

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\
 Data File : VD059775.D
 Acq On : 14 Aug 2018 19:11
 Operator : VA/AP
 Sample : J4447-16RE
 Misc : 4.10g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 10:51:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	247717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	320809	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	251514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	120766	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	146869	37.88	ug/l	0.00
Spiked Amount			Recovery	=	75.76%	
35) Dibromofluoromethane	5.54	113	132271	40.04	ug/l	0.00
Spiked Amount			Recovery	=	80.08%	
50) Toluene-d8	8.70	98	291430	44.48	ug/l	0.00
Spiked Amount			Recovery	=	88.96%	
62) 4-Bromofluorobenzene	11.93	95	116863	35.56	ug/l	0.00
Spiked Amount			Recovery	=	71.12%	

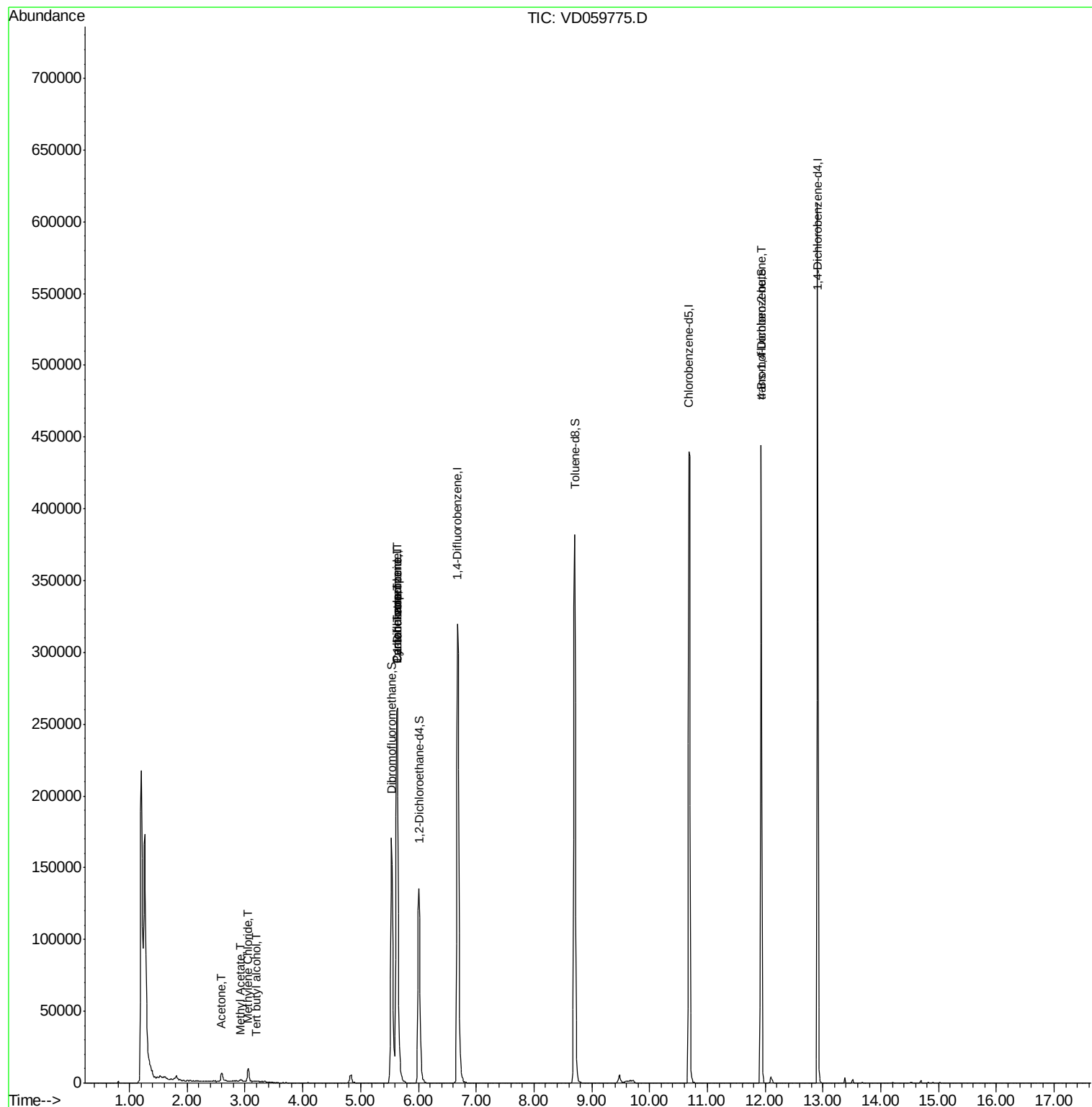
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.17	59	193	1.436	ug/l #	75
16) Acetone	2.59	43	12187	19.241	ug/l #	92
18) Methyl Acetate	2.93	43	2758	2.548	ug/l #	64
20) Methylene Chloride	3.06	84	3312	1.811	ug/l	96
31) Cyclohexane	5.63	56	6391	2.558	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	21905	5.883	ug/l #	55
38) Carbon Tetrachloride	5.62	117	23154	3.952	ug/l #	11
81) trans-1,4-Dichloro-2-buten	11.93	75	60300	149.859	ug/l #	1

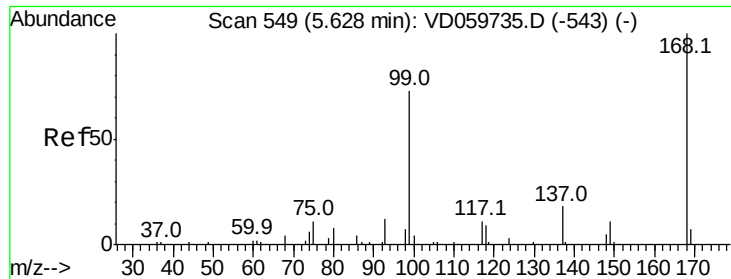
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 11 05:42:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD059775.D

