

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122118\
 Data File : VD060688.D
 Acq On : 21 Dec 2018 17:14
 Operator : VA/AP
 Sample : J6465-02RE
 Misc : 5.18g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EB01_0-2RE

Quant Time: Dec 21 22:27:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	149302	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.47	114	267299	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.31	117	264728	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	148254	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.82	65	104185	100.98	ug/l	0.03
Spiked Amount			Recovery	=	201.96%	
35) Dibromofluoromethane	6.36	113	98718	50.46	ug/l	0.03
Spiked Amount			Recovery	=	100.92%	
50) Toluene-d8	9.49	98	197956	33.91	ug/l	0.03
Spiked Amount			Recovery	=	67.82%	
62) 4-Bromofluorobenzene	12.45	95	92703	45.34	ug/l	0.03
Spiked Amount			Recovery	=	90.68%	

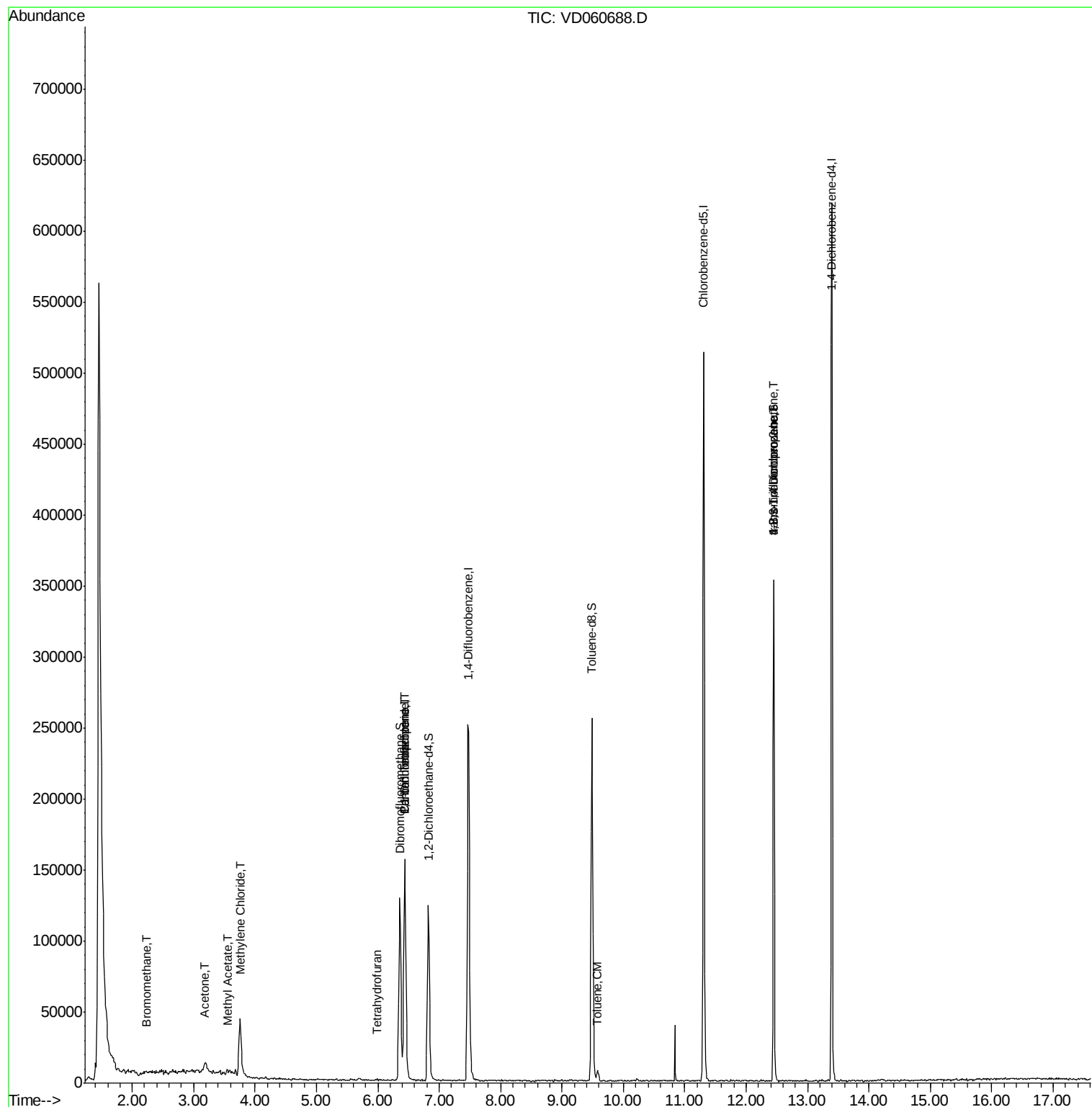
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.22	94	2653	8.497	ug/l #	2
16) Acetone	3.19	43	16055	89.102	ug/l	94
18) Methyl Acetate	3.56	43	5189	11.620	ug/l #	63
20) Methylene Chloride	3.76	84	26076	13.935	ug/l	97
29) Tetrahydrofuran	5.98	42	210	1.074	ug/l #	40
36) 1,1-Dichloropropene	6.44	75	10909	3.963	ug/l #	40
38) Carbon Tetrachloride	6.44	117	11043	4.548	ug/l #	12
52) Toluene	9.58	92	4593	1.031	ug/l	95
76) 1,2,3-Trichloropropane	12.45	75	38188	22.625	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.45	75	38180	81.862	ug/l #	13

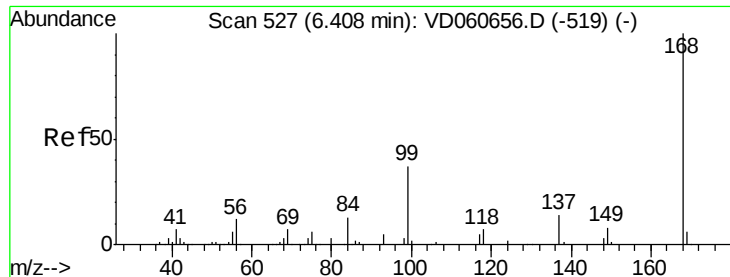
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122118\
Data File : VD060688.D
Acq On : 21 Dec 2018 17:14
Operator : VA/AP
Sample : J6465-02RE
Misc : 5.18g/5ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EB01_0-2RE

Quant Time: Dec 21 22:27:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 530

Delta R.T. 0.03 min

Lab File: VD060688.D

Acq: 21 Dec 2018 17:14

Instrument :

MSVOA_D

ClientSampleId :

