: VD060642.D
Acq: 19 Dec 2018 16:04

Tgt Ion: 43 Resp: 8198
Ion Ratio Lower Upper
43 100
58 19.8 17.3 25.9

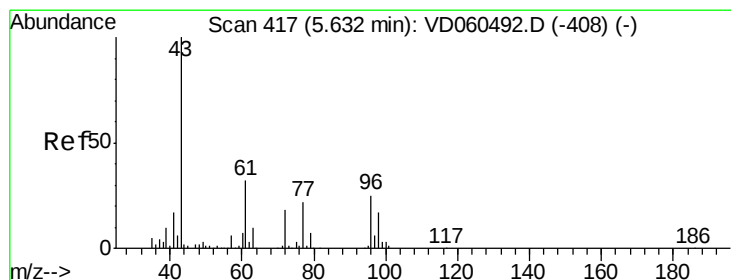
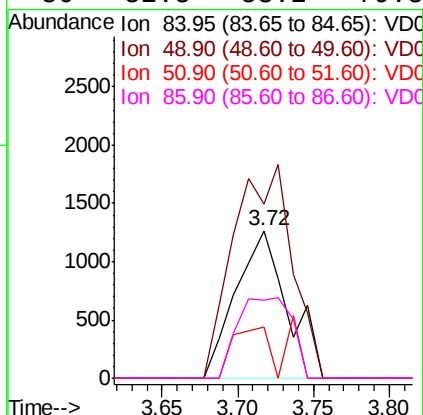
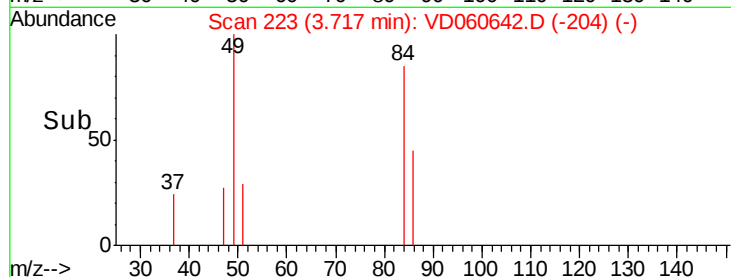
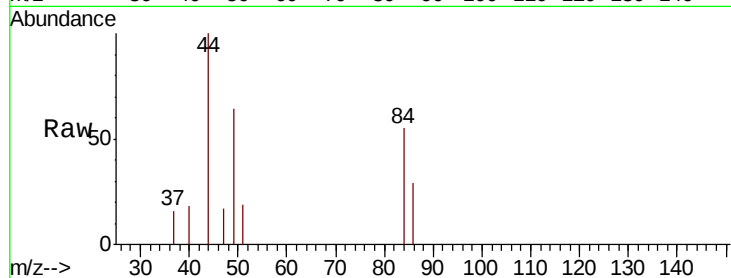




#20
Methvlene Chloride
Concen: 12.779 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD060642.D
Acq: 19 Dec 2018 16:04

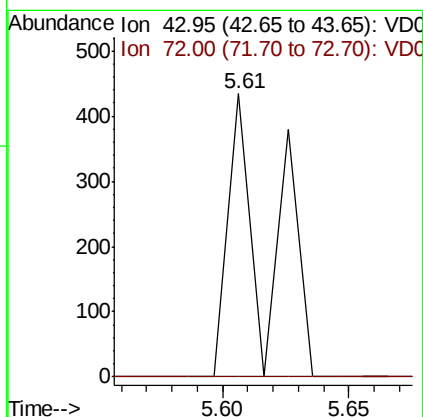
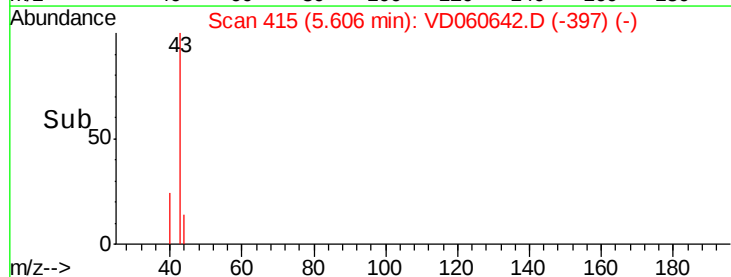
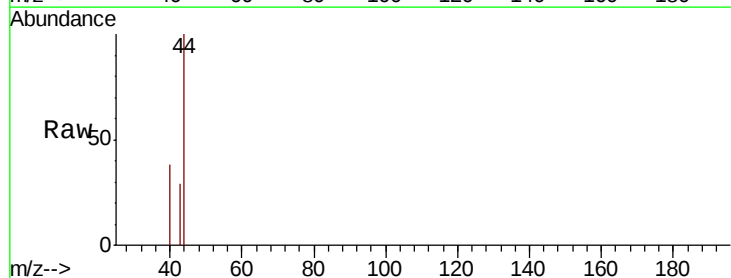
Instrument :
MSVOA_D
ClientSampleId :

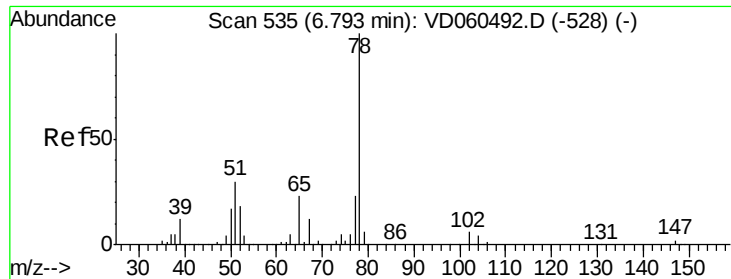
Tot Ion: 84 Resp: 3033
Ion Ratio Lower Upper
84 100
49 117.8 117.2 175.8
51 34.4 35.3 52.9#
86 52.8 53.2 79.8#



#25
2-Butanone
Concen: 11.922 ug/l
RT: 5.61 min Scan# 415
Delta R.T. -0.03 min
Lab File: VD060642.D
Acq: 19 Dec 2018 16:04

Tgt Ion: 43 Resp: 481
Ion Ratio Lower Upper
43 100
72 0.0 14.6 21.8#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060642.D

Acq: 19 Dec 2018 16:04

Instrument :

MSVOA_D

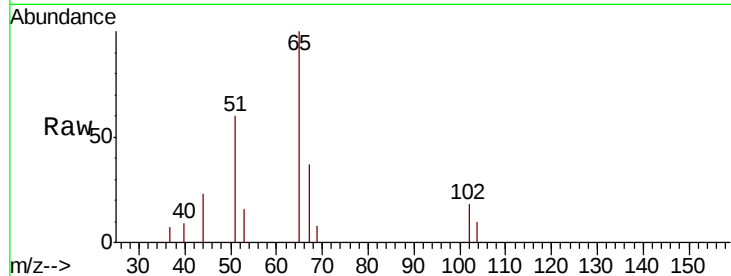
ClientSampled :

