

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042219\
 Data File : VD061941.D
 Acq On : 22 Apr 2019 16:22
 Operator : VA/AP
 Sample : K2201-09
 Misc : 5.73g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 22 23:32:58 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	7.04	168	430732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	811546	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	325139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	219233	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	190282	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
35) Dibromofluoromethane	6.91	113	294283	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
50) Toluene-d8	10.40	98	124999	8.60	ug/l	0.00
Spiked Amount			Recovery	=	17.20%	
62) 4-Bromofluorobenzene	13.55	95	203053	34.48	ug/l	0.00
Spiked Amount			Recovery	=	68.96%	

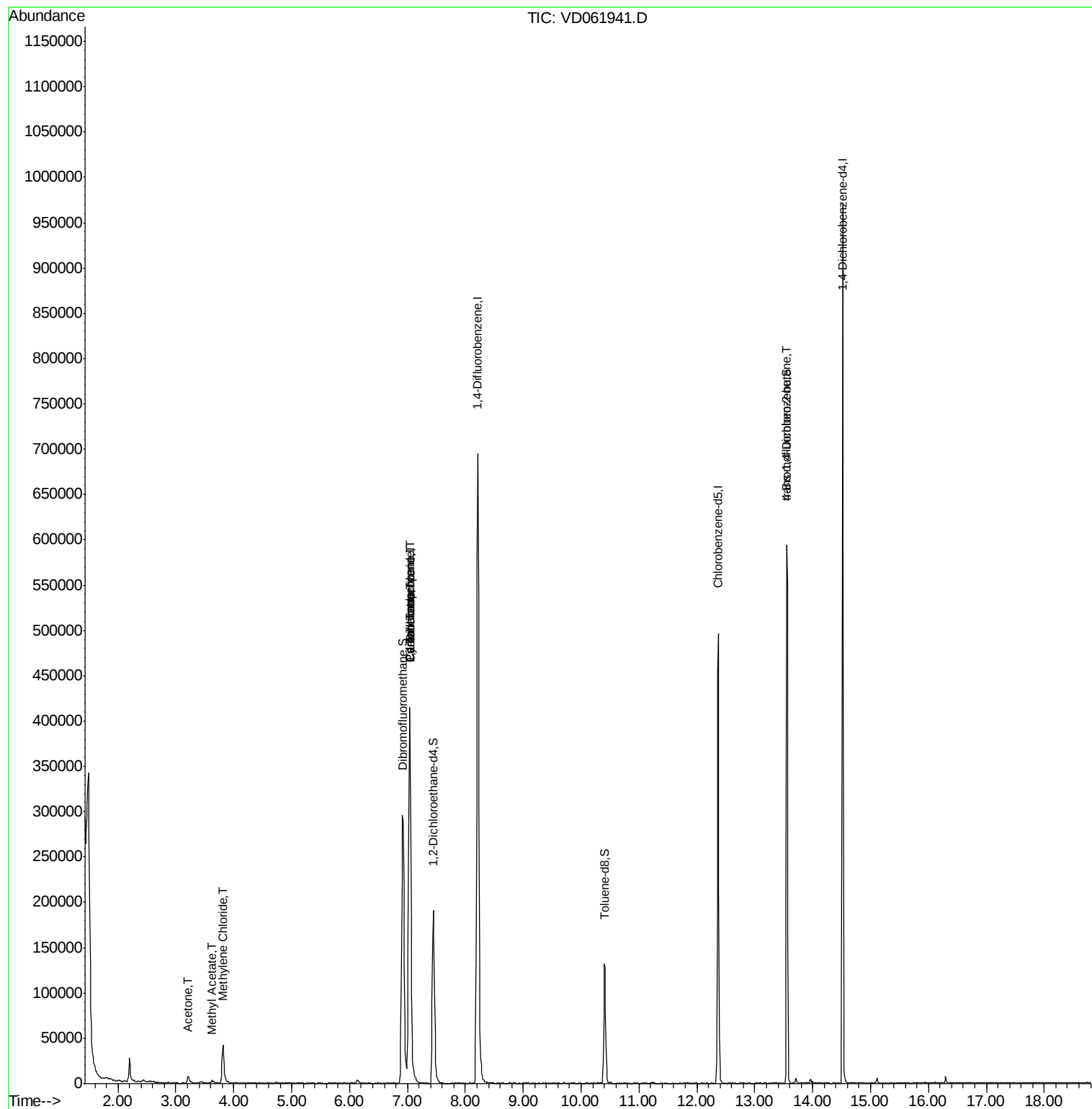
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	429	Below Cal	#	1
16) Acetone	3.21	43	14441	16.231	ug/l	97
18) Methyl Acetate	3.63	43	5607	3.144	ug/l #	89
20) Methylene Chloride	3.81	84	31206	2.719	ug/l	93
31) Cyclohexane	7.03	56	7301	1.336	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	30966	4.669	ug/l #	45
38) Carbon Tetrachloride	7.04	117	40626	4.852	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.55	75	76315	79.667	ug/l #	16

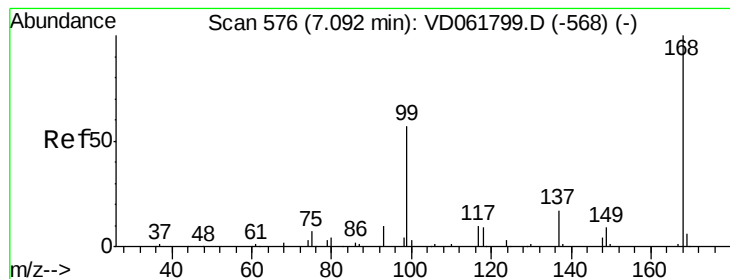
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042219\
Data File : VD061941.D
Acq On : 22 Apr 2019 16:22
Operator : VA/AP
Sample : K2201-09
Misc : 5.73g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 22 23:32:58 2019
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: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061941.D

Acq: 22 Apr 2019 16:22

Instrument :