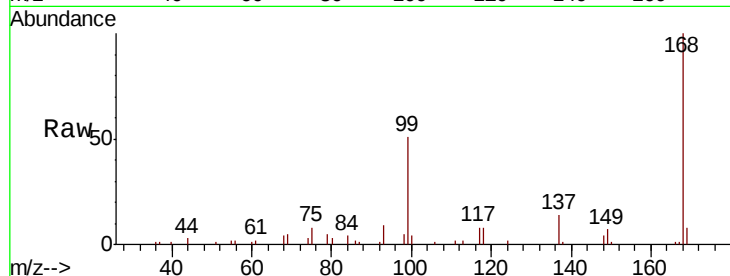
EB01_0-2RE

Tot Ion:168 Resp: 149302

Ion Ratio Lower Upper

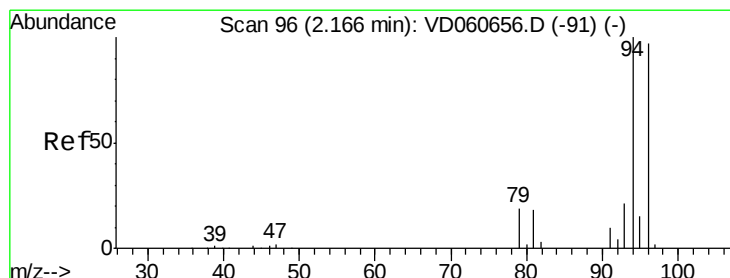
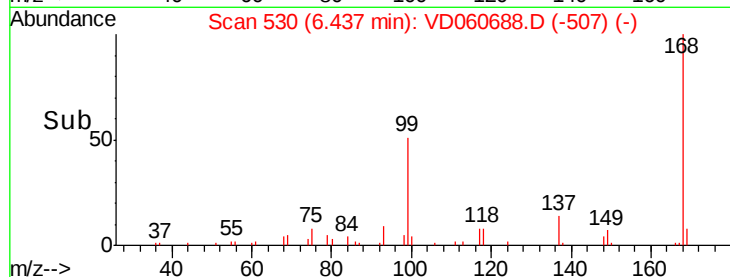
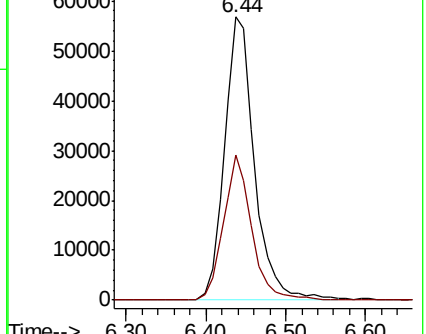
168 100

99 51.4 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 8.497 ug/l

RT: 2.22 min Scan# 101

Delta R.T. 0.05 min

Lab File: VD060688.D

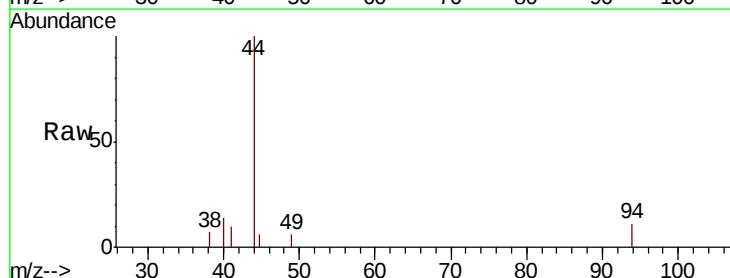
Acq: 21 Dec 2018 17:14

Tgt Ion: 94 Resp: 2653

Ion Ratio Lower Upper

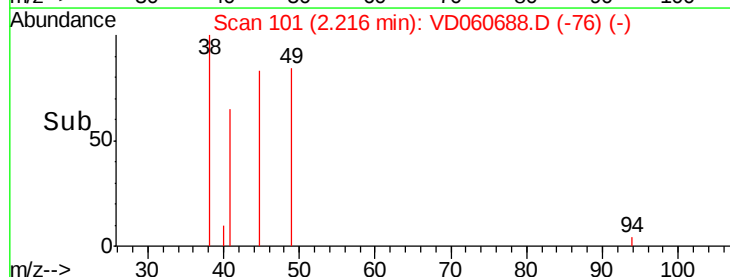
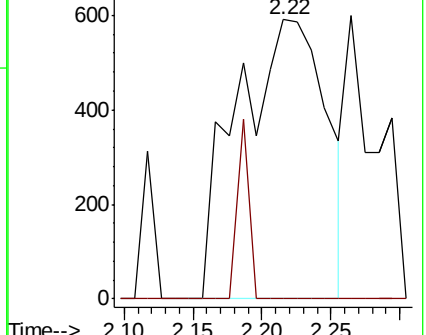
94 100

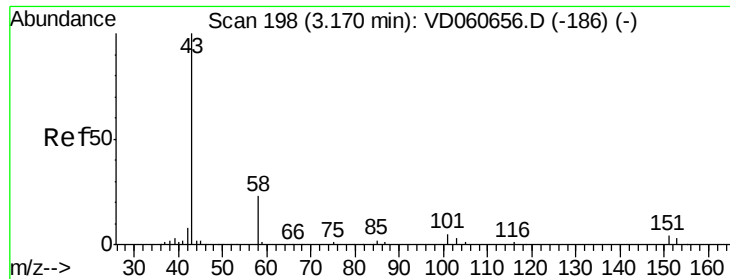
96 0.0 77.2 115.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 89.102 ug/l

RT: 3.19 min Scan# 200

Delta R.T. 0.02 min

Lab File: VD060688.D

Acq: 21 Dec 2018 17:14

Instrument :

MSVOA_D

ClientSampleId :

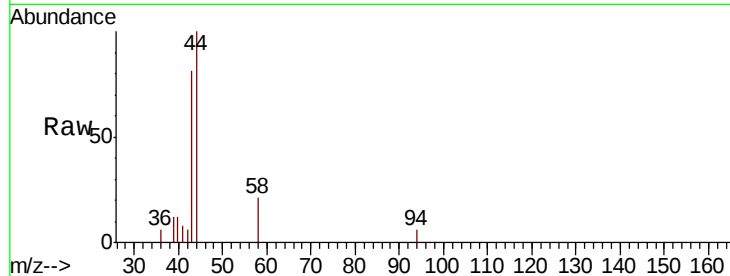
EB01_0-2RE

Tot Ion: 43 Resp: 16055

Ion Ratio Lower Upper

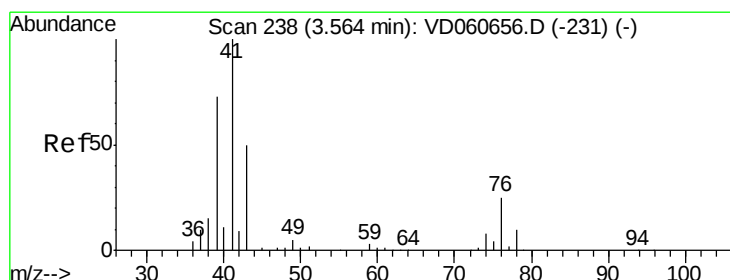
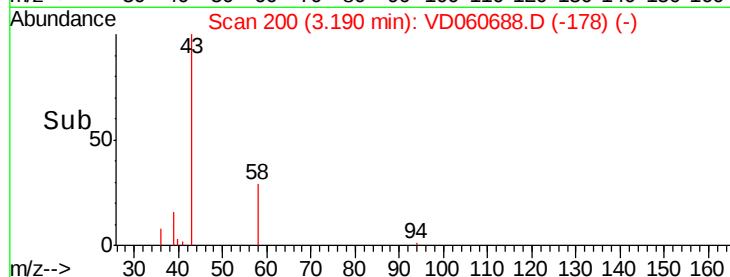
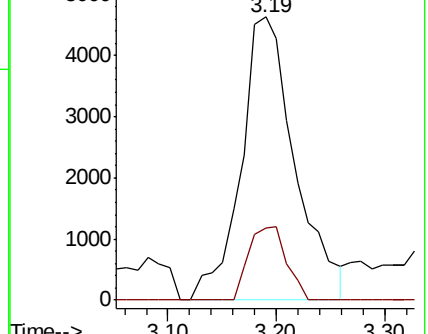
43 100

