

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081618\
 Data File : VD059820.D
 Acq On : 16 Aug 2018 19:41
 Operator : VA/AP
 Sample : J4501-05
 Misc : 5.01g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 17 05:35:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	238880	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.66	114	295948	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.67	117	225690	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	115253	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	139363	45.41	ug/l	-0.02
Spiked Amount			Recovery	=	90.82%	
35) Dibromofluoromethane	5.52	113	131155	50.85	ug/l	-0.02
Spiked Amount			Recovery	=	101.70%	
50) Toluene-d8	8.69	98	263053	43.06	ug/l	-0.02
Spiked Amount			Recovery	=	86.12%	
62) 4-Bromofluorobenzene	11.92	95	103037	37.65	ug/l	0.00
Spiked Amount			Recovery	=	75.30%	

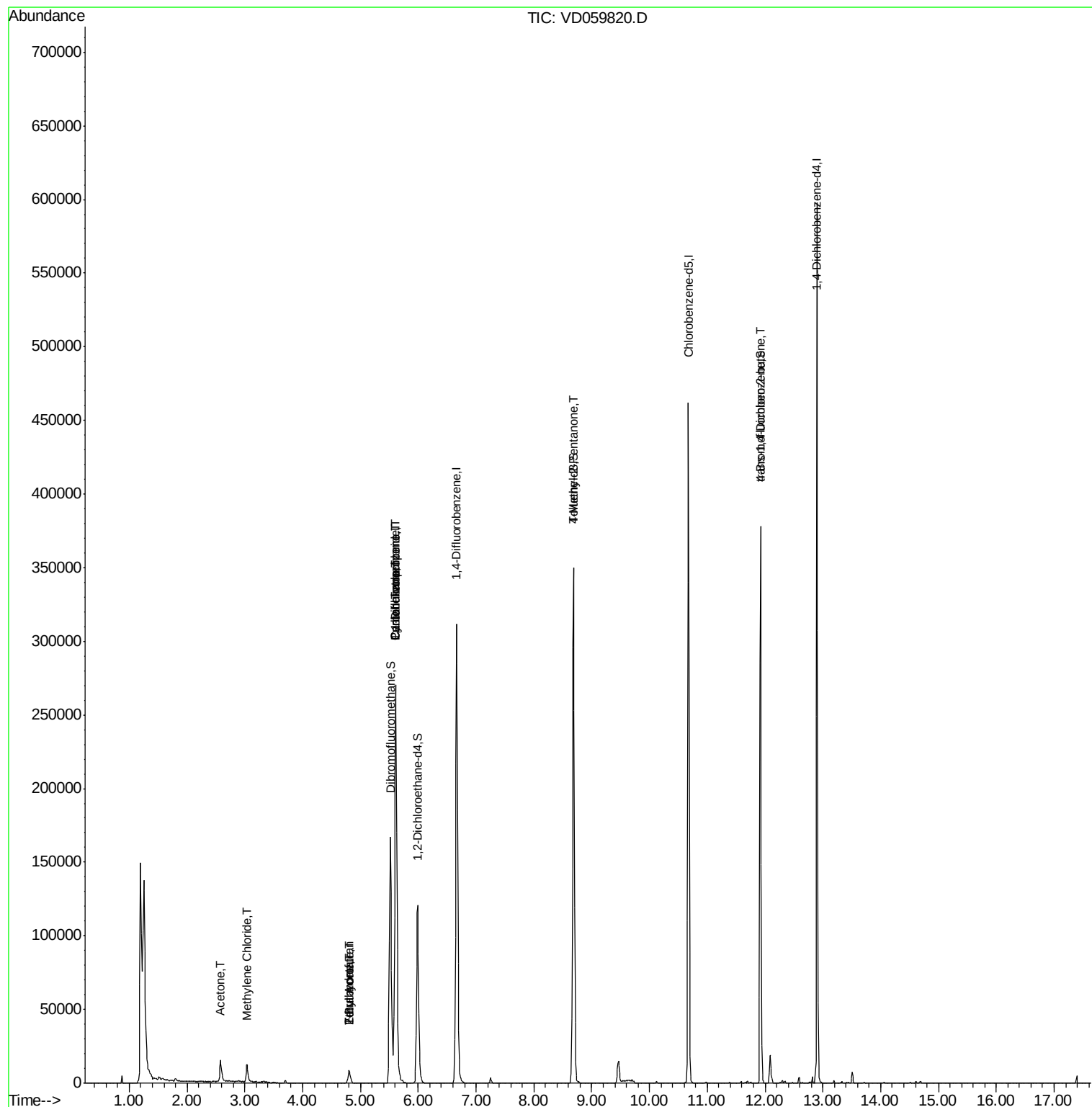
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.58	43	26643	55.005	ug/l	95
20) Methylene Chloride	3.04	84	5770	1.387	ug/l	93
25) 2-Butanone	4.79	43	7017	9.465	ug/l #	85
29) Tetrahydrofuran	4.80	42	391	1.236	ug/l #	1
31) Cyclohexane	5.62	56	6958	2.232	ug/l #	5
36) 1,1-Dichloropropene	5.61	75	21806	7.182	ug/l #	50
37) Ethyl Acetate	4.79	43	7017	4.621	ug/l #	72
38) Carbon Tetrachloride	5.61	117	23483	6.410	ug/l #	13
51) 4-Methyl-2-Pentanone	8.68	43	1583	1.092	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.92	75	53048	138.660	ug/l #	1

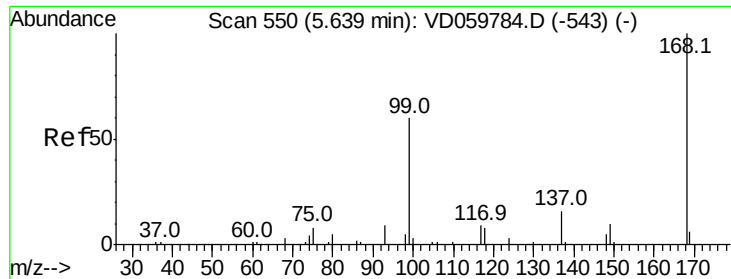
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081618\
Data File : VD059820.D
Acq On : 16 Aug 2018 19:41
Operator : VA/AP
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Misc : 5.01a/5ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
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Quant Time: Aug 17 05:35:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 15 16:08:23 2018
Response via : Initial Calibration