Tot Ion: 65 Resp: 10924

Ion Ratio Lower Upper

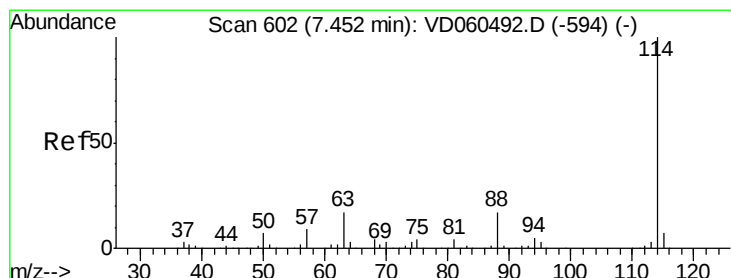
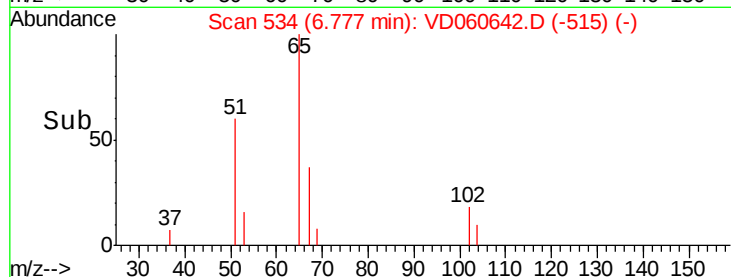
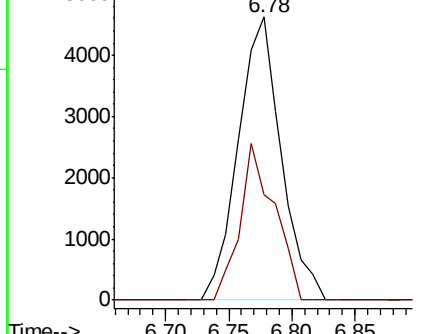
65 100

67 37.2 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD060642.D

Acq: 19 Dec 2018 16:04

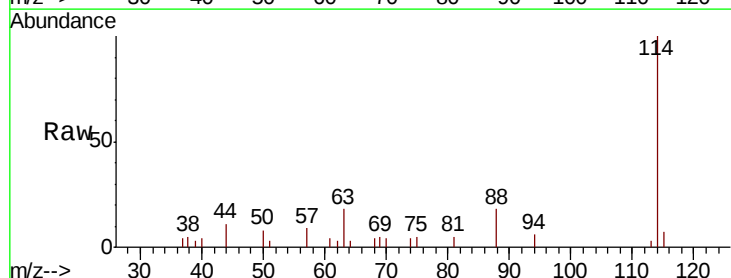
Tgt Ion: 114 Resp: 27728

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.2

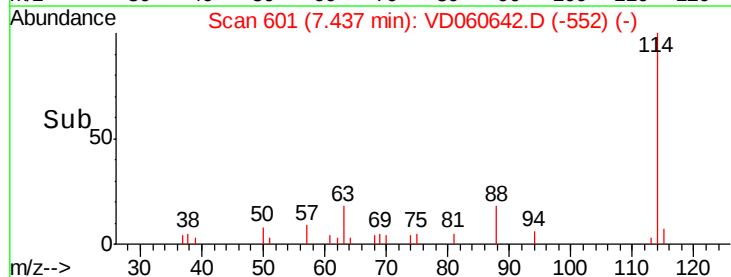
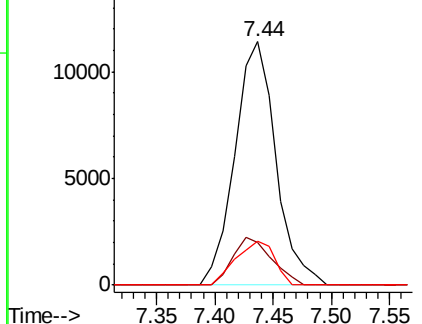
88 17.9 0.0 35.0

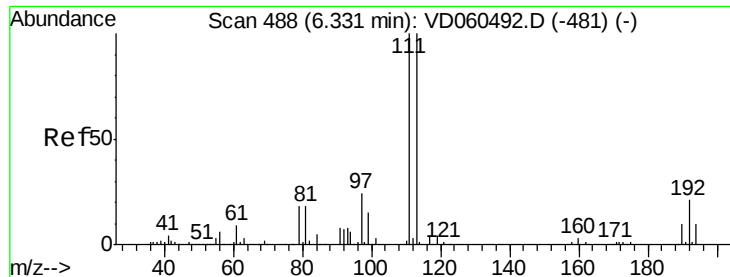


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 487

Delta R.T. -0.02 min

Lab File: VD060642.D

Acq: 19 Dec 2018 16:04

Instrument :
MSVOA_D
ClientSampled :

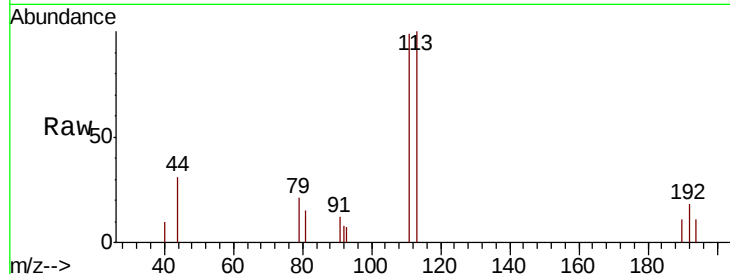
Tot Ion:113 Resp: 11394

Ion Ratio Lower Upper

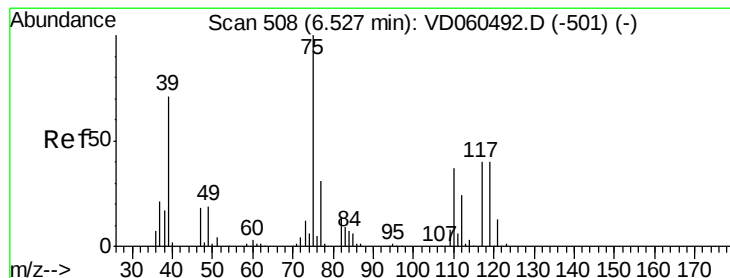
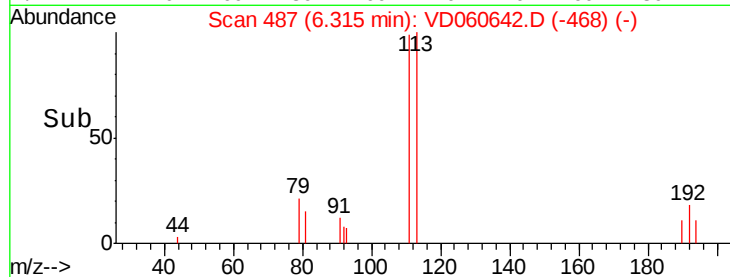
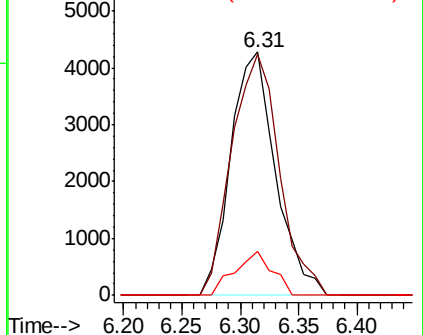
113 100

111 99.0 80.2 120.4

192 18.0 16.6 24.8



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: 3.380 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.12 min

