

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122218\
 Data File : VD060706.D
 Acq On : 22 Dec 2018 14:01
 Operator : VA/AP
 Sample : J6525-03RE
 Misc : 3.07g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-3(5)RE

Quant Time: Dec 24 02:19:17 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

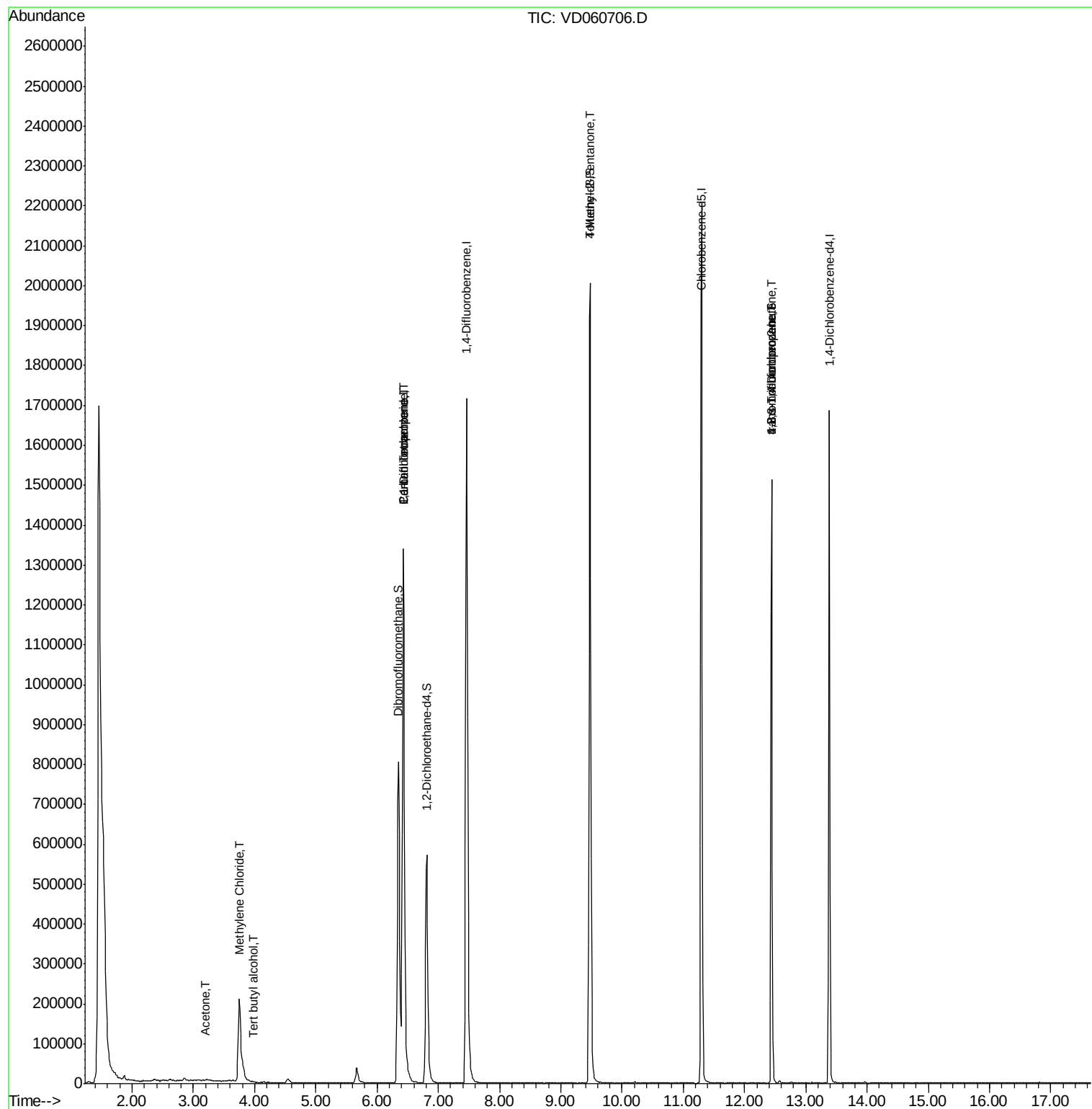
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1350317	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.46	114	1850498	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.30	117	1235660	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.39	152	420656	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.81	65	499460	53.52	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.04%	
35) Dibromofluoromethane	6.35	113	641489	47.36	ug/l	0.02
Spiked Amount 50.000			Recovery	=	94.72%	
50) Toluene-d8	9.48	98	1675952	41.47	ug/l	0.02
Spiked Amount 50.000			Recovery	=	82.94%	
62) 4-Bromofluorobenzene	12.44	95	433811	30.65	ug/l	0.02
Spiked Amount 50.000			Recovery	=	61.30%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.98	59	993	2.546	ug/l #	74
16) Acetone	3.19	43	4489	2.755	ug/l #	53
20) Methylene Chloride	3.75	84	141611	8.367	ug/l	96
36) 1,1-Dichloropropene	6.43	75	97016	5.091	ug/l #	46
38) Carbon Tetrachloride	6.43	117	102669	6.107	ug/l #	15
51) 4-Methyl-2-Pentanone	9.48	43	8977	1.433	ug/l #	1
76) 1,2,3-Trichloropropane	12.44	75	159583	33.322	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.44	75	173749	131.295	ug/l #	13

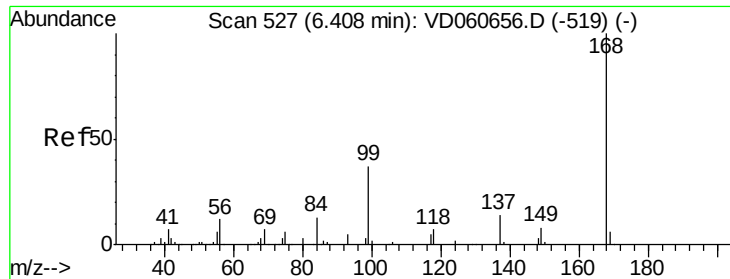
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122218\
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S-3(5)RE

