

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122218\
 Data File : VD060705.D
 Acq On : 22 Dec 2018 13:34
 Operator : VA/AP
 Sample : J6525-02RE
 Misc : 5.31g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-2(5)

Quant Time: Dec 24 02:19:05 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	6.43	168	1406589	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.46	114	1955399	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.30	117	1358722	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.39	152	474535	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	455904	46.90	ug/l	0.02
Spiked Amount			Recovery	=	93.80%	
35) Dibromofluoromethane	6.35	113	625486	43.70	ug/l	0.02
Spiked Amount			Recovery	=	87.40%	
50) Toluene-d8	9.48	98	1580350	37.01	ug/l	0.02
Spiked Amount			Recovery	=	74.02%	
62) 4-Bromofluorobenzene	12.44	95	437767	29.27	ug/l	0.02
Spiked Amount			Recovery	=	58.54%	

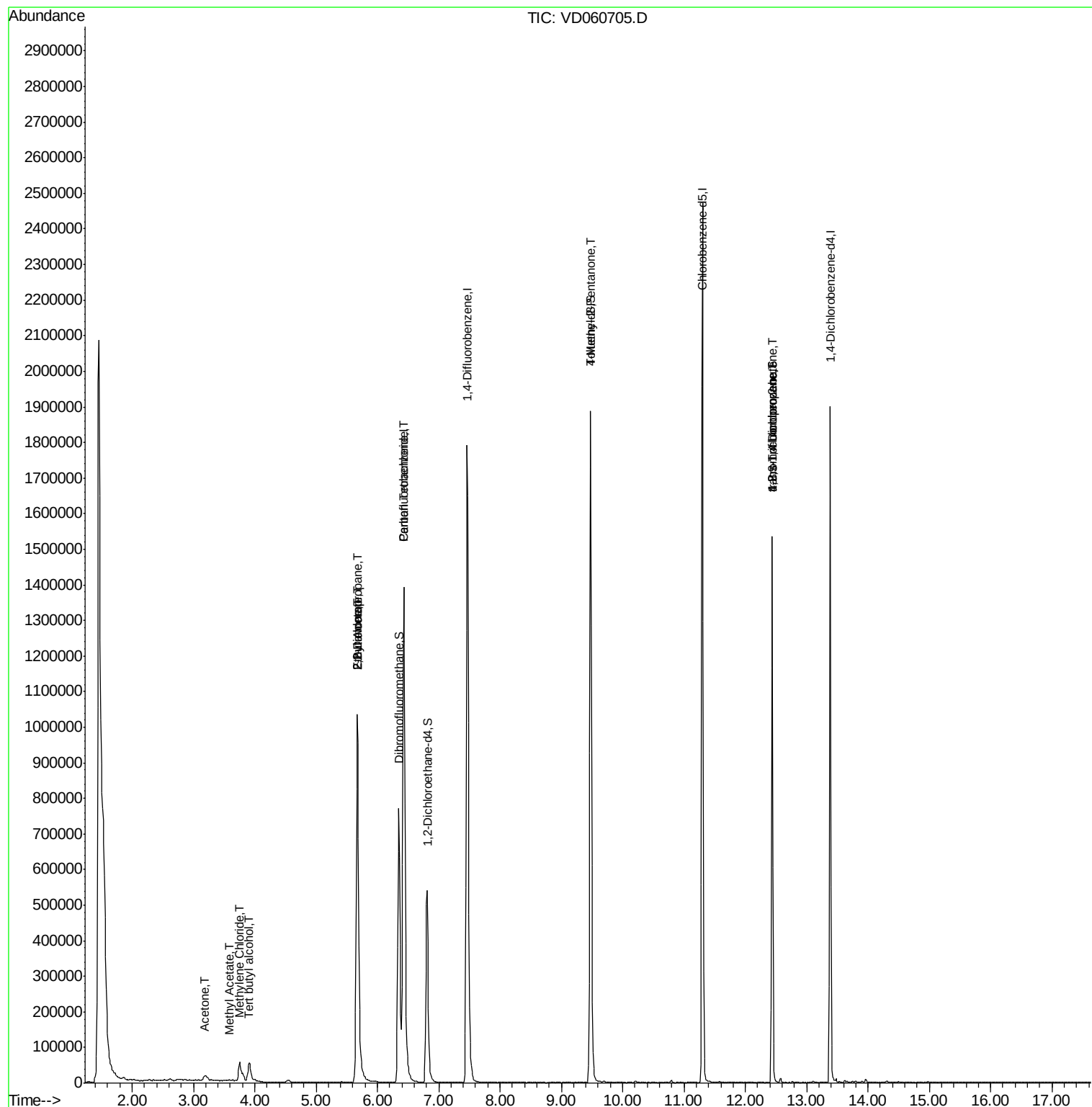
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.91	59	57696	142.023	ug/l #	74
16) Acetone	3.19	43	29447	17.347	ug/l	96
18) Methyl Acetate	3.58	43	6422	1.526	ug/l #	63
20) Methylene Chloride	3.75	84	33442	1.897	ug/l	92
25) 2-Butanone	5.67	43	60288	18.559	ug/l #	81
26) 2,2-Dichloropropane	5.67	77	68615	3.407	ug/l #	49
37) Ethyl Acetate	5.67	43	60515	7.186	ug/l #	10
38) Carbon Tetrachloride	6.43	117	108325	6.098	ug/l #	15
51) 4-Methyl-2-Pentanone	9.47	43	9191	1.388	ug/l #	1
76) 1,2,3-Trichloropropane	12.44	75	162072	29.999	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.44	75	175954	117.865	ug/l #	13

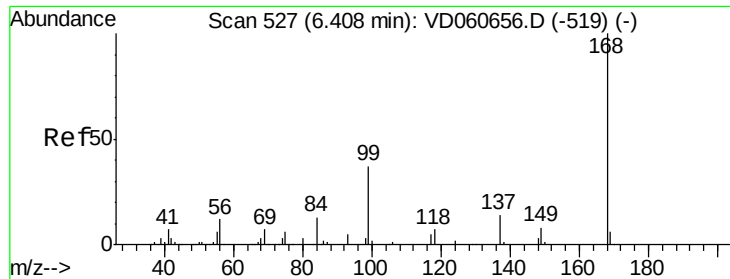
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122218\
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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: 6.43 min Scan# 529

Delta R.T. 0.02 min

Lab File: VD060705.D

Acq: 22 Dec 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

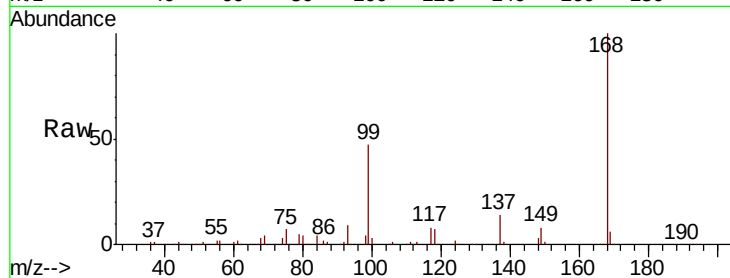
S-2(5)