Acq: 14 Aug 2018 19:11

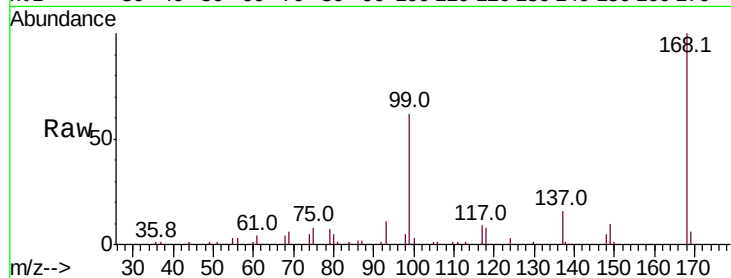
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 247717

Ion Ratio Lower Upper

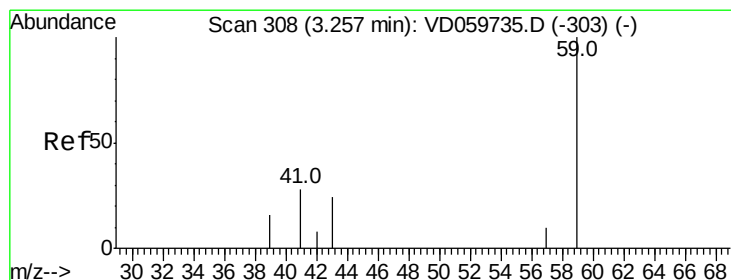
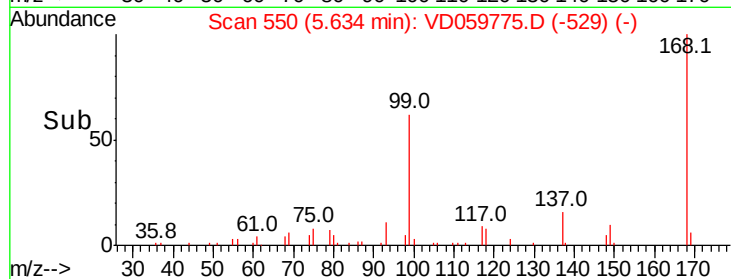
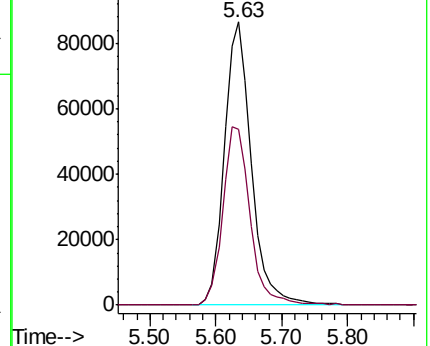
168 100

99 62.2 61.4 92.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.436 ug/l

RT: 3.17 min Scan# 300

Delta R.T. -0.08 min

Lab File: VD059775.D

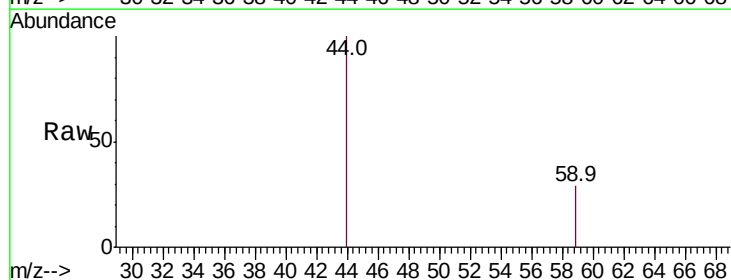
Acq: 14 Aug 2018 19:11

Tgt Ion: 59 Resp: 193

Ion Ratio Lower Upper

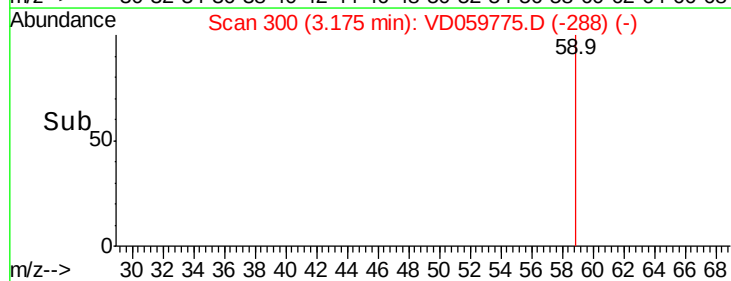
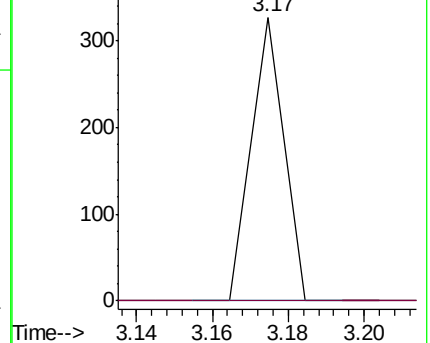
59 100

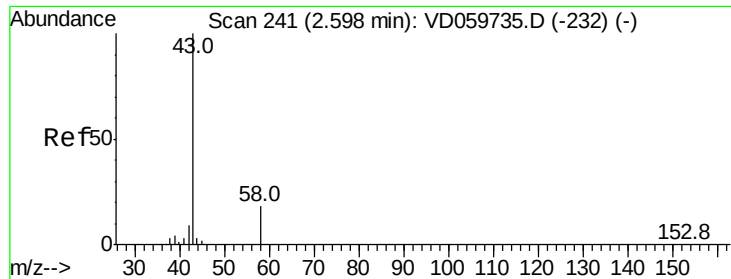
57 0.0 7.3 10.9#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 19.241 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD059775.D

Acq: 14 Aug 2018 19:11

Instrument :

MSVOA_D

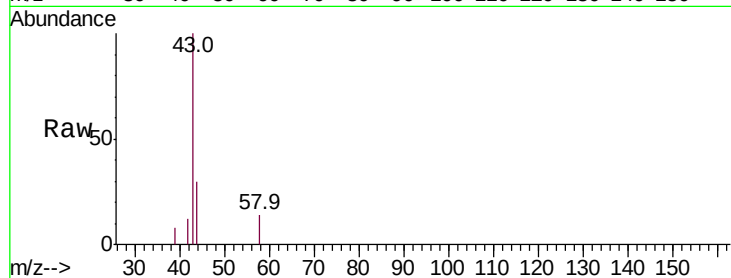
ClientSampleId :

