

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\
 Data File : VD061924.D
 Acq On : 19 Apr 2019 22:10
 Operator : VA/AP
 Sample : K2199-15
 Misc : 6.20g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 19 23:12:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

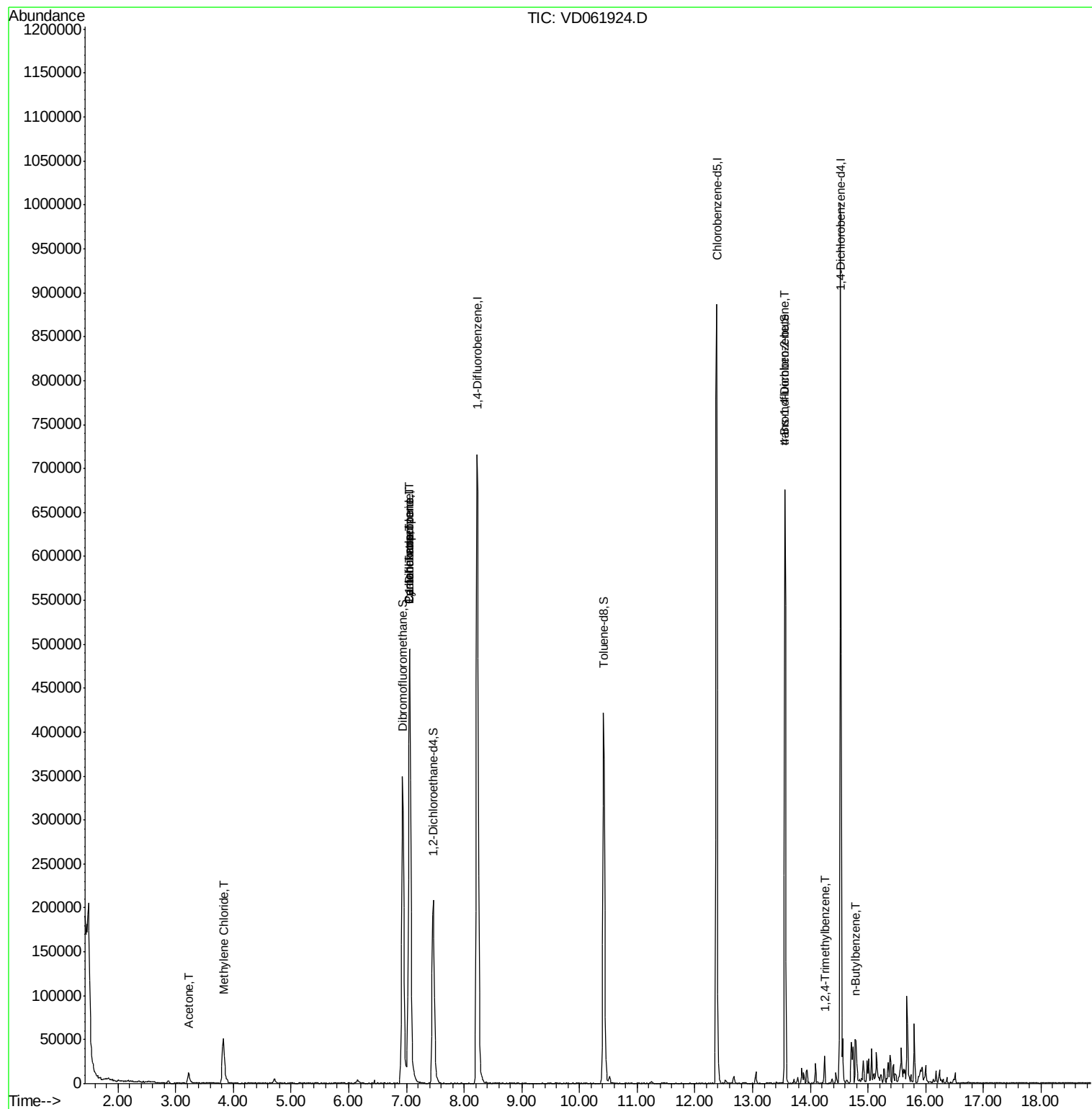
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	519836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	840240	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	551464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	222378	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	221912	50.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.88%	
35) Dibromofluoromethane	6.93	113	319824	50.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.76%	
50) Toluene-d8	10.42	98	376346	25.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	50.04%	
62) 4-Bromofluorobenzene	13.56	95	211489	34.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.38%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.16	94	233	Below Cal	#	12
16) Acetone	3.22	43	24193	22.531	ug/l	98
20) Methylene Chloride	3.83	84	38989	2.992	ug/l	93
31) Cyclohexane	7.05	56	10159	1.540	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	38710	5.638	ug/l #	45
38) Carbon Tetrachloride	7.05	117	52659	6.074	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.56	75	82289	84.479	ug/l #	16
84) 1,2,4-Trimethylbenzene	14.25	105	17794	1.547	ug/l	97
89) n-Butylbenzene	14.80	91	12465	1.084	ug/l	83

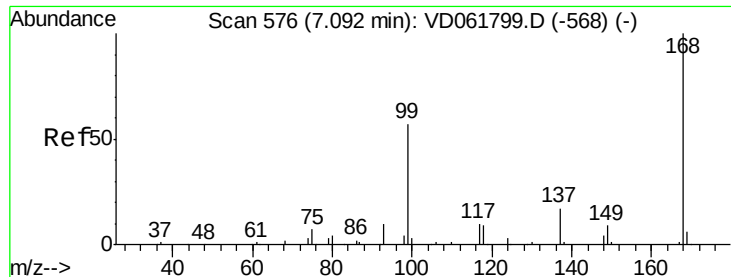
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD061924.D

Acq: 19 Apr 2019 22:10

Instrument :

MSVOA_D

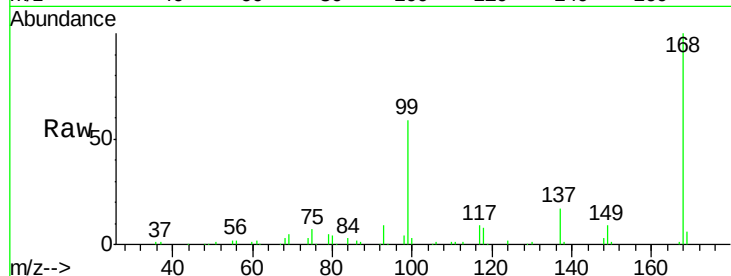
ClientSampleId :