Tot Ion:168 Resp: 1406589

Ion Ratio Lower Upper

168 100

99 46.5 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.43

500000

400000

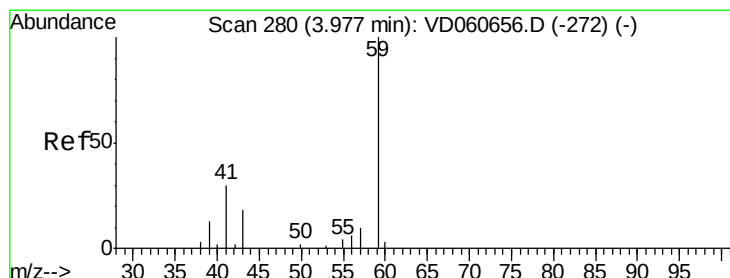
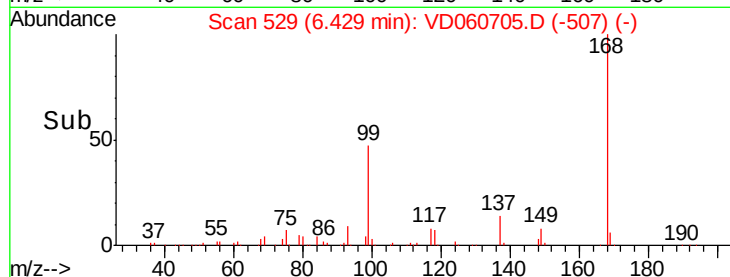
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 142.023 ug/l

RT: 3.91 min Scan# 273

Delta R.T. -0.07 min

Lab File: VD060705.D

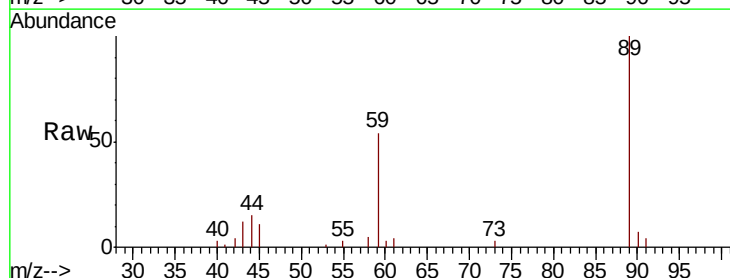
Acq: 22 Dec 2018 13:34

Tgt Ion: 59 Resp: 57696

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): V

Ion 56.95 (56.65 to 57.65): V

3.91

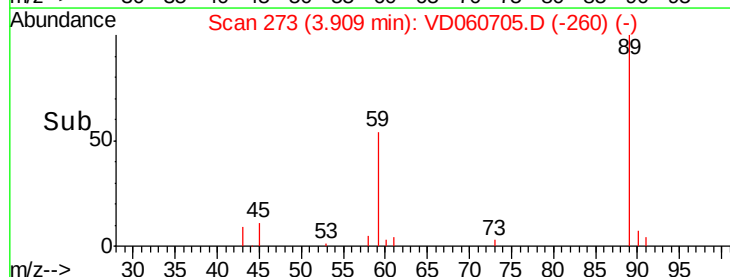
15000

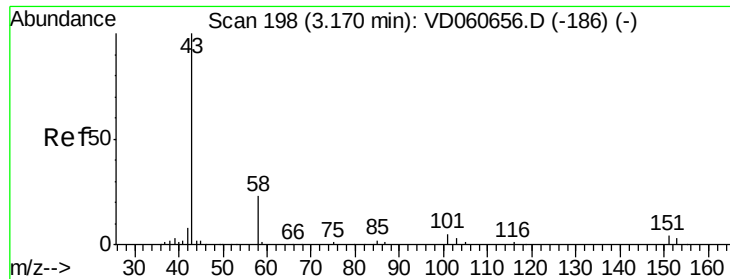
10000

5000

0

Time-->





#16

Acetone

Concen: 17.347 ug/l

RT: 3.19 min Scan# 200

Delta R.T. 0.02 min

Lab File: VD060705.D

Acq: 22 Dec 2018 13:34

Instrument :

MSVOA_D

ClientSampled :

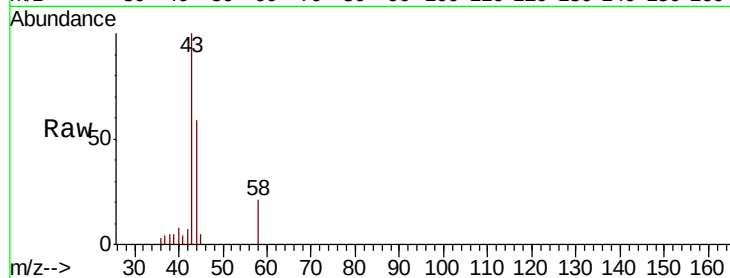
S-2(5)

Tot Ion: 43 Resp: 29447

Ion Ratio Lower Upper

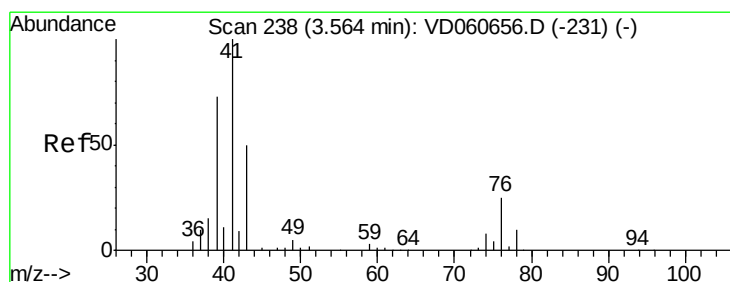
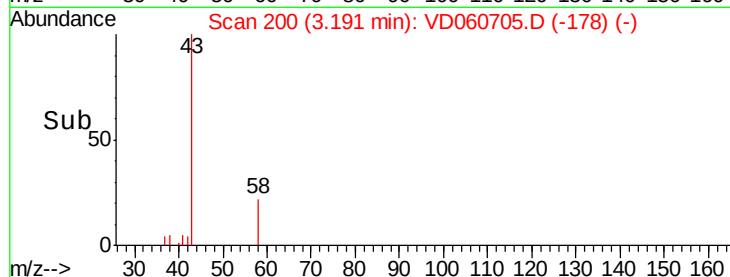
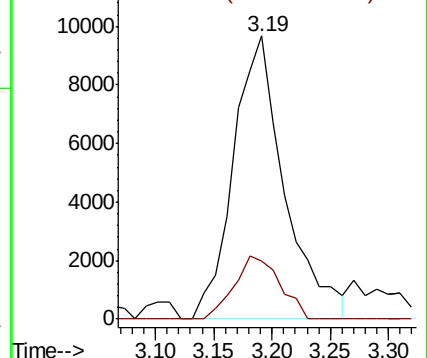
43 100