58 25.7 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 11.620 ug/l

RT: 3.56 min Scan# 238

Delta R.T. 0.00 min

Lab File: VD060688.D

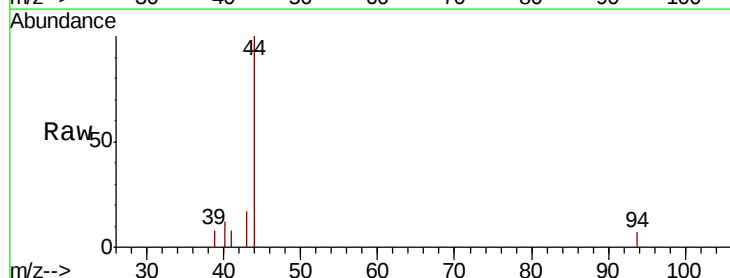
Acq: 21 Dec 2018 17:14

Tgt Ion: 43 Resp: 5189

Ion Ratio Lower Upper

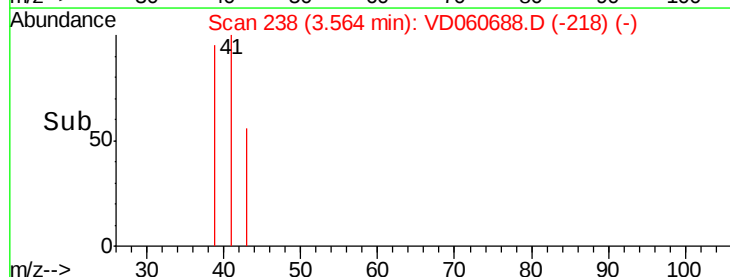
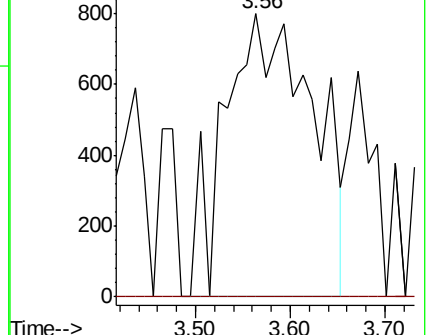
43 100

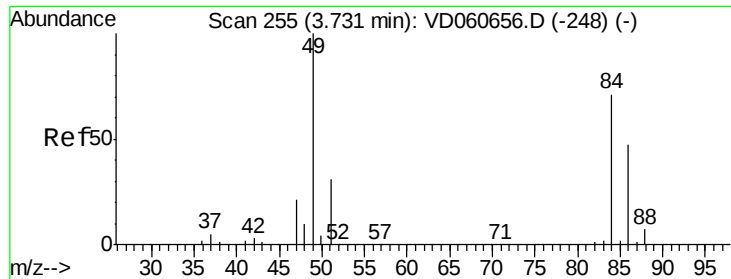
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

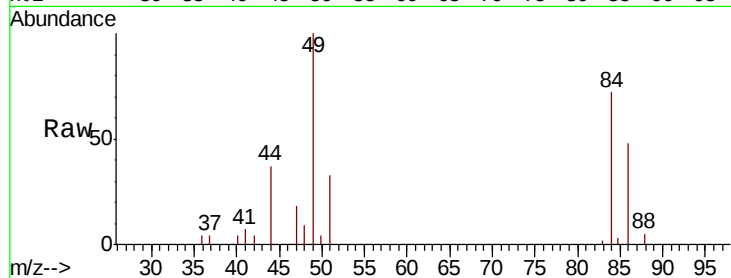




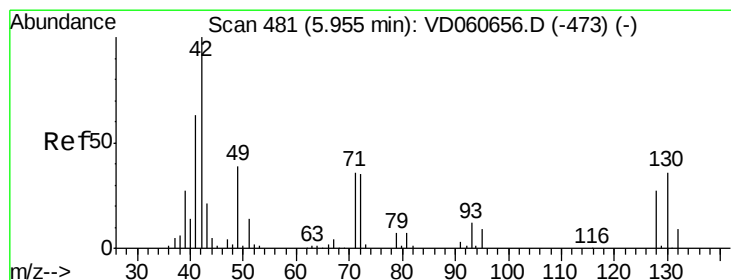
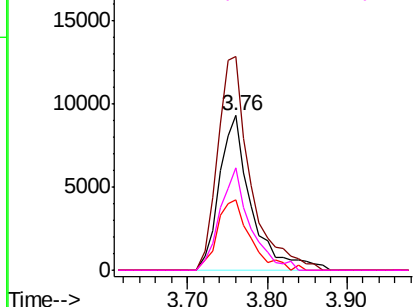
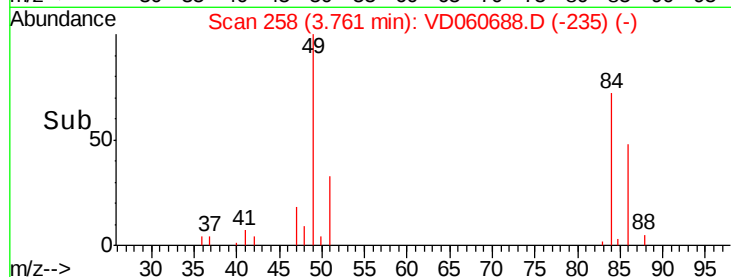
#20
Methvlene Chloride
Concen: 13.935 ug/l
RT: 3.76 min Scan# 258
Delta R.T. 0.03 min
Lab File: VD060688.D
Acq: 21 Dec 2018 17:14

Instrument :
MSVOA_D
ClientSampleId :
EB01_0-2RE

Tot Ion: 84 Resp: 26076
Ion Ratio Lower Upper
84 100
49 138.0 113.6 170.4
51 45.6 34.7 52.1
86 66.3 52.8 79.2