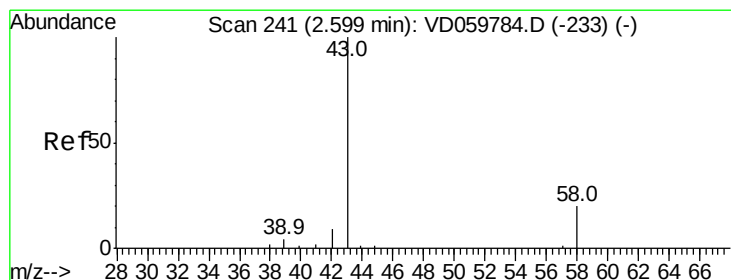
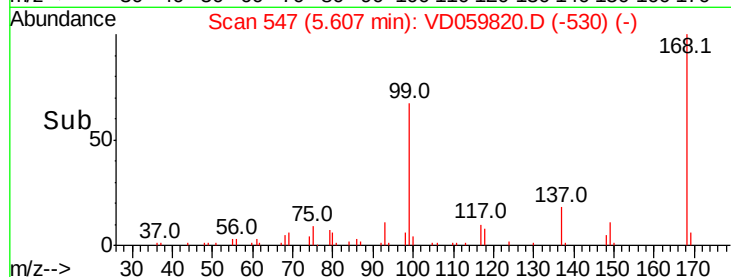
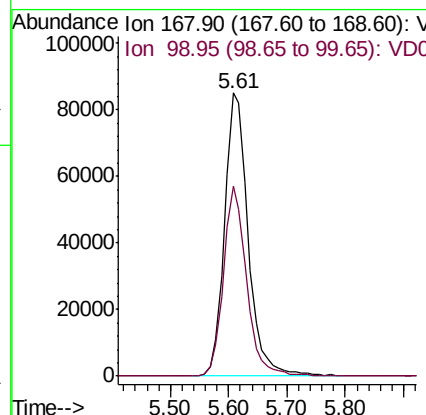
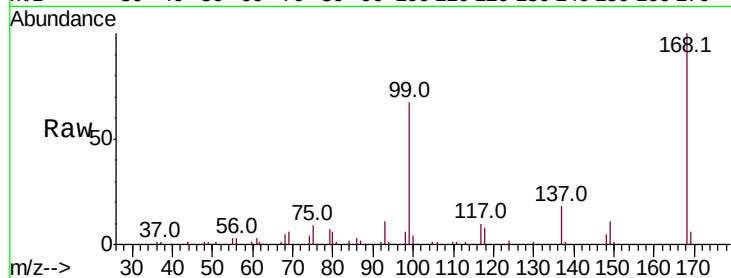




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 547
Delta R.T. -0.03 min
Lab File: VD059820.D
Acq: 16 Aug 2018 19:41

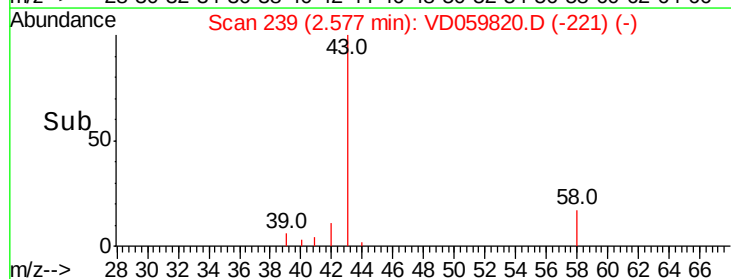
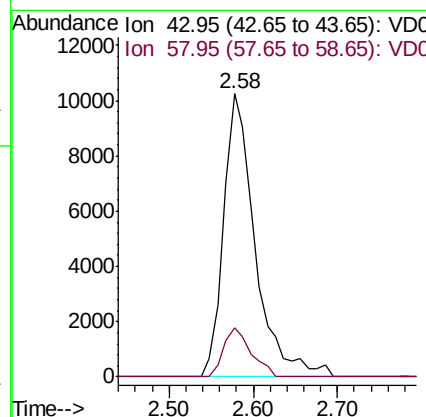
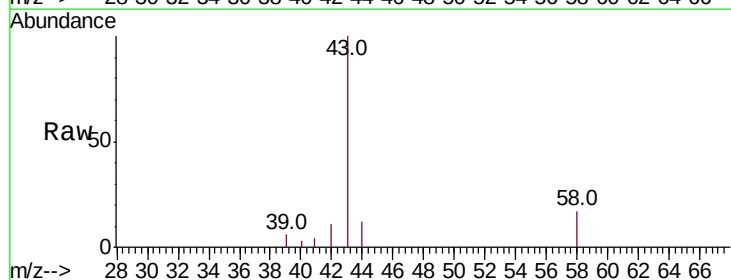
Instrument :
MSVOA_D
ClientSampleId :

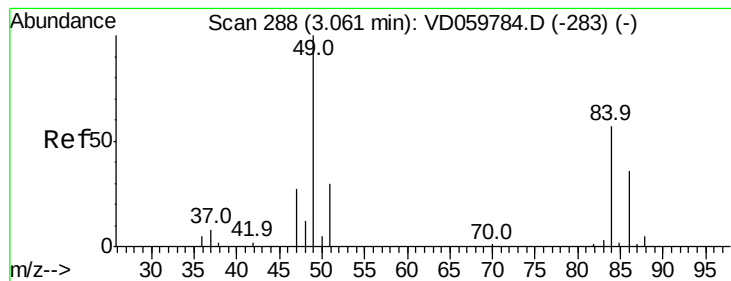
Tot Ion:168 Resp: 238880
Ion Ratio Lower Upper
168 100
99 67.3 50.3 75.5



#16
Acetone
Concen: 55.005 ug/l
RT: 2.58 min Scan# 239
Delta R.T. -0.02 min
Lab File: VD059820.D
Acq: 16 Aug 2018 19:41

Tgt Ion: 43 Resp: 26643
Ion Ratio Lower Upper
43 100
58 17.3 15.7 23.5





#20

Methylene Chloride

Concen: 1.387 ug/l

RT: 3.04 min Scan# 286

Delta R.T. -0.02 min

Lab File: VD059820.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 84 Resp: 5770

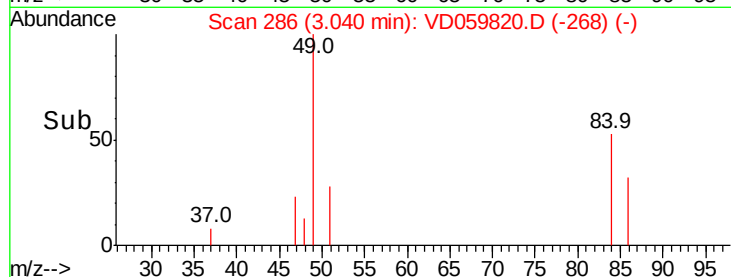
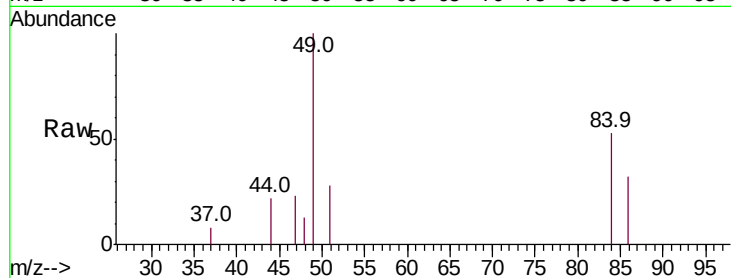
Ion	Ratio	Lower	Upper
84	100		
49	188.6	140.9	211.3
51	52.2	42.8	64.2
86	59.4	51.3	76.9