MSVOA_D

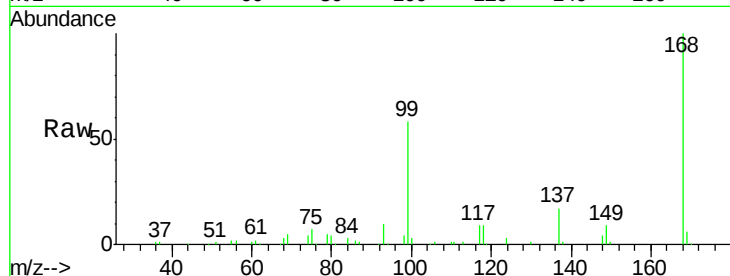
ClientSampleId :

Tot Ion:168 Resp: 430732

Ion Ratio Lower Upper

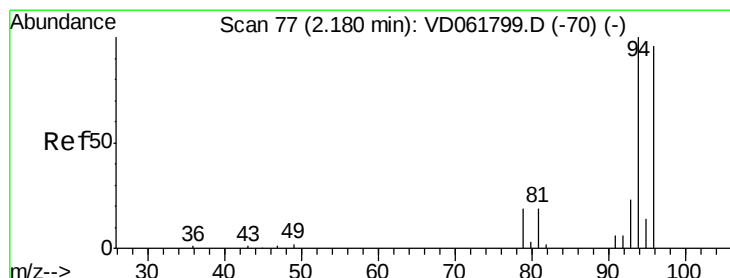
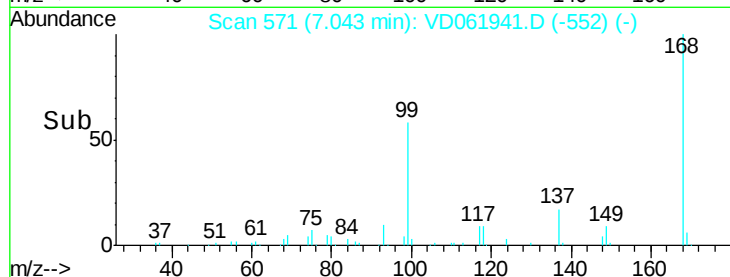
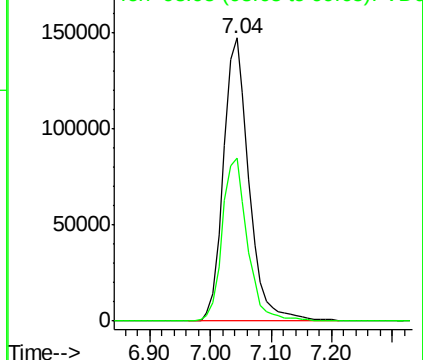
168 100

99 57.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD061941.D

Acq: 22 Apr 2019 16:22

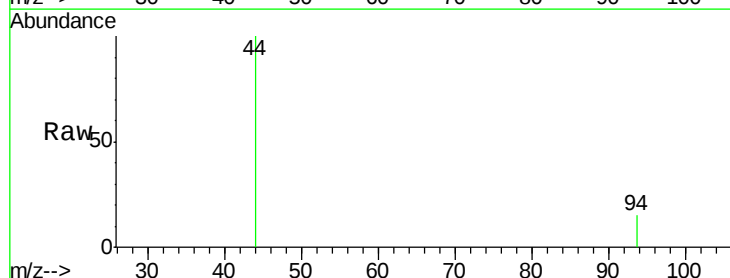
Tgt Ion: 94 Resp: 429

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

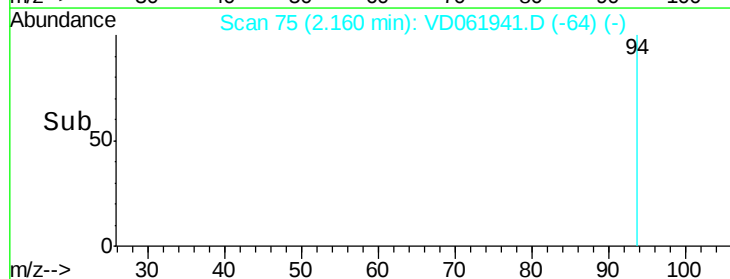
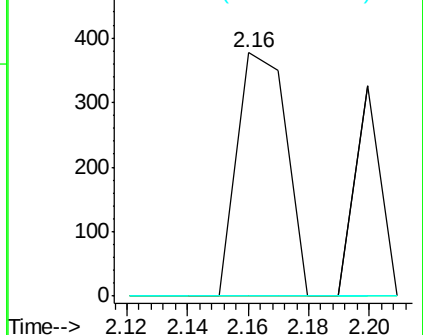
93 100.0 18.5 27.7#

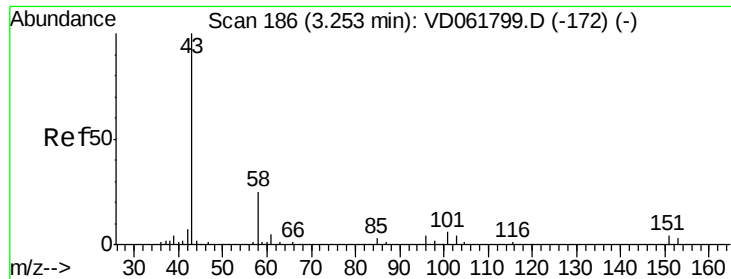


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 16.231 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD061941.D

Acq: 22 Apr 2019 16:22

Instrument :

MSVOA_D

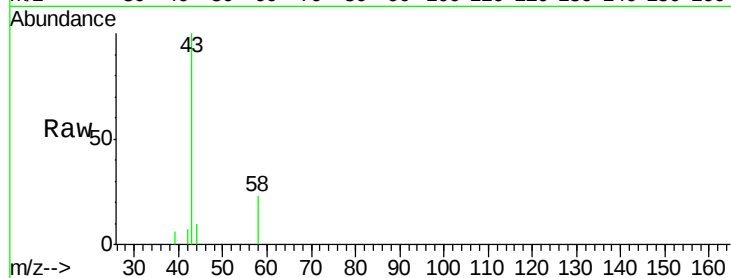
ClientSampleId :