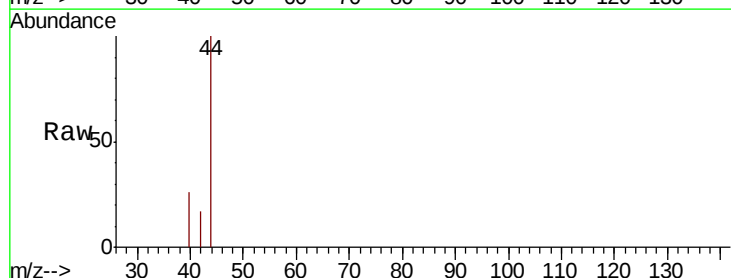


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

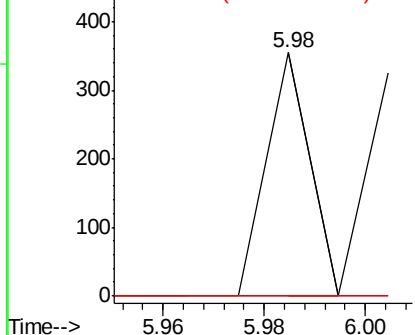
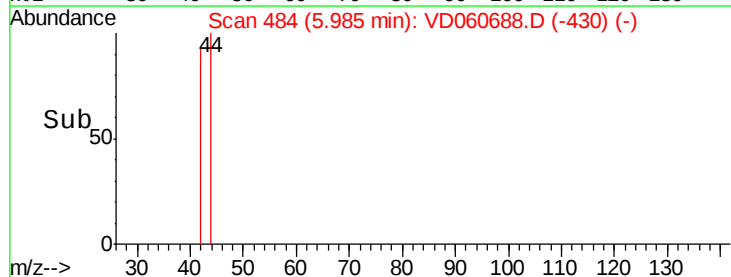


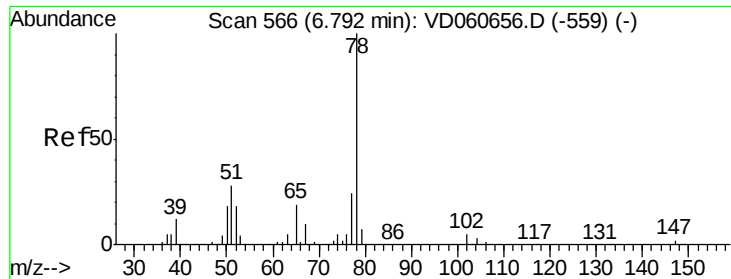
#29
Tetrahydrofuran
Concen: 1.074 ug/l
RT: 5.98 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD060688.D
Acq: 21 Dec 2018 17:14

Tgt Ion: 42 Resp: 210
Ion Ratio Lower Upper
42 100
72 0.0 28.0 42.0#
71 0.0 27.0 40.6#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.82 min Scan# 569

Delta R.T. 0.03 min

Lab File: VD060688.D

Acq: 21 Dec 2018 17:14

Instrument :

MSVOA_D

ClientSampleId :

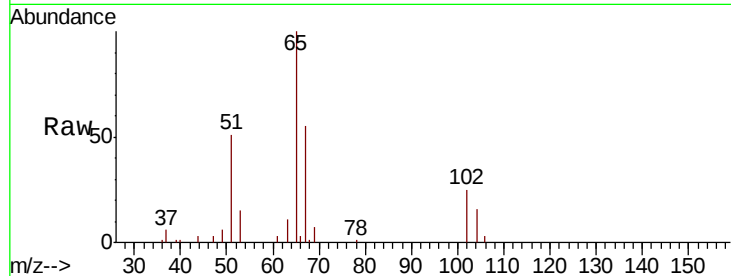
EB01_0-2RE

Tot Ion: 65 Resp: 104185

Ion Ratio Lower Upper

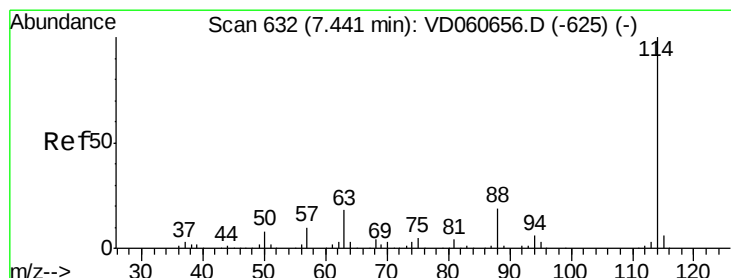
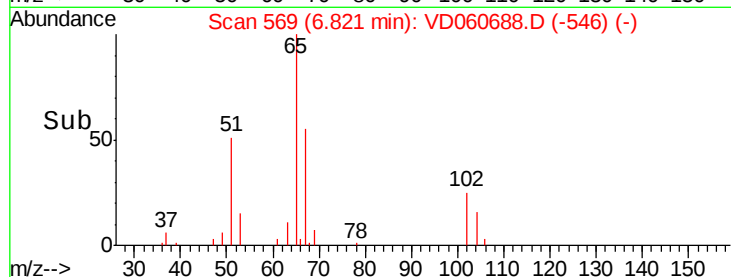
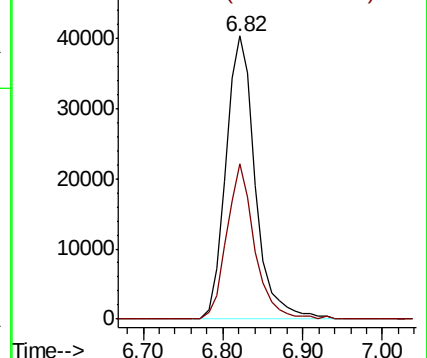
65 100

67 54.8 0.0 105.4



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: 7.47 min Scan# 635

Delta R.T. 0.03 min

Lab File: VD060688.D

Acq: 21 Dec 2018 17:14

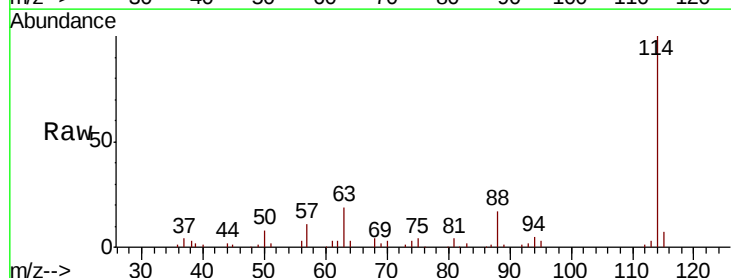
Tgt Ion: 114 Resp: 267299

Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.2

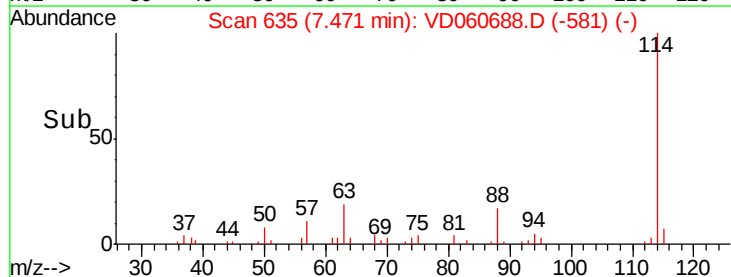
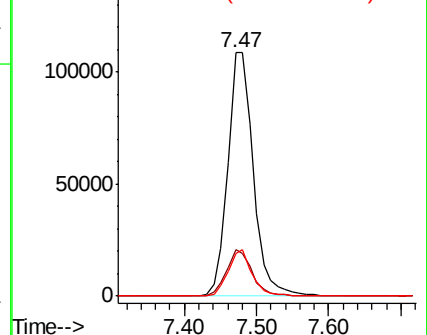
88 17.5 0.0 37.0