84 100

49 188.6 140.9 211.3

51 52.2 42.8 64.2

86 59.4 51.3 76.9

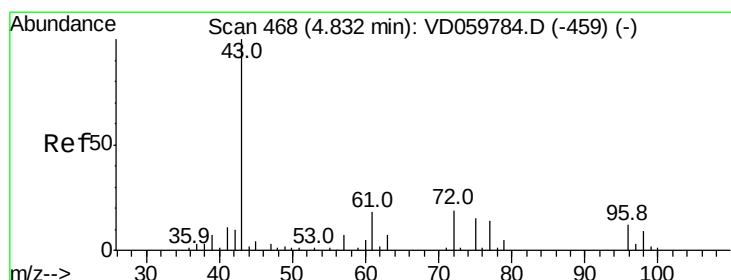
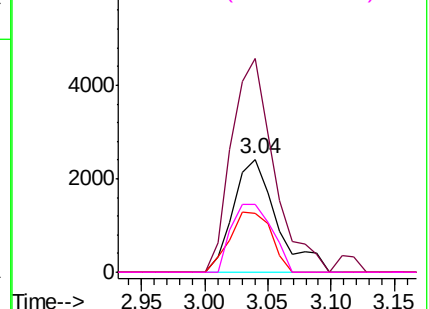


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#25

2-Butanone

Concen: 9.465 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.04 min

Lab File: VD059820.D

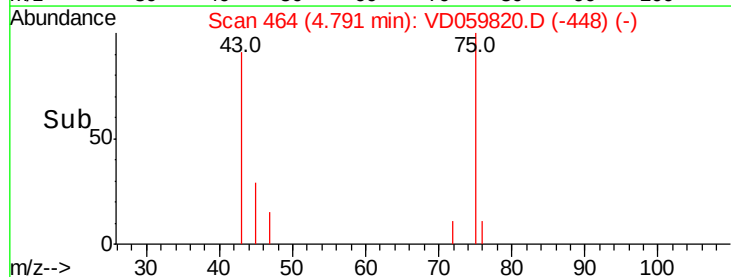
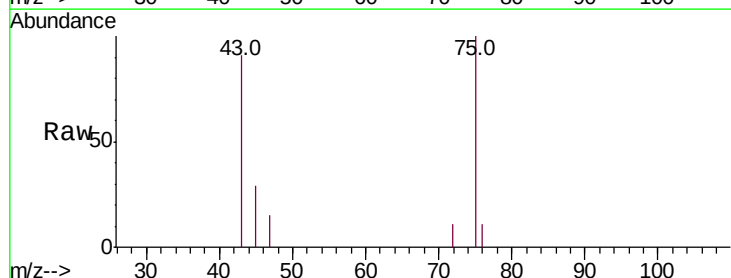
Acq: 16 Aug 2018 19:41

Tgt Ion: 43 Resp: 7017

Ion	Ratio	Lower	Upper
43	100		
72	11.7	14.9	22.3

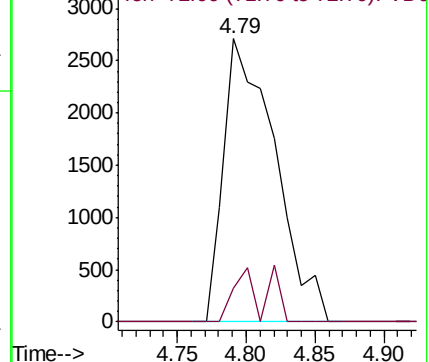
43 100

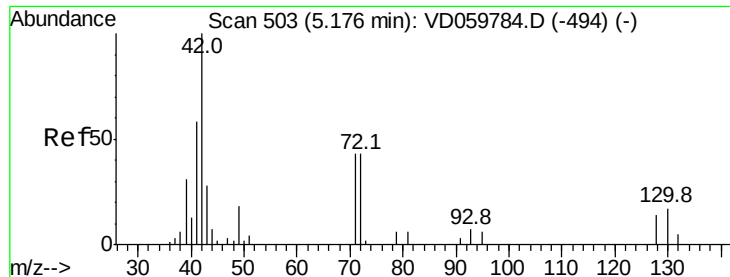
72 11.7 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.236 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.38 min

Lab File: VD059820.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_D

ClientSampleId :

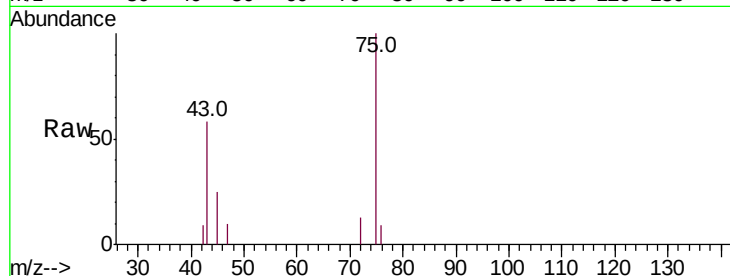
Tot Ion: 42 Resp: 391

Ion Ratio Lower Upper

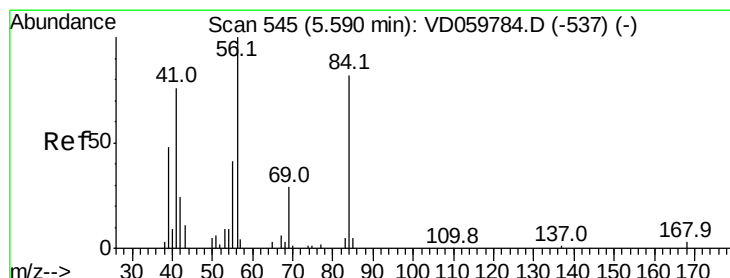
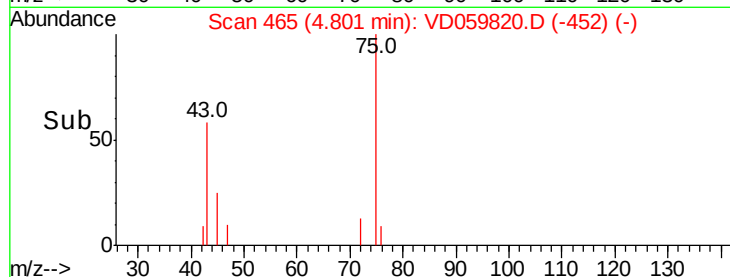
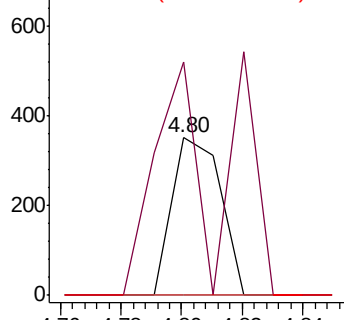
42 100