58 20.6 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: 1.526 ug/l

RT: 3.58 min Scan# 240

Delta R.T. 0.02 min

Lab File: VD060705.D

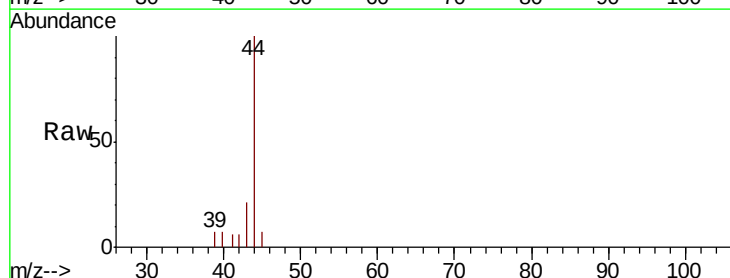
Acq: 22 Dec 2018 13:34

Tgt Ion: 43 Resp: 6422

Ion Ratio Lower Upper

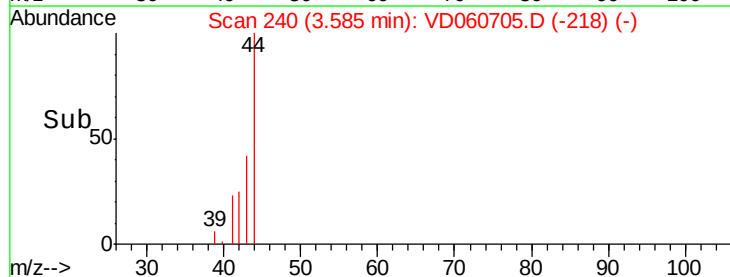
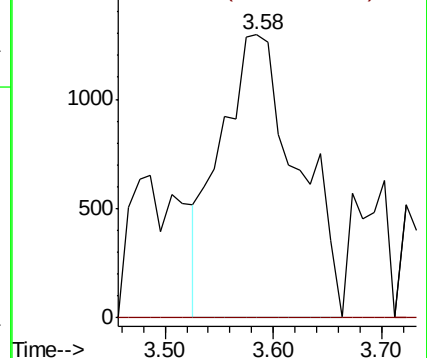
43 100

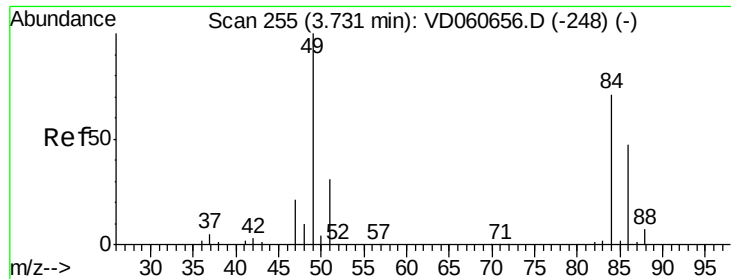
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

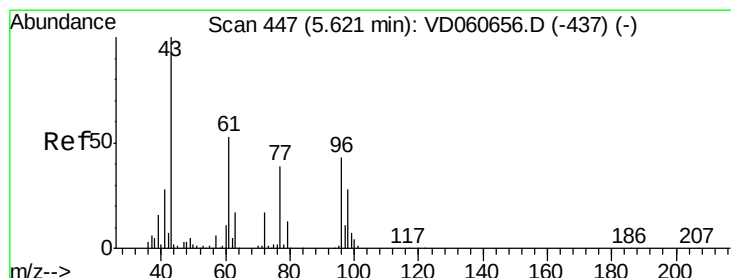
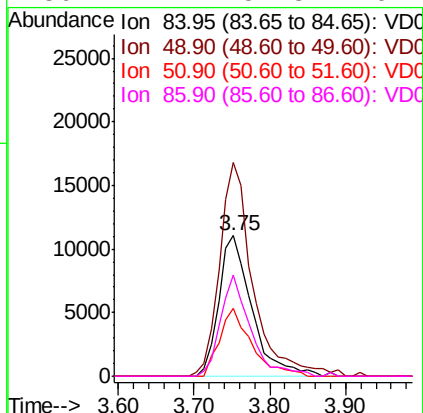
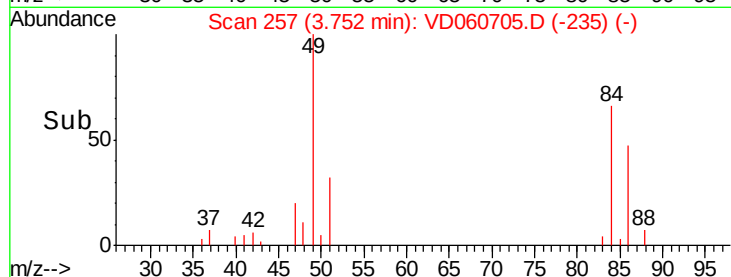
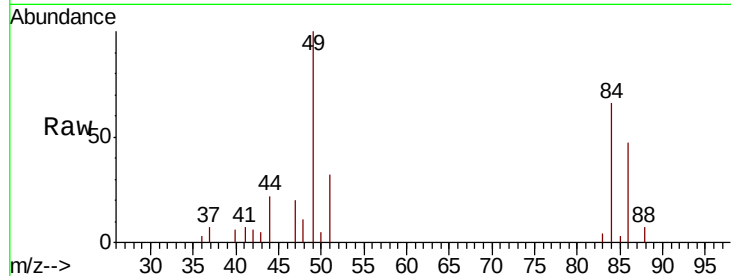




#20
Methvlene Chloride
Concen: 1.897 ug/l
RT: 3.75 min Scan# 257
Delta R.T. 0.02 min
Lab File: VD060705.D
Acq: 22 Dec 2018 13:34

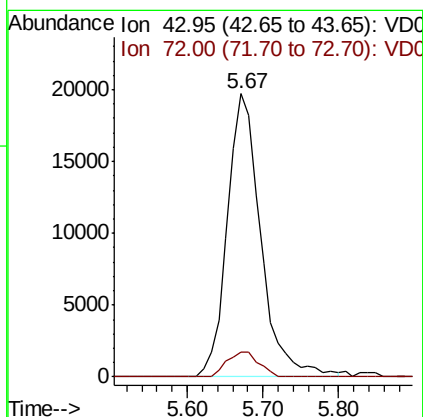
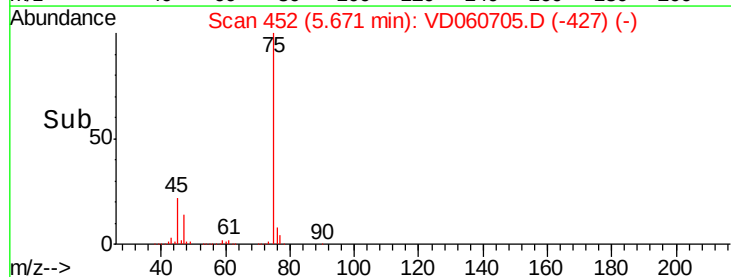
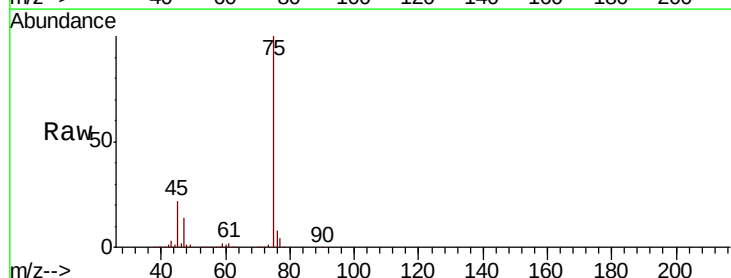
Instrument :
MSVOA_D
ClientSampleId :
S-2(5)

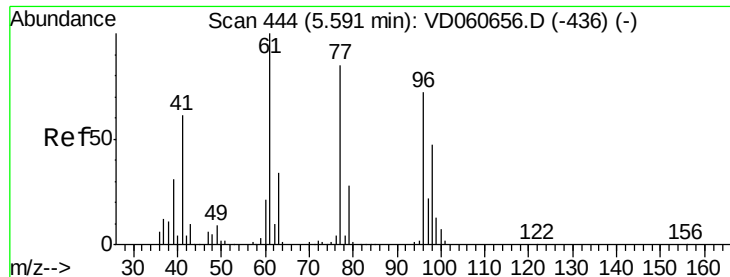
Tot Ion: 84 Resp: 33442
Ion Ratio Lower Upper
84 100
49 151.8 113.6 170.4
51 48.7 34.7 52.1
86 71.7 52.8 79.2