Tot Ion: 43 Resp: 14441

Ion Ratio Lower Upper

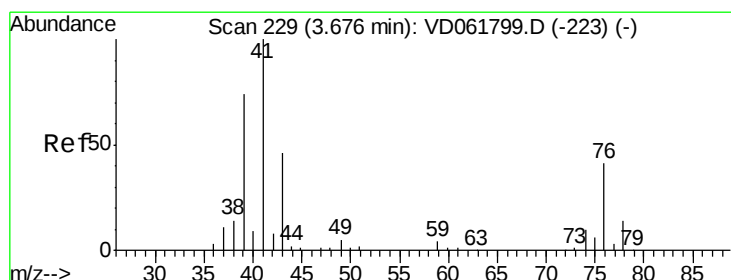
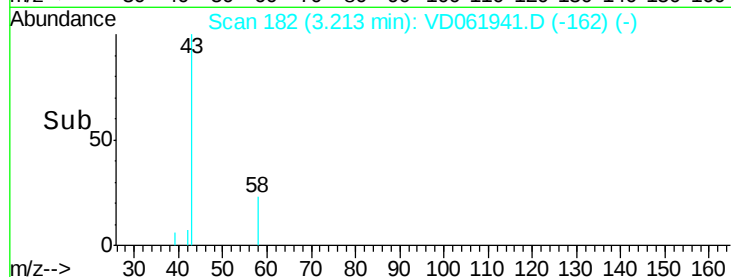
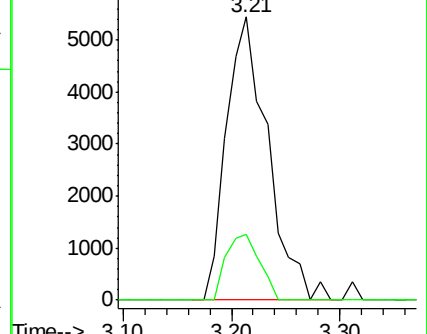
43 100

58 23.3 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 3.144 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061941.D

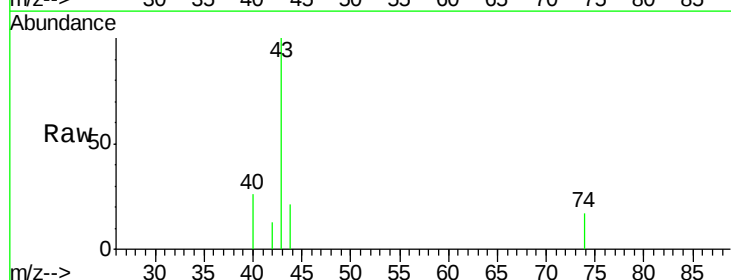
Acq: 22 Apr 2019 16:22

Tgt Ion: 43 Resp: 5607

Ion Ratio Lower Upper

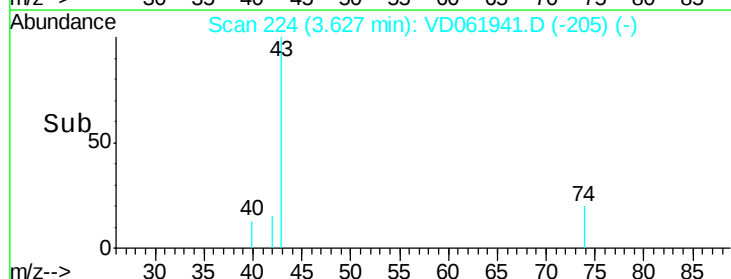
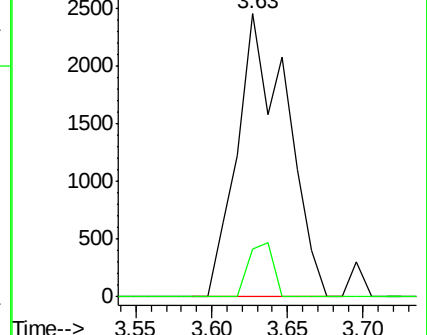
43 100

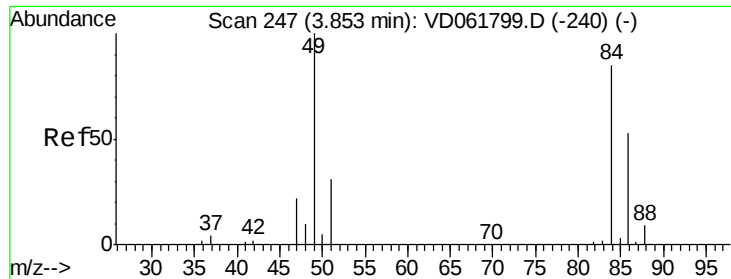
74 17.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