72 208.7 34.3 51.5#

71 0.0 33.0 49.6#



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



#31

Cyclohexane

Concen: 2.232 ug/l

RT: 5.62 min Scan# 548

Delta R.T. 0.03 min

Lab File: VD059820.D

Acq: 16 Aug 2018 19:41

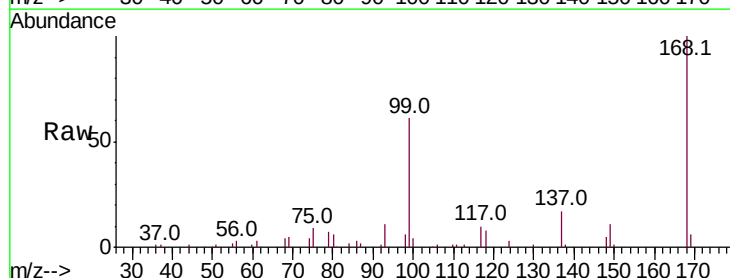
Tgt Ion: 56 Resp: 6958

Ion Ratio Lower Upper

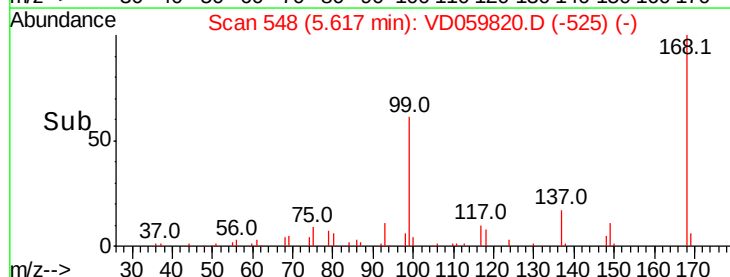
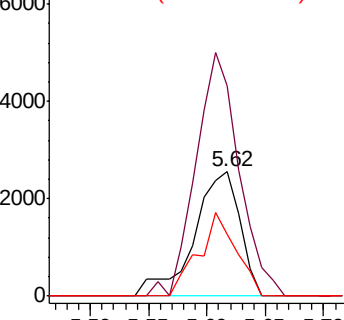
56 100

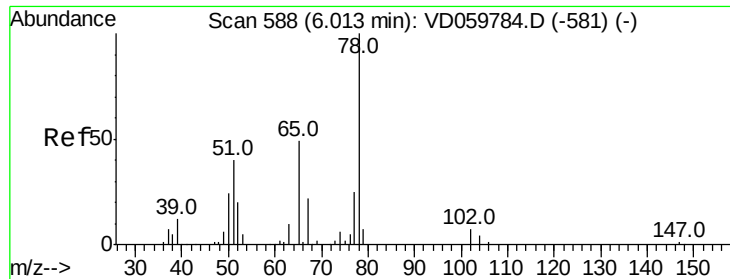
69 169.7 23.4 35.2#

84 49.9 65.4 98.2#



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

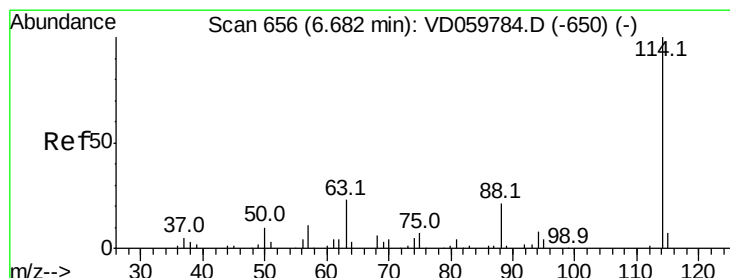
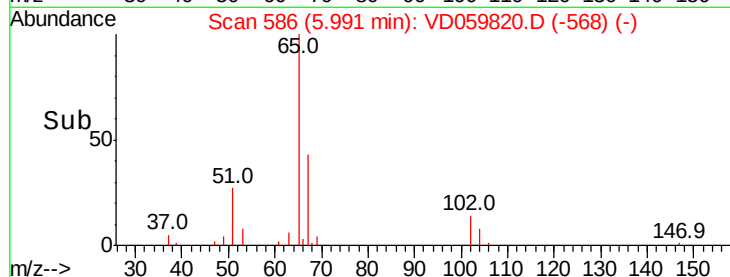
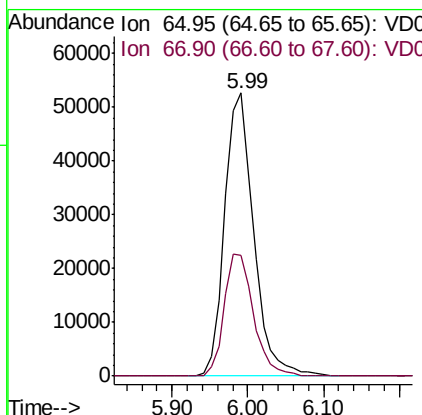
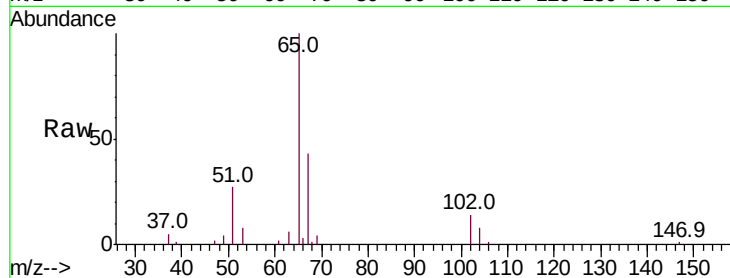




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. -0.02 min
 Lab File: VD059820.D
 Acq: 16 Aug 2018 19:41

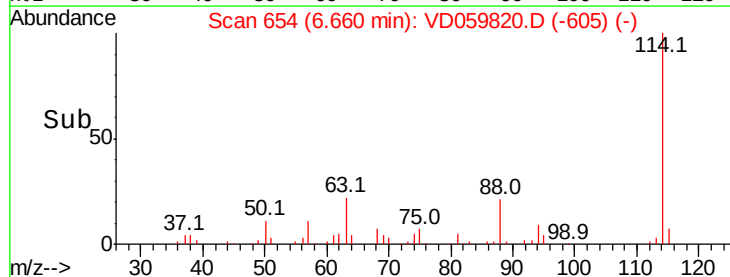
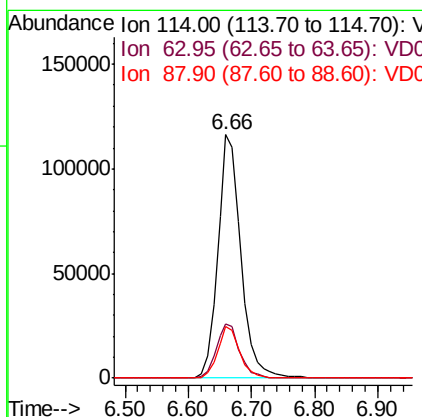
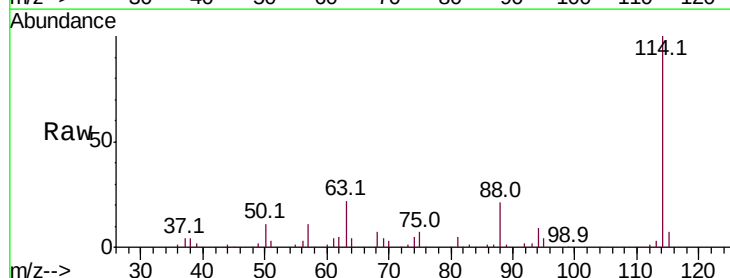
Instrument :
 MSVOA_D
 ClientSampleID :