Lab File: VD060642.D

Acq: 19 Dec 2018 16:04

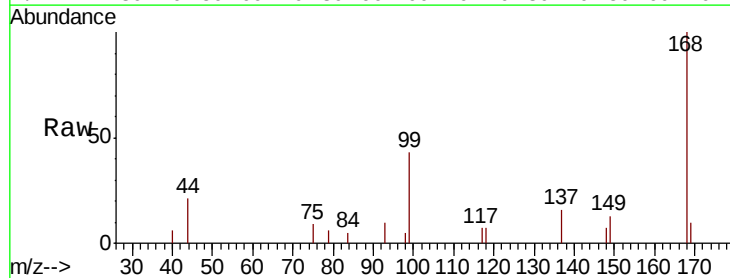
Tgt Ion: 75 Resp: 916

Ion Ratio Lower Upper

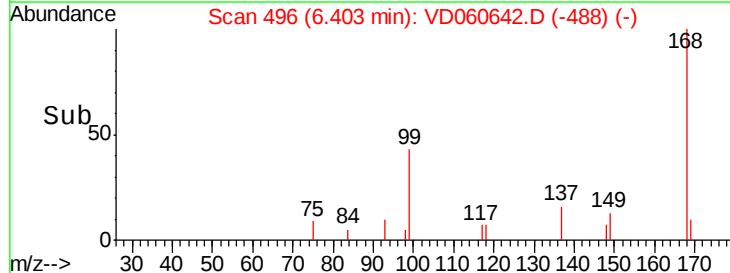
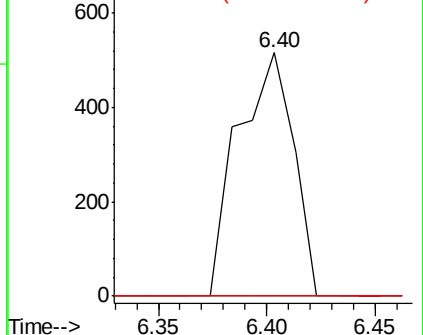
75 100

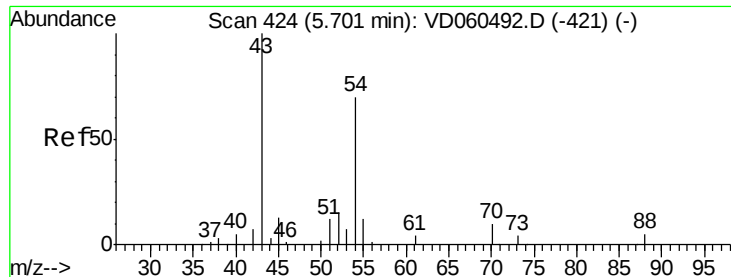
110 0.0 18.3 54.8#

77 0.0 24.6 37.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

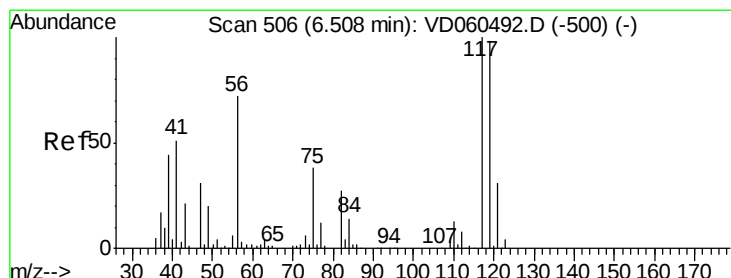
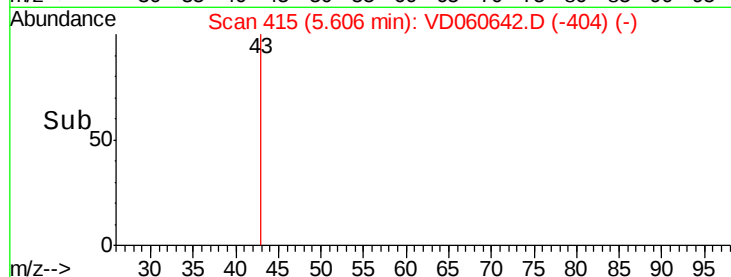
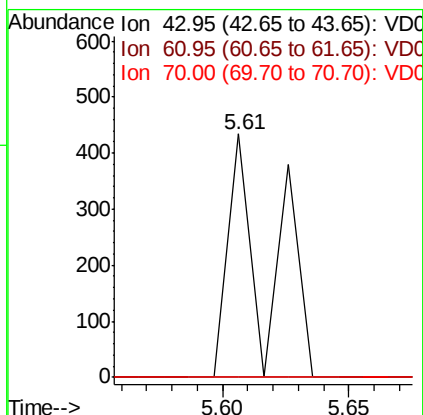
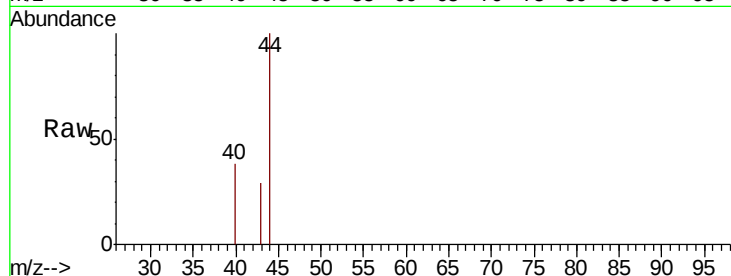




#37
Ethyl Acetate
Concen: 4.092 ug/l
RT: 5.61 min Scan# 415
Delta R.T. -0.09 min
Lab File: VD060642.D
Acq: 19 Dec 2018 16:04

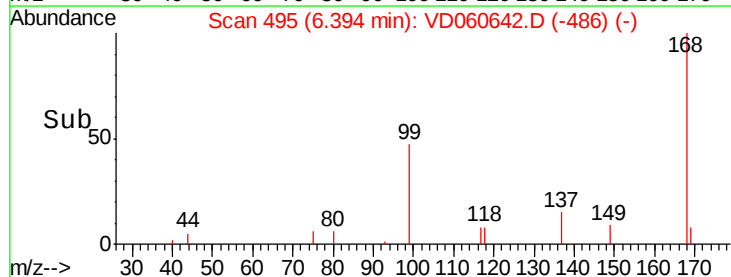
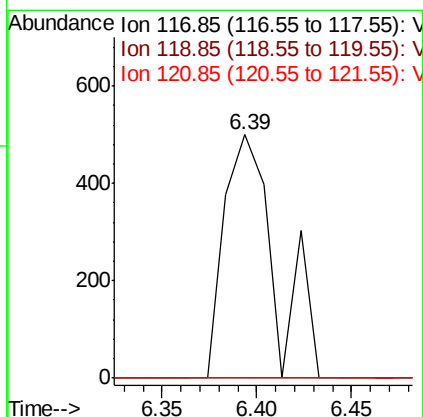
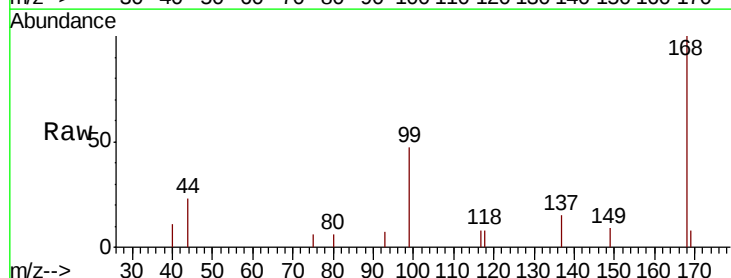
Instrument :
MSVOA_D
ClientSampleId :