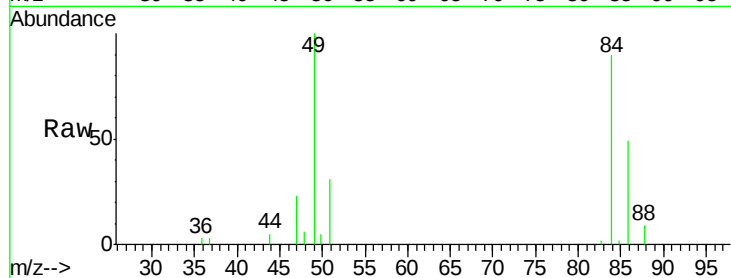




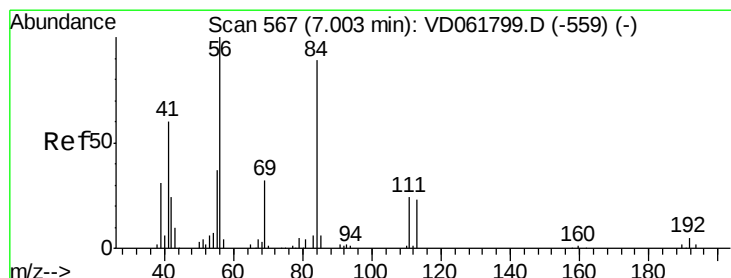
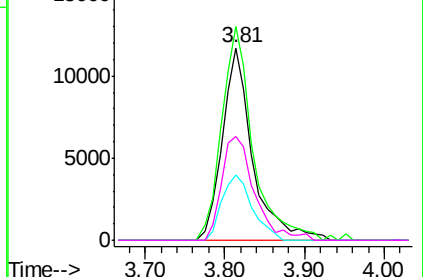
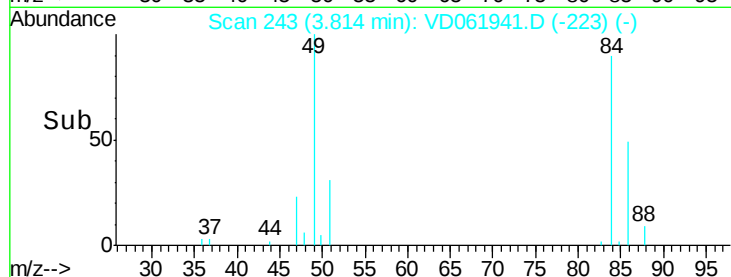
#20
Methvlene Chloride
Concen: 2.719 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD061941.D
Acq: 22 Apr 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 31206
Ion Ratio Lower Upper
84 100
49 110.9 94.0 141.0
51 34.1 29.0 43.4
86 53.8 49.8 74.6

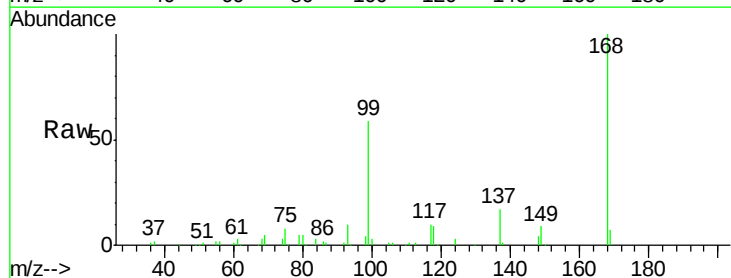


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

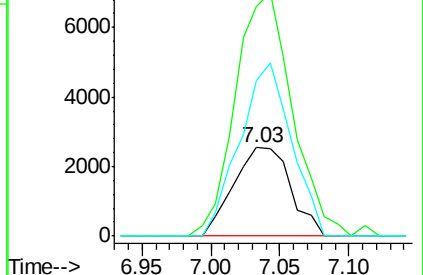
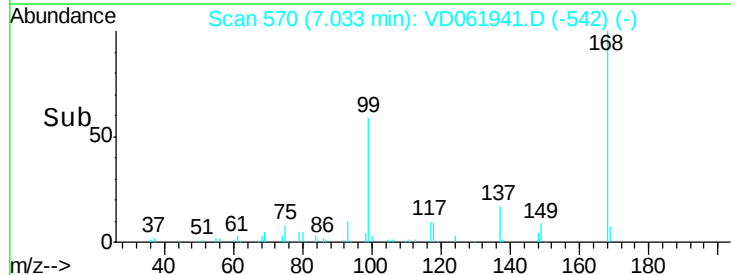


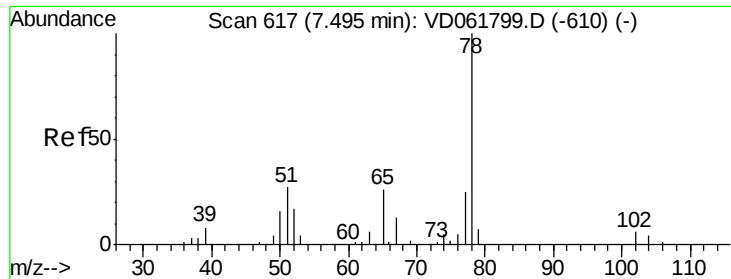
#31
Cyclohexane
Concen: 1.336 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.08 min
Lab File: VD061941.D
Acq: 22 Apr 2019 16:22

Tgt Ion: 56 Resp: 7301
Ion Ratio Lower Upper
56 100
69 259.9 25.8 38.6#
84 175.4 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

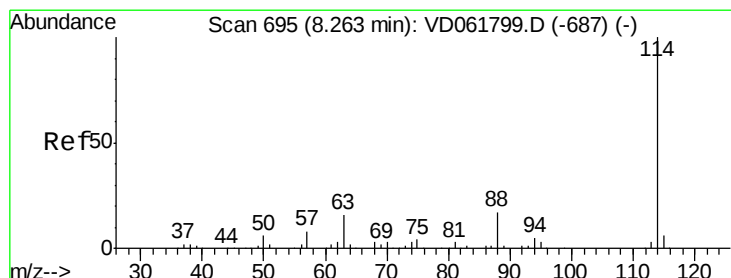
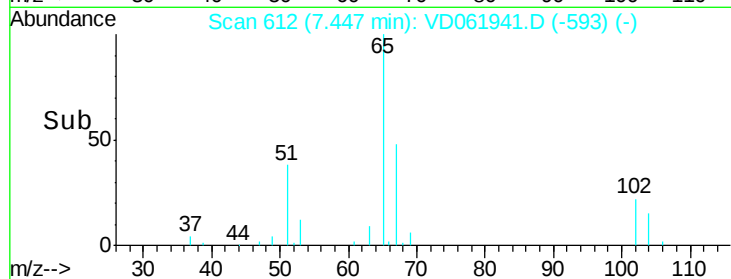
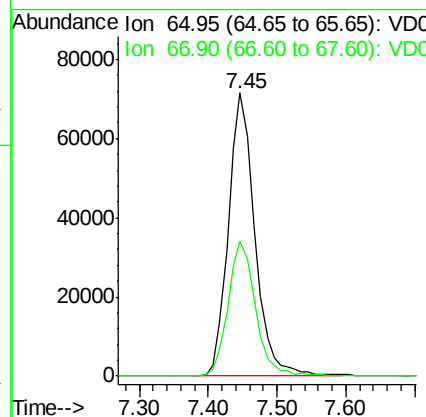
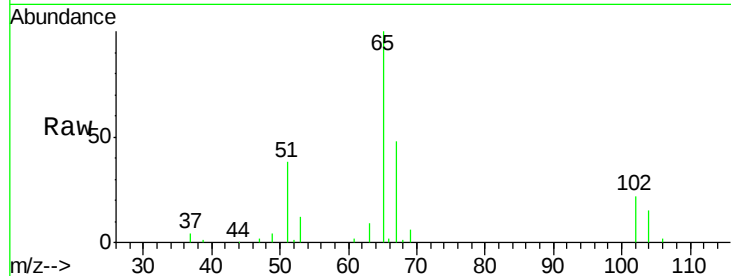