Quant Time: Dec 24 02:19:17 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: 6.43 min Scan# 529

Delta R.T. 0.02 min

Lab File: VD060706.D

Acq: 22 Dec 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

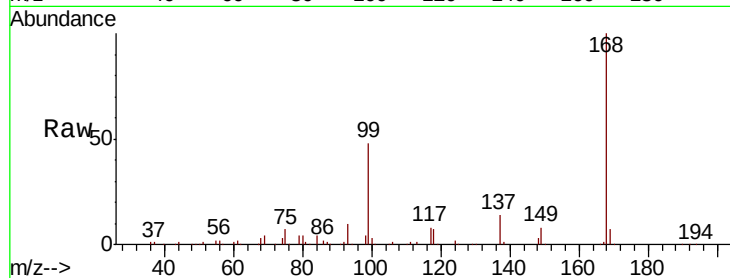
S-3(5)RE

Tot Ion:168 Resp: 1350317

Ion Ratio Lower Upper

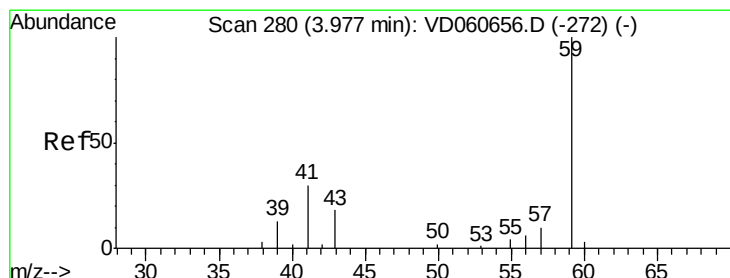
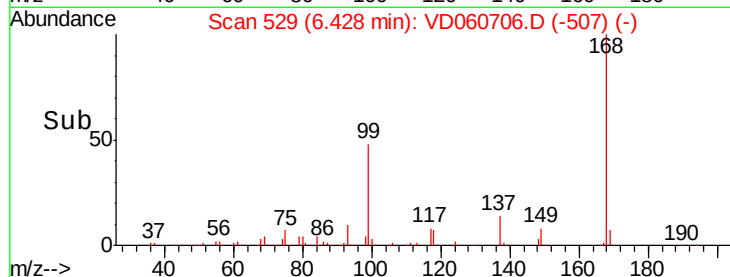
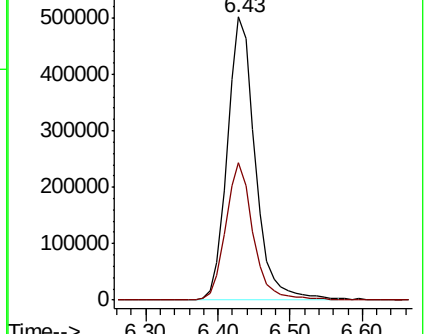
168 100

99 48.5 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.546 ug/l

RT: 3.98 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD060706.D

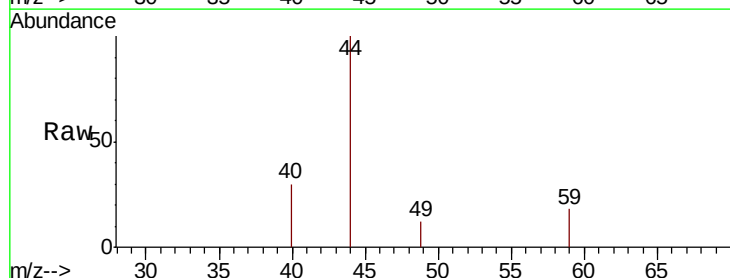
Acq: 22 Dec 2018 14:01

Tgt Ion: 59 Resp: 993

Ion Ratio Lower Upper

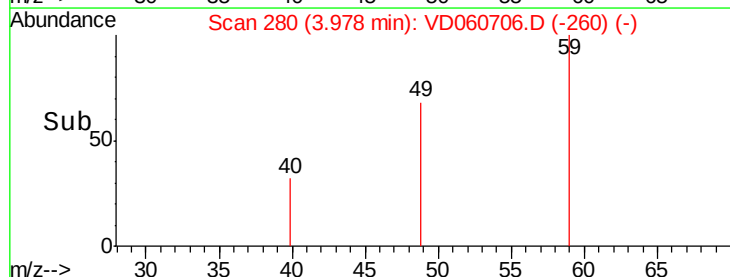
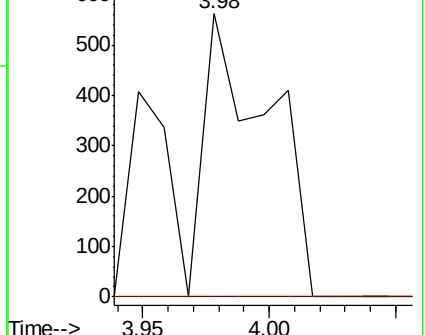
59 100

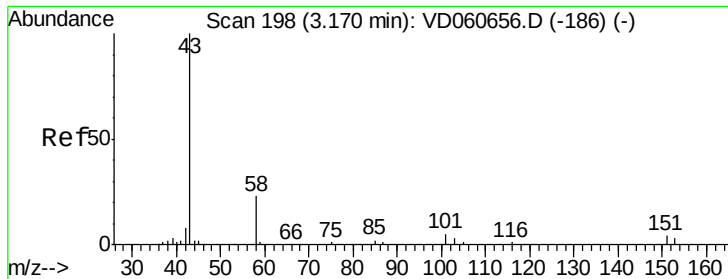
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 2.755 ug/l

RT: 3.19 min Scan# 200

Delta R.T. 0.02 min

Lab File: VD060706.D

Acq: 22 Dec 2018 14:01

Instrument :

MSVOA_D

ClientSampled :