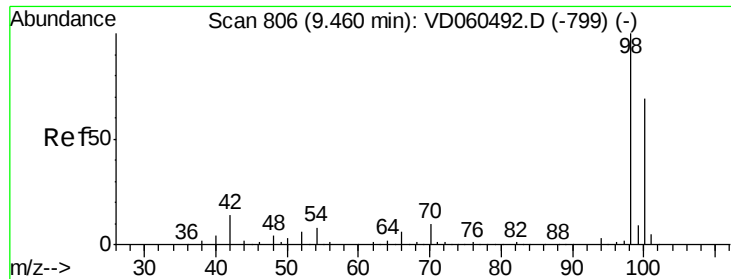
Tot Ion: 43 Resp: 481
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 5.4 8.0#



#38
Carbon Tetrachloride
Concen: 3.830 ug/l
RT: 6.39 min Scan# 495
Delta R.T. -0.11 min
Lab File: VD060642.D
Acq: 19 Dec 2018 16:04

Tgt Ion: 117 Resp: 932
Ion Ratio Lower Upper
117 100
119 0.0 76.8 115.2#
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.44 min Scan# 805

Delta R.T. -0.02 min

Lab File: VD060642.D

Acq: 19 Dec 2018 16:04

Instrument :

MSVOA_D

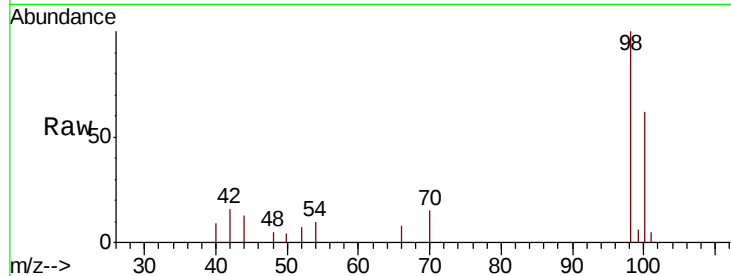
ClientSampled :

Tot Ion: 98 Resp: 21178

Ion Ratio Lower Upper

98 100

100 62.1 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VD060492.D (-799) (-)

Ion 100.05 (99.75 to 100.75): VD060492.D (-799) (-)

9.44

10000

8000

6000

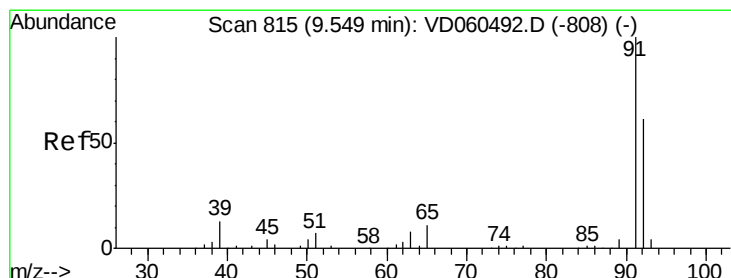
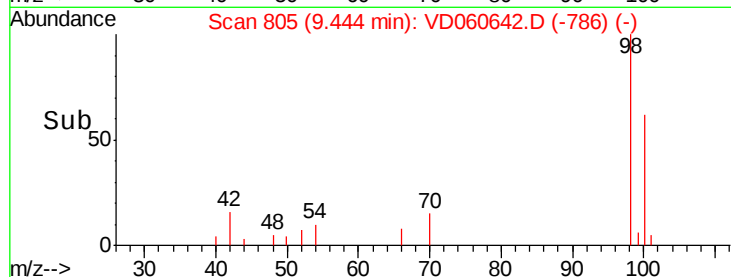
4000

2000

0

Time-->

9.35 9.40 9.45 9.50



#52

Toluene

Concen: 1.284 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.01 min

Lab File: VD060642.D

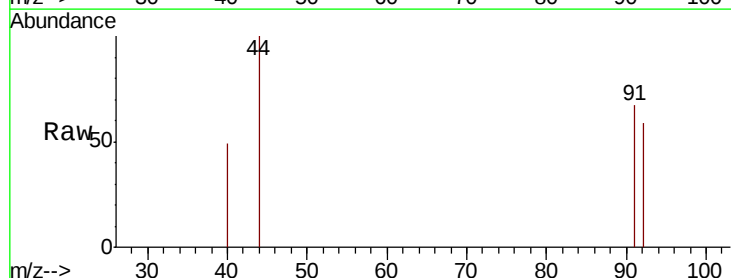
Acq: 19 Dec 2018 16:04

Tgt Ion: 92 Resp: 556

Ion Ratio Lower Upper

92 100

91 113.7 131.7 197.5#



Abundance Ion 92.00 (91.70 to 92.70): VD060492.D (-808) (-)

Ion 91.00 (90.70 to 91.70): VD060492.D (-808) (-)

9.54

800

600

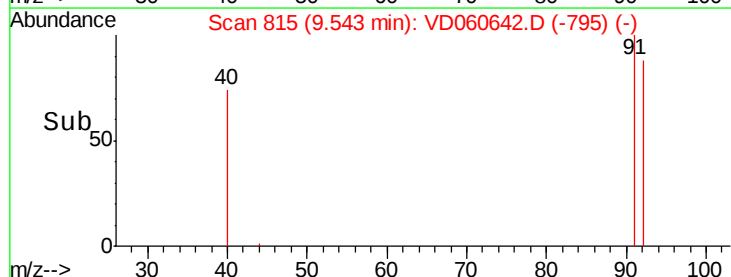
400

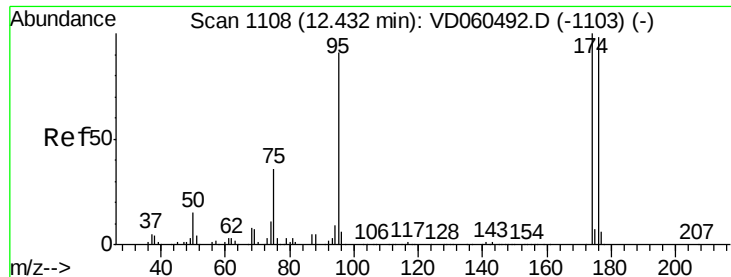
200

0

Time-->

9.50 9.52 9.54 9.56 9.58





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060642.D

Acq: 19 Dec 2018 16:04

Instrument :

MSVOA_D

ClientSampleId :