Tot Ion: 43 Resp: 12187

Ion Ratio Lower Upper

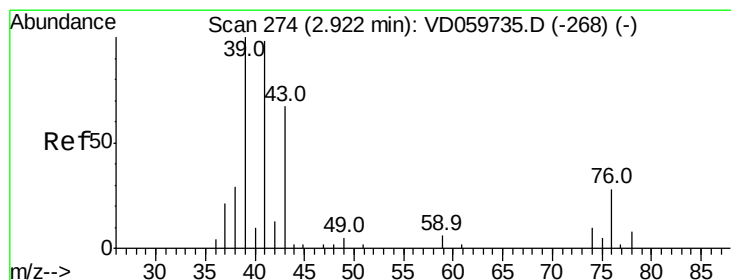
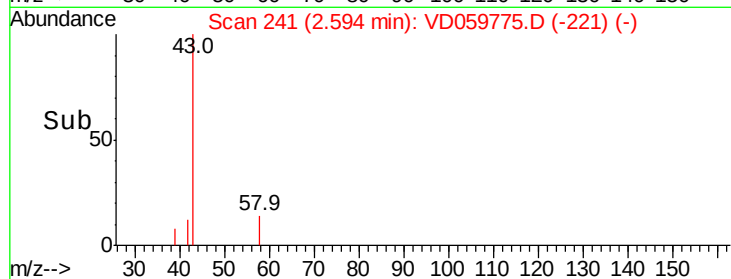
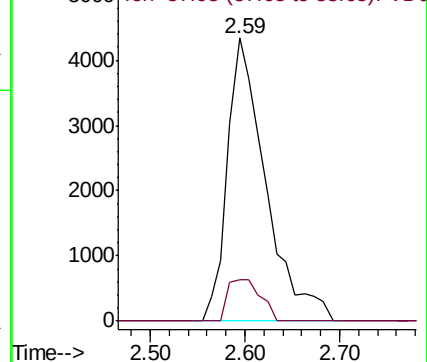
43 100

58 14.4 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 2.548 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.01 min

Lab File: VD059775.D

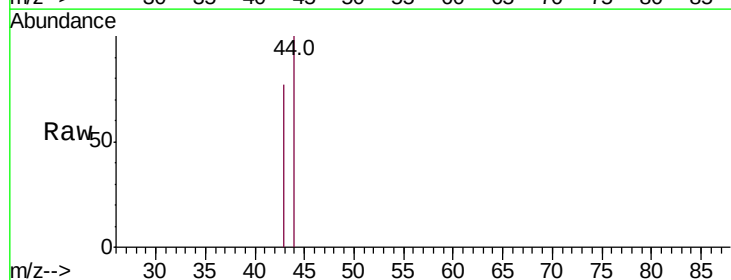
Acq: 14 Aug 2018 19:11

Tgt Ion: 43 Resp: 2758

Ion Ratio Lower Upper

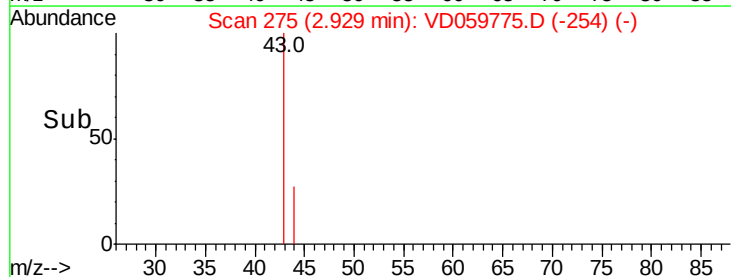
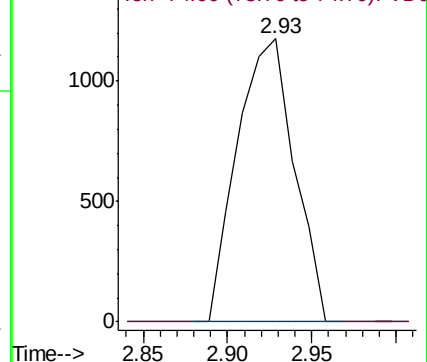
43 100

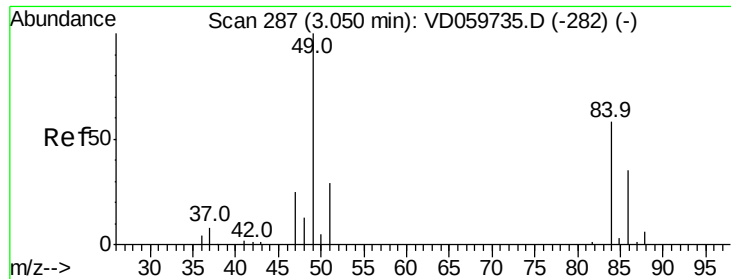
74 0.0 12.1 18.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methylene Chloride