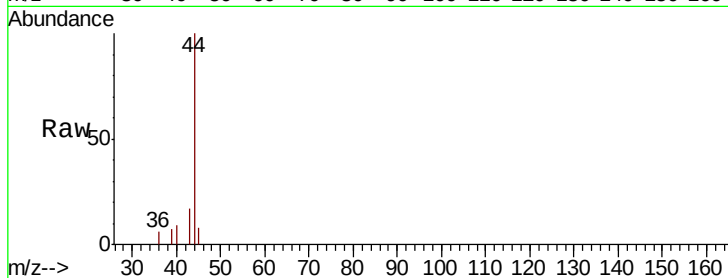
S-3(5)RE

Tot Ion: 43 Resp: 4489

Ion Ratio Lower Upper

43 100

58 0.0 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1200

1000

800

600

400

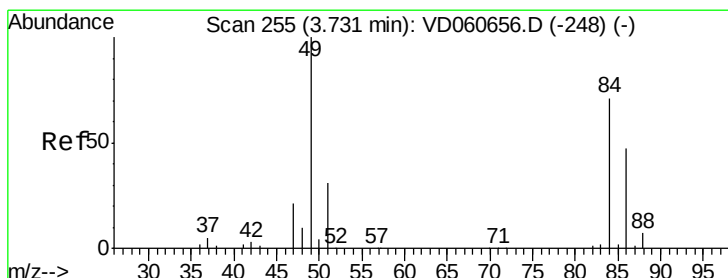
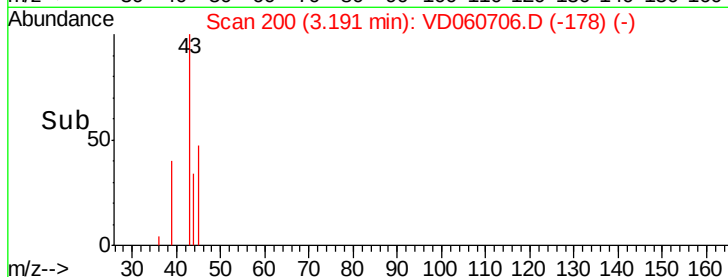
200