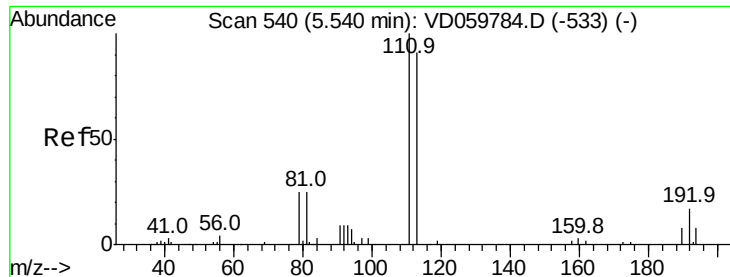
Tot Ion: 65 Resp: 139363
 Ion Ratio Lower Upper
 65 100
 67 42.7 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. -0.02 min
 Lab File: VD059820.D
 Acq: 16 Aug 2018 19:41

Tgt Ion:114 Resp: 295948
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.0
 88 21.3 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.52 min Scan# 538

Delta R.T. -0.02 min

Lab File: VD059820.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_D

ClientSampleId :

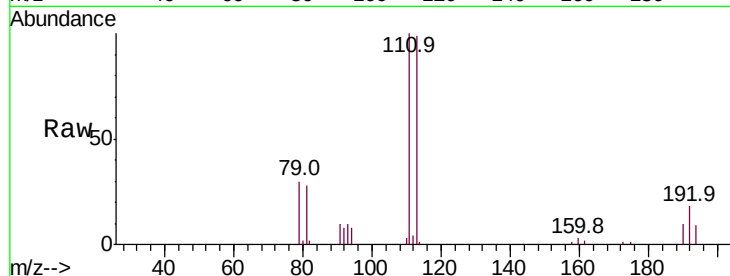
Tot Ion:113 Resp: 131155

Ion Ratio Lower Upper

113 100

111 100.5 87.7 131.5

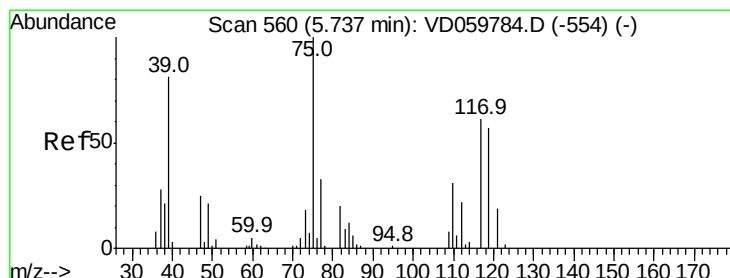
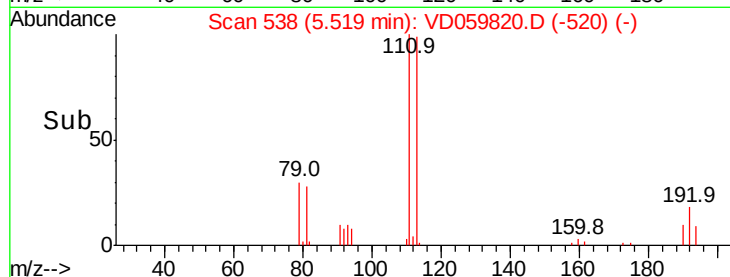
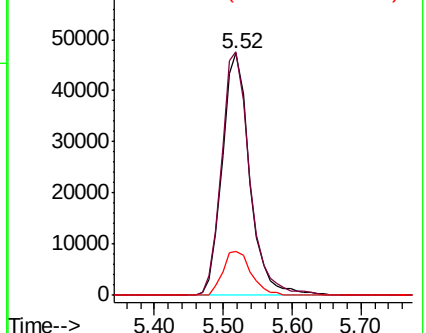
192 18.3 14.6 21.8



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: 7.182 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.13 min

Lab File: VD059820.D

Acq: 16 Aug 2018 19:41

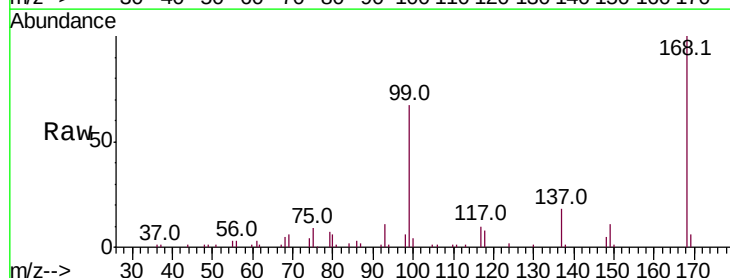
Tgt Ion: 75 Resp: 21806

Ion Ratio Lower Upper

75 100

110 8.4 15.3 45.8#

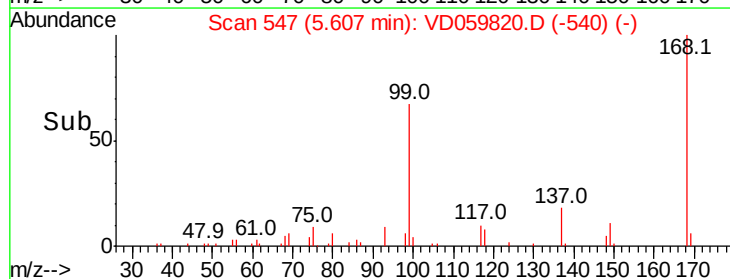
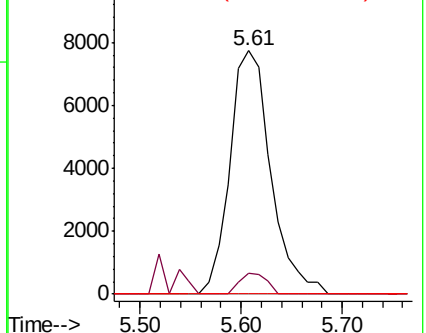
77 0.0 26.2 39.4#