Tot Ion:168 Resp: 519836

Ion Ratio Lower Upper

168 100

99 58.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

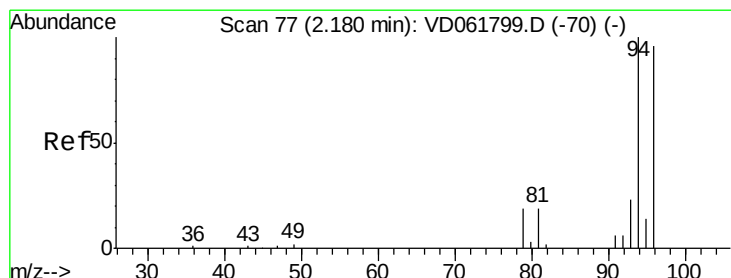
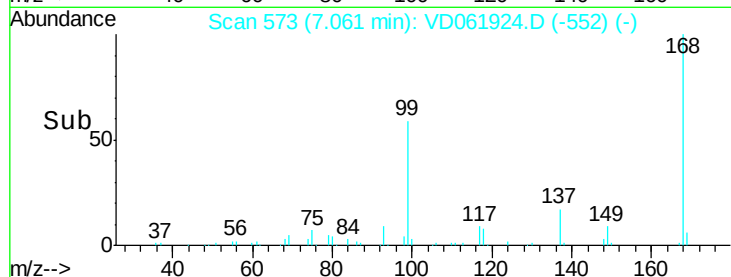
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: Below Cal

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD061924.D

Acq: 19 Apr 2019 22:10

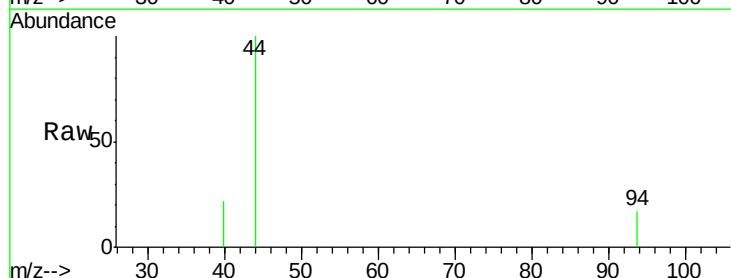
Tgt Ion: 94 Resp: 233

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.16

400

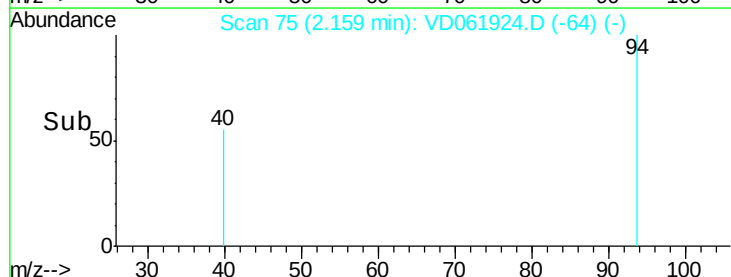
300

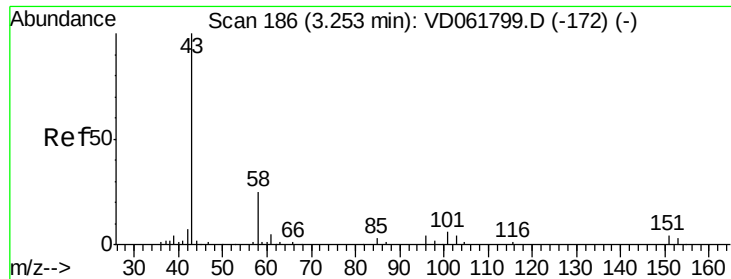
200

100

0

Time--> 2.14 2.16 2.18





#16

Acetone

Concen: 22.531 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061924.D

Acq: 19 Apr 2019 22:10

Instrument :

MSVOA_D

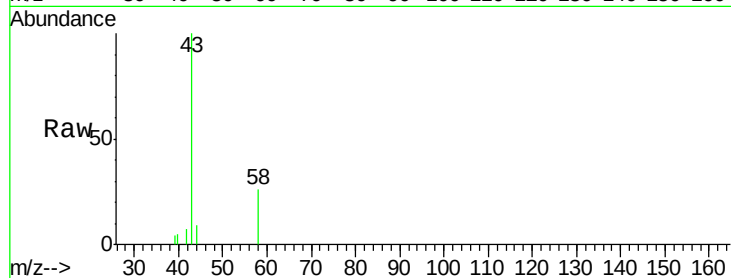
ClientSampleId :

Tot Ion: 43 Resp: 24193

Ion Ratio Lower Upper

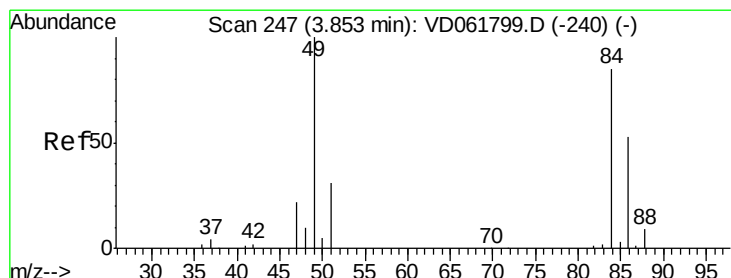
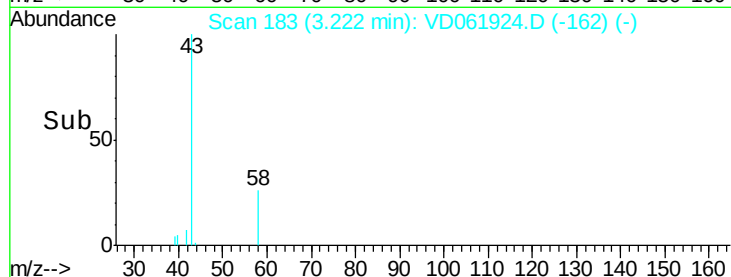
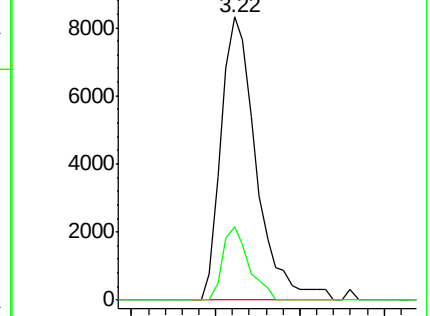
43 100