0

Time-->

3.10 3.15 3.20 3.25 3.30

3.19



#20

Methylene Chloride

Concen: 8.367 ug/l

RT: 3.75 min Scan# 257

Delta R.T. 0.02 min

Lab File: VD060706.D

Acq: 22 Dec 2018 14:01

Tgt Ion: 84 Resp: 141611

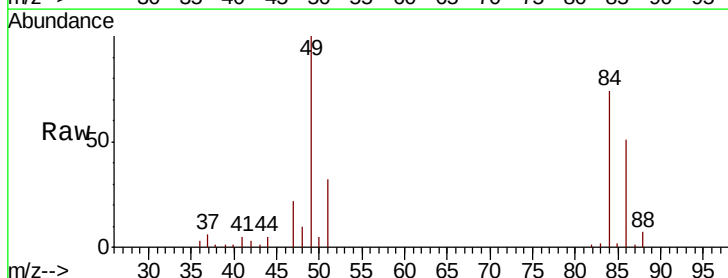
Ion Ratio Lower Upper

84 100

49 135.5 113.6 170.4

51 44.0 34.7 52.1

86 69.0 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

100000

80000

60000

40000

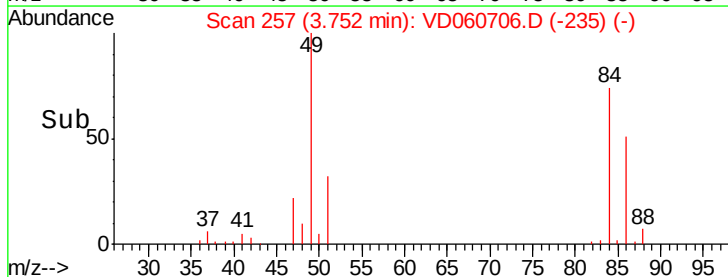
20000

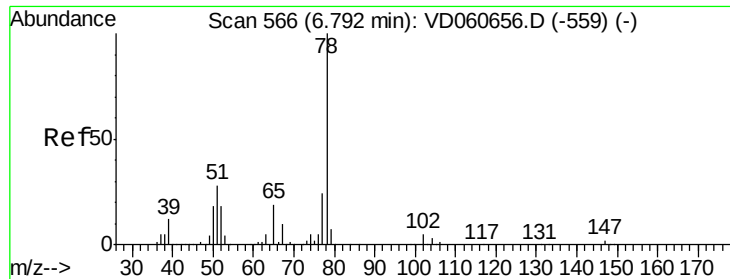
0

Time-->

3.60 3.70 3.80 3.90

3.75





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.81 min Scan# 568

Delta R.T. 0.02 min

Lab File: VD060706.D

Acq: 22 Dec 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

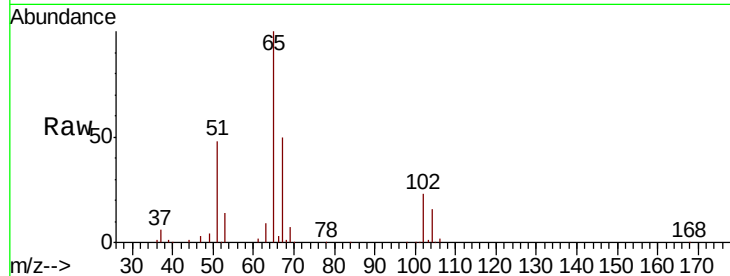
S-3(5)RE

Tot Ion: 65 Resp: 499460

Ion Ratio Lower Upper

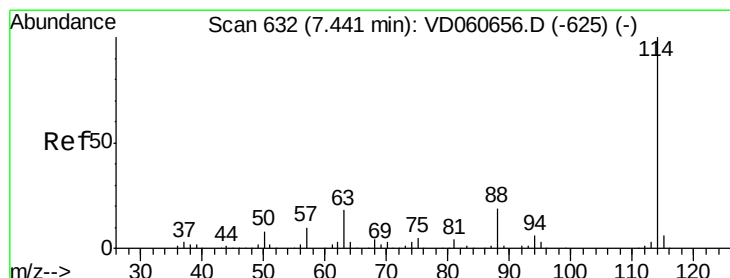
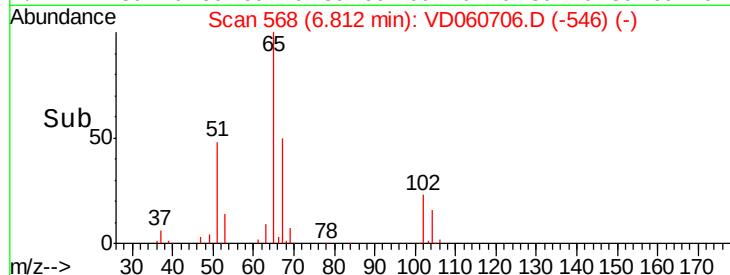
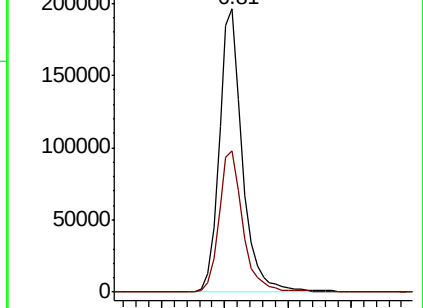
65 100

67 50.1 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: 7.46 min Scan# 634

Delta R.T. 0.02 min

Lab File: VD060706.D

Acq: 22 Dec 2018 14:01

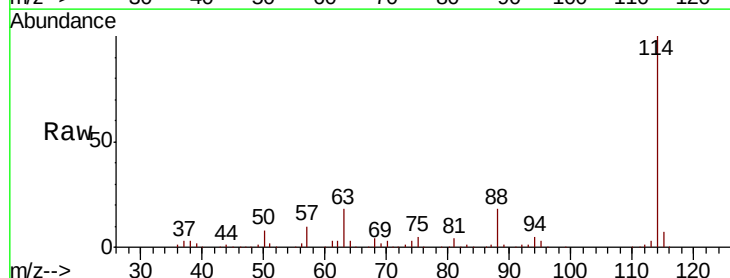
Tgt Ion: 114 Resp: 1850498

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.2

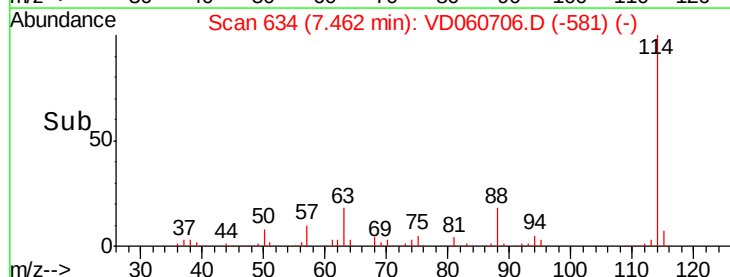
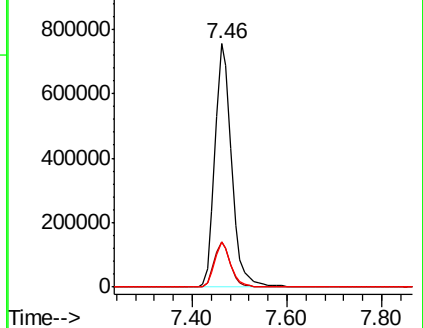
88 18.3 0.0 37.0

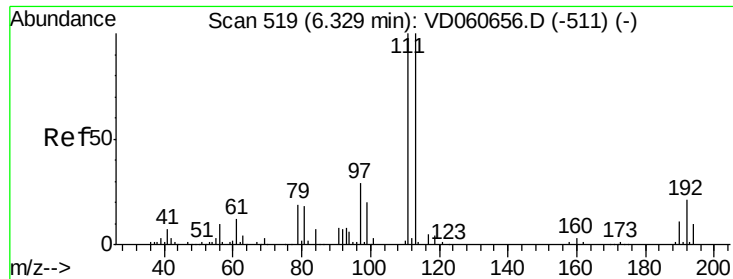


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

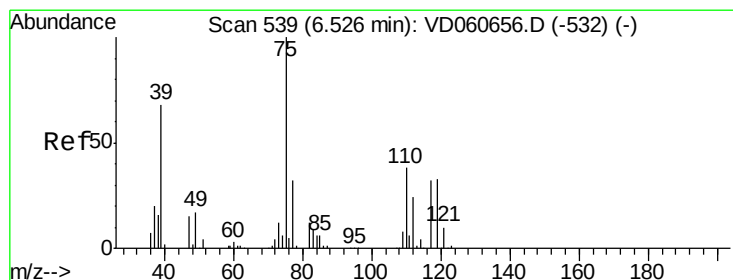
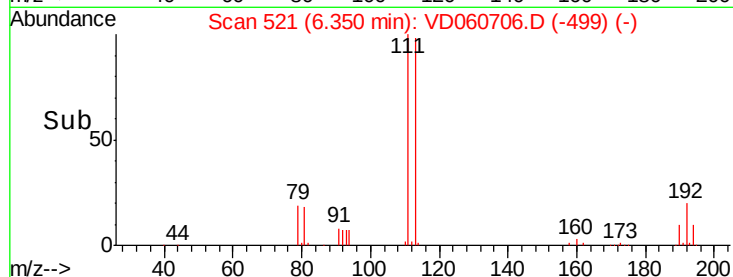
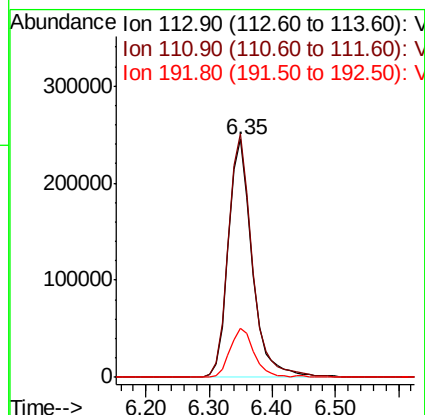
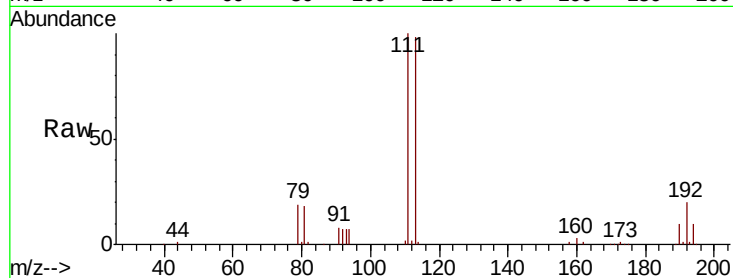