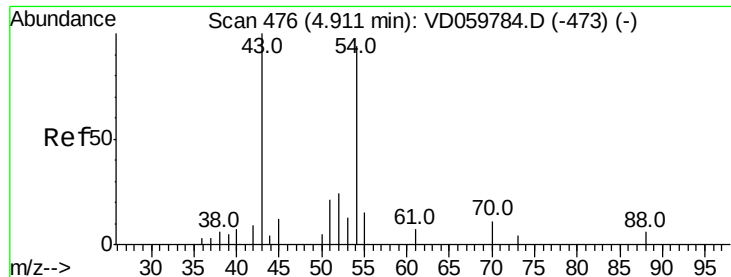


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 4.621 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.12 min

Lab File: VD059820.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_D

ClientSampleId :

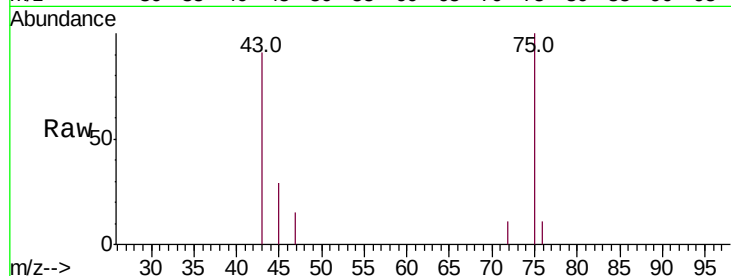
Tot Ion: 43 Resp: 7017

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.2#

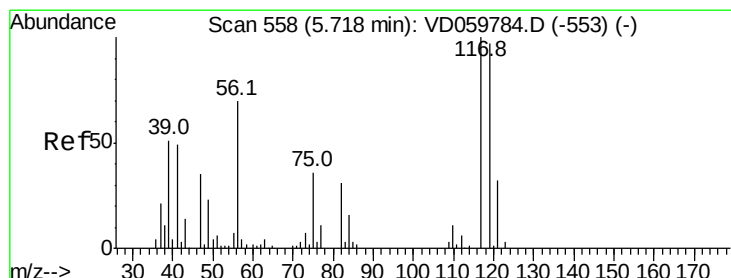
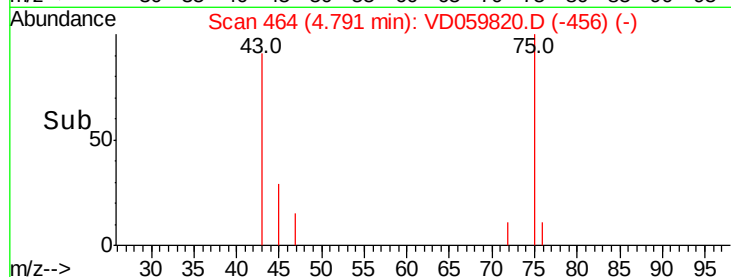
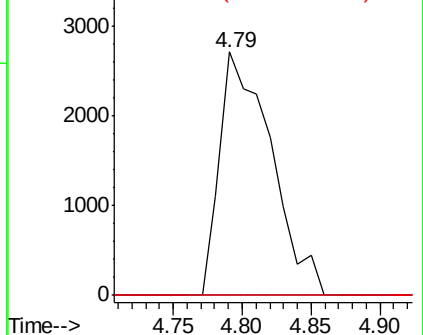
70 0.0 5.8 8.8#



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: 6.410 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.11 min

Lab File: VD059820.D

Acq: 16 Aug 2018 19:41

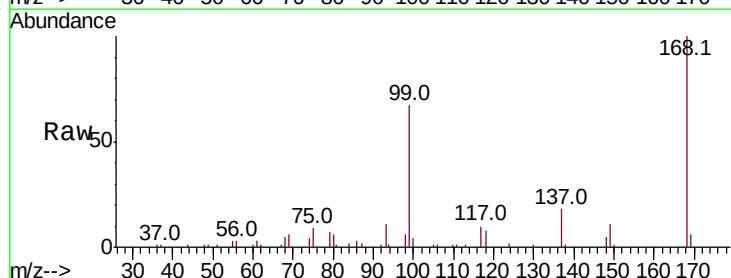
Tgt Ion: 117 Resp: 23483

Ion Ratio Lower Upper

117 100

119 0.0 75.7 113.5#

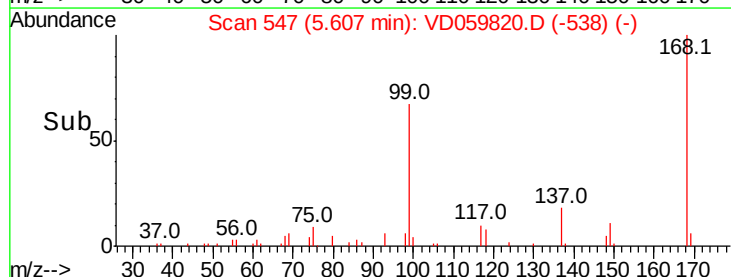
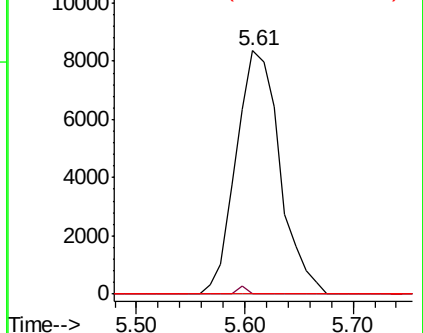
121 0.0 24.7 37.1#

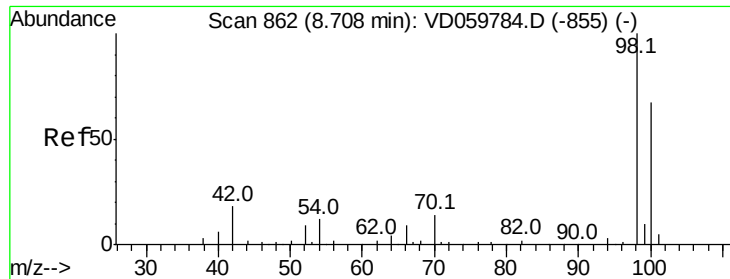


Abundance Ion 116.85 (116.55 to 117.55): V

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: 8.69 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD059820.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_D

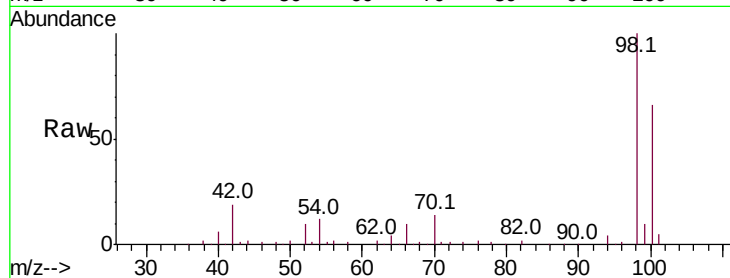
ClientSampled :