Concen: 1.811 ug/l

RT: 3.06 min Scan# 288

Delta R.T. 0.01 min

Lab File: VD059775.D

Acq: 14 Aug 2018 19:11

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 3312

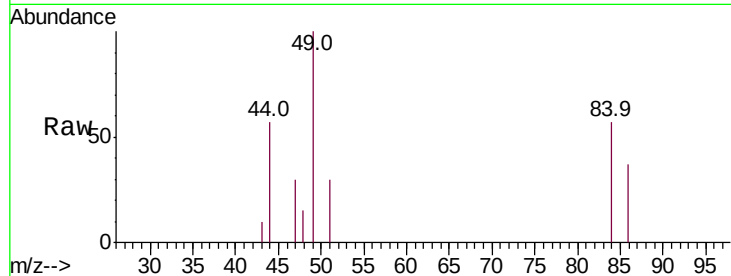
Ion Ratio Lower Upper

84 100

49 176.9 138.9 208.3

51 53.7 40.2 60.2

86 66.3 49.1 73.7

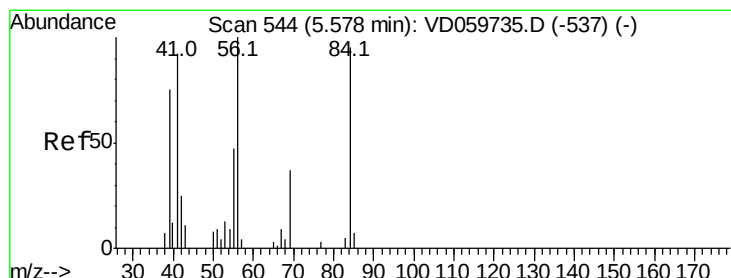
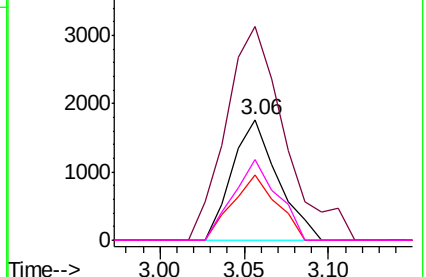
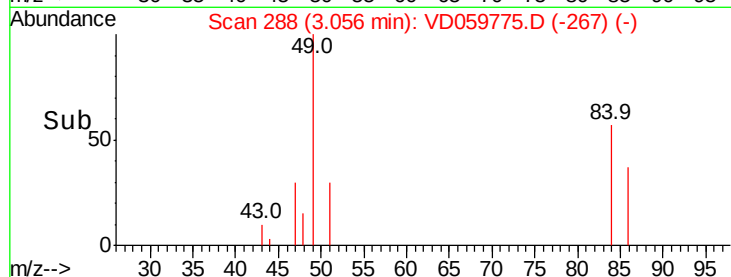


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#31

Cyclohexane

Concen: 2.558 ug/l

RT: 5.63 min Scan# 550

Delta R.T. 0.06 min

Lab File: VD059775.D

Acq: 14 Aug 2018 19:11

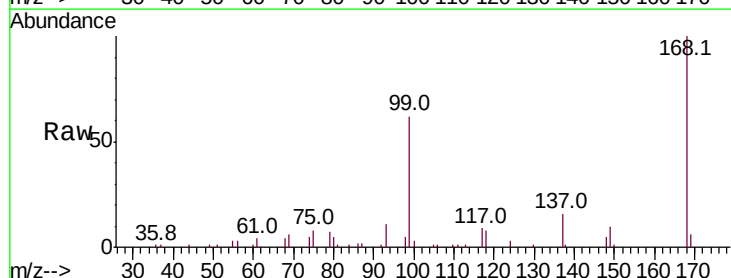
Tgt Ion: 56 Resp: 6391

Ion Ratio Lower Upper

56 100

69 205.2 29.3 43.9#

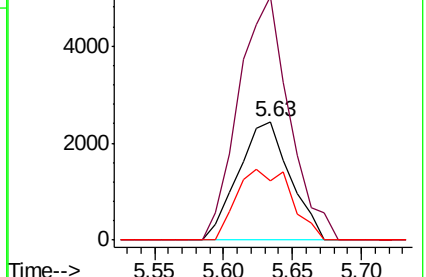
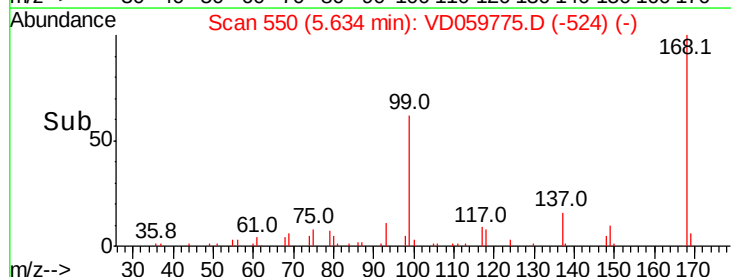
84 50.3 76.2 114.2#

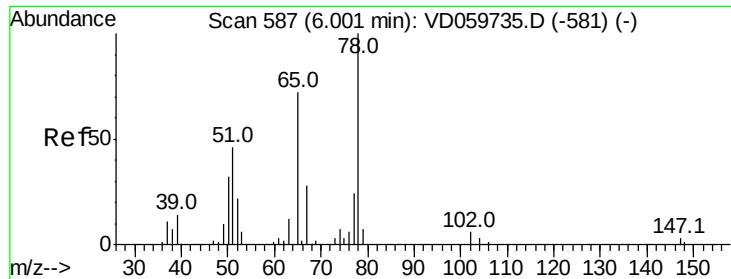


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

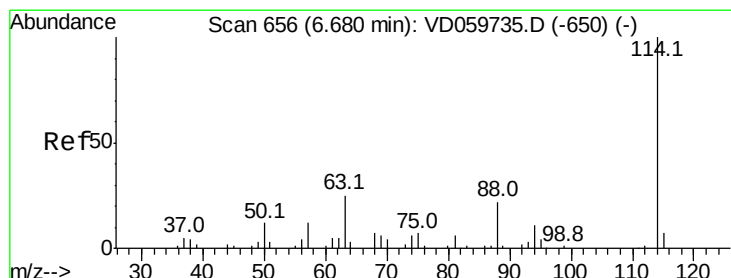
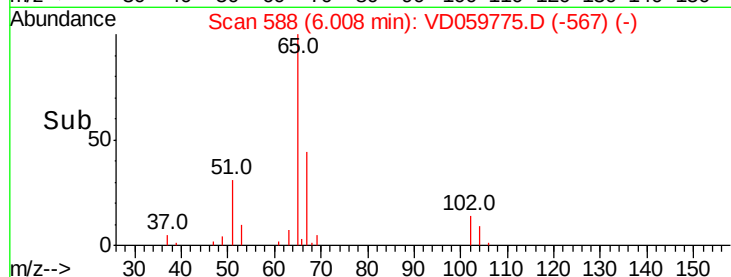
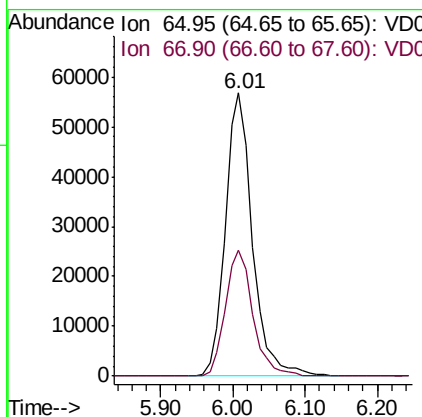
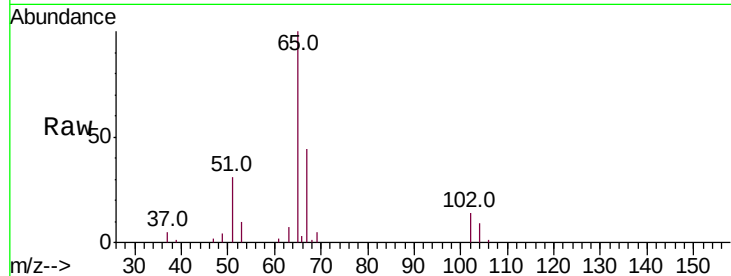