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.35 min Scan# 521
 Delta R.T. 0.02 min
 Lab File: VD060706.D
 Acq: 22 Dec 2018 14:01

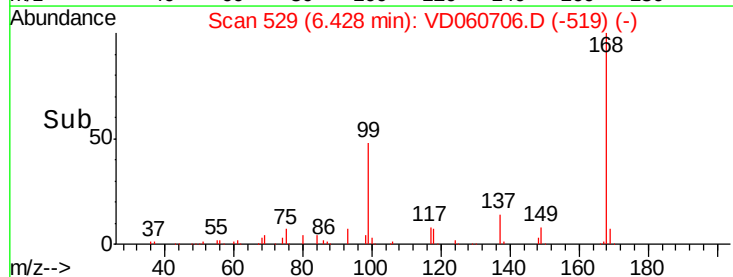
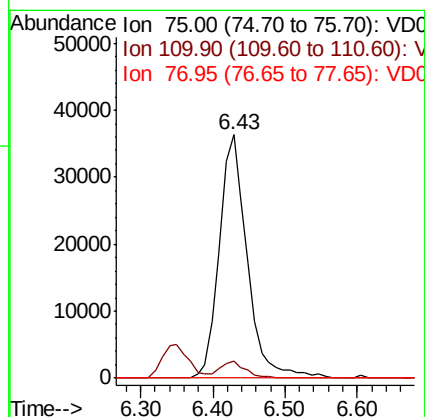
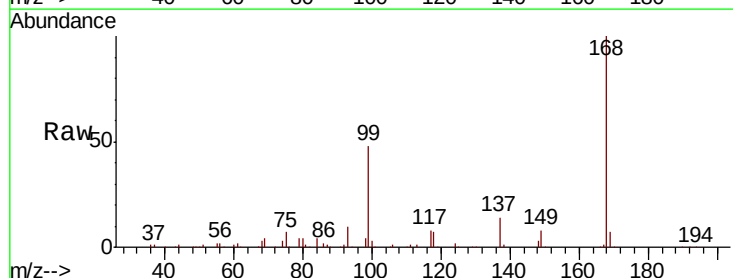
Instrument :
 MSVOA_D
 ClientSampleId :
 S-3(5)RE

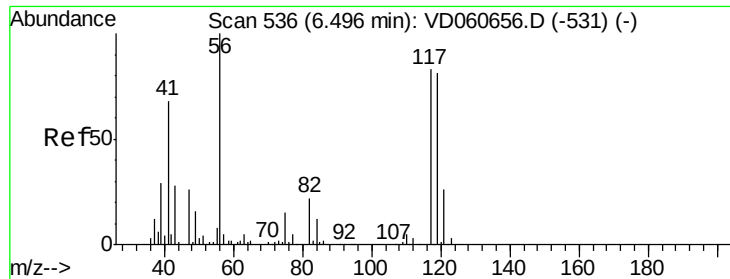
Tot Ion:113 Resp: 641489
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.0 120.0
 192 20.5 16.6 25.0



#36
 1,1-Dichloropropene
 Concen: 5.091 ug/l
 RT: 6.43 min Scan# 529
 Delta R.T. -0.10 min
 Lab File: VD060706.D
 Acq: 22 Dec 2018 14:01

Tgt Ion: 75 Resp: 97016
 Ion Ratio Lower Upper
 75 100
 110 6.7 18.9 56.7#
 77 0.0 25.4 38.0#

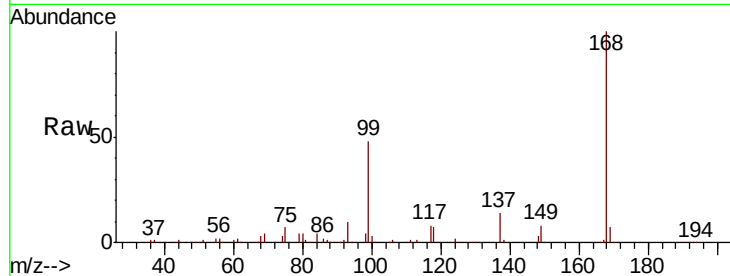




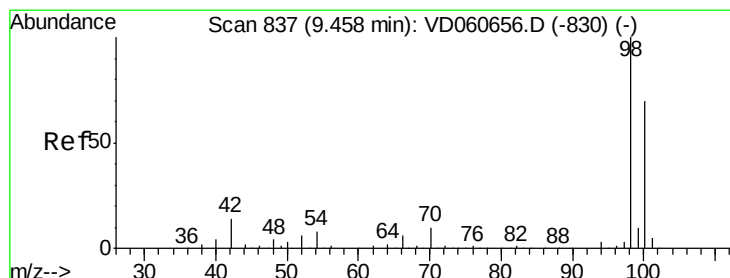
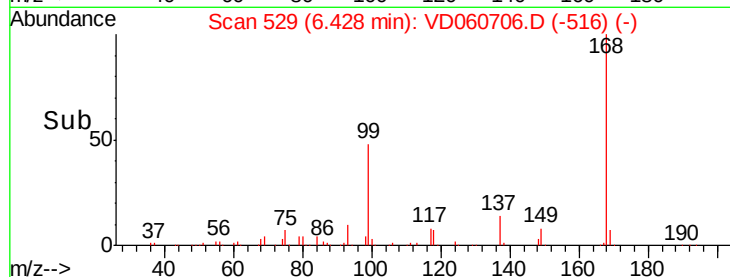
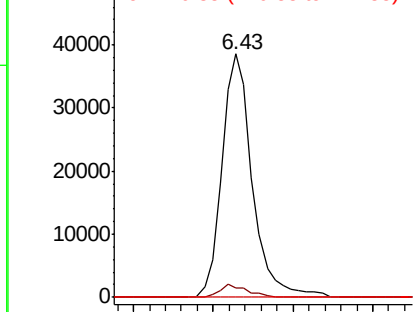
#38
Carbon Tetrachloride
Concen: 6.107 ug/l
RT: 6.43 min Scan# 529
Delta R.T. -0.07 min
Lab File: VD060706.D
Acq: 22 Dec 2018 14:01