58 25.9 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.992 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.02 min

Lab File: VD061924.D

Acq: 19 Apr 2019 22:10

Tgt Ion: 84 Resp: 38989

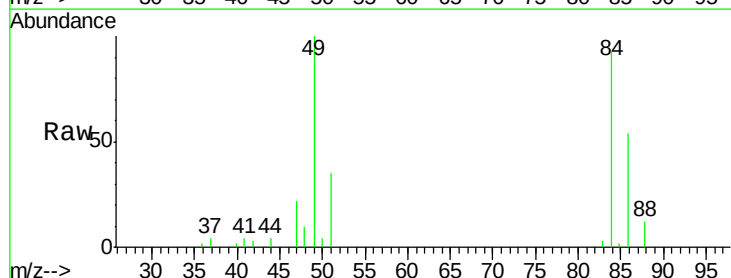
Ion Ratio Lower Upper

84 100

49 108.1 94.0 141.0

51 37.4 29.0 43.4

86 58.1 49.8 74.6

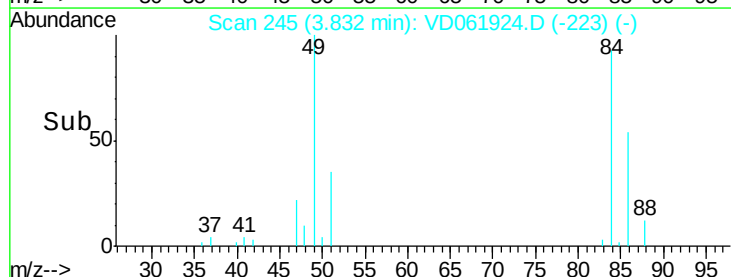
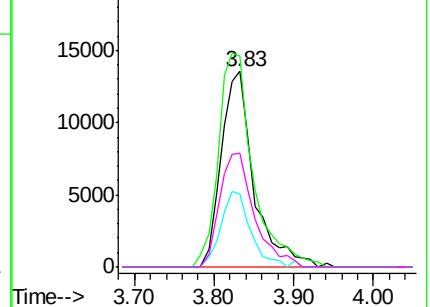


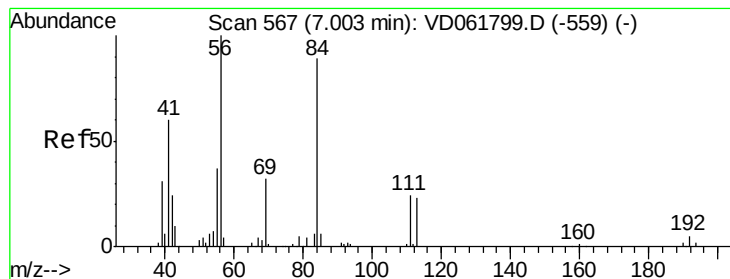
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.540 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.10 min

Lab File: VD061924.D

Acq: 19 Apr 2019 22:10

Instrument :

MSVOA_D

ClientSampled :

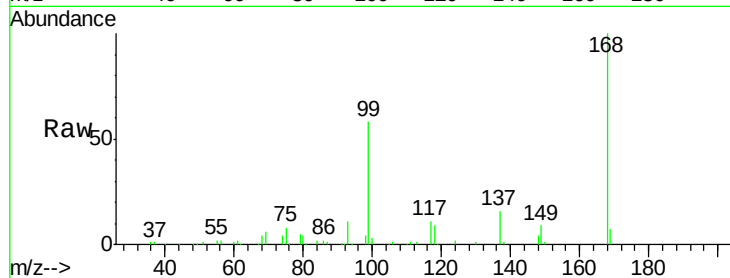
Tot Ion: 56 Resp: 10159

Ion Ratio Lower Upper

56 100

69 248.6 25.8 38.6#

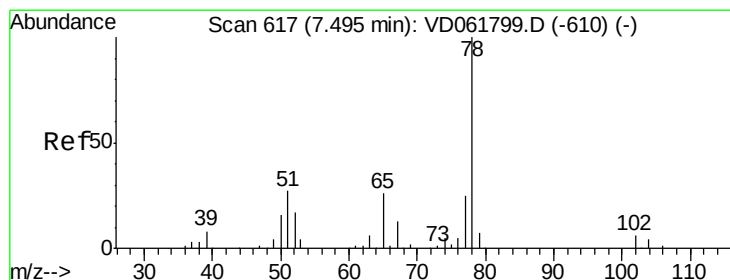
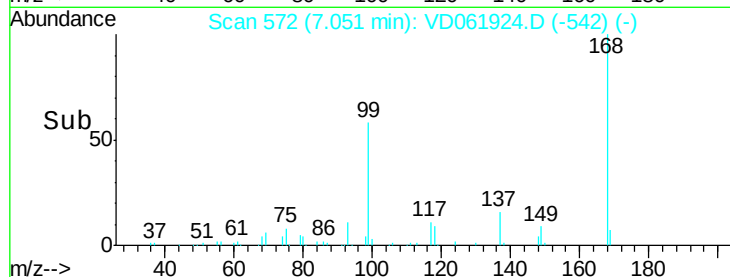
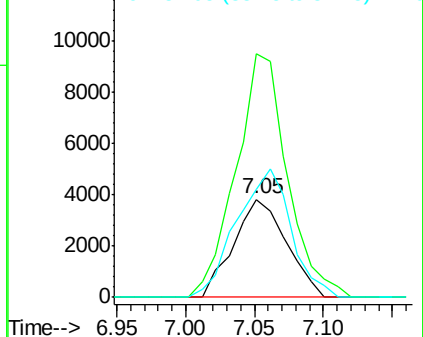
84 110.0 72.2 108.4#



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: 7.46 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061924.D