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD059775.D
 Acq: 14 Aug 2018 19:11

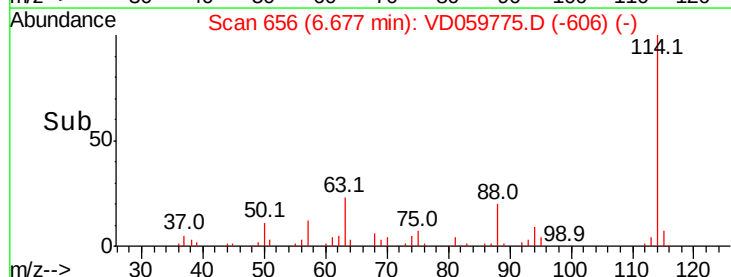
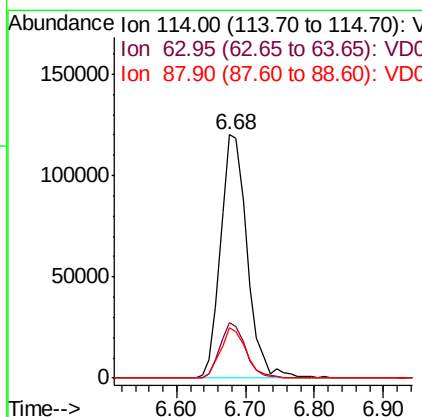
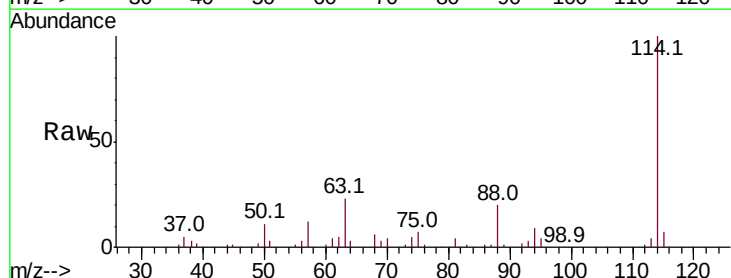
Instrument :
 MSVOA_D
 ClientSampleId :

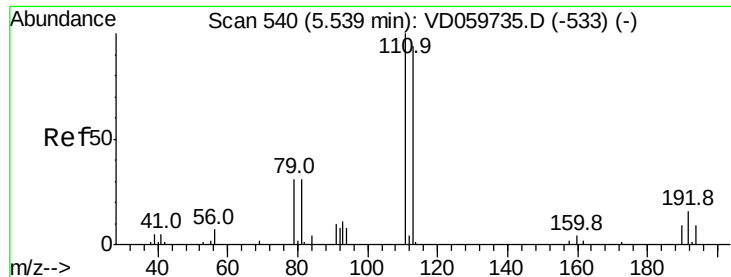
Tot Ion: 65 Resp: 146869
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 77.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD059775.D
 Acq: 14 Aug 2018 19:11

Tgt Ion: 114 Resp: 320809
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 50.6
 88 20.4 0.0 43.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.00 min

Lab File: VD059775.D

Acq: 14 Aug 2018 19:11

Instrument :
MSVOA_D
ClientSampleId :

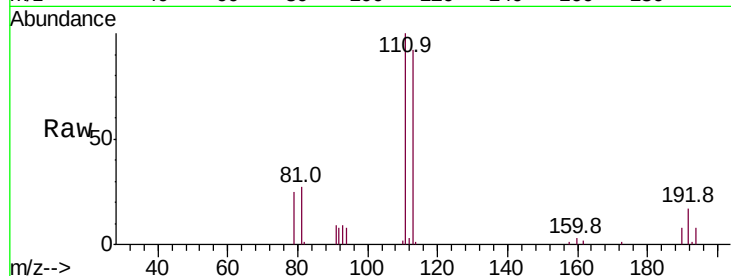
Tot Ion:113 Resp: 132271

Ion Ratio Lower Upper

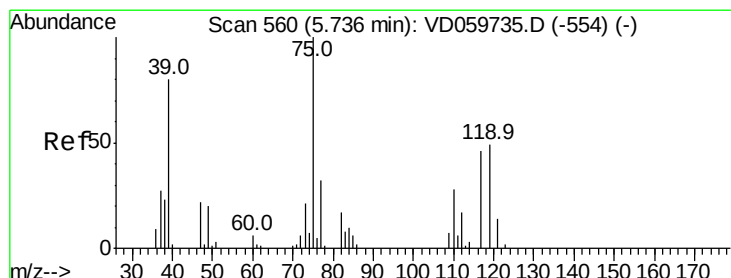
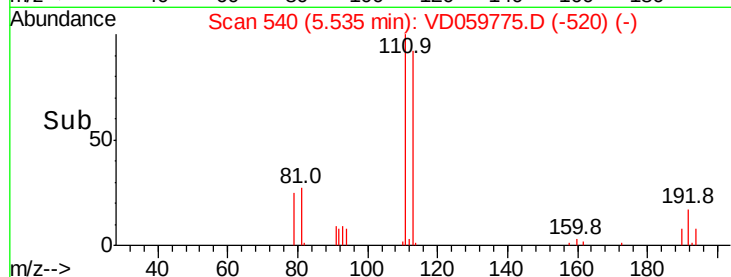
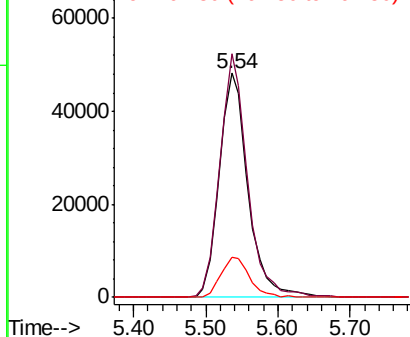
113 100