Instrument :
MSVOA_D
ClientSampleId :
S-3(5)RE

Tot Ion:117 Resp: 102669
Ion Ratio Lower Upper
117 100
119 4.0 77.0 115.4#
121 0.0 24.7 37.1#

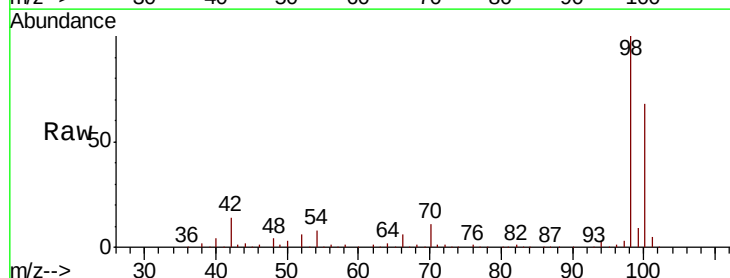


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

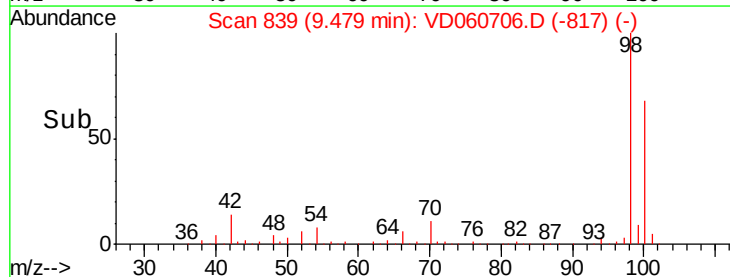
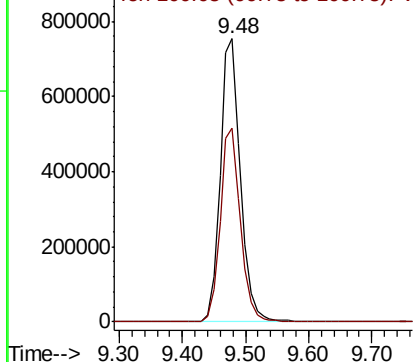


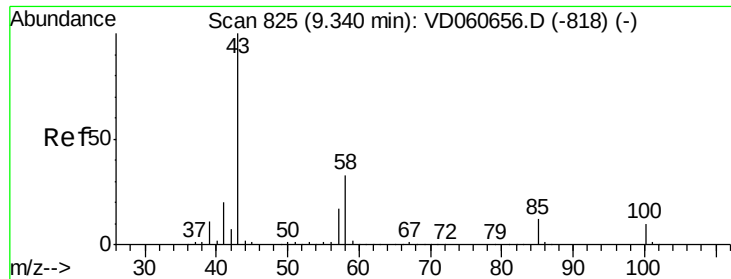
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.48 min Scan# 839
Delta R.T. 0.02 min
Lab File: VD060706.D
Acq: 22 Dec 2018 14:01

Tgt Ion: 98 Resp: 1675952
Ion Ratio Lower Upper
98 100
100 68.4 55.8 83.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.433 ug/l

RT: 9.48 min Scan# 839

Delta R.T. 0.14 min

Lab File: VD060706.D

Acq: 22 Dec 2018 14:01

Instrument :

MSVOA_D

ClientSampleId :

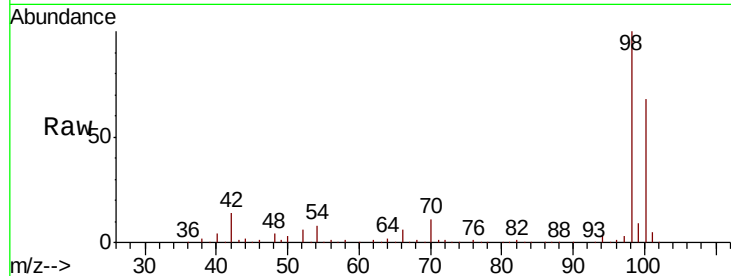
S-3(5)RE

Tot Ion: 43 Resp: 8977

Ion Ratio Lower Upper

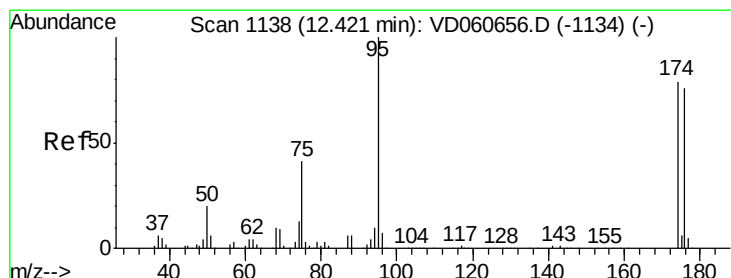
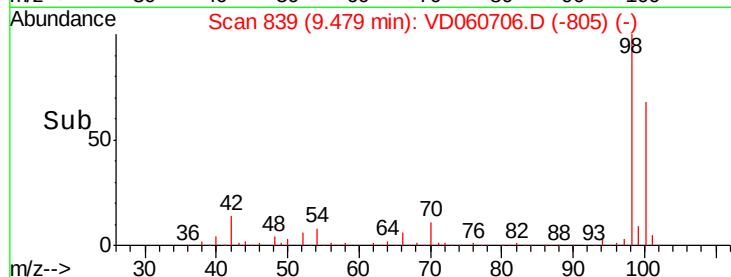
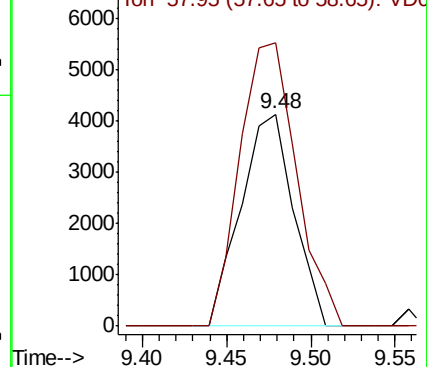
43 100