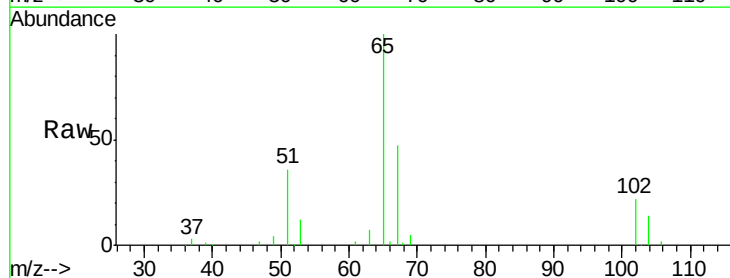
Acq: 19 Apr 2019 22:10

Tgt Ion: 65 Resp: 221912

Ion Ratio Lower Upper

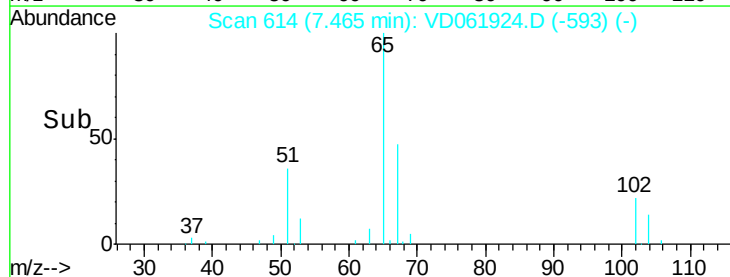
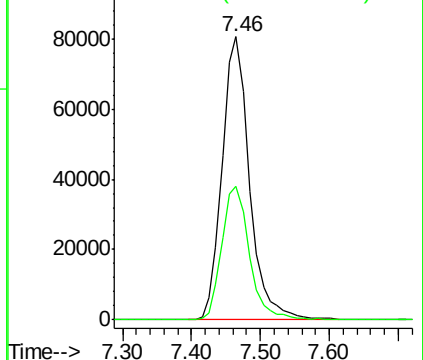
65 100

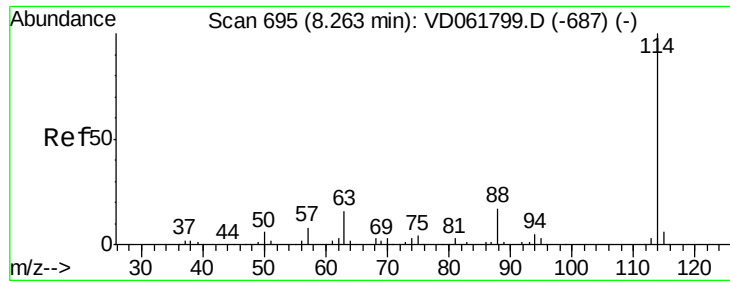
67 47.1 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

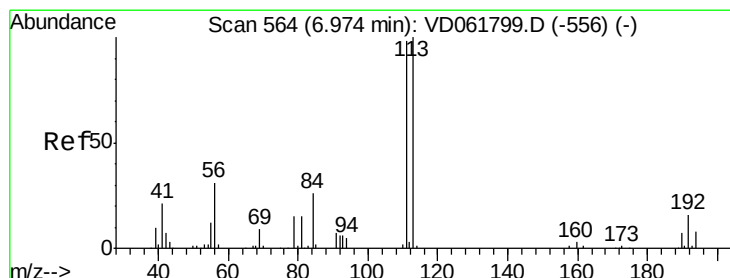
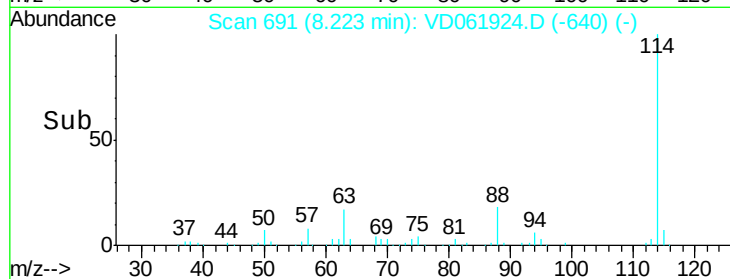
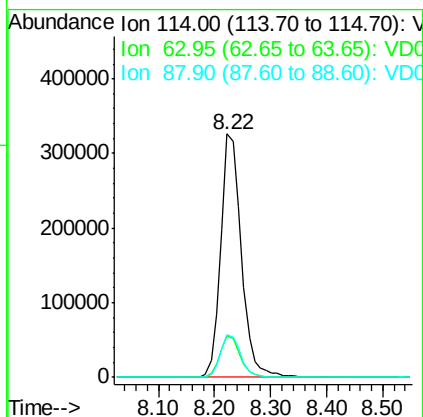
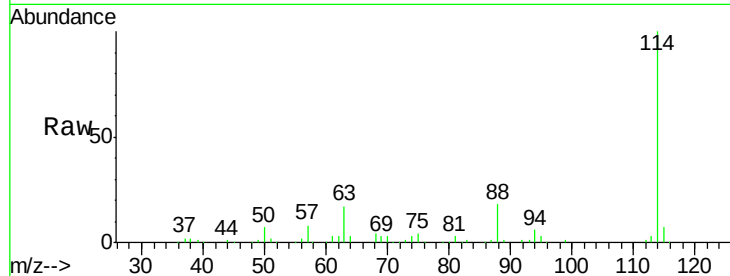




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD061924.D
 Acq: 19 Apr 2019 22:10