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD061941.D
 Acq: 22 Apr 2019 16:22

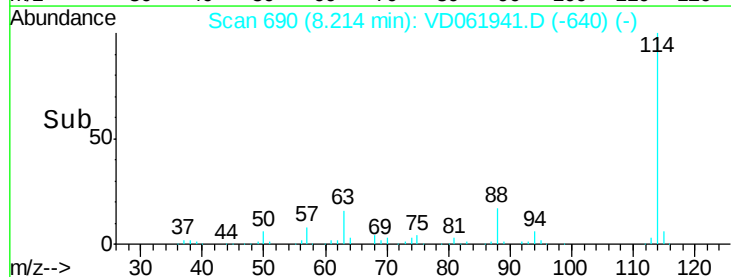
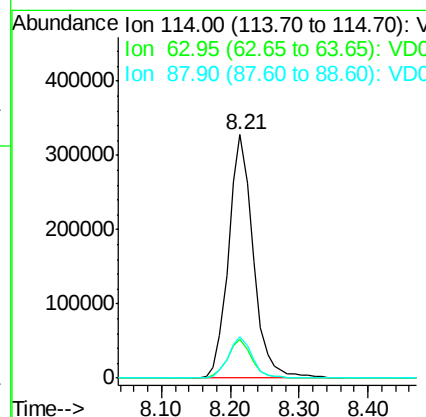
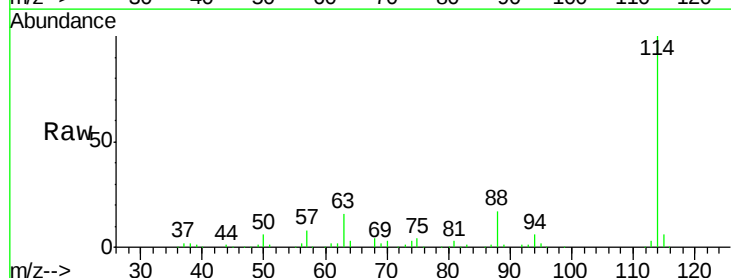
Instrument :
 MSVOA_D
 ClientSampleId :

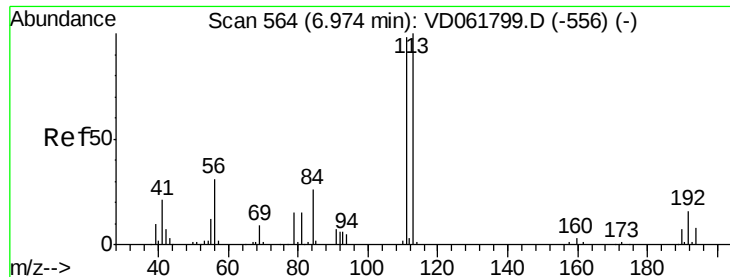
Tot Ion: 65 Resp: 190282
 Ion Ratio Lower Upper
 65 100
 67 47.6 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD061941.D
 Acq: 22 Apr 2019 16:22

Tgt Ion: 114 Resp: 811546
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 32.4
 88 17.0 0.0 33.6

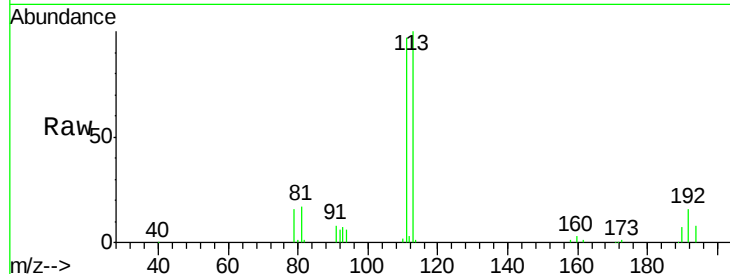




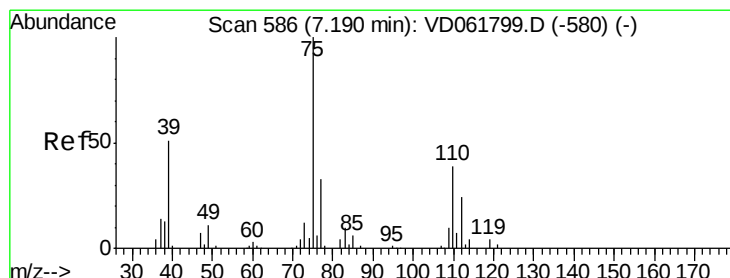
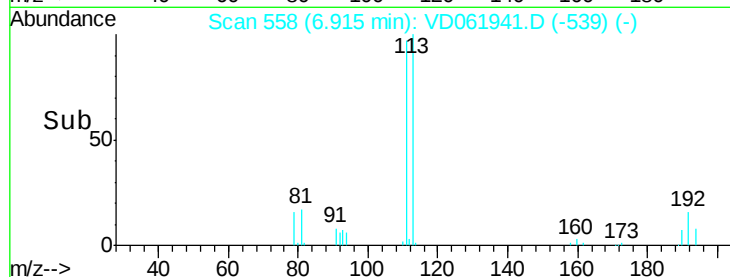
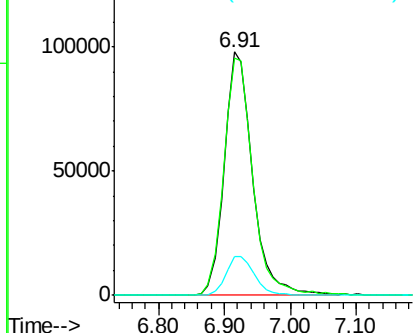
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061941.D
 Acq: 22 Apr 2019 16:22