58 133.5 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: VD060706.D

Acq: 22 Dec 2018 14:01

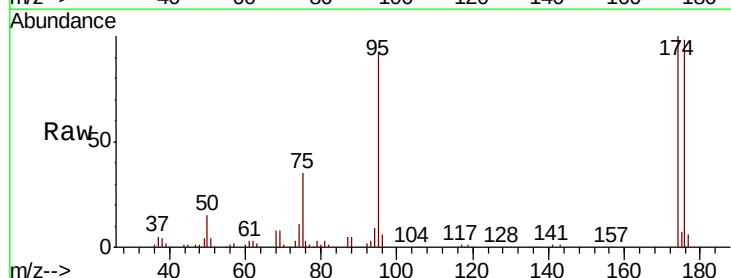
Tgt Ion: 95 Resp: 433811

Ion Ratio Lower Upper

95 100

174 108.5 0.0 158.2

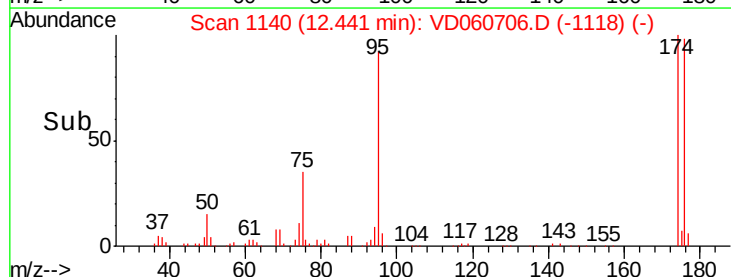
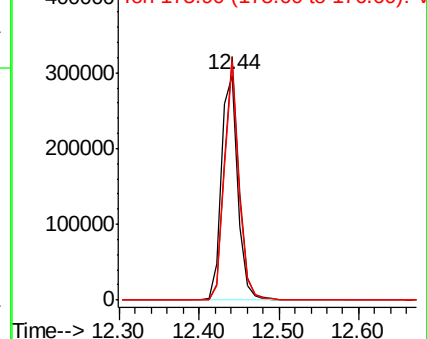
176 106.3 0.0 152.4

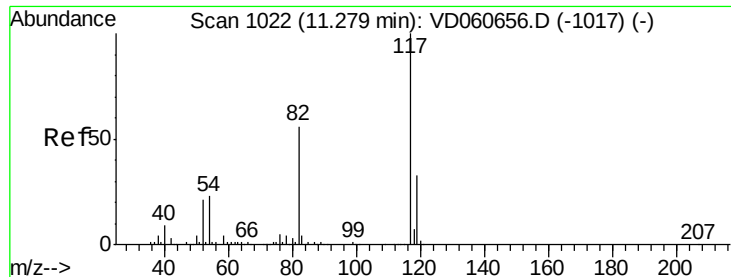


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

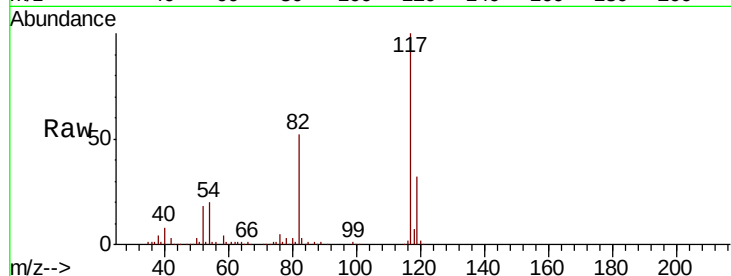




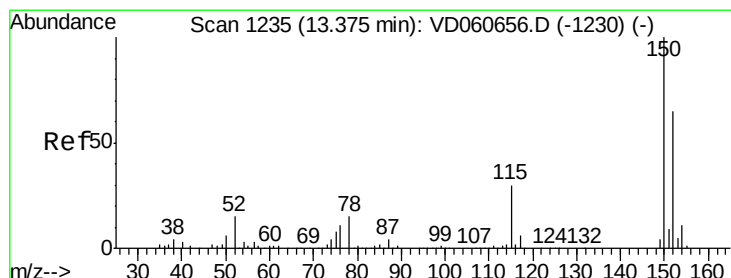
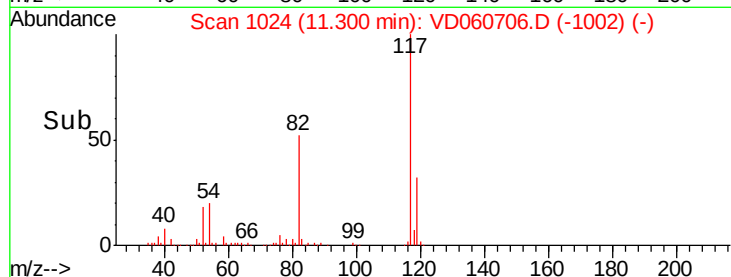
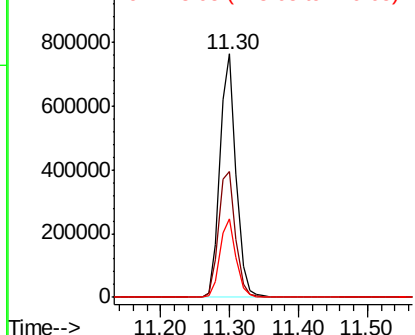
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 1024
Delta R.T. 0.02 min
Lab File: VD060706.D
Acq: 22 Dec 2018 14:01

Instrument :
MSVOA_D
ClientSampleId :
S-3(5)RE

Tot Ion:117 Resp: 1235660
Ion Ratio Lower Upper
117 100
82 52.0 44.5 66.7
119 32.2 26.3 39.5

