

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042219\
 Data File : VD061946.D
 Acq On : 22 Apr 2019 18:43
 Operator : VA/AP
 Sample : K2484-01
 Misc : 6.91g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 22 23:34:02 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	384607	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	667918	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	479221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	209560	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	212855	66.03	ug/l	0.00
Spiked Amount			Recovery	=	132.06%	
35) Dibromofluoromethane	6.92	113	280950	55.68	ug/l	0.00
Spiked Amount			Recovery	=	111.36%	
50) Toluene-d8	10.40	98	597597	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	13.55	95	204088	42.11	ug/l	0.00
Spiked Amount			Recovery	=	84.22%	

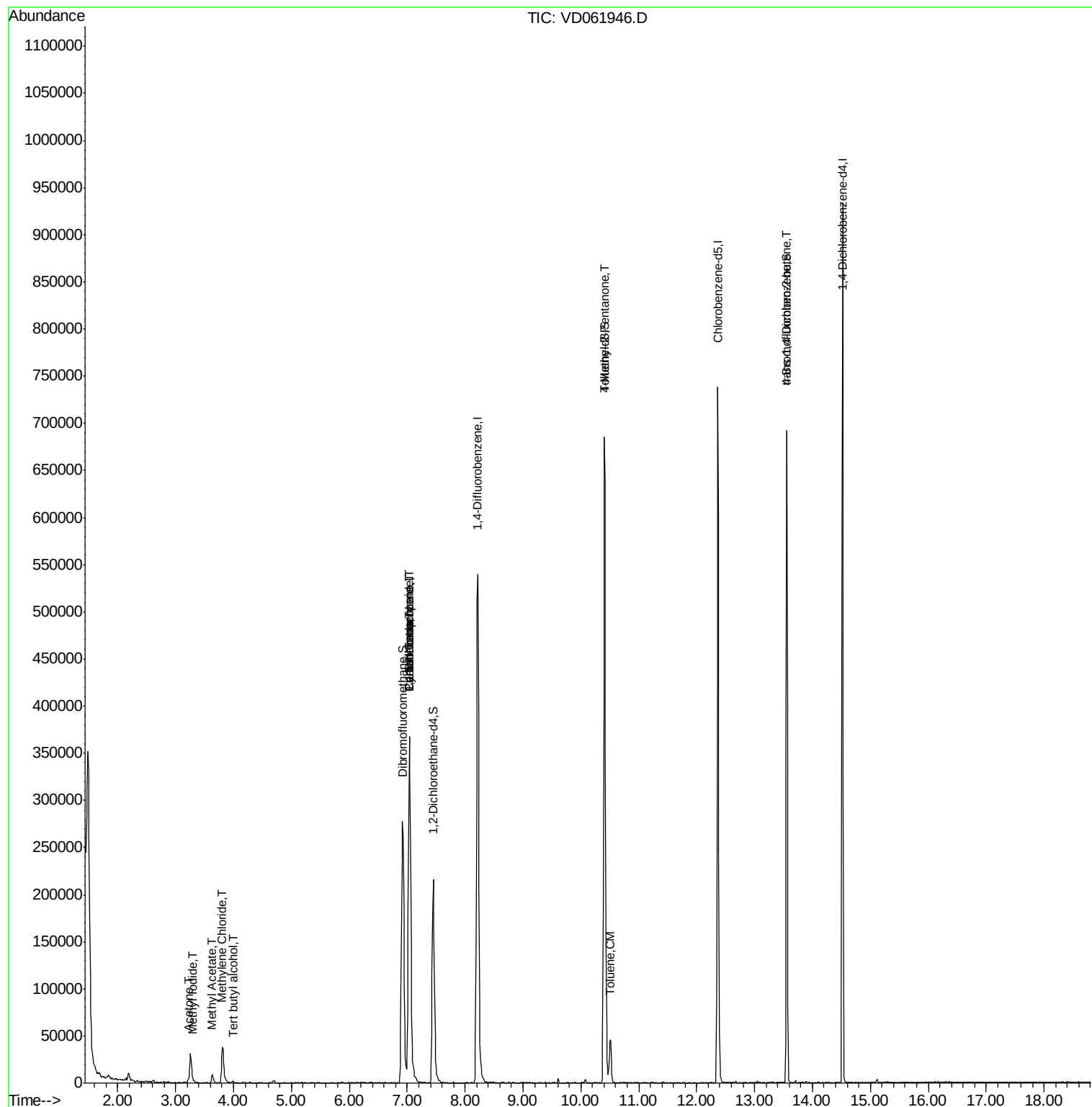
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	196	Below Cal	#	12
10) Methyl Iodide	3.31	142	2418	3.842	ug/l #	37
11) Tert butyl alcohol	3.99	59	1155	6.076	ug/l #	76
16) Acetone	3.22	43	6346	7.988	ug/l	96
18) Methyl Acetate	3.63	43	14926	9.374	ug/l #	86
20) Methylene Chloride	3.81	84	28499	2.896	ug/l	89
31) Cyclohexane	7.04	56	6402	1.312	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	28048	5.139	ug/l #	46
38) Carbon Tetrachloride	7.04	117	35972	5.219	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	2158	1.073	ug/l #	1
52) Toluene	10.51	92	26529	3.159	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.55	75	78683	85.669	ug/l #	16