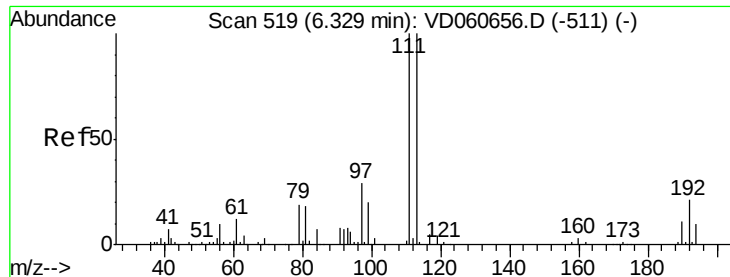


Abundance Ion 114.00 (113.70 to 114.70): VDC

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: 6.36 min Scan# 522

Delta R.T. 0.03 min

Lab File: VD060688.D

Acq: 21 Dec 2018 17:14

Instrument :

MSVOA_D

ClientSampleId :

EB01_0-2RE

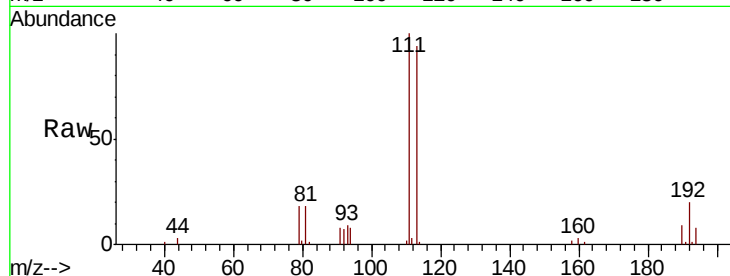
Tot Ion:113 Resp: 98718

Ion Ratio Lower Upper

113 100

111 106.2 80.0 120.0

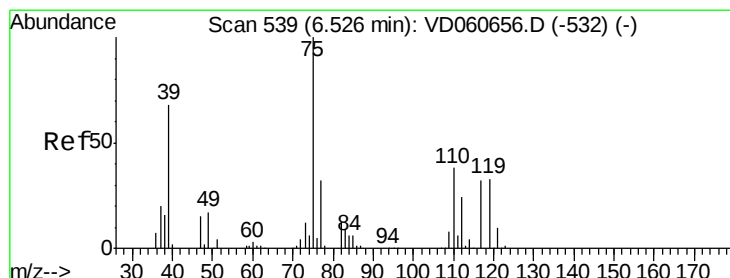
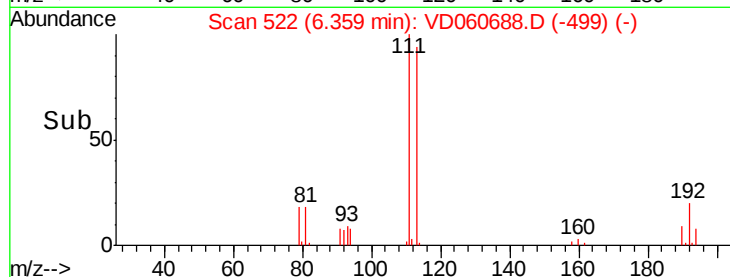
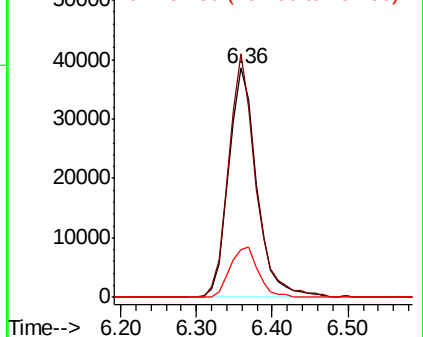
192 21.0 16.6 25.0



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: 3.963 ug/l

RT: 6.44 min Scan# 530

Delta R.T. -0.09 min

Lab File: VD060688.D

Acq: 21 Dec 2018 17:14

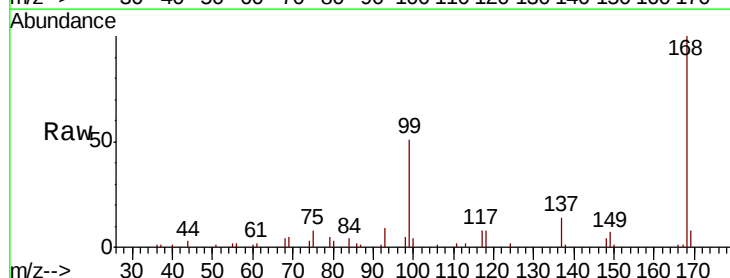
Tgt Ion: 75 Resp: 10909

Ion Ratio Lower Upper

75 100

110 0.0 18.9 56.7#

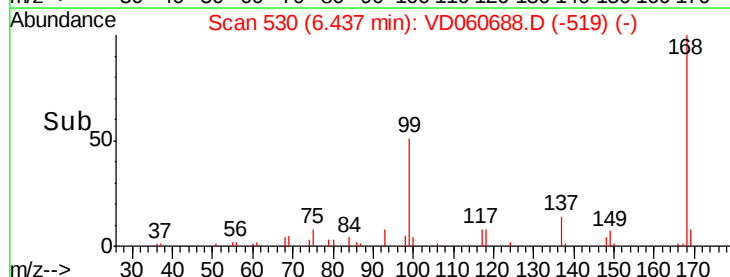
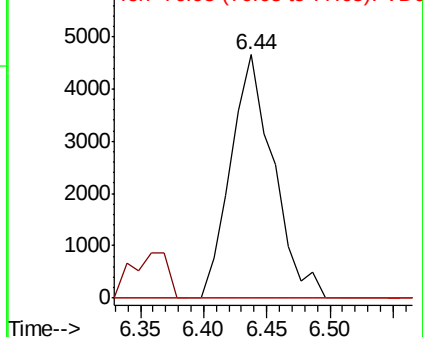
77 0.0 25.4 38.0#

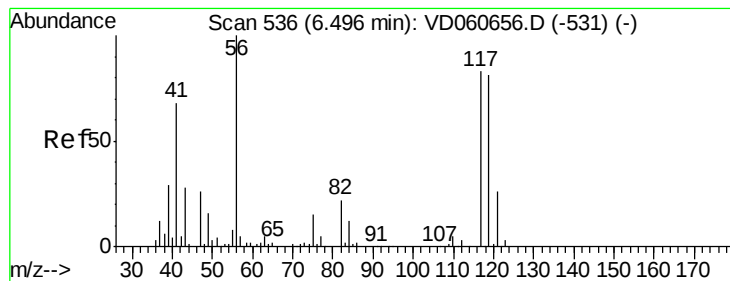


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 4.548 ug/l

RT: 6.44 min Scan# 530

Delta R.T. -0.06 min

Lab File: VD060688.D

Acq: 21 Dec 2018 17:14

Instrument :