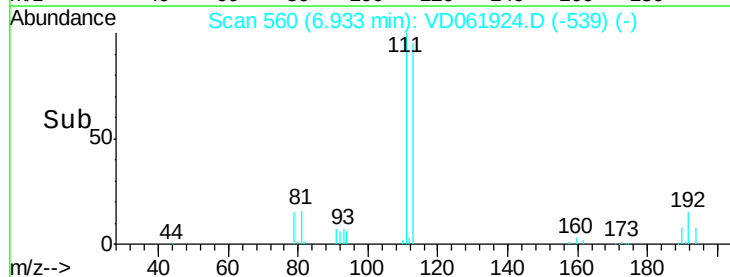
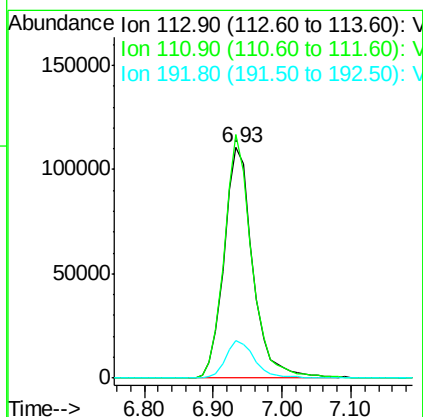
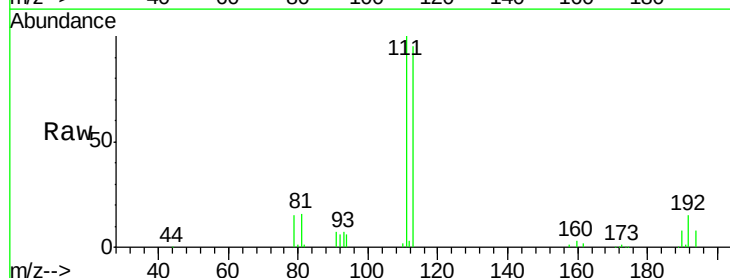
Instrument :
 MSVOA_D
 ClientSampleId :

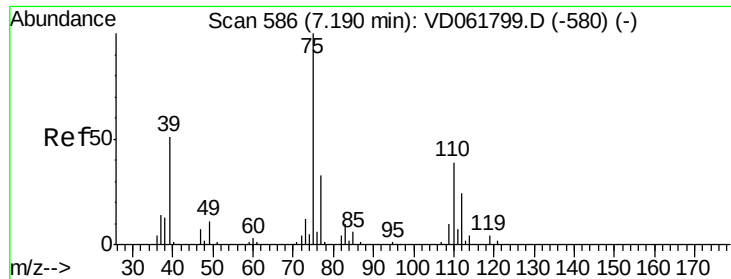
Tot Ion:114 Resp: 840240
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 32.4
 88 17.5 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061924.D
 Acq: 19 Apr 2019 22:10

Tgt Ion:113 Resp: 319824
 Ion Ratio Lower Upper
 113 100
 111 105.5 78.5 117.7
 192 16.0 13.0 19.4

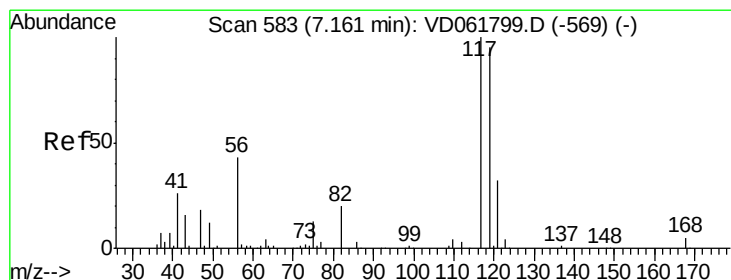
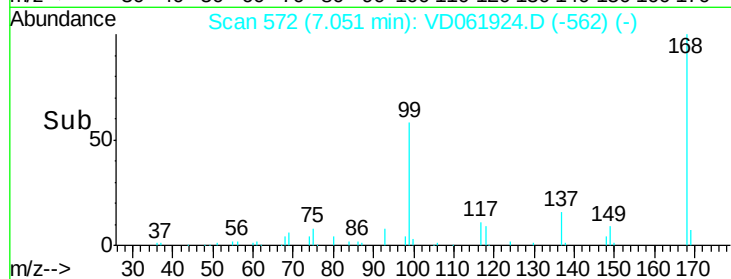
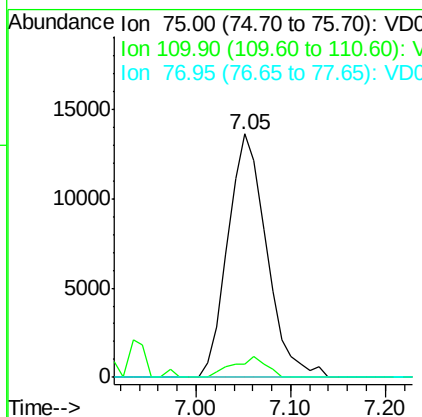
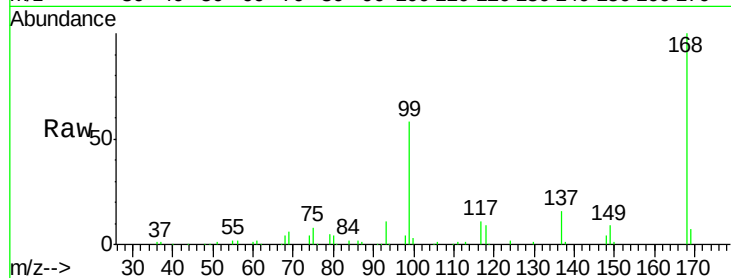




#36
 1,1-Dichloropropene
 Concen: 5.638 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.10 min
 Lab File: VD061924.D
 Acq: 19 Apr 2019 22:10

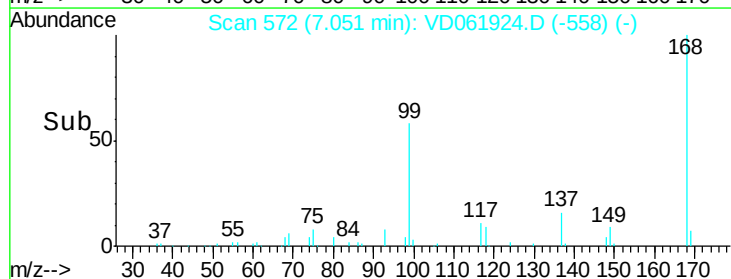
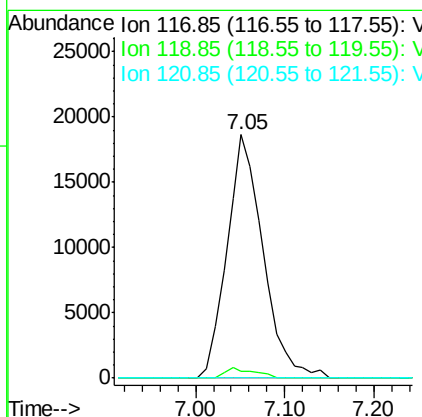
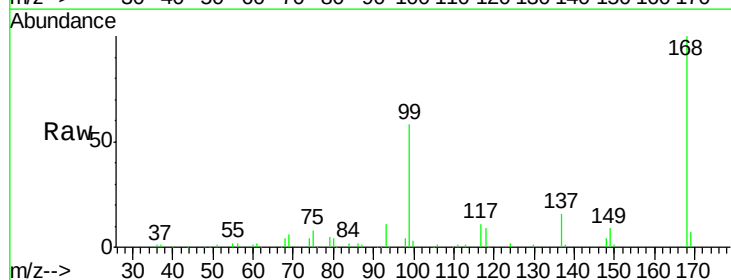
Instrument :
 MSVOA_D
 ClientSampleId :