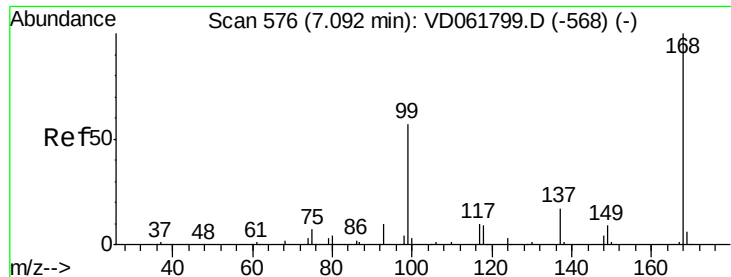
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042219\
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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# 570

Delta R.T. -0.01 min

Lab File: VD061946.D

Acq: 22 Apr 2019 18:43

Instrument :

MSVOA_D

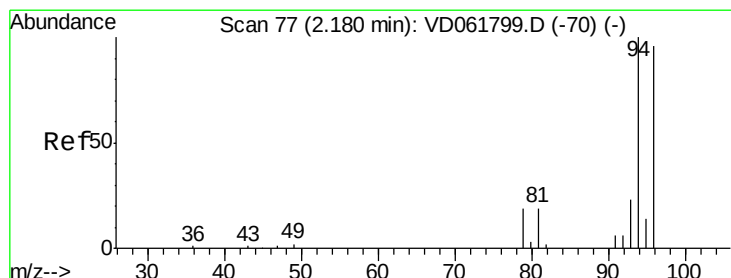
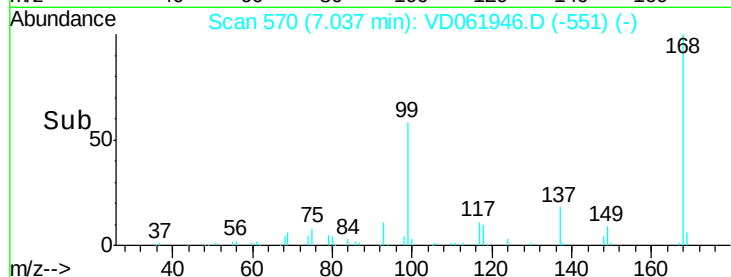
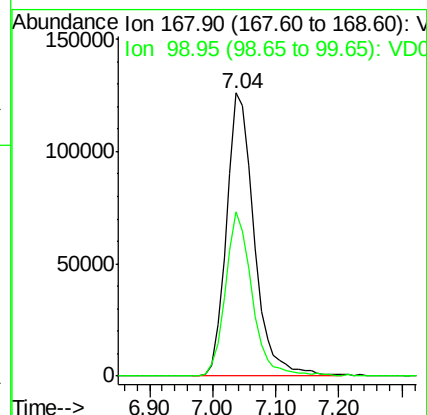
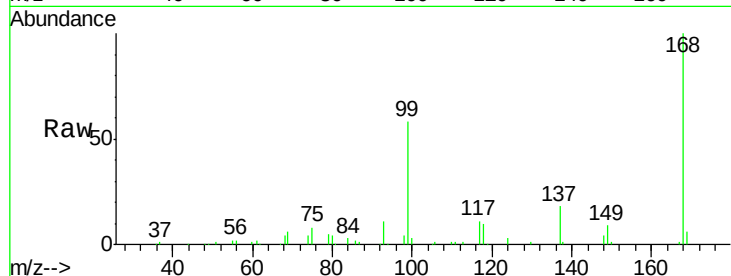
ClientSampleId :