MSVOA_D

ClientSampleId :

EB01_0-2RE

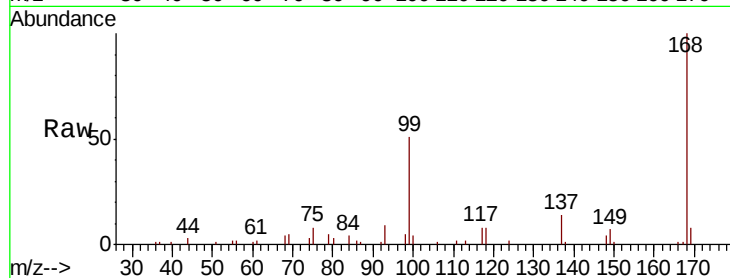
Tot Ion:117 Resp: 11043

Ion Ratio Lower Upper

117 100

119 0.0 77.0 115.4#

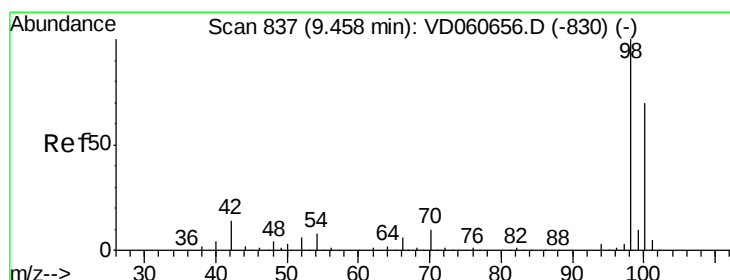
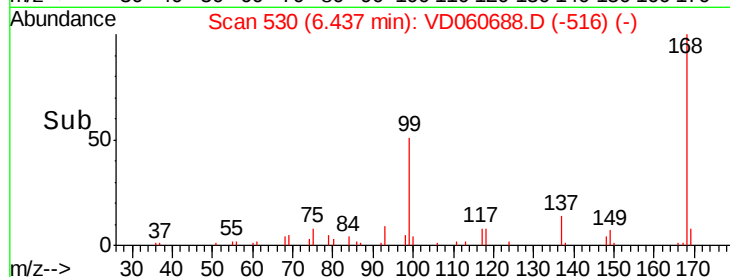
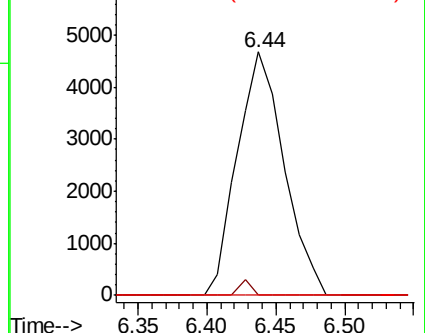
121 0.0 24.7 37.1#



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: N.D. ug/l

RT: 9.49 min Scan# 840

Delta R.T. 0.03 min

Lab File: VD060688.D

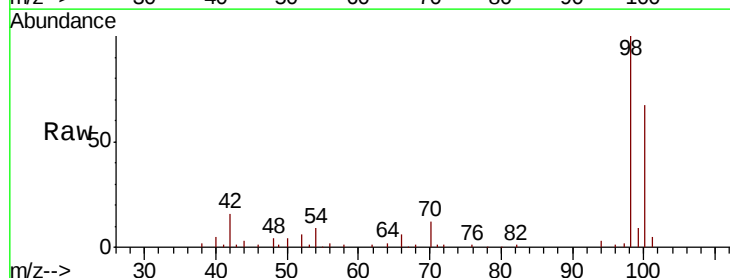
Acq: 21 Dec 2018 17:14

Tgt Ion: 98 Resp: 197956

Ion Ratio Lower Upper

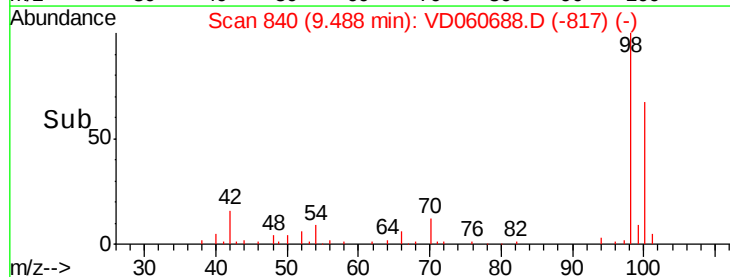
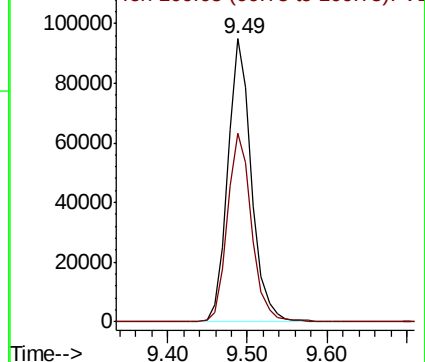
98 100

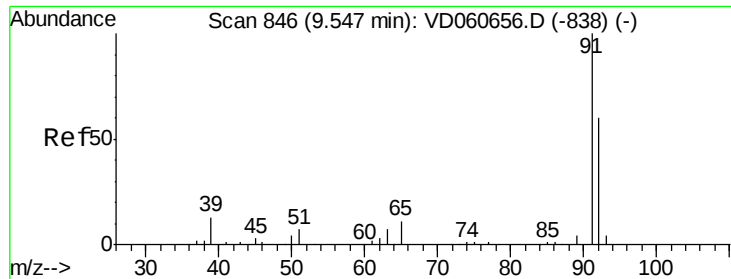
100 66.7 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.031 ug/l

RT: 9.58 min Scan# 849

Delta R.T. 0.03 min

Lab File: VD060688.D

Acq: 21 Dec 2018 17:14

Instrument :

MSVOA_D

ClientSampleId :