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 294283
 Ion Ratio Lower Upper
 113 100
 111 97.4 78.5 117.7
 192 15.8 13.0 19.4

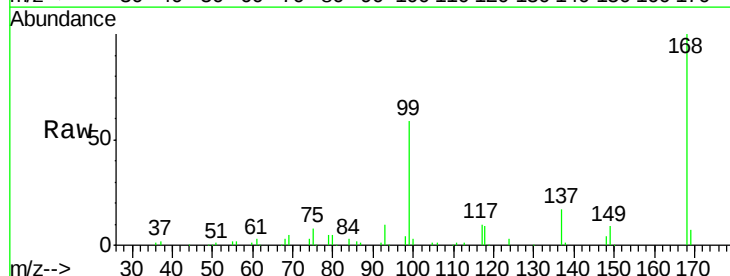


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

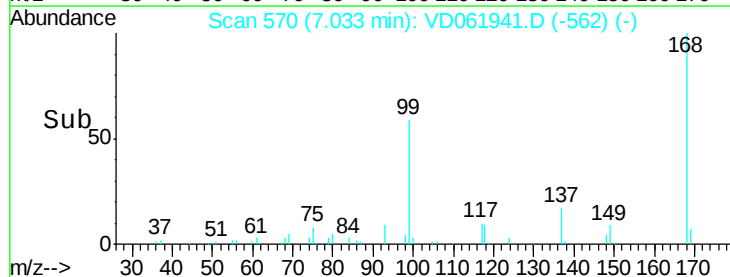
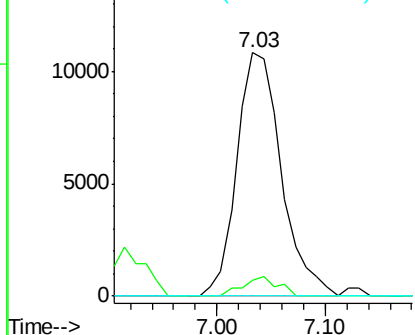


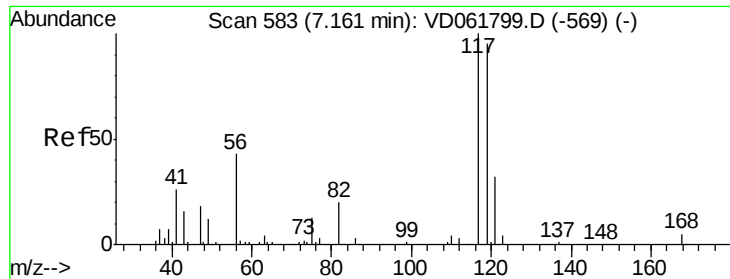
#36
 1,1-Dichloropropene
 Concen: 4.669 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.12 min
 Lab File: VD061941.D
 Acq: 22 Apr 2019 16:22

Tgt Ion: 75 Resp: 30966
 Ion Ratio Lower Upper
 75 100
 110 6.2 19.1 57.1#
 77 0.0 25.6 38.4#



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: 4.852 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061941.D

Acq: 22 Apr 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

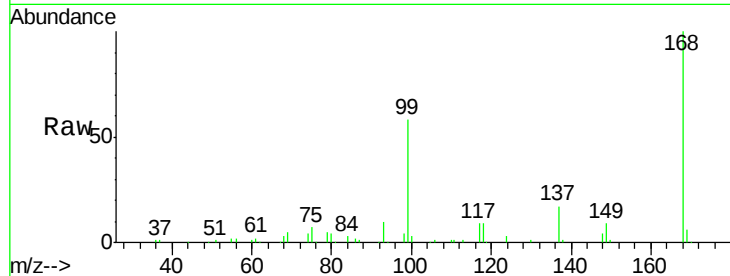
Tot Ion:117 Resp: 40626

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

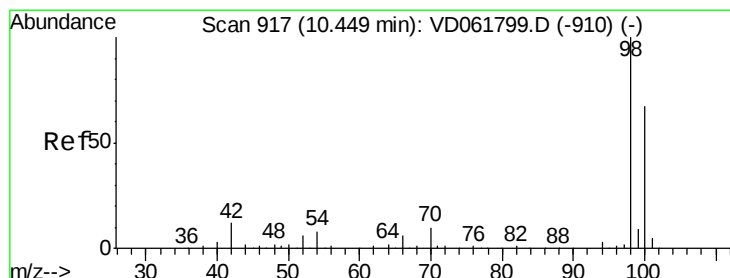
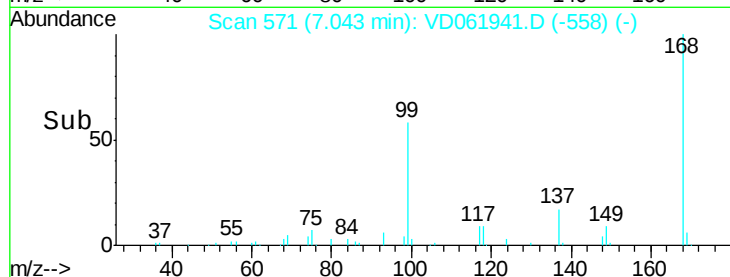
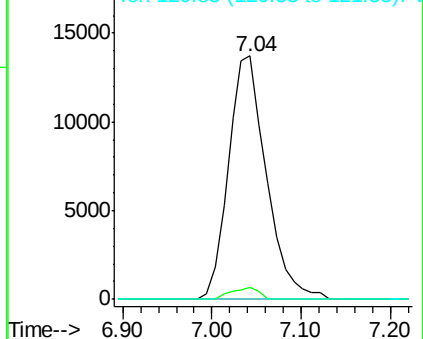
121 0.0 25.9 38.9#