Tot Ion:168 Resp: 384607

Ion Ratio Lower Upper

168 100

99 58.1 46.5 69.7



#5

Bromomethane

Concen: Below Cal

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD061946.D

Acq: 22 Apr 2019 18:43

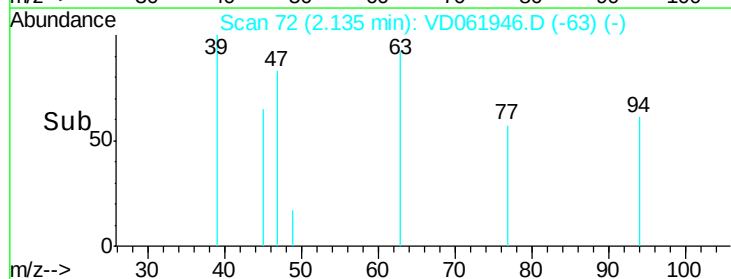
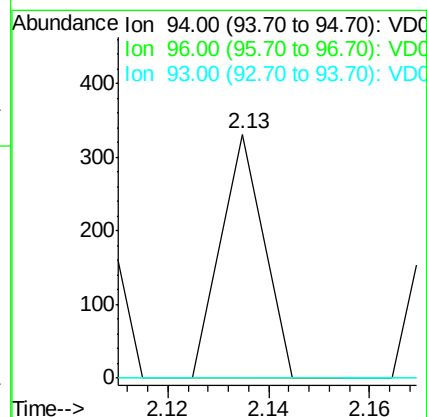
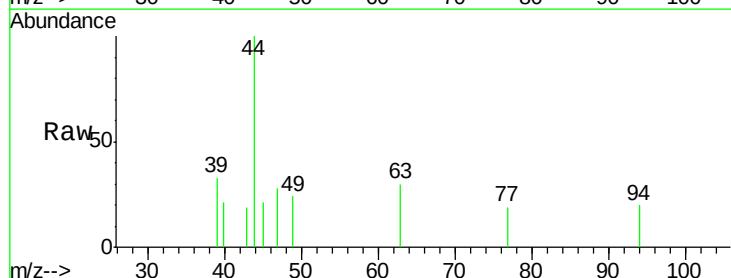
Tgt Ion: 94 Resp: 196

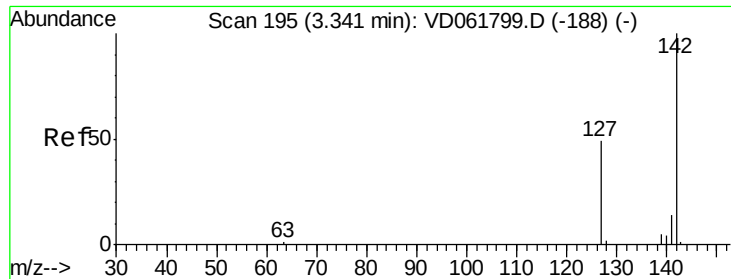
Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#