Tot Ion: 98 Resp: 263053

Ion Ratio Lower Upper

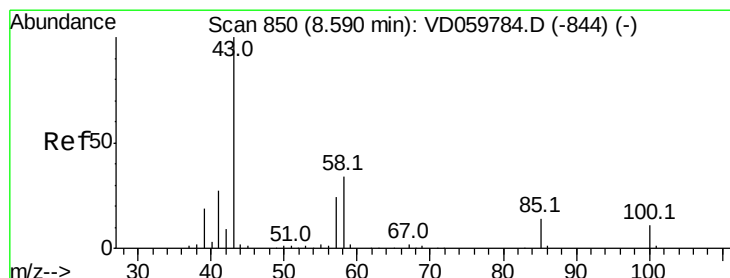
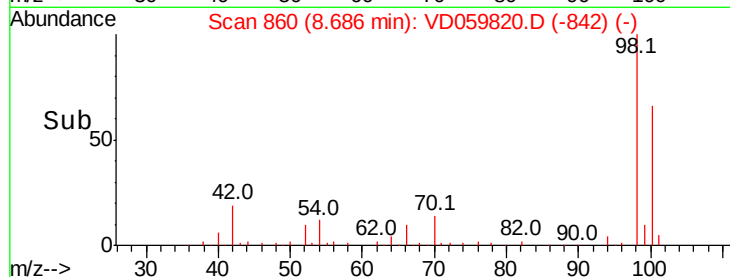
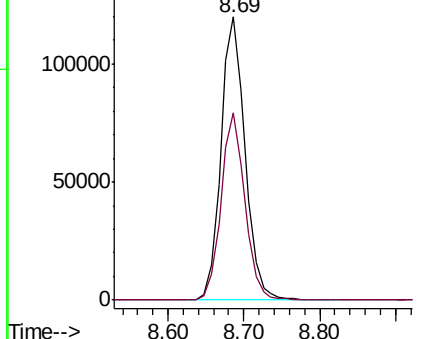
98 100

100 66.3 54.2 81.4



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: 1.092 ug/l

RT: 8.68 min Scan# 859

Delta R.T. 0.09 min

Lab File: VD059820.D

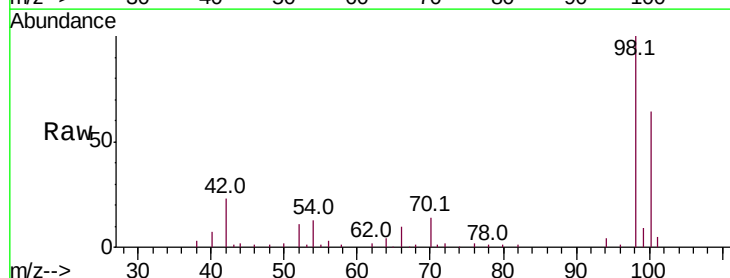
Acq: 16 Aug 2018 19:41

Tgt Ion: 43 Resp: 1583

Ion Ratio Lower Upper

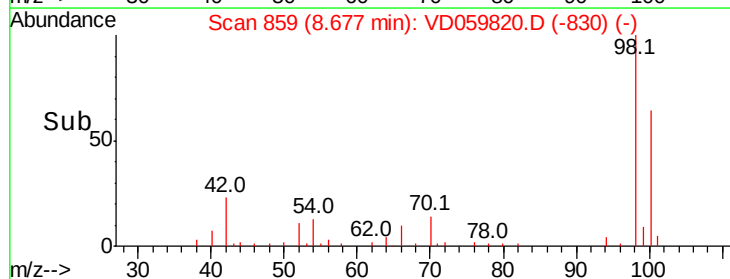
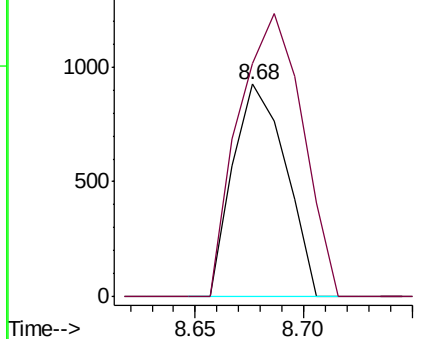
43 100

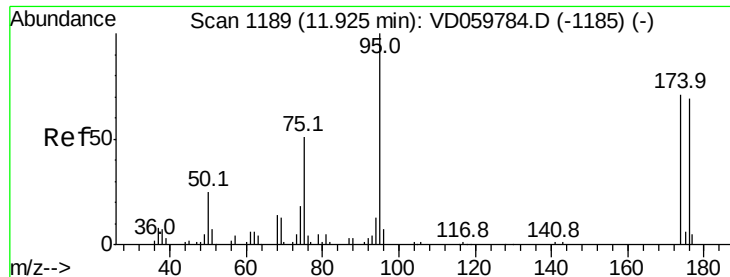
58 109.5 27.5 41.3#



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: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059820.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_D

ClientSampled :

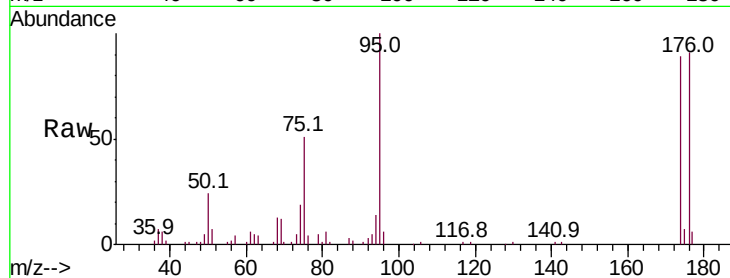
Tot Ion: 95 Resp: 103037

Ion Ratio Lower Upper

95 100

174 89.2 0.0 142.2

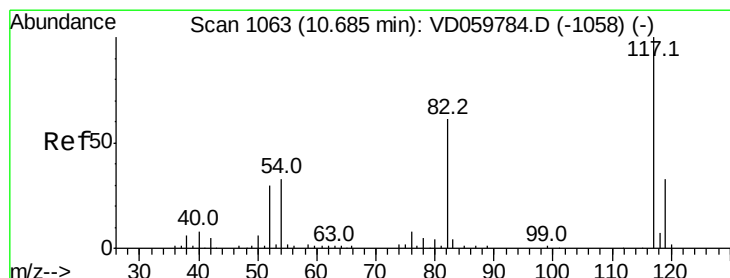
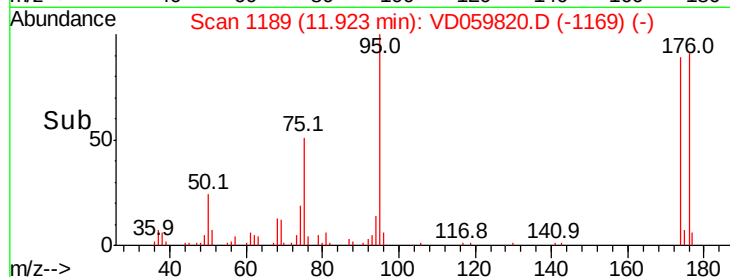
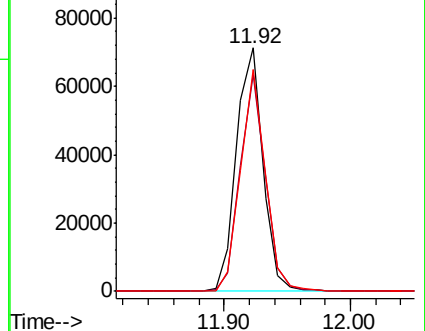
176 90.9 0.0 137.4