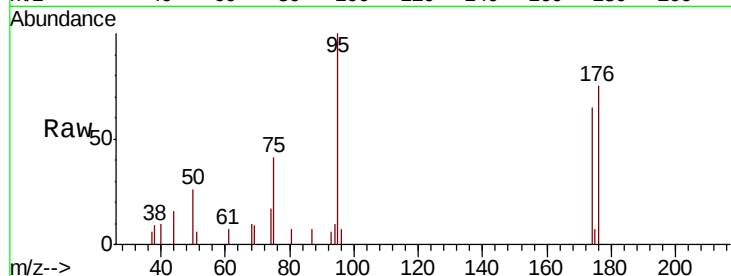
Tot Ion: 95 Resp: 7689

Ion Ratio Lower Upper

95 100

174 64.7 0.0 219.4

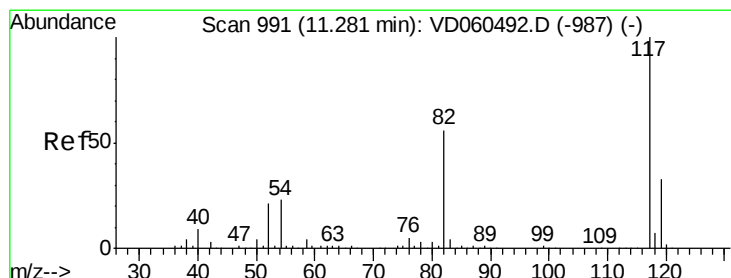
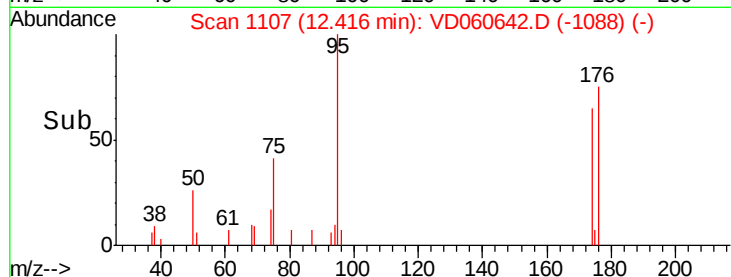
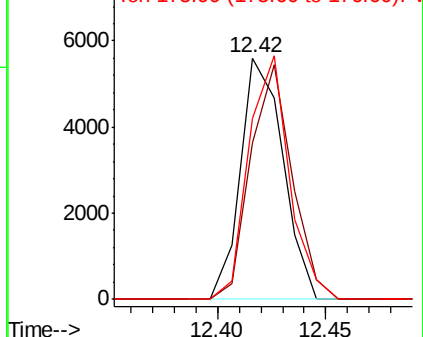
176 74.7 0.0 214.6



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: 11.27 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD060642.D

Acq: 19 Dec 2018 16:04

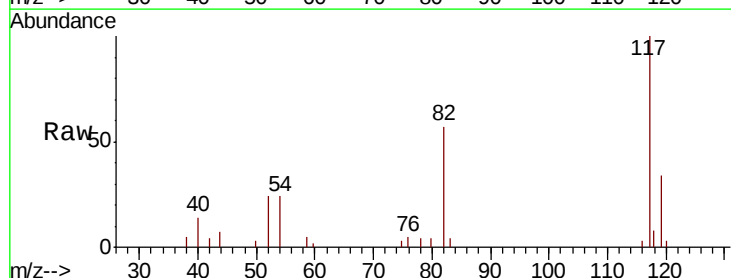
Tgt Ion: 117 Resp: 25665

Ion Ratio Lower Upper

117 100

82 56.6 45.2 67.8

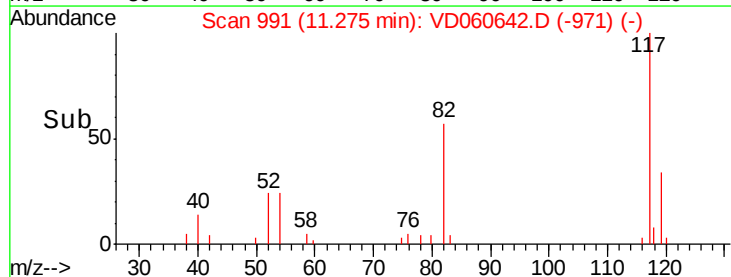
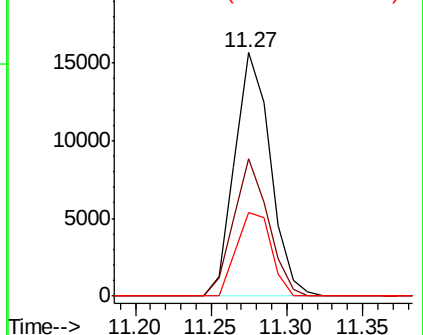
119 34.2 26.1 39.1

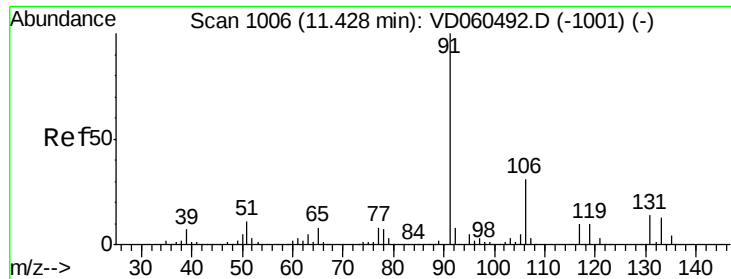


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

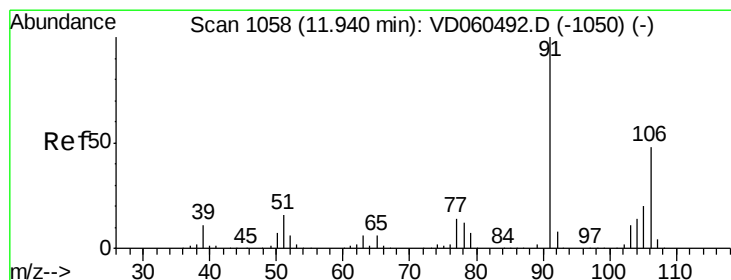
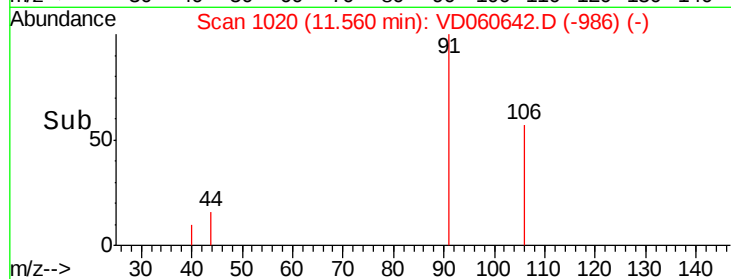
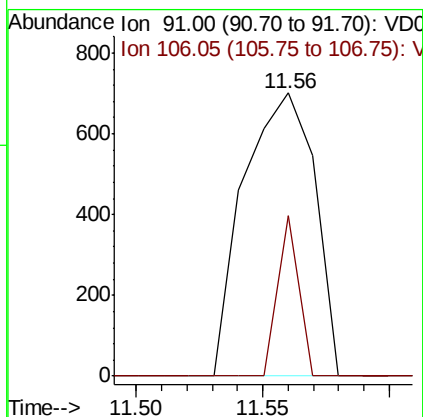
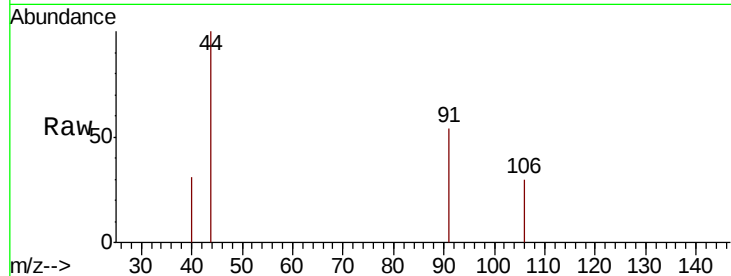