#25
2-Butanone
Concen: 18.559 ug/l
RT: 5.67 min Scan# 452
Delta R.T. 0.05 min
Lab File: VD060705.D
Acq: 22 Dec 2018 13:34

Tgt Ion: 43 Resp: 60288
Ion Ratio Lower Upper
43 100
72 8.7 13.7 20.5#

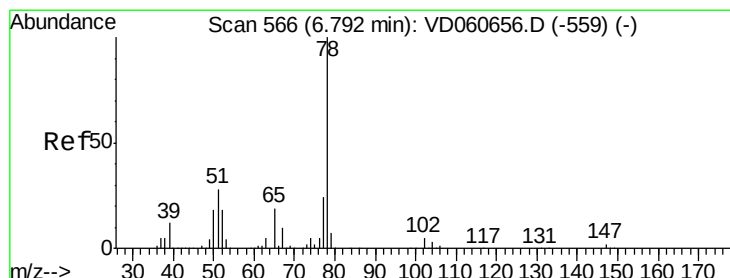
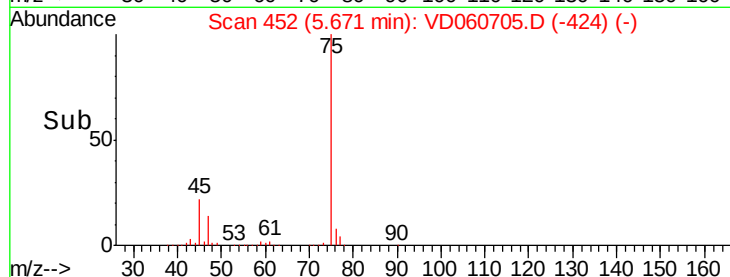
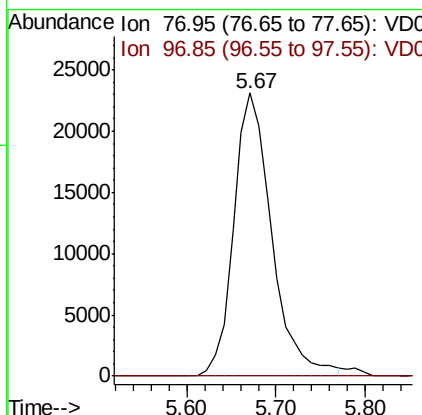
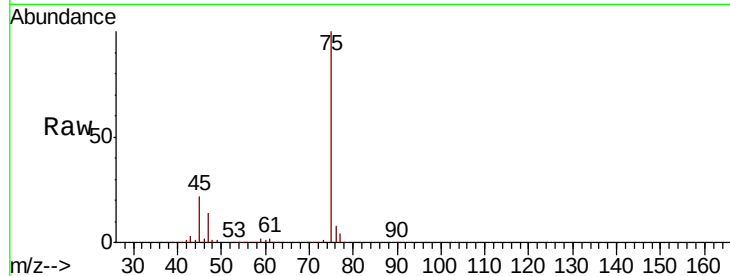




#26
 2,2-Dichloropropane
 Concen: 3.407 ug/l
 RT: 5.67 min Scan# 452
 Delta R.T. 0.08 min
 Lab File: VD060705.D
 Acq: 22 Dec 2018 13:34

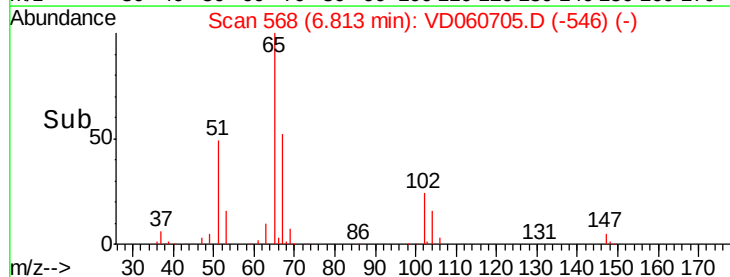
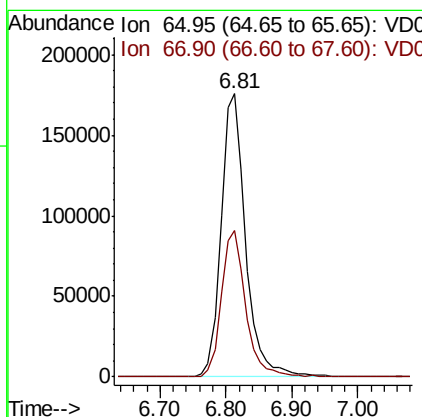
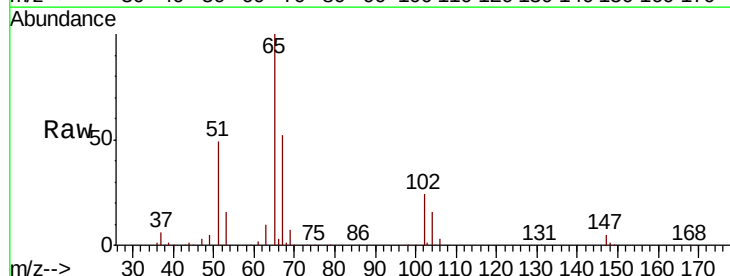
Instrument :
 MSVOA_D
 ClientSampled :
 S-2(5)

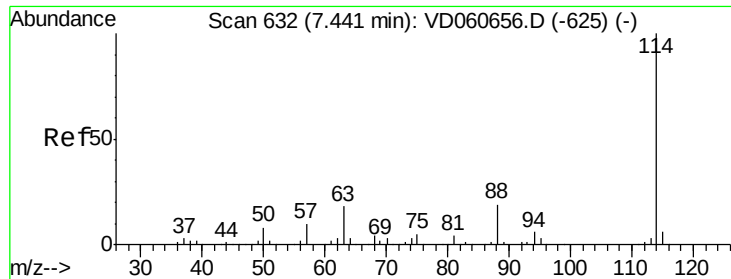
Tot Ion: 77 Resp: 68615
 Ion Ratio Lower Upper
 77 100
 97 0.0 13.0 39.0#



#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.81 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: VD060705.D
 Acq: 22 Dec 2018 13:34