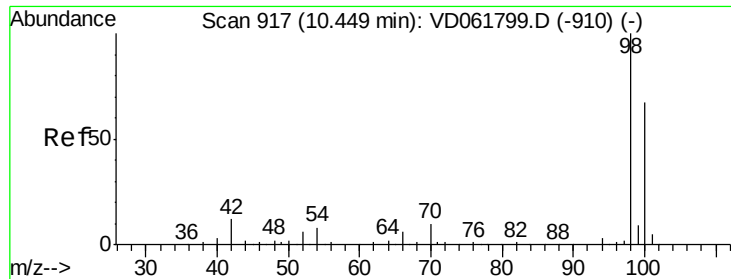
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.6	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.074 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD061924.D
 Acq: 19 Apr 2019 22:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.0	75.8	113.8#
121	0.0	25.9	38.9#

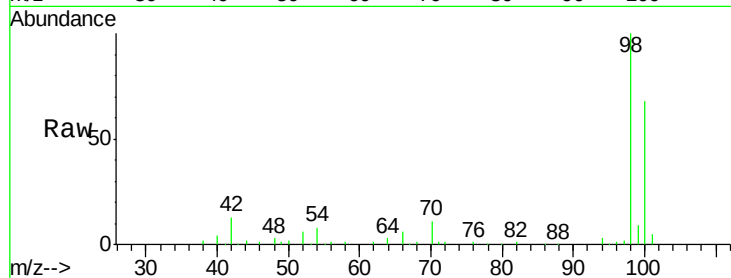




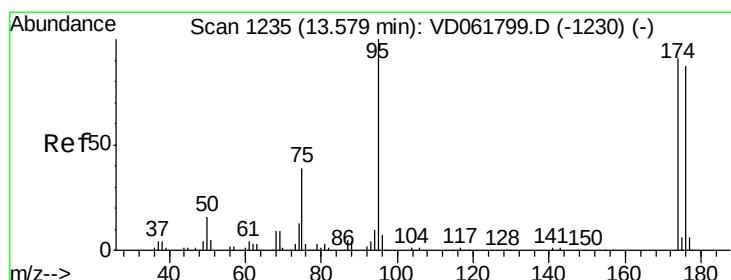
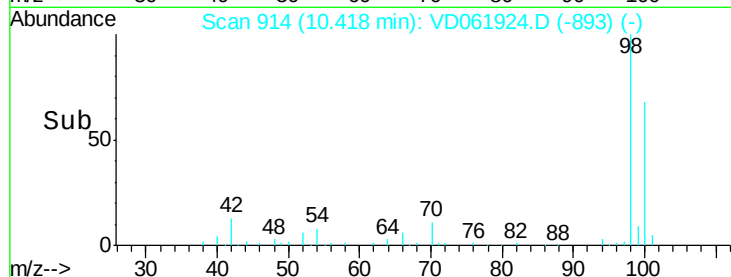
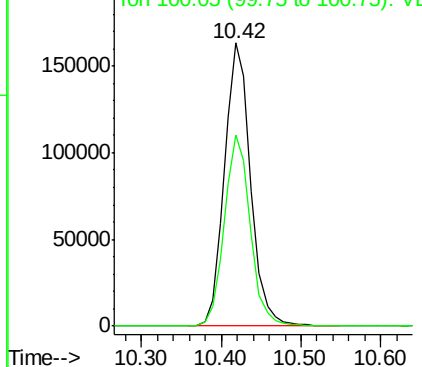
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061924.D
Acq: 19 Apr 2019 22:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 376346
Ion Ratio Lower Upper
98 100
100 67.7 53.8 80.8

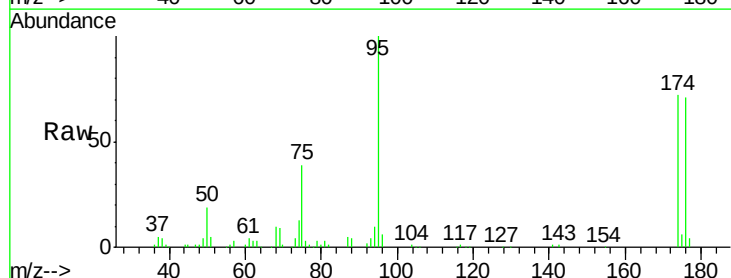


Abundance Ion 98.05 (97.75 to 98.75): VD061799.D (-910) (-)
Ion 100.05 (99.75 to 100.75): VD061799.D (-910) (-)

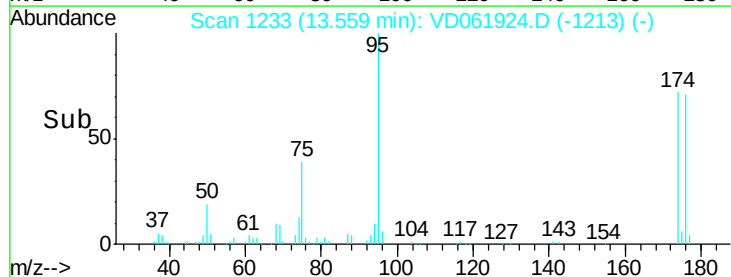
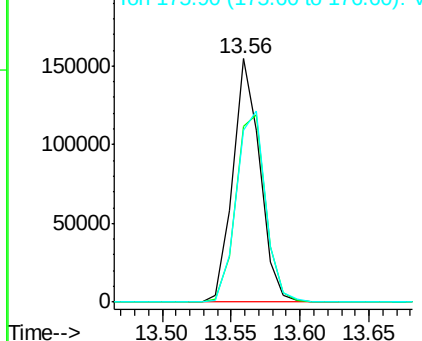