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: 10.40 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD061941.D

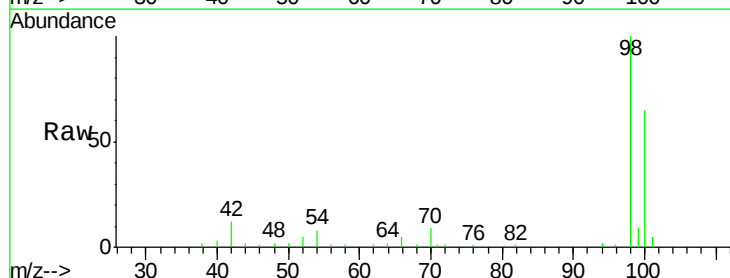
Acq: 22 Apr 2019 16:22

Tgt Ion: 98 Resp: 124999

Ion Ratio Lower Upper

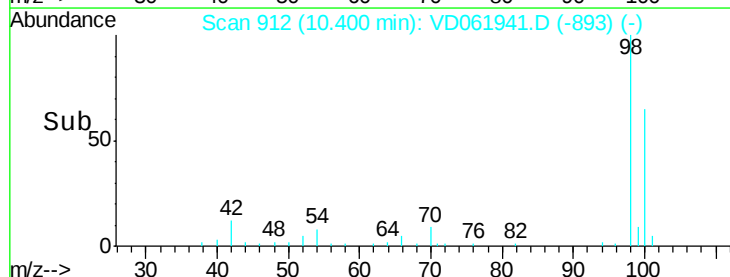
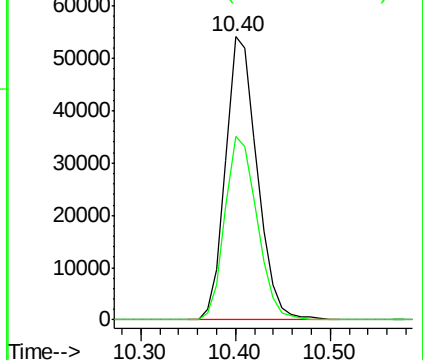
98 100

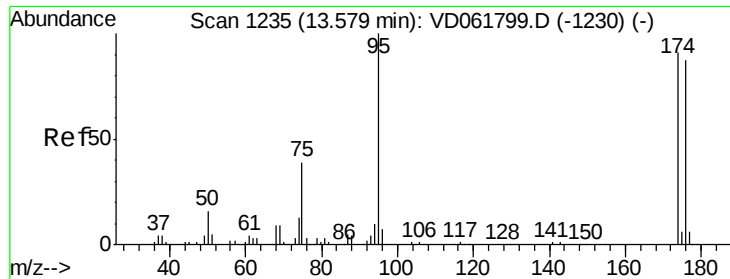
100 65.0 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

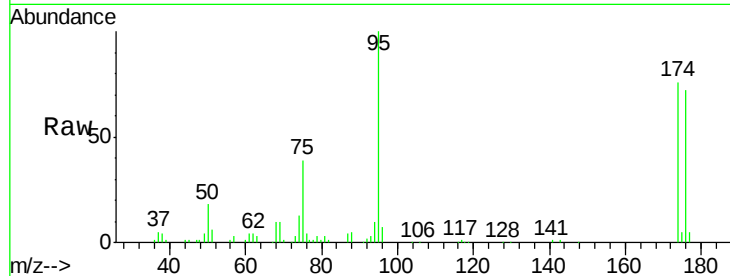




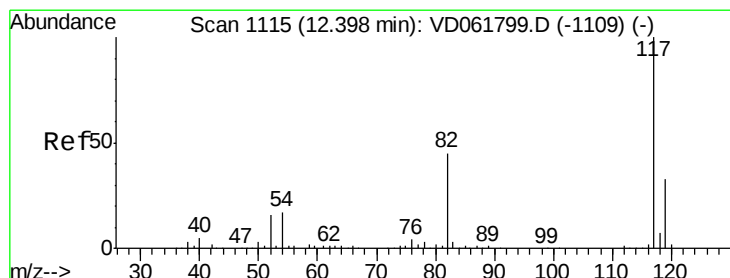
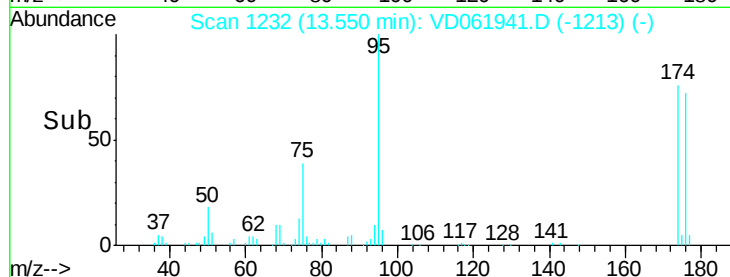
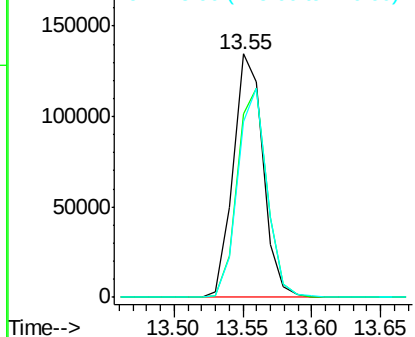
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD061941.D
Acq: 22 Apr 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 203053
Ion Ratio Lower Upper
95 100
174 75.5 0.0 181.8
176 72.0 0.0 174.4