Tgt Ion: 65 Resp: 455904
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.4

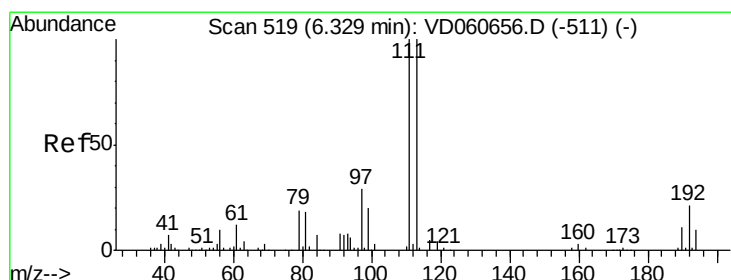
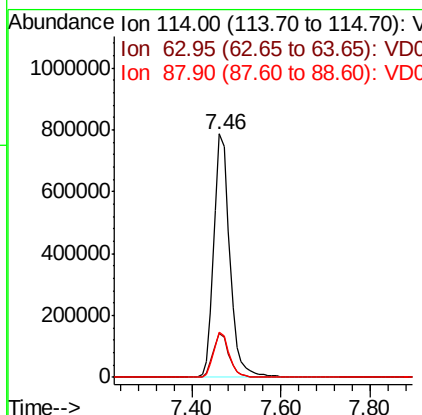
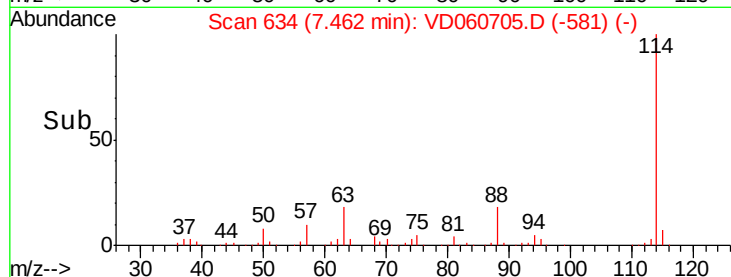
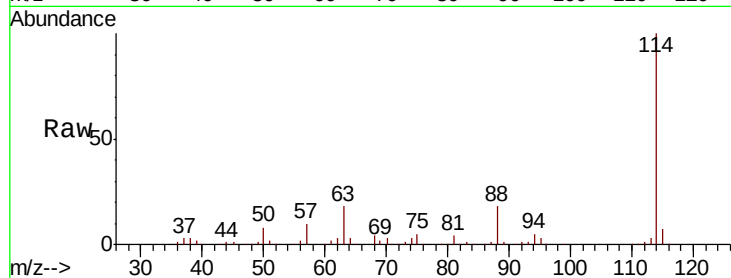




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 634
 Delta R.T. 0.02 min
 Lab File: VD060705.D
 Acq: 22 Dec 2018 13:34

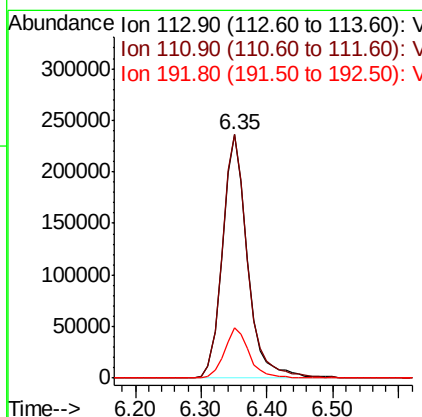
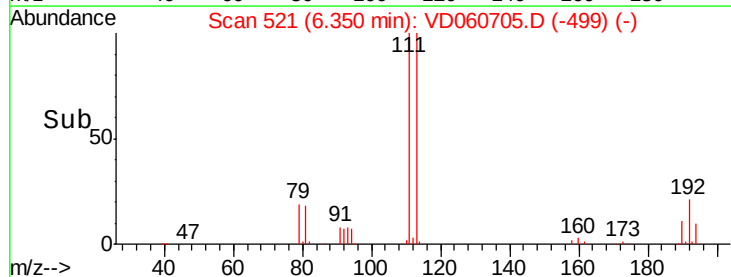
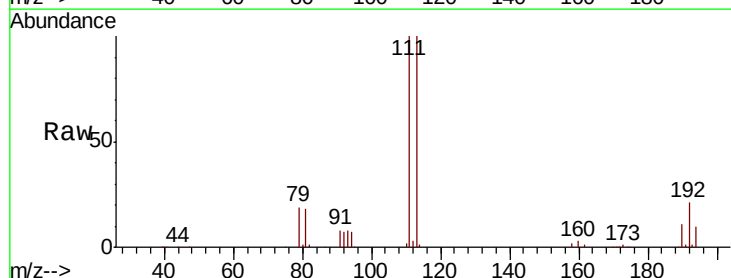
Instrument :
 MSVOA_D
 ClientSampled :
 S-2(5)

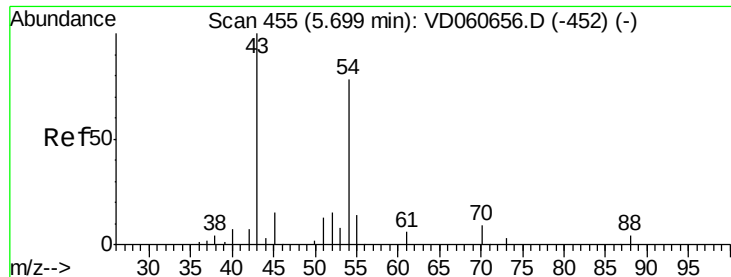
Tot Ion:114 Resp: 1955399
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.2
 88 18.5 0.0 37.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.35 min Scan# 521
 Delta R.T. 0.02 min
 Lab File: VD060705.D
 Acq: 22 Dec 2018 13:34

Tgt Ion:113 Resp: 625486
 Ion Ratio Lower Upper
 113 100
 111 99.9 80.0 120.0
 192 20.6 16.6 25.0





#37

Ethyl Acetate

Concen: 7.186 ug/l

RT: 5.67 min Scan# 452

Delta R.T. -0.03 min

Lab File: VD060705.D

Acq: 22 Dec 2018 13:34

Instrument :

MSVOA_D

ClientSampled :

S-2(5)

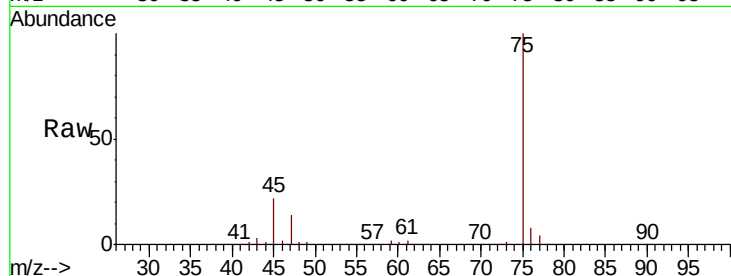
Tot Ion: 43 Resp: 60515

Ion Ratio Lower Upper

43 100

61 66.8 11.8 17.6#

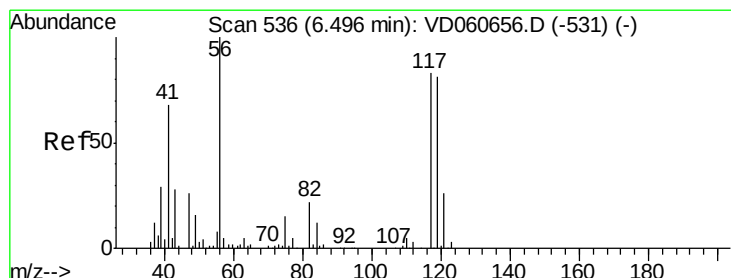
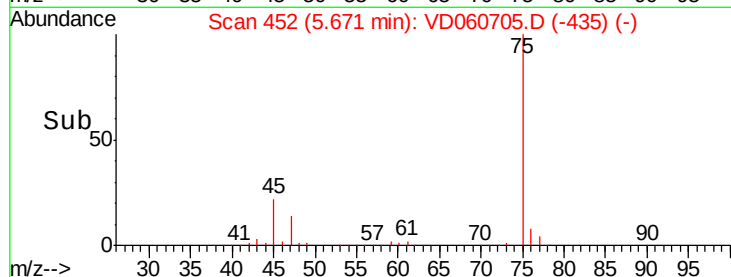
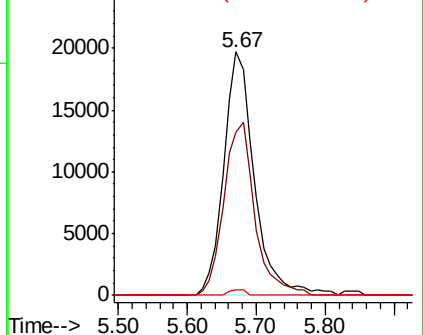
70 2.1 5.8 8.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 6.098 ug/l