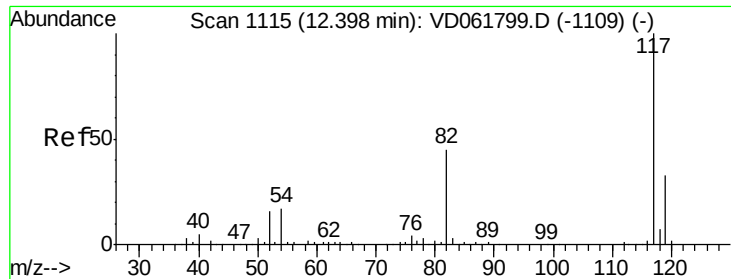
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD061924.D
Acq: 19 Apr 2019 22:10

Tgt Ion: 95 Resp: 211489
Ion Ratio Lower Upper
95 100
174 72.4 0.0 181.8
176 70.6 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061799.D (-1230) (-)
Ion 173.90 (173.60 to 174.60): VD061799.D (-1230) (-)
Ion 175.90 (175.60 to 176.60): VD061799.D (-1230) (-)

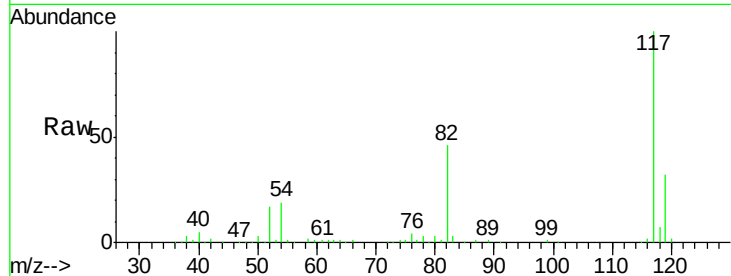




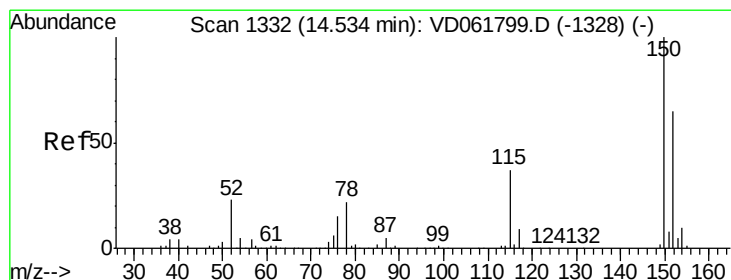
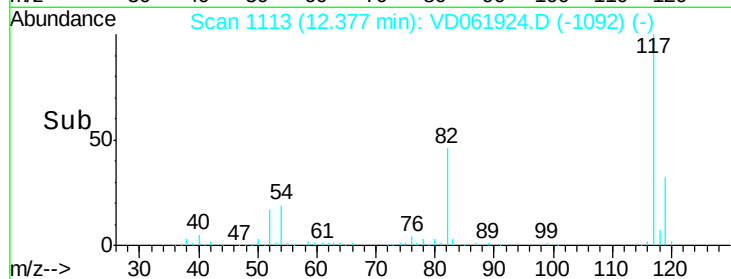
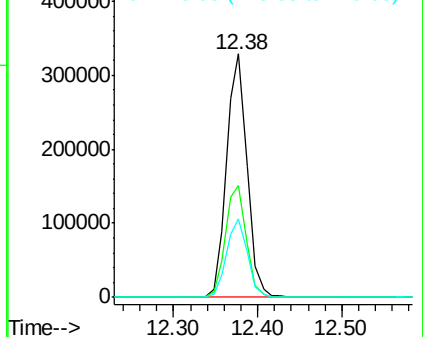
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061924.D
Acq: 19 Apr 2019 22:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 551464
Ion Ratio Lower Upper
117 100
82 46.0 36.2 54.2
119 32.1 26.2 39.4

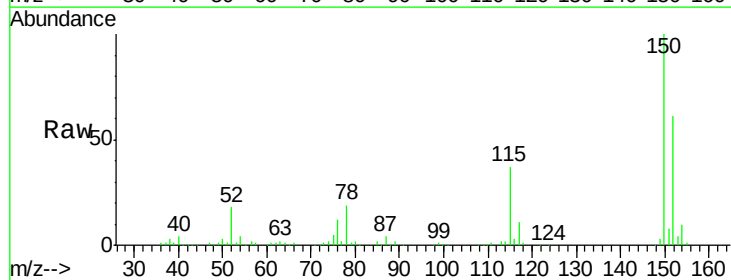


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

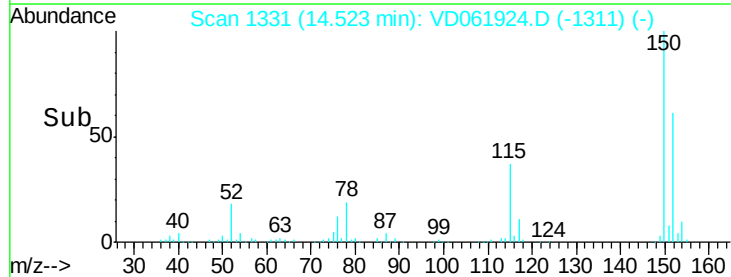
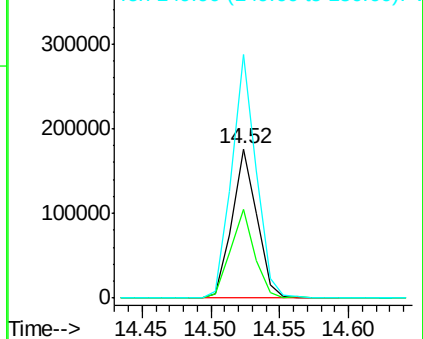


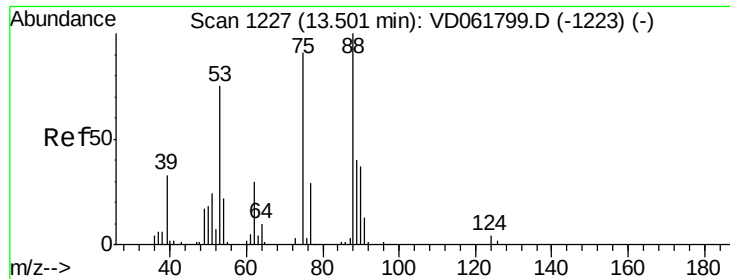
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VD061924.D
Acq: 19 Apr 2019 22:10