111 108.8 85.3 127.9

192 18.2 13.9 20.9



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: 5.883 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.11 min

Lab File: VD059775.D

Acq: 14 Aug 2018 19:11

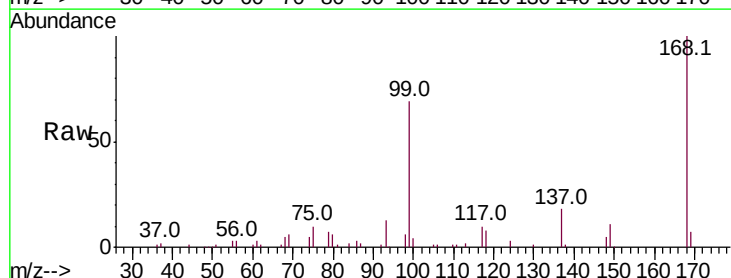
Tgt Ion: 75 Resp: 21905

Ion Ratio Lower Upper

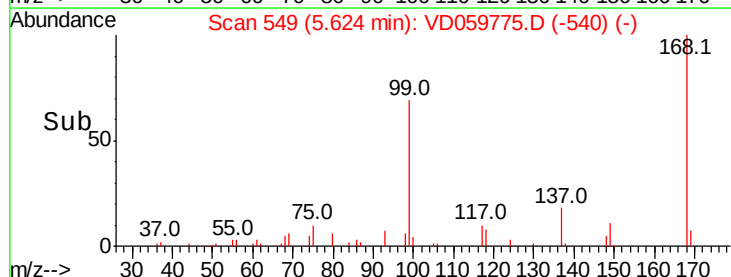
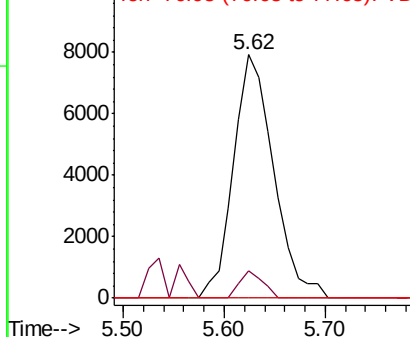
75 100

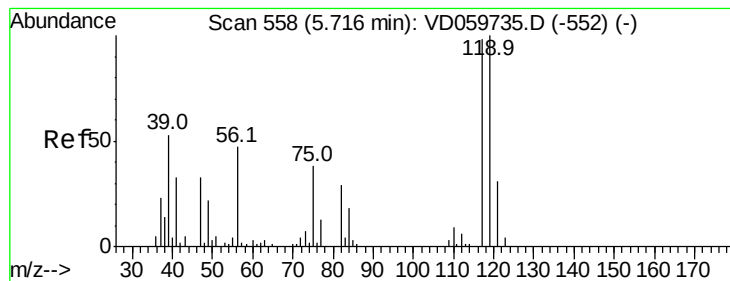
110 11.2 13.7 41.0#

77 0.0 25.4 38.2#



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





#38

Carbon Tetrachloride

Concen: 3.952 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.09 min

Lab File: VD059775.D

Acq: 14 Aug 2018 19:11

Instrument :

MSVOA_D

ClientSampleId :

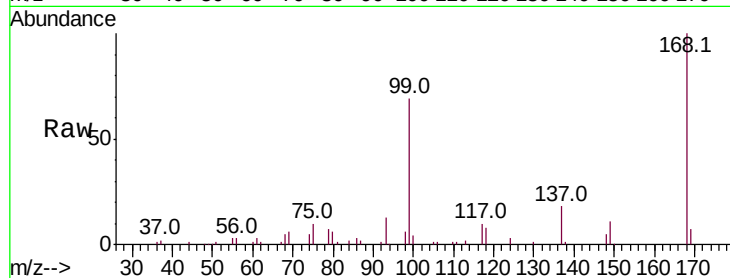
Tot Ion:117 Resp: 23154

Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

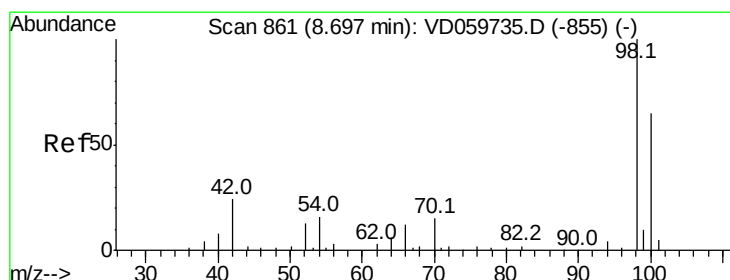
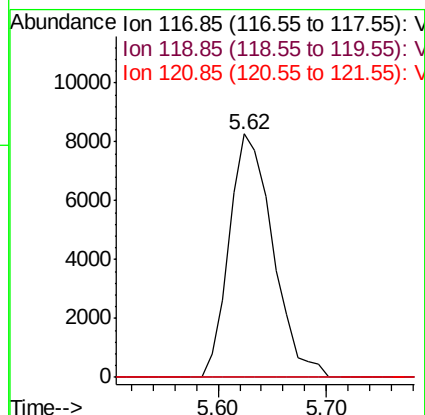
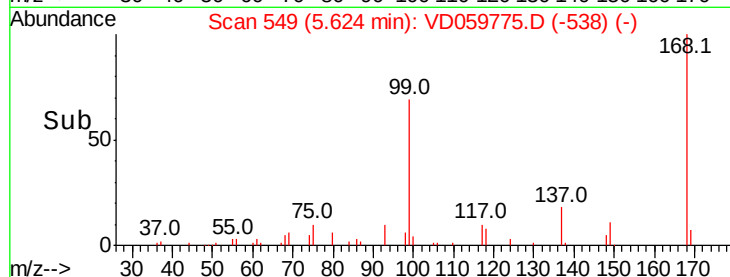
121 0.0 23.9 35.9#