RT: 6.43 min Scan# 529

Delta R.T. -0.07 min

Lab File: VD060705.D

Acq: 22 Dec 2018 13:34

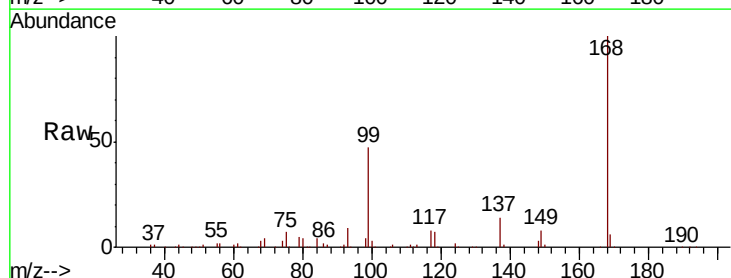
Tgt Ion: 117 Resp: 108325

Ion Ratio Lower Upper

117 100

119 4.6 77.0 115.4#

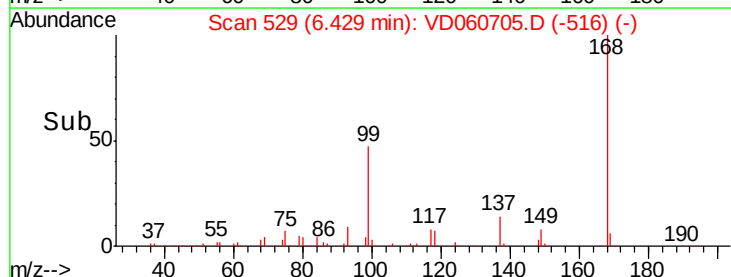
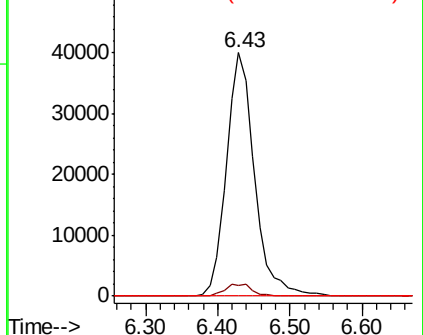
121 0.0 24.7 37.1#

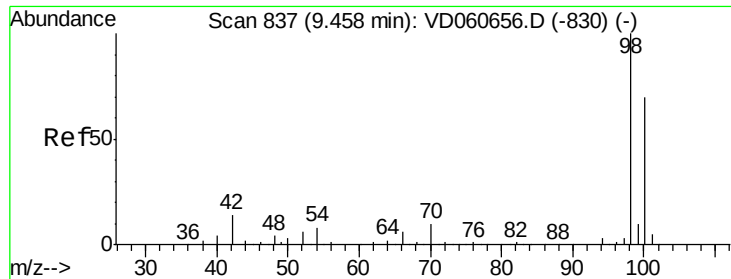


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

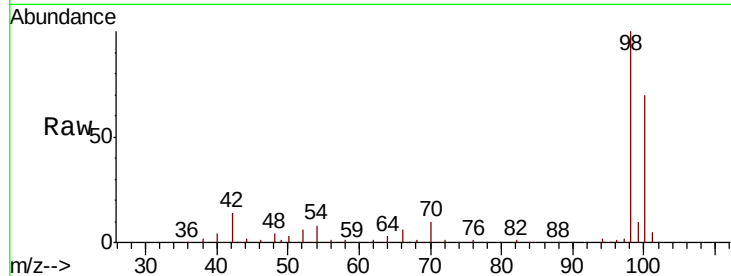




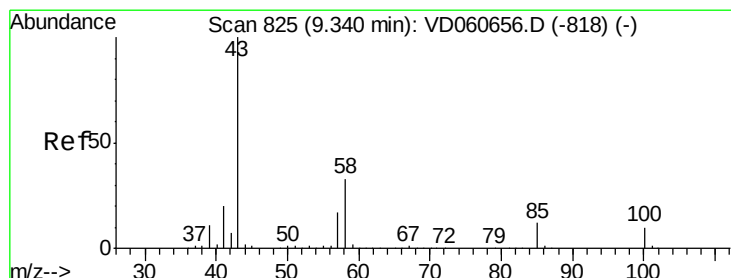
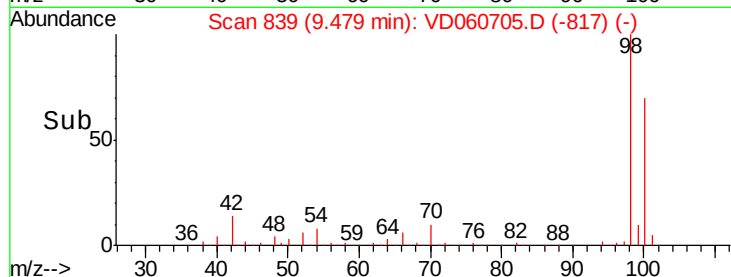
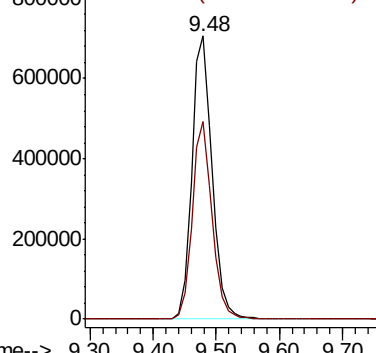
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.48 min Scan# 839
Delta R.T. 0.02 min
Lab File: VD060705.D
Acq: 22 Dec 2018 13:34

Instrument :
MSVOA_D
ClientSampleId :
S-2(5)

Tot Ion: 98 Resp: 1580350
Ion Ratio Lower Upper
98 100
100 70.0 55.8 83.8

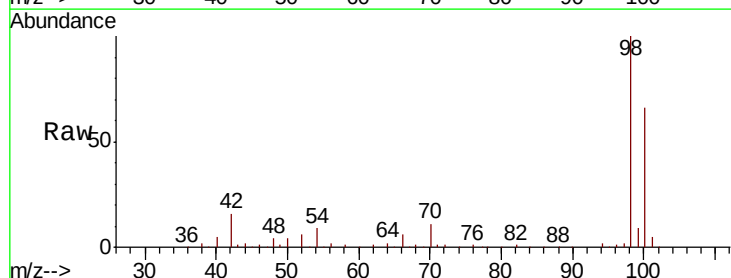


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

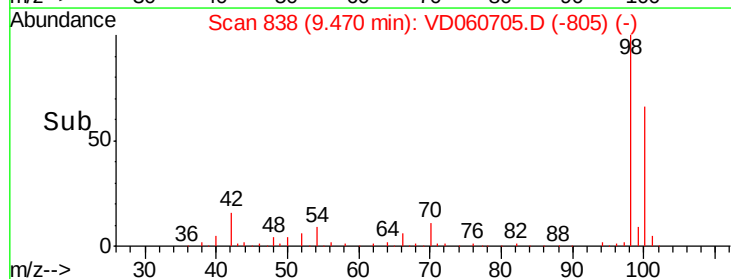
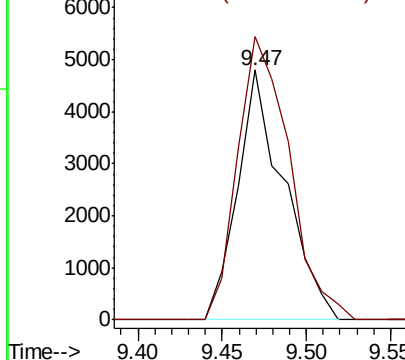