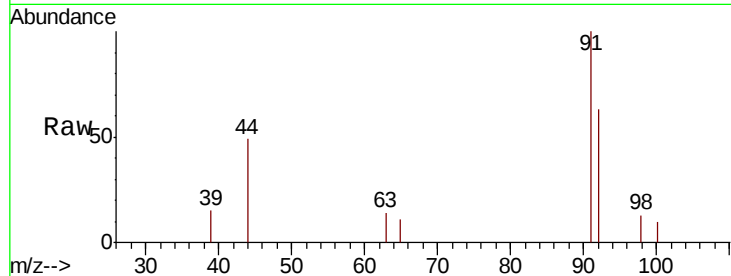
EB01_0-2RE

Tot Ion: 92 Resp: 4593

Ion Ratio Lower Upper

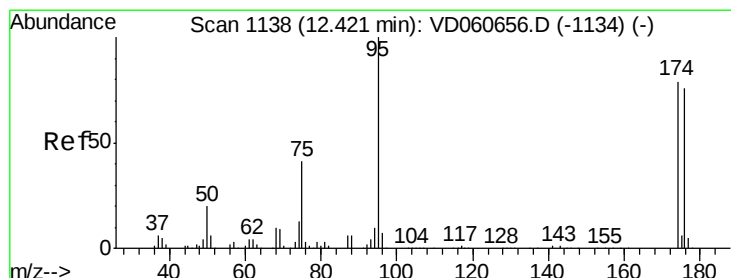
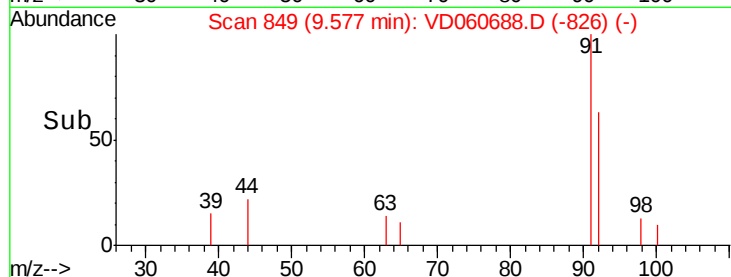
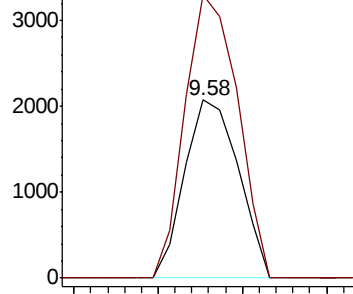
92 100

91 158.9 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.45 min Scan# 1141

Delta R.T. 0.03 min

Lab File: VD060688.D

Acq: 21 Dec 2018 17:14

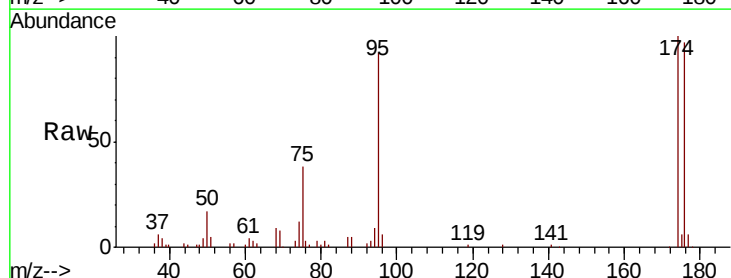
Tgt Ion: 95 Resp: 92703

Ion Ratio Lower Upper

95 100

174 109.1 0.0 158.2

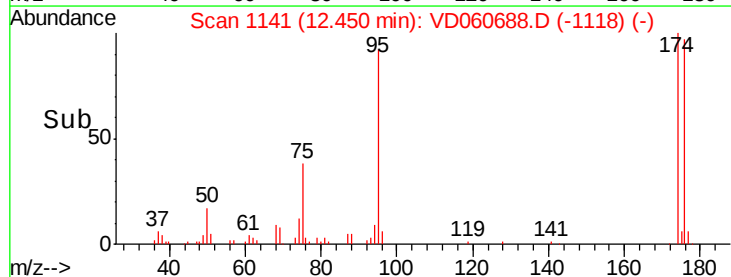
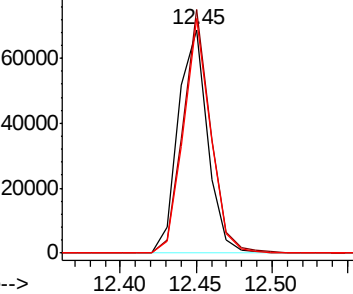
176 105.4 0.0 152.4

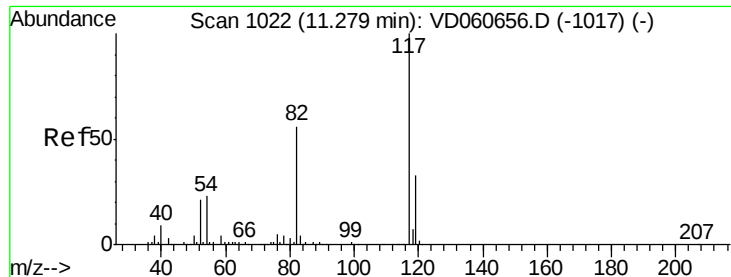


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

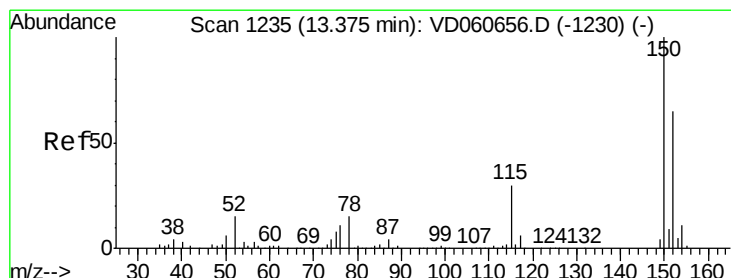
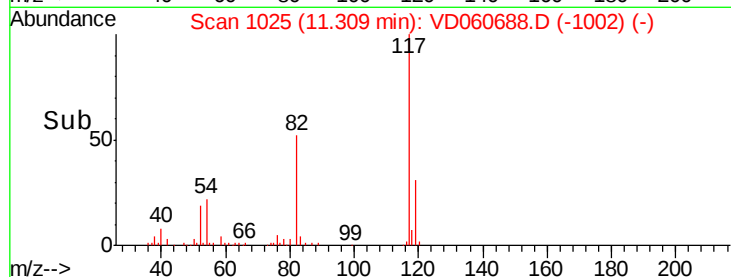
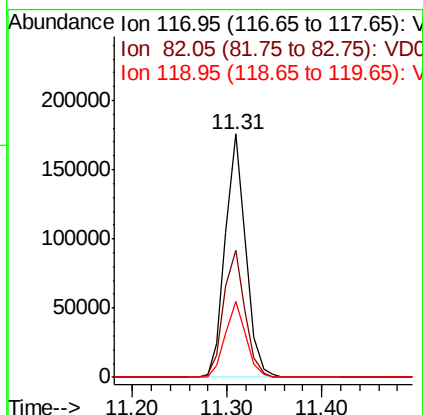
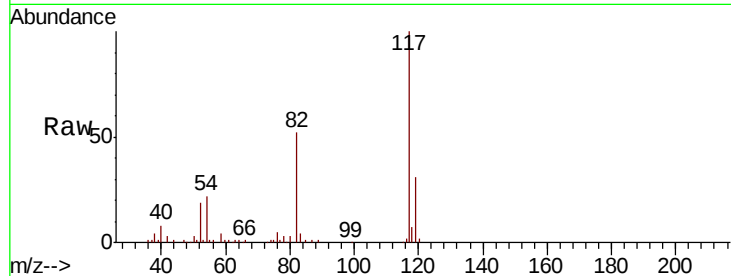




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.31 min Scan# 1025
Delta R.T. 0.03 min
Lab File: VD060688.D
Acq: 21 Dec 2018 17:14