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: N.D. ug/l

RT: 8.70 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD059775.D

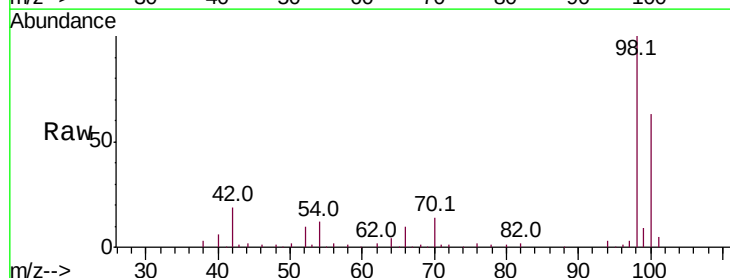
Acq: 14 Aug 2018 19:11

Tgt Ion: 98 Resp: 291430

Ion Ratio Lower Upper

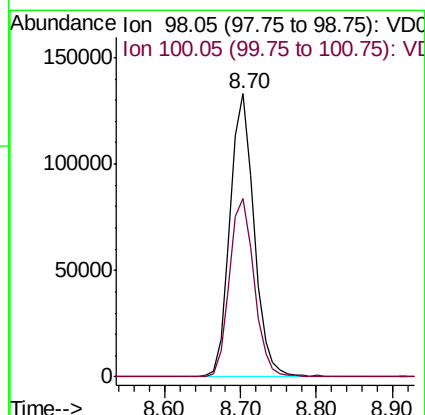
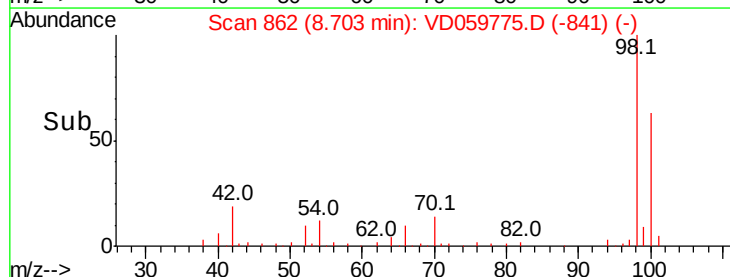
98 100

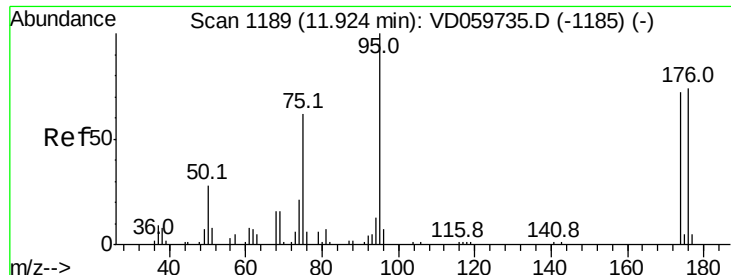
100 63.3 52.2 78.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059775.D

Acq: 14 Aug 2018 19:11

Instrument :

MSVOA_D

ClientSampled :

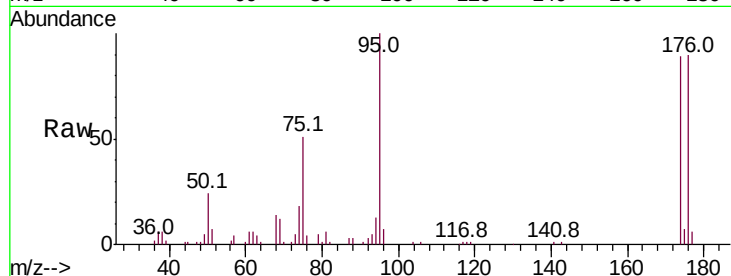
Tot Ion: 95 Resp: 116863

Ion Ratio Lower Upper

95 100

174 88.7 0.0 143.2

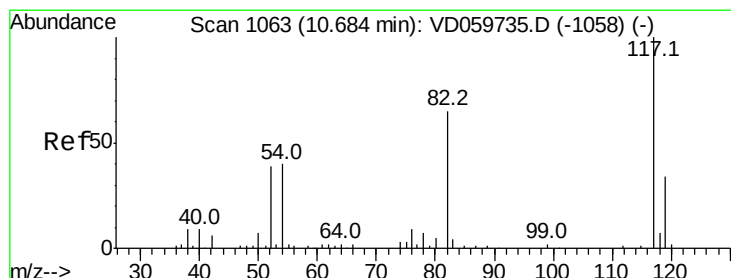
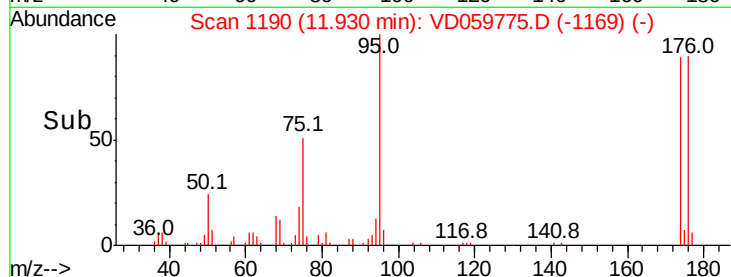
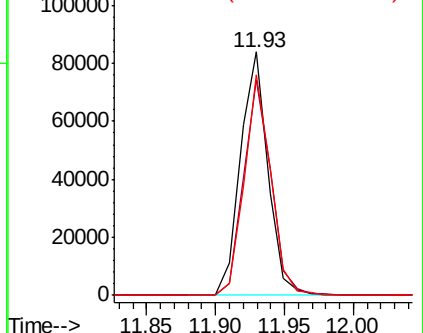
176 90.3 0.0 147.2



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: 10.69 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD059775.D