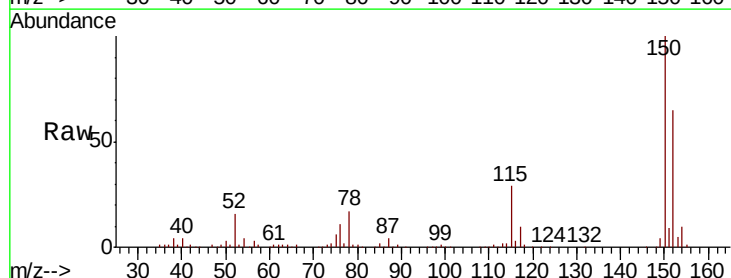


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

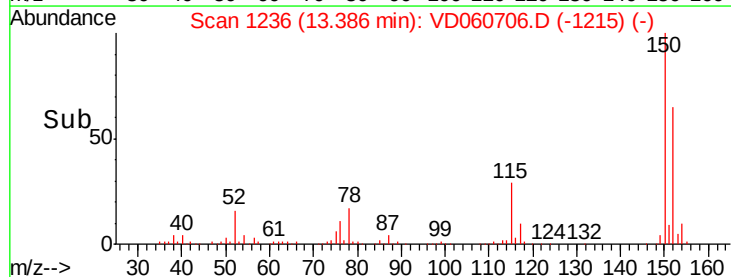
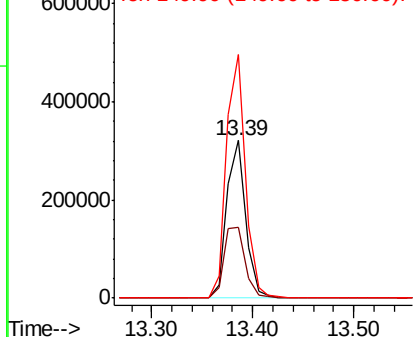


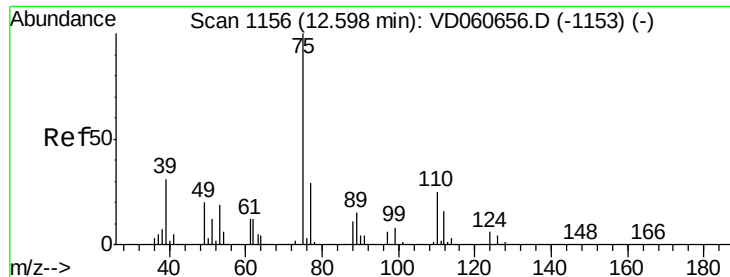
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.39 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VD060706.D
Acq: 22 Dec 2018 14:01

Tgt Ion:152 Resp: 420656
Ion Ratio Lower Upper
152 100
115 44.9 24.1 72.3
150 154.3 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

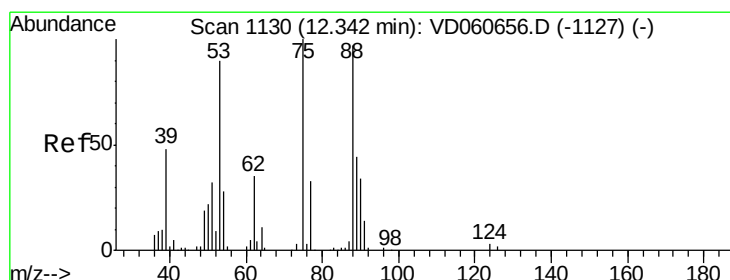
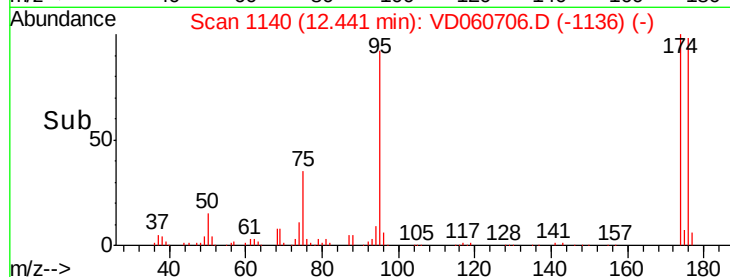
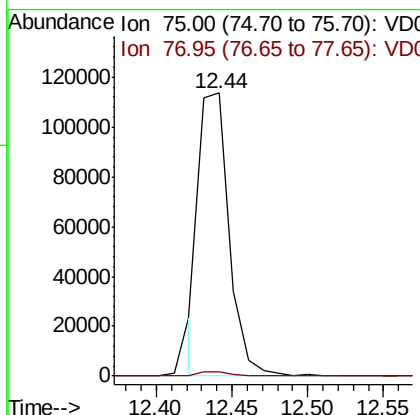
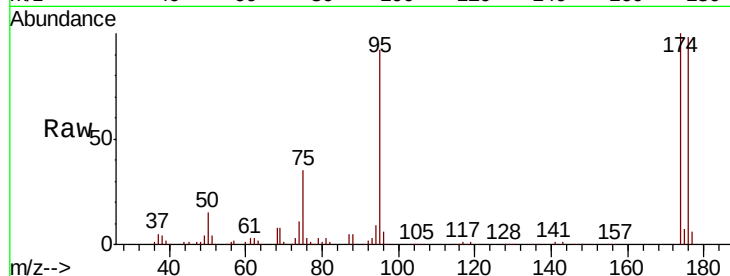




#76
 1,2,3-Trichloropropane
 Concen: 33.322 ug/l
 RT: 12.44 min Scan# 1140
 Delta R.T. -0.16 min
 Lab File: VD060706.D
 Acq: 22 Dec 2018 14:01

Instrument :
 MSVOA_D
 ClientSampleId :
 S-3(5)RE

Tot Ion: 75 Resp: 159583
 Ion Ratio Lower Upper
 75 100
 77 1.6 16.7 50.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.295 ug/l
 RT: 12.44 min Scan# 1140
 Delta R.T. 0.10 min
 Lab File: VD060706.D
 Acq: 22 Dec 2018 14:01

Tgt Ion: 75 Resp: 173749
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.1 108.1#
 89 0.0 35.1 52.7#