#67
Ethyl Benzene
Concen: 1.477 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.13 min
Lab File: VD060642.D
Acq: 19 Dec 2018 16:04

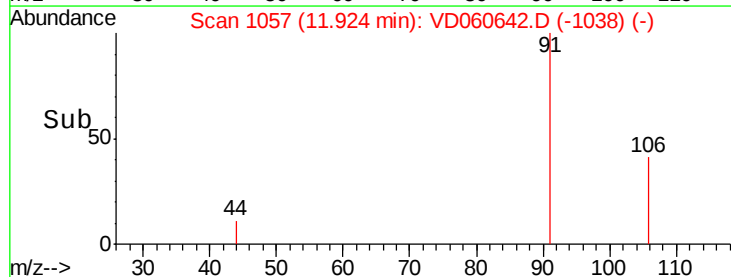
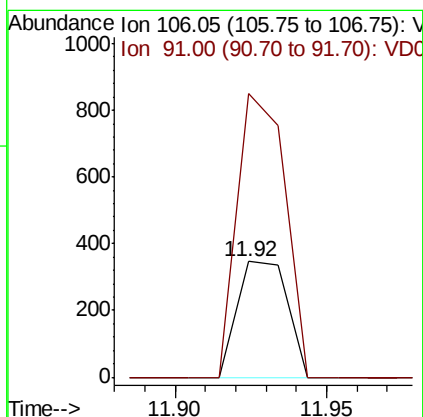
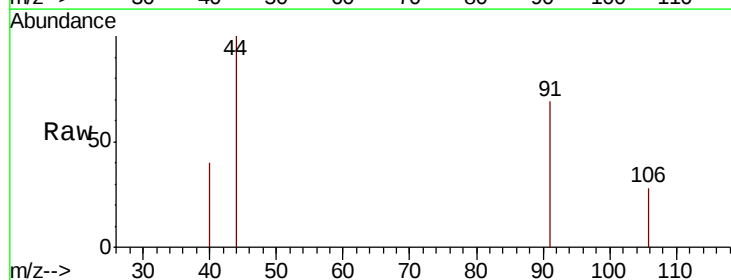
Instrument :
MSVOA_D
ClientSampled :

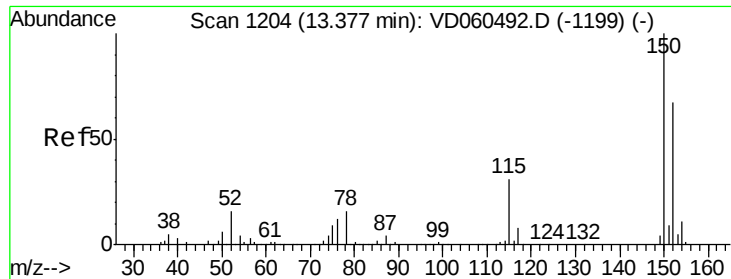
Tot Ion: 91 Resp: 1368
Ion Ratio Lower Upper
91 100
106 56.8 24.6 37.0#



#69
o-Xylene
Concen: 1.237 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060642.D
Acq: 19 Dec 2018 16:04

Tgt Ion: 106 Resp: 404
Ion Ratio Lower Upper
106 100
91 244.7 103.4 310.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060642.D

Acq: 19 Dec 2018 16:04

Instrument :

MSVOA_D

ClientSampled :

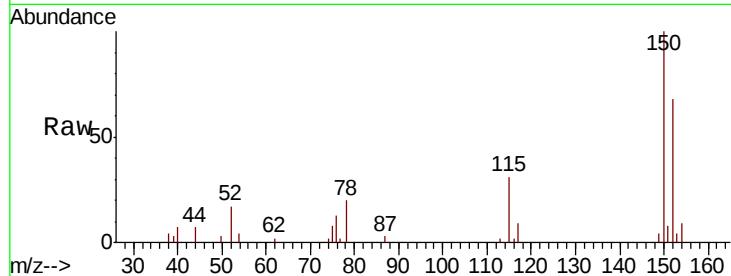
Tot Ion:152 Resp: 12341

Ion Ratio Lower Upper

152 100

115 46.5 24.6 74.0

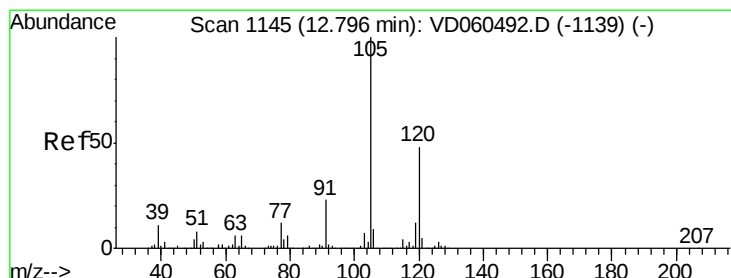
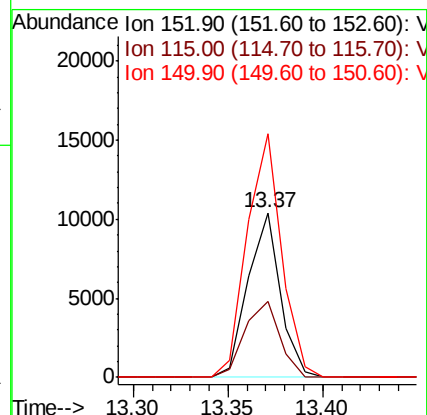
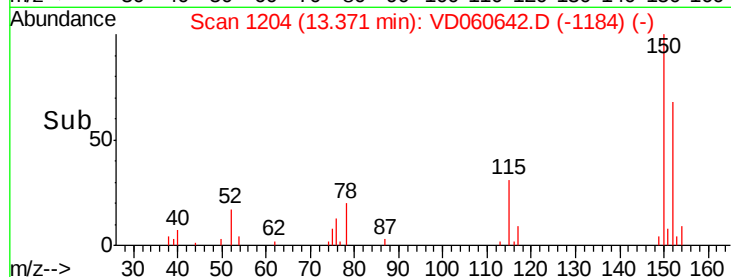
150 147.8 0.0 309.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#80