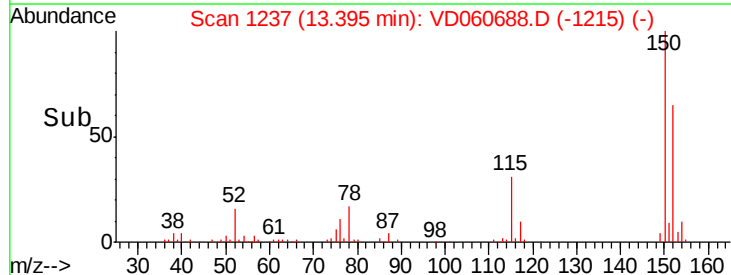
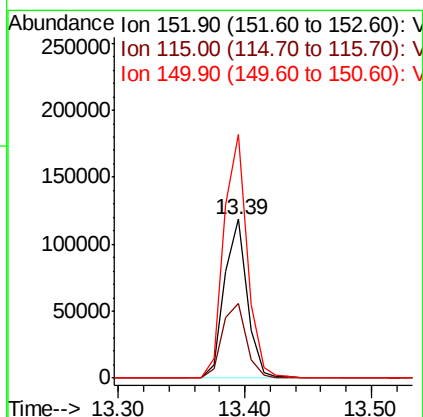
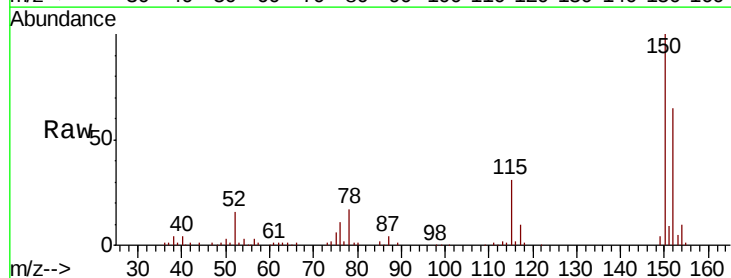
Instrument :
MSVOA_D
ClientSampleId :
EB01_0-2RE

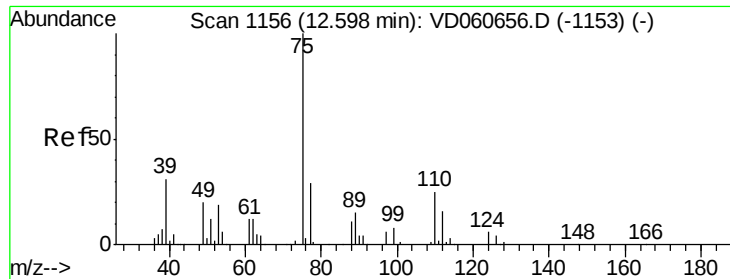
Tot Ion:117 Resp: 264728
Ion Ratio Lower Upper
117 100
82 52.4 44.5 66.7
119 31.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.39 min Scan# 1237
Delta R.T. 0.02 min
Lab File: VD060688.D
Acq: 21 Dec 2018 17:14

Tgt Ion:152 Resp: 148254
Ion Ratio Lower Upper
152 100
115 47.2 24.1 72.3
150 153.3 0.0 315.0





#76

1,2,3-Trichloropropane

Concen: 22.625 ug/l

RT: 12.45 min Scan# 1141

Delta R.T. -0.15 min

Lab File: VD060688.D

Acq: 21 Dec 2018 17:14

Instrument :

MSVOA_D

ClientSampleId :

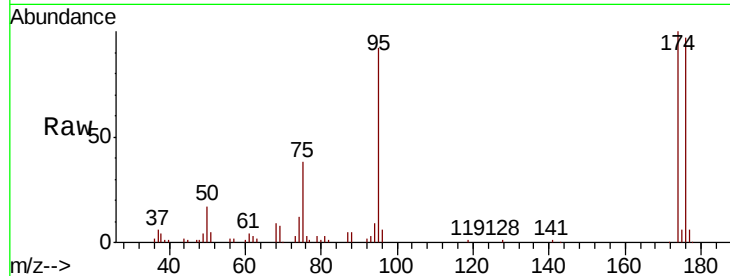
EB01_0-2RE

Tot Ion: 75 Resp: 38188

Ion Ratio Lower Upper

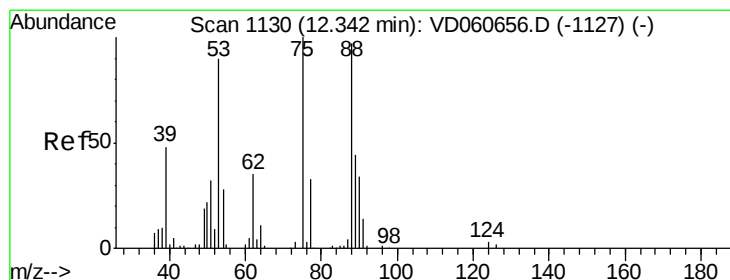
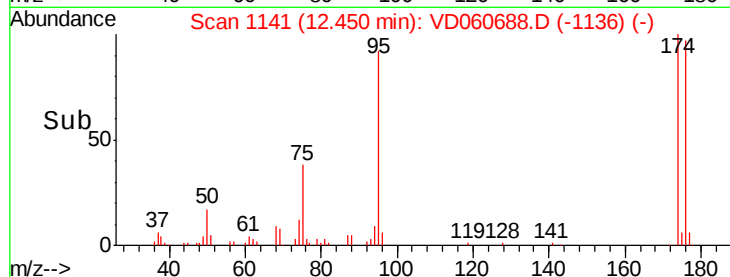
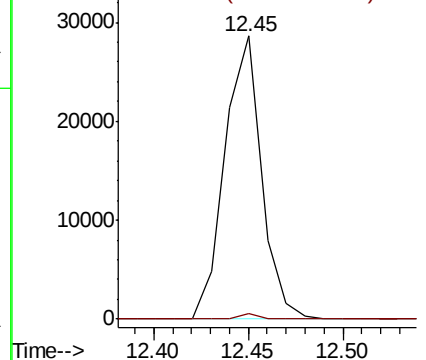
75 100

77 1.9 16.7 50.0#



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: 81.862 ug/l

RT: 12.45 min Scan# 1141

Delta R.T. 0.11 min

Lab File: VD060688.D

Acq: 21 Dec 2018 17:14

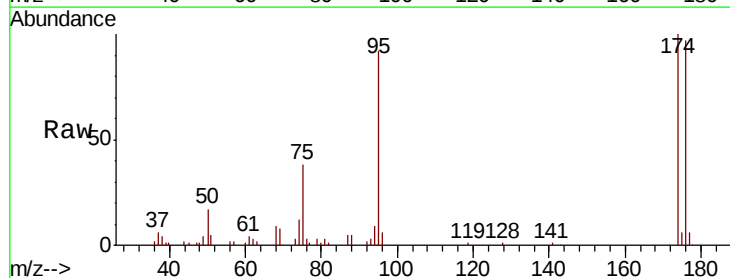
Tgt Ion: 75 Resp: 38180

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#



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