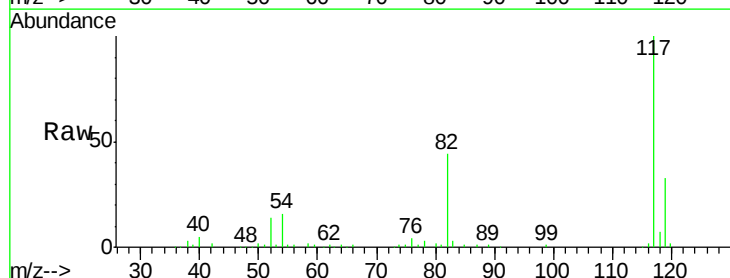


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

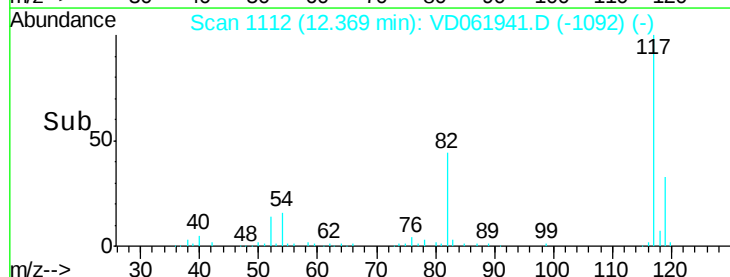
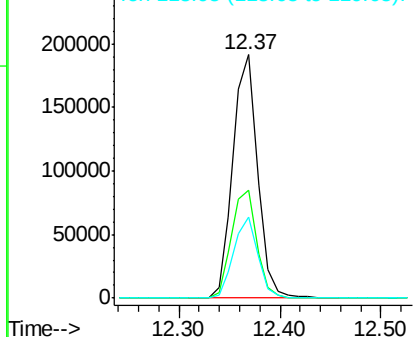


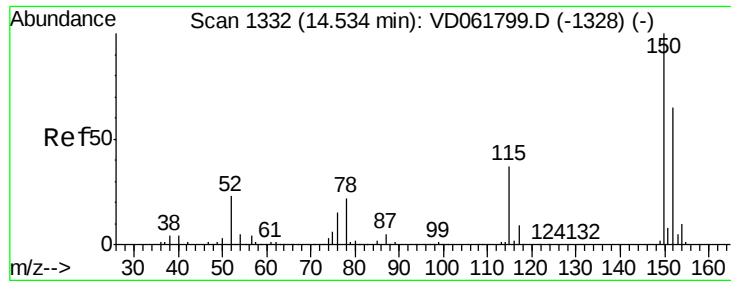
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061941.D
Acq: 22 Apr 2019 16:22

Tgt Ion: 117 Resp: 325139
Ion Ratio Lower Upper
117 100
82 44.1 36.2 54.2
119 33.5 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: 14.51 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD061941.D

Acq: 22 Apr 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

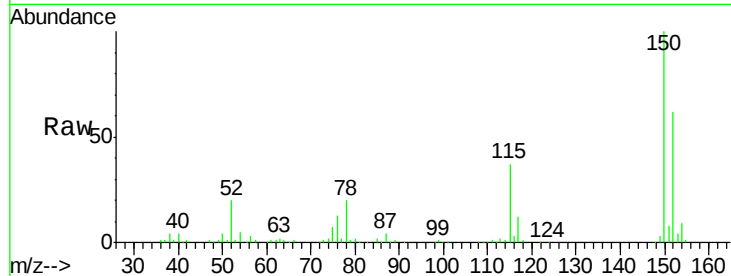
Tot Ion:152 Resp: 219233

Ion Ratio Lower Upper

152 100

115 60.1 30.9 92.7

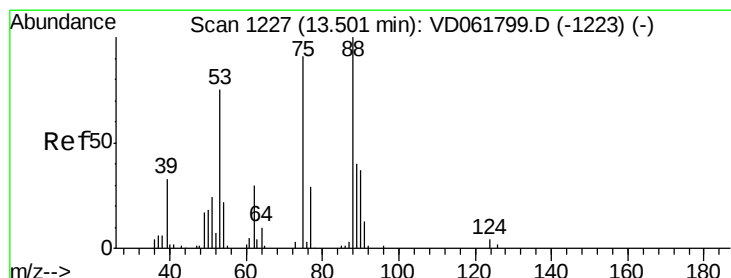
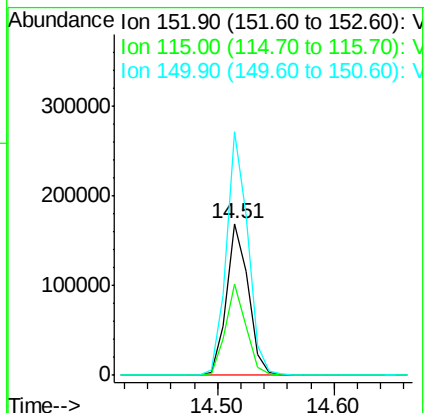
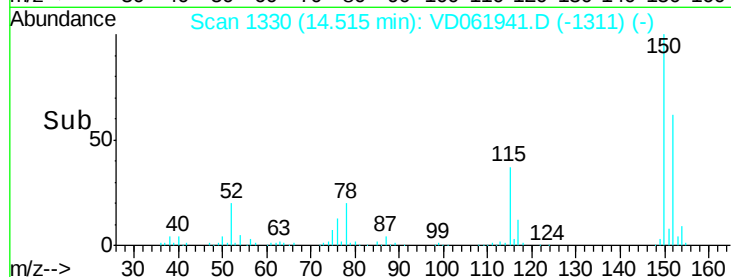
150 160.3 0.0 314.8



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: 79.667 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061941.D

Acq: 22 Apr 2019 16:22

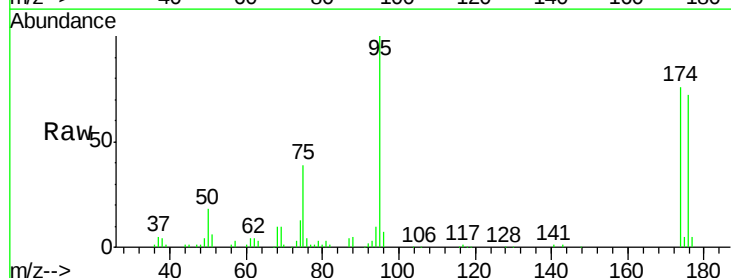
Tgt Ion: 75 Resp: 76315

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