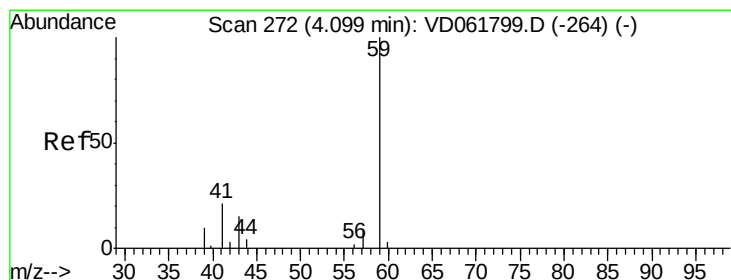
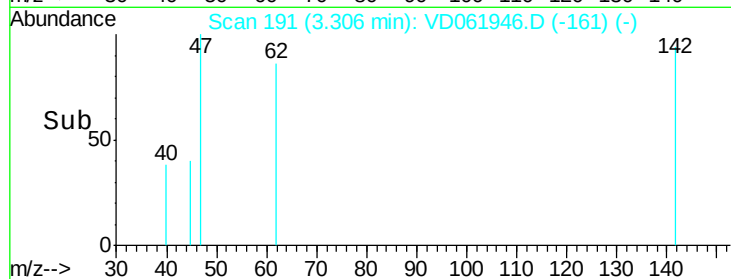
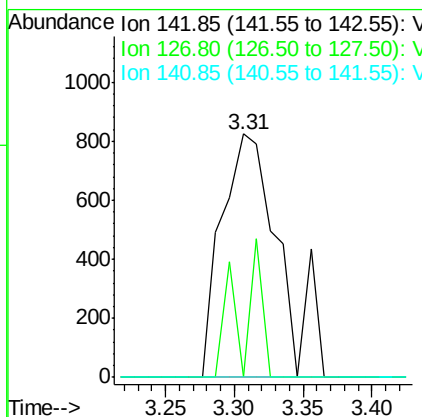
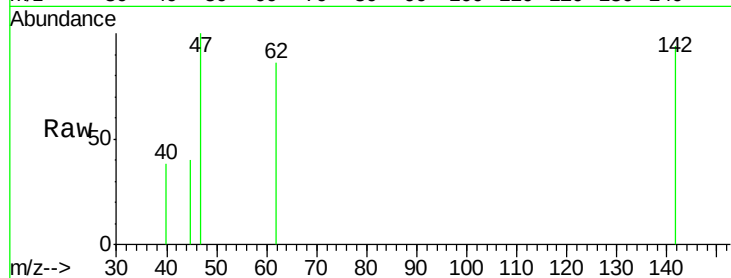




#10
Methvl Iodide
Concen: 3.842 ug/l
RT: 3.31 min Scan# 191
Delta R.T. -0.00 min
Lab File: VD061946.D
Acq: 22 Apr 2019 18:43

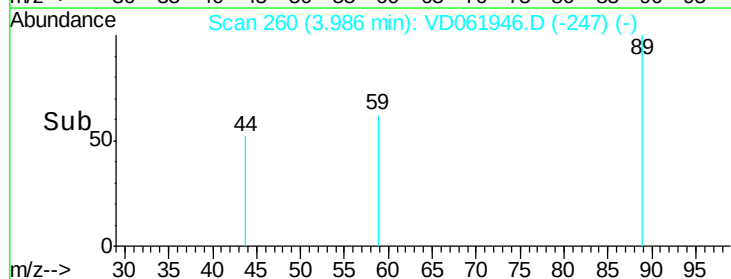
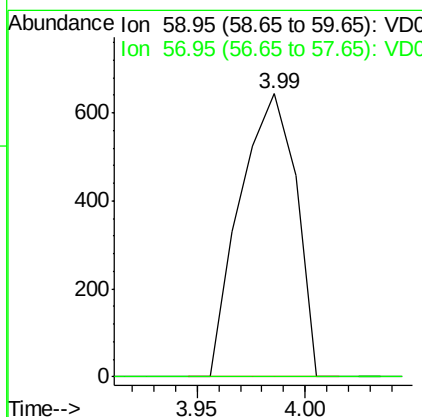
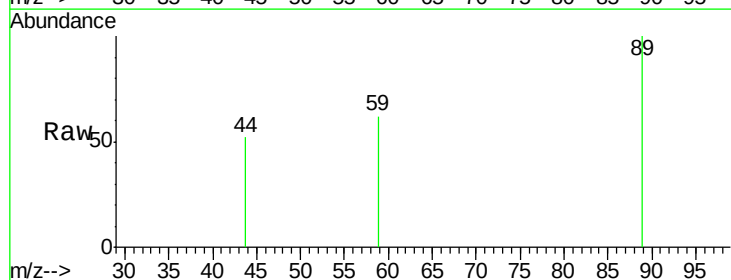
Instrument :
MSVOA_D
ClientSampleId :