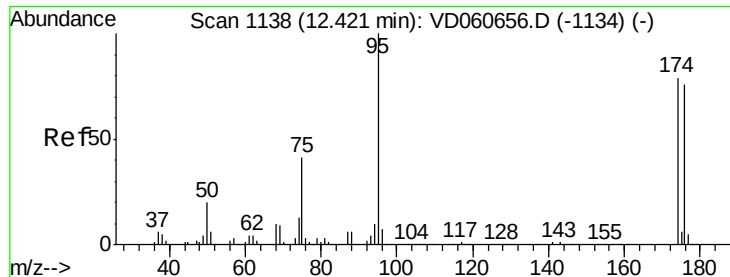
#51
4-Methyl-2-Pentanone
Concen: 1.388 ug/l
RT: 9.47 min Scan# 838
Delta R.T. 0.13 min
Lab File: VD060705.D
Acq: 22 Dec 2018 13:34

Tgt Ion: 43 Resp: 9191
Ion Ratio Lower Upper
43 100
58 113.2 26.3 39.5#



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.44 min Scan# 1140

Delta R.T. 0.02 min

Lab File: VD060705.D

Acq: 22 Dec 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

S-2(5)

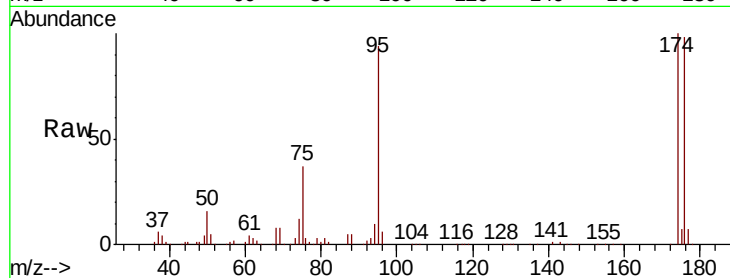
Tot Ion: 95 Resp: 437767

Ion Ratio Lower Upper

95 100

174 106.6 0.0 158.2

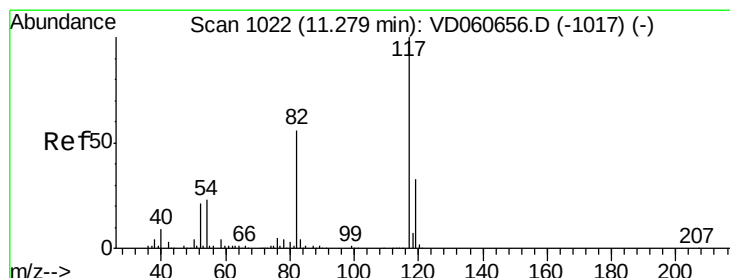
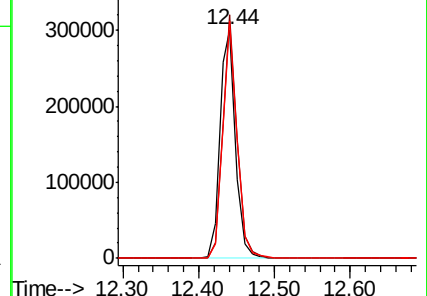
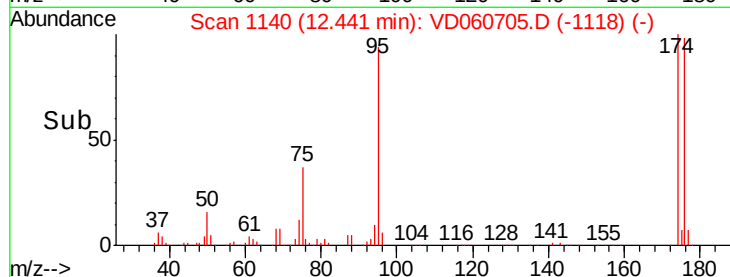
176 104.0 0.0 152.4



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: 11.30 min Scan# 1024

Delta R.T. 0.02 min

Lab File: VD060705.D

Acq: 22 Dec 2018 13:34

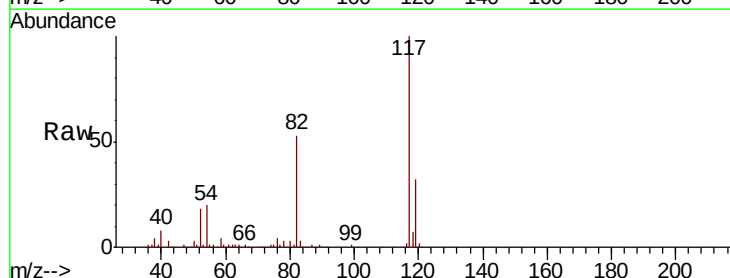
Tgt Ion: 117 Resp: 1358722

Ion Ratio Lower Upper

117 100

82 52.7 44.5 66.7

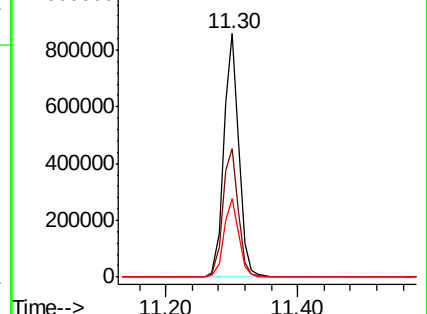
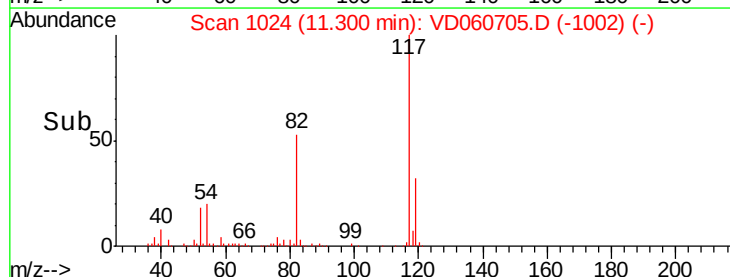
119 32.3 26.3 39.5

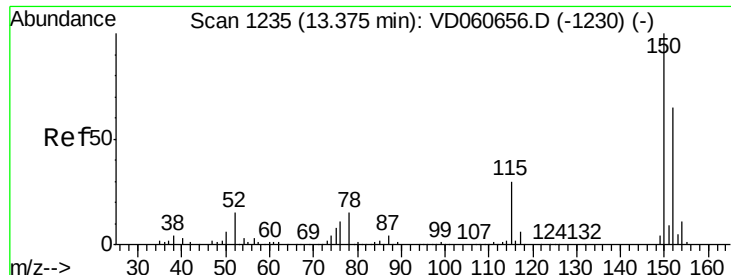


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.39 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VD060705.D