Acq: 14 Aug 2018 19:11

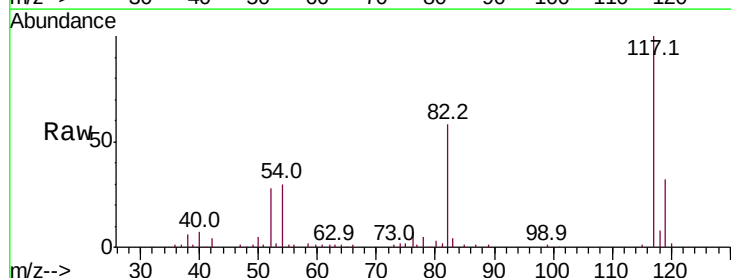
Tgt Ion: 117 Resp: 251514

Ion Ratio Lower Upper

117 100

82 58.2 51.9 77.9

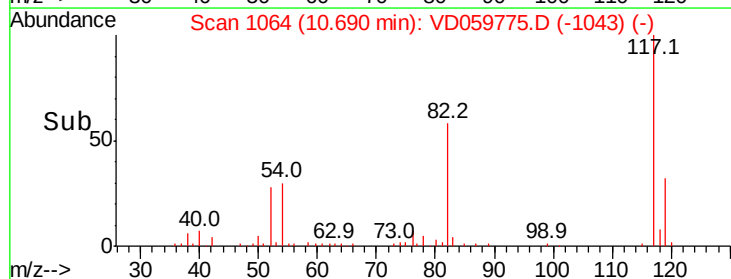
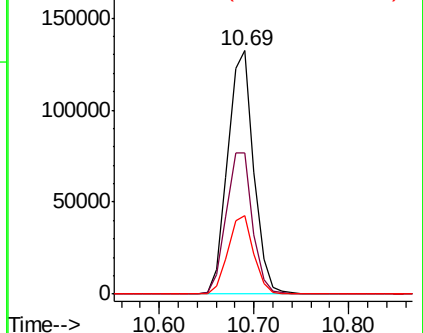
119 32.1 27.4 41.0

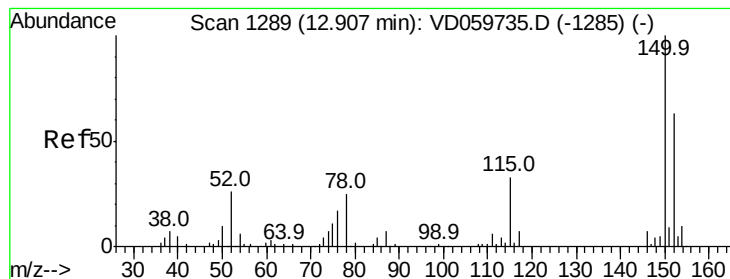


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.90 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059775.D

Acq: 14 Aug 2018 19:11

Instrument :

MSVOA_D

ClientSampleId :

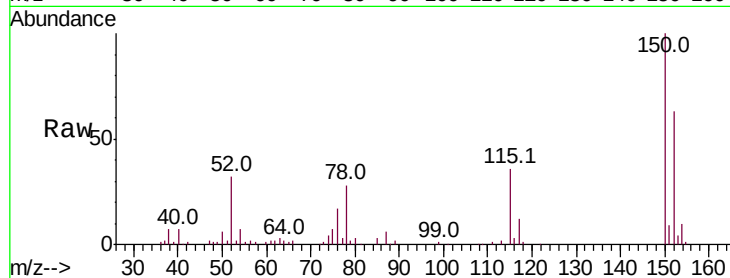
Tot Ion:152 Resp: 120766

Ion Ratio Lower Upper

152 100

115 57.2 29.8 89.3

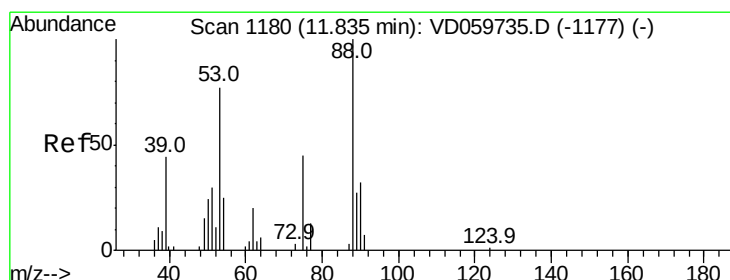
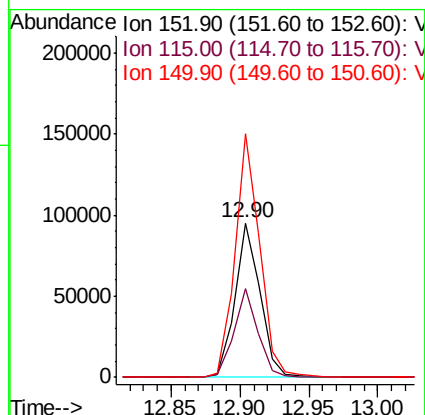
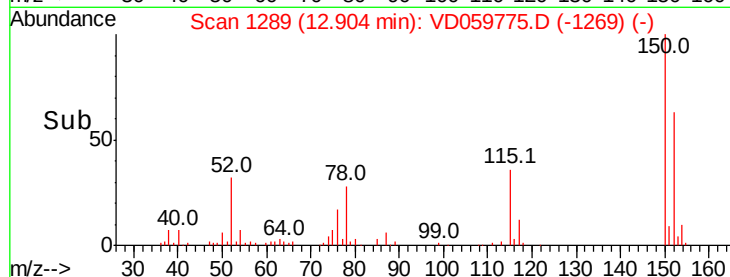
150 157.5 0.0 320.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 149.859 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.09 min

Lab File: VD059775.D

Acq: 14 Aug 2018 19:11

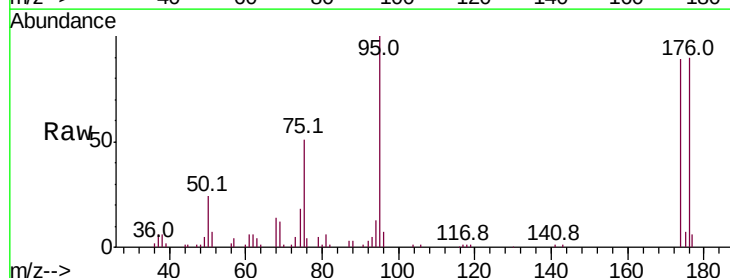
Tgt Ion: 75 Resp: 60300

Ion Ratio Lower Upper

75 100

53 0.0 137.5 206.3#

89 0.0 48.3 72.5#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