1,3,5-Trimethylbenzene

Concen: 2.317 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060642.D

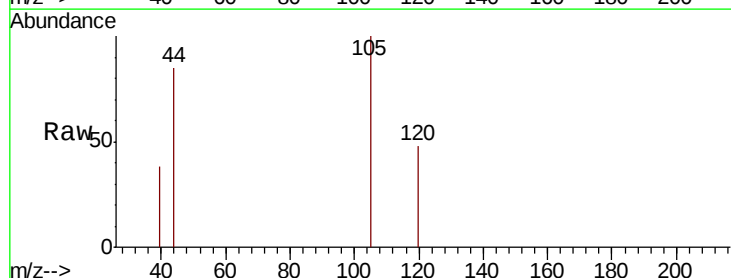
Acq: 19 Dec 2018 16:04

Tgt Ion:105 Resp: 1546

Ion Ratio Lower Upper

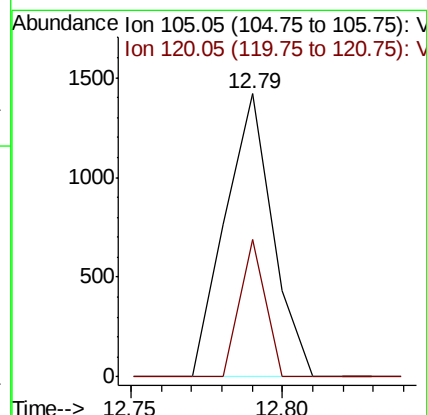
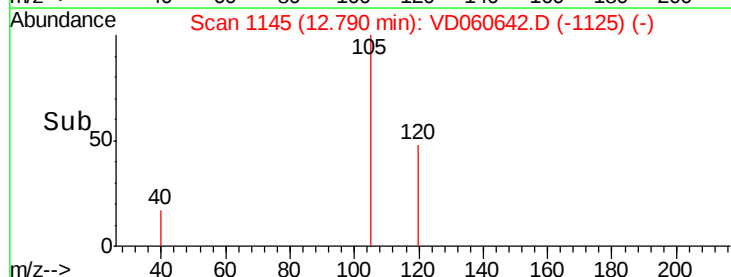
105 100

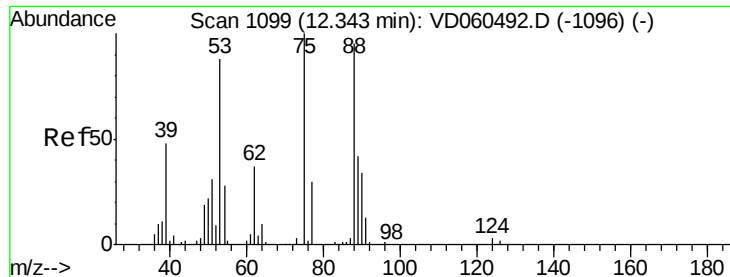
120 48.3 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 84.950 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060642.D

Acq: 19 Dec 2018 16:04

Instrument :

MSVOA_D

ClientSampleId :

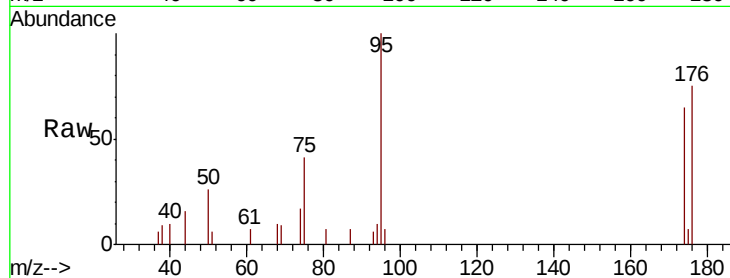
Tot Ion: 75 Resp: 3313

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

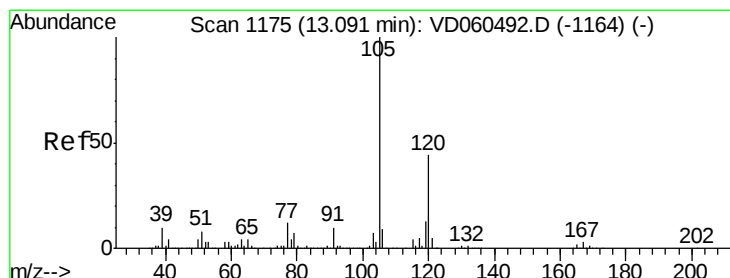
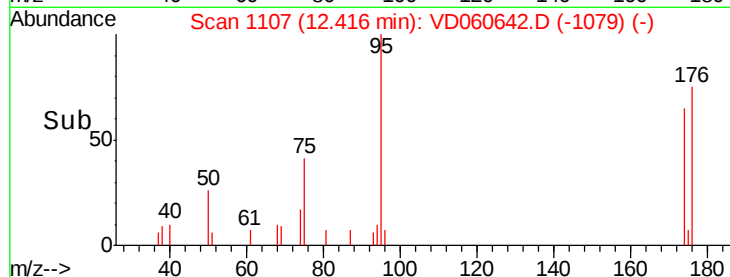
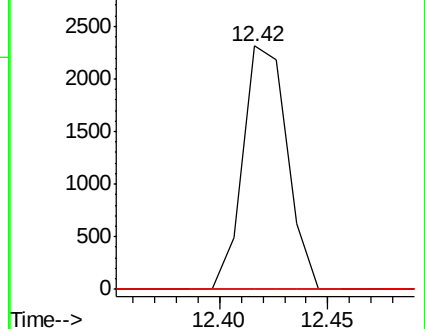
89 0.0 33.6 50.4#



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



#84

1,2,4-Trimethylbenzene

Concen: 8.388 ug/l

RT: 13.10 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VD060642.D

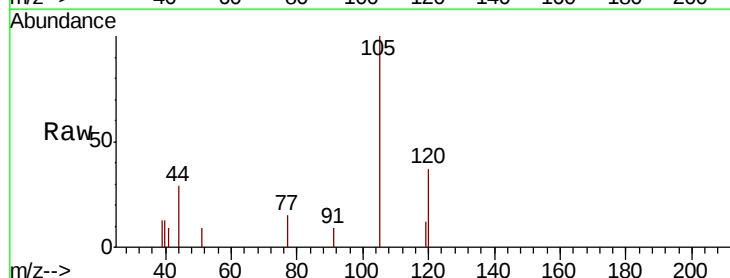
Acq: 19 Dec 2018 16:04

Tgt Ion:105 Resp: 5796

Ion Ratio Lower Upper

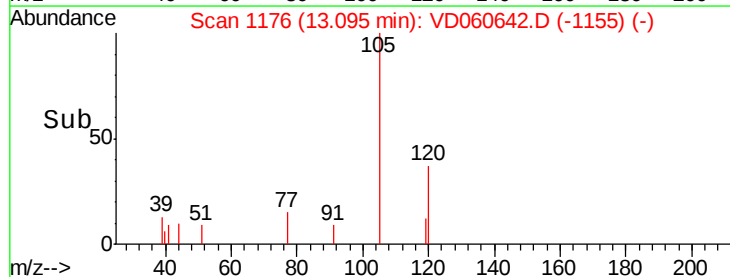
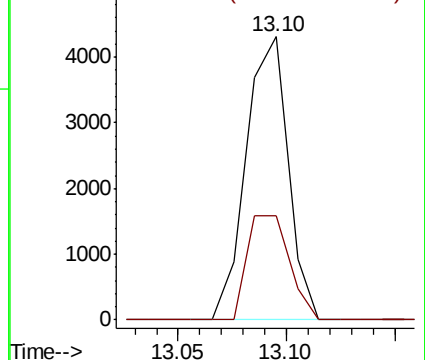
105 100