Tgt Ion:152 Resp: 222378
Ion Ratio Lower Upper
152 100
115 59.6 30.9 92.7
150 163.0 0.0 314.8



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: 84.479 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061924.D

Acq: 19 Apr 2019 22:10

Instrument :

MSVOA_D

ClientSampleId :

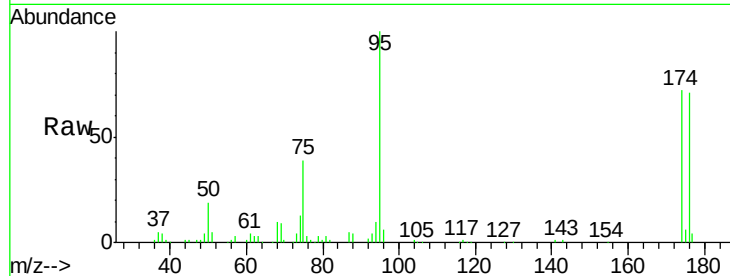
Tot Ion: 75 Resp: 82289

Ion Ratio Lower Upper

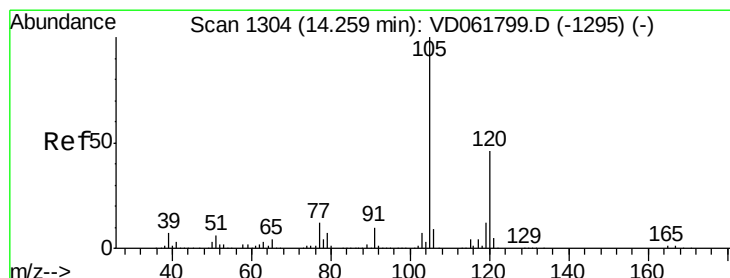
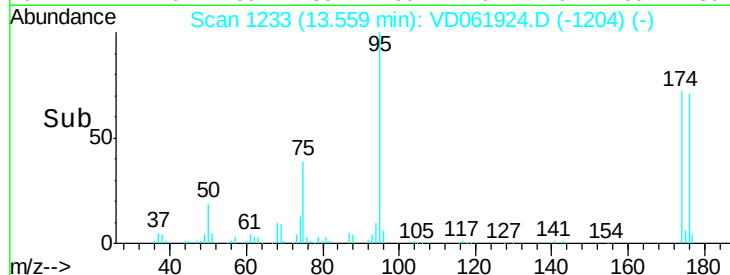
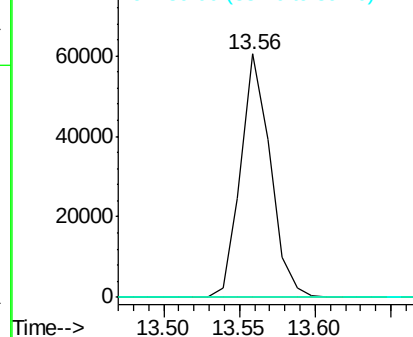
75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.547 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.01 min

Lab File: VD061924.D

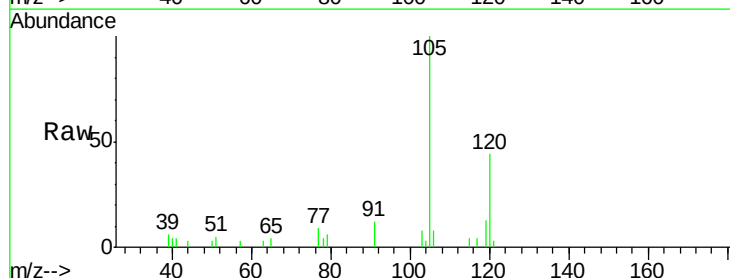
Acq: 19 Apr 2019 22:10

Tgt Ion:105 Resp: 17794

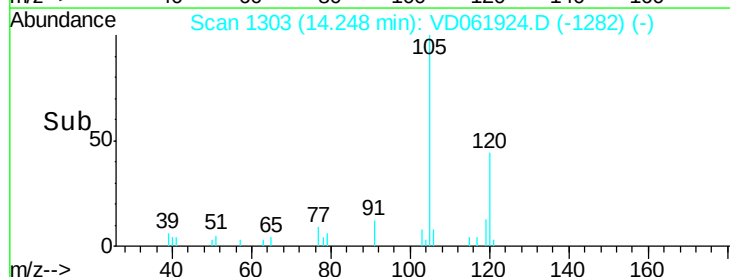
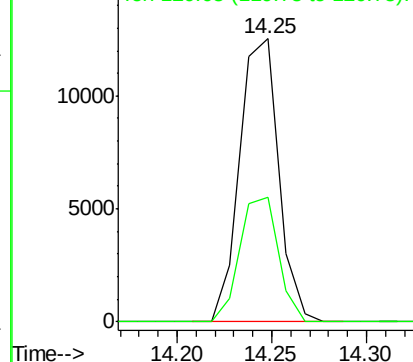
Ion Ratio Lower Upper

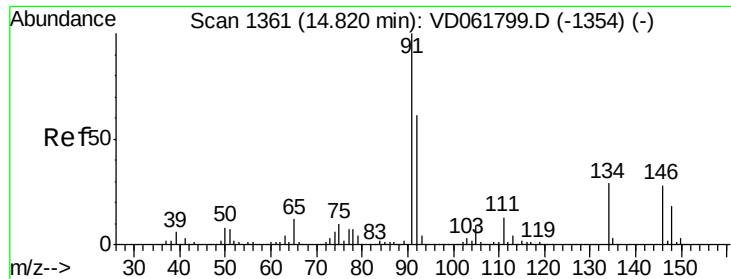
105 100

120 44.0 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#89

n-Butylbenzene

Concen: 1.084 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD061924.D

Acq: 19 Apr 2019 22:10

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 91 Resp: 12465

Ion Ratio Lower Upper

91 100

92 44.6 30.3 91.0

134 34.3 14.5 43.6