Acq: 22 Dec 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

S-2(5)

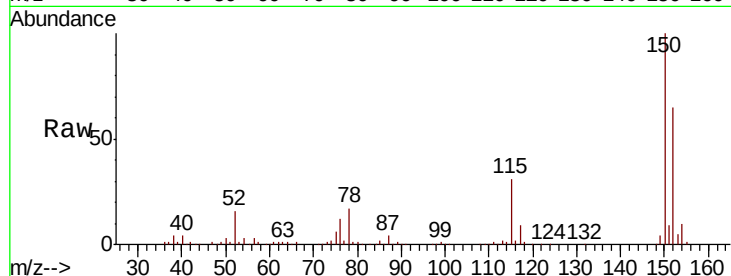
Tot Ion:152 Resp: 474535

Ion Ratio Lower Upper

152 100

115 47.4 24.1 72.3

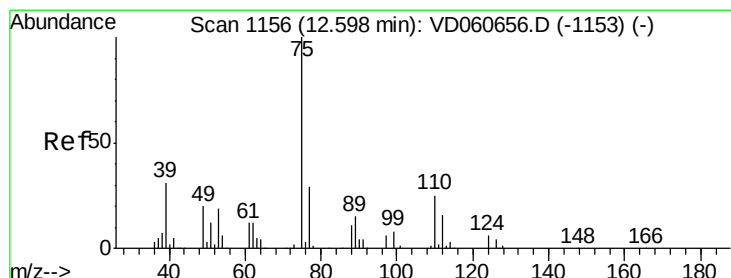
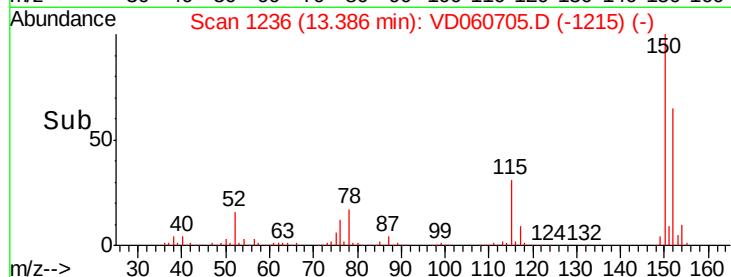
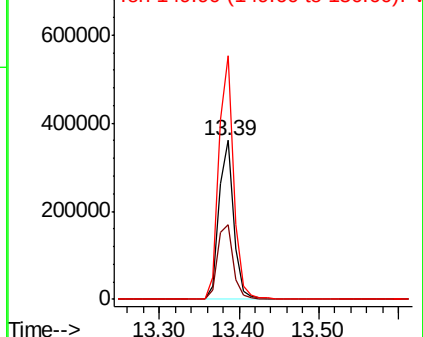
150 153.6 0.0 315.0



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



#76

1,2,3-Trichloropropane

Concen: 29.999 ug/l

RT: 12.44 min Scan# 1140

Delta R.T. -0.16 min

Lab File: VD060705.D

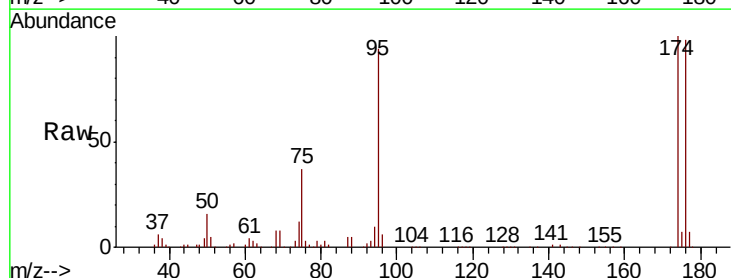
Acq: 22 Dec 2018 13:34

Tgt Ion: 75 Resp: 162072

Ion Ratio Lower Upper

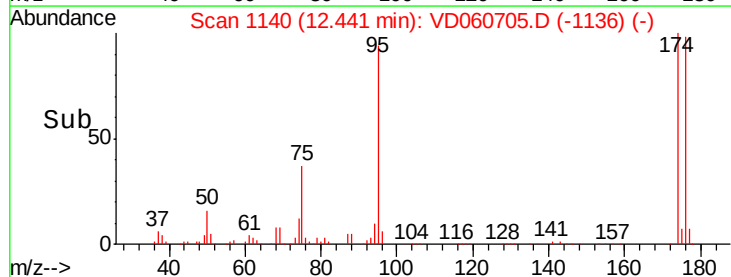
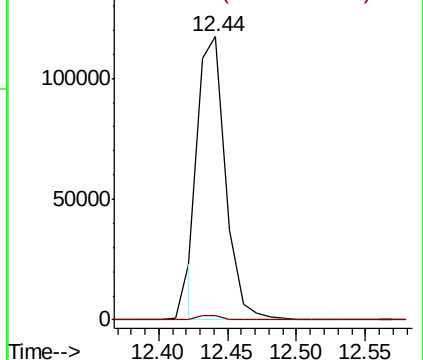
75 100

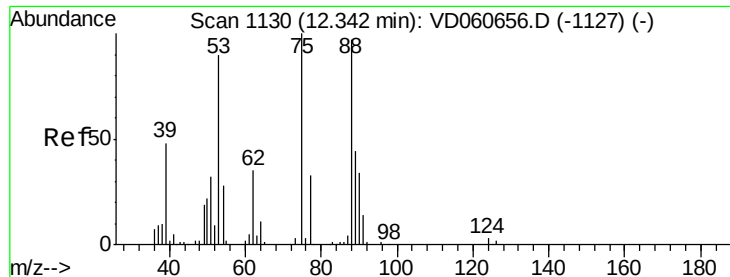
77 1.7 16.7 50.0#



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: 117.865 ug/l

RT: 12.44 min Scan# 1140

Delta R.T. 0.10 min

Lab File: VD060705.D

Acq: 22 Dec 2018 13:34

Instrument :

MSVOA_D

ClientSampleId :

S-2(5)

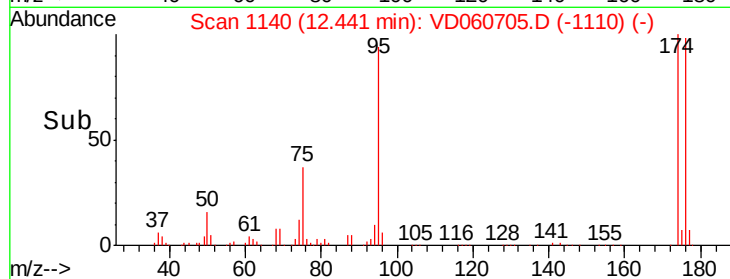
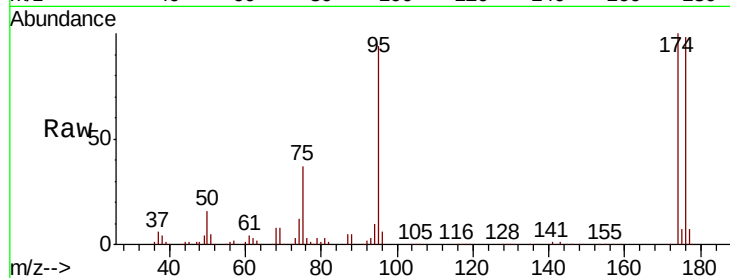
Tot Ion: 75 Resp: 175954

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