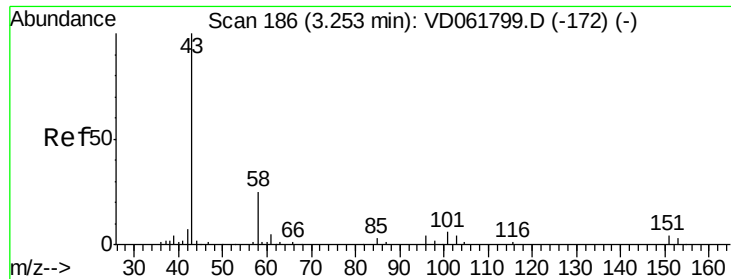
Tot Ion:142 Resp: 2418
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 6.076 ug/l
RT: 3.99 min Scan# 260
Delta R.T. -0.07 min
Lab File: VD061946.D
Acq: 22 Apr 2019 18:43

Tgt Ion: 59 Resp: 1155
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#





#16

Acetone

Concen: 7.988 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061946.D

Acq: 22 Apr 2019 18:43

Instrument :

MSVOA_D

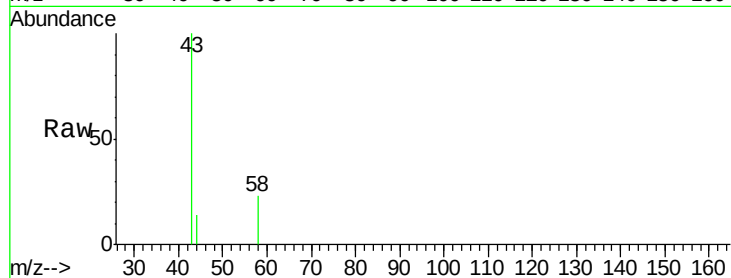
ClientSampled :

Tot Ion: 43 Resp: 6346

Ion Ratio Lower Upper

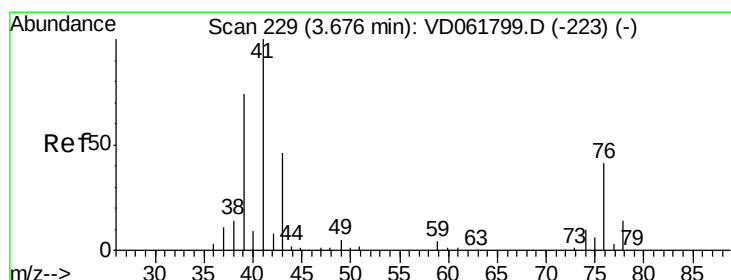
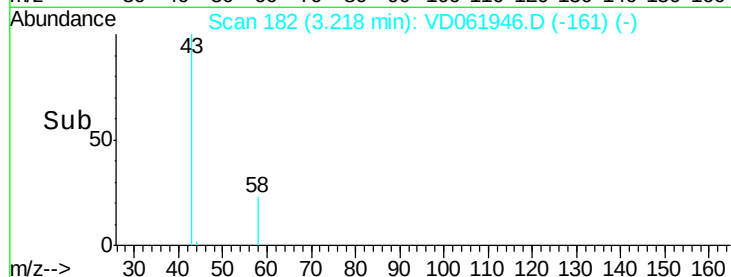
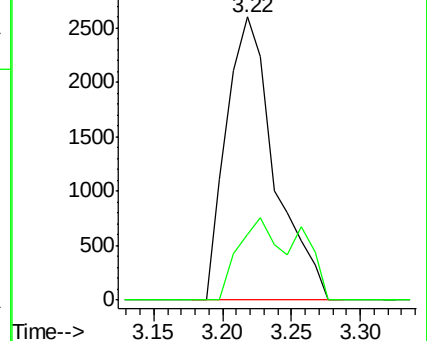
43 100