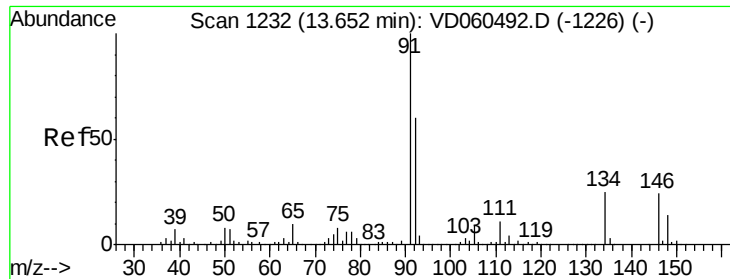
120 36.7 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#89

n-Butylbenzene

Concen: 2.011 ug/l

RT: 13.65 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD060642.D

Acq: 19 Dec 2018 16:04

Instrument :

MSVOA_D

ClientSampleID :

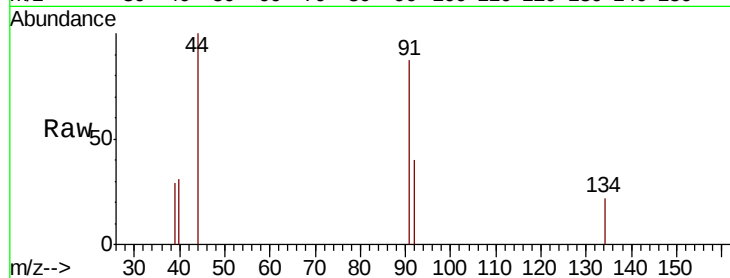
Tot Ion: 91 Resp: 1895

Ion Ratio Lower Upper

91 100

92 46.0 30.0 90.1

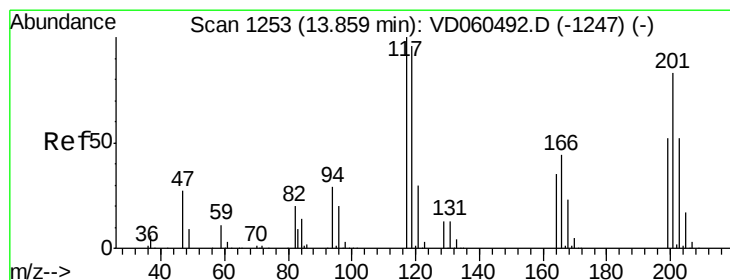
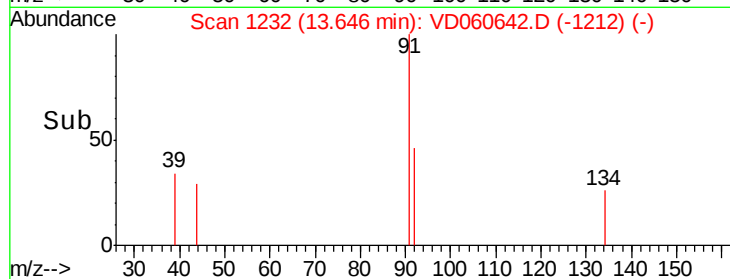
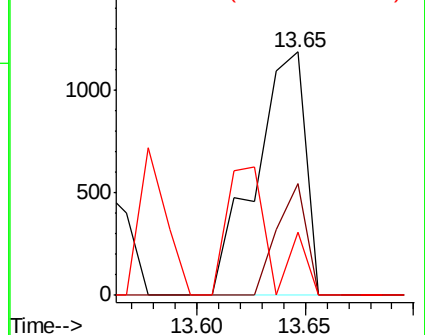
134 25.7 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 3.599 ug/l

RT: 13.93 min Scan# 1261

Delta R.T. 0.07 min

Lab File: VD060642.D

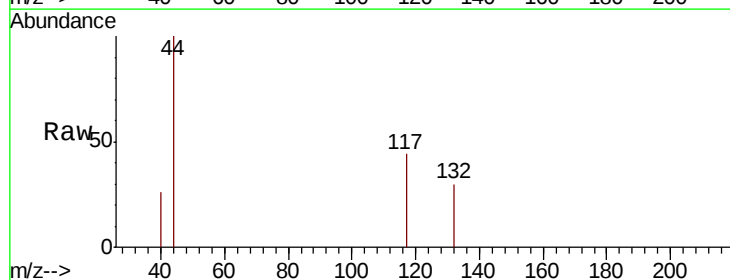
Acq: 19 Dec 2018 16:04

Tgt Ion: 117 Resp: 667

Ion Ratio Lower Upper

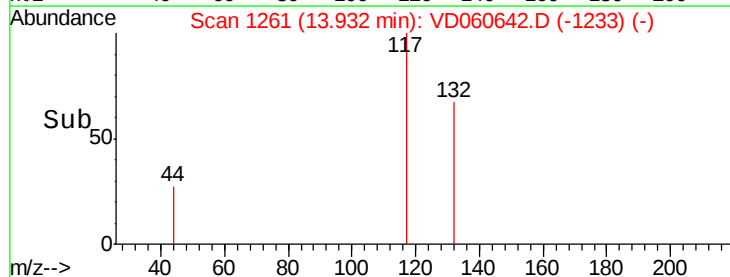
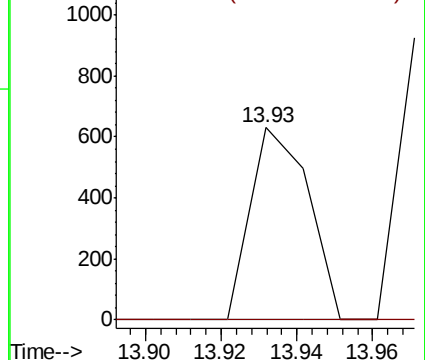
117 100

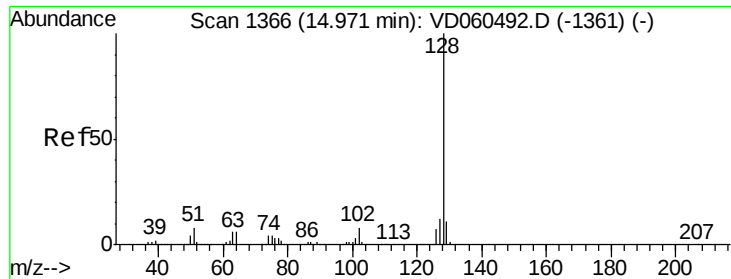
201 0.0 41.3 123.9#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#95

Naphthalene

Concen: 11.023 ug/l

RT: 14.96 min Scan# 1366

Delta R.T. -0.01 min

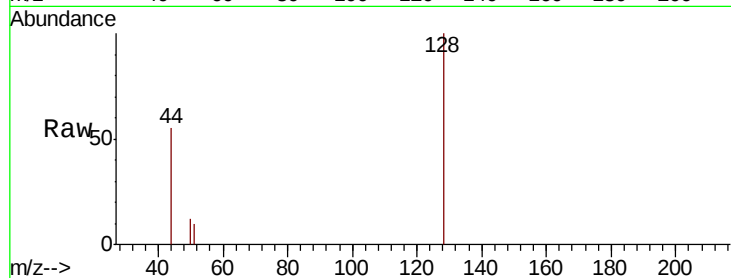
Lab File: VD060642.D

Acq: 19 Dec 2018 16:04

Instrument :

MSVOA_D

ClientSampleId :



Tot Ion:128 Resp: 3482

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 8.6 13.0#