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: 10.67 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD059820.D

Acq: 16 Aug 2018 19:41

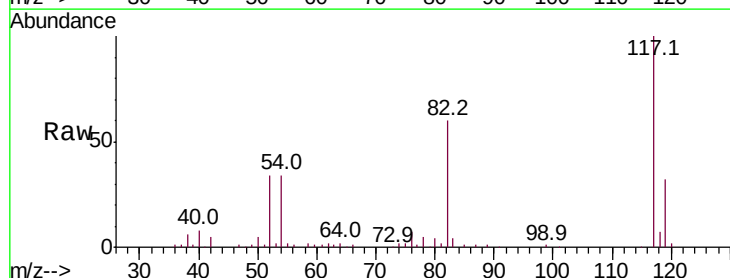
Tgt Ion: 117 Resp: 225690

Ion Ratio Lower Upper

117 100

82 60.3 49.0 73.6

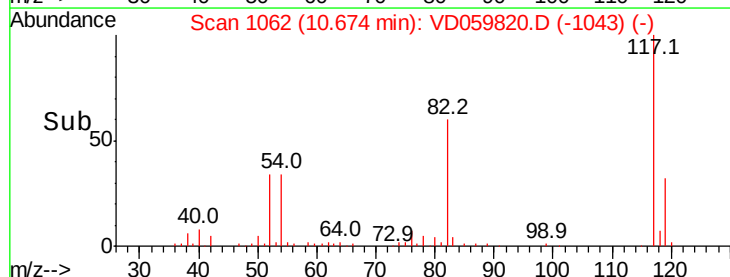
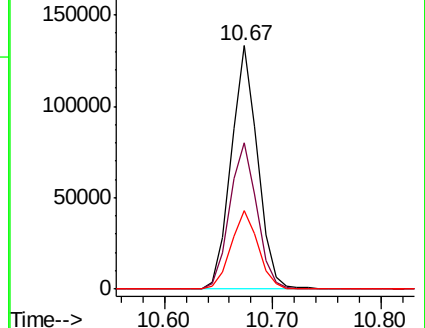
119 32.4 26.2 39.2

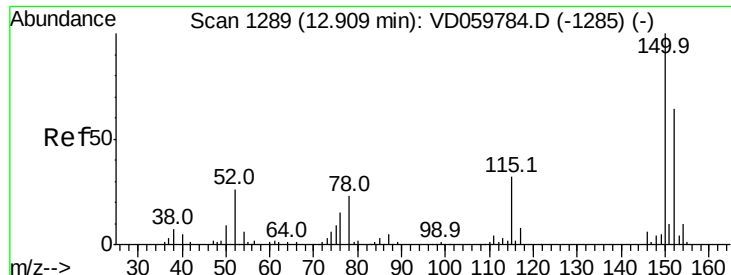


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1288

Delta R.T. -0.01 min

Lab File: VD059820.D

Acq: 16 Aug 2018 19:41

Instrument :

MSVOA_D

ClientSampleId :

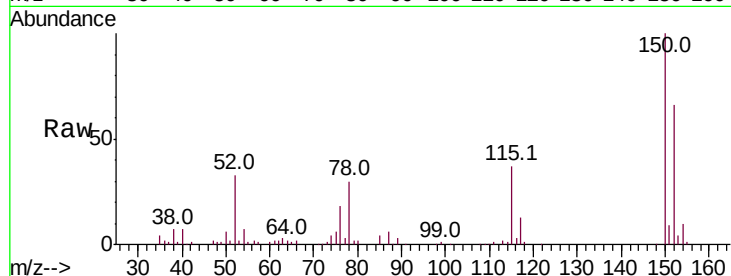
Tot Ion:152 Resp: 115253

Ion Ratio Lower Upper

152 100

115 56.0 27.2 81.5

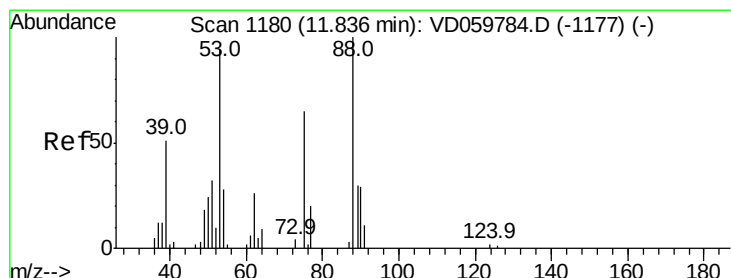
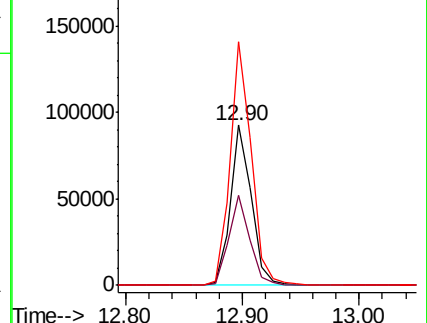
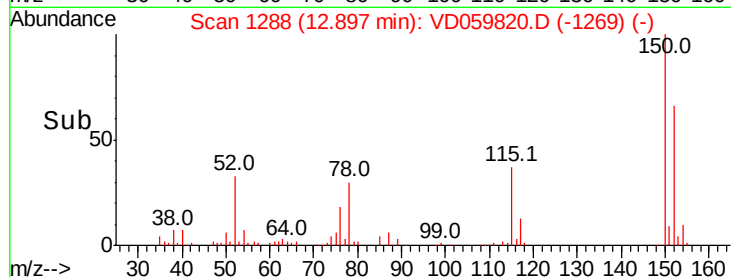
150 151.9 0.0 312.4



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: 138.660 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD059820.D

Acq: 16 Aug 2018 19:41

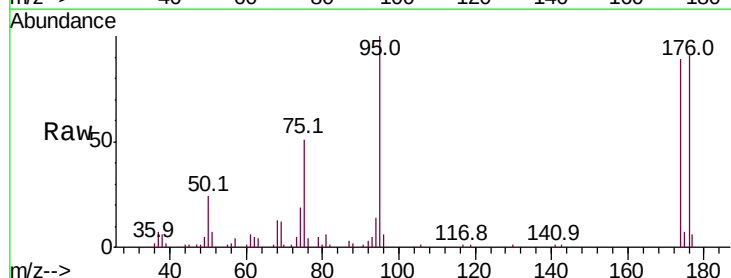
Tgt Ion: 75 Resp: 53048

Ion Ratio Lower Upper

75 100

53 0.0 116.2 174.2#

89 0.0 37.0 55.6#



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