58 23.1 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: 9.374 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD061946.D

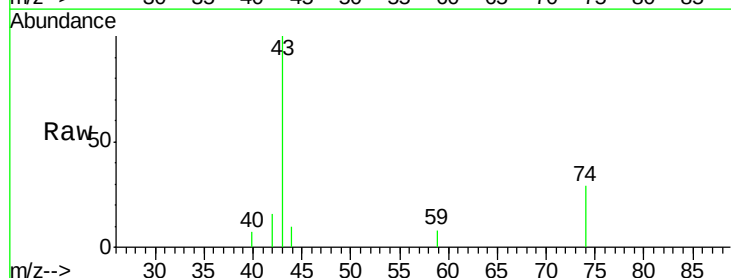
Acq: 22 Apr 2019 18:43

Tgt Ion: 43 Resp: 14926

Ion Ratio Lower Upper

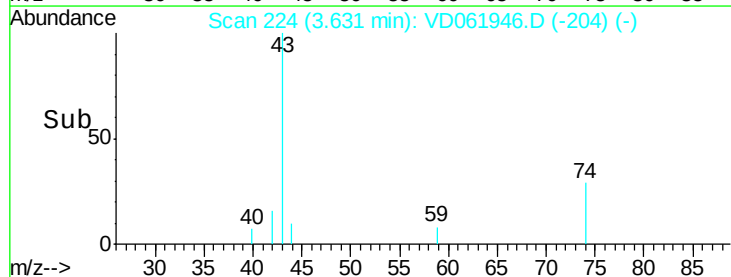
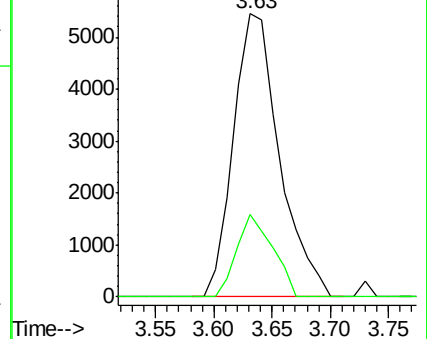
43 100

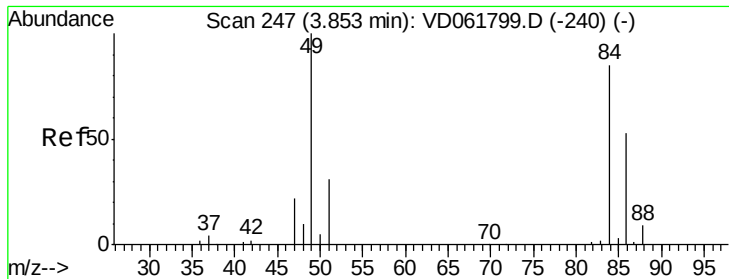
74 29.3 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

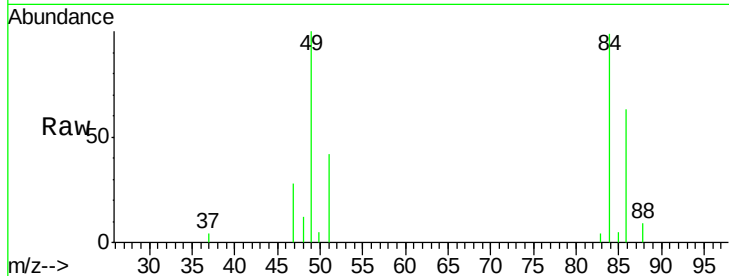




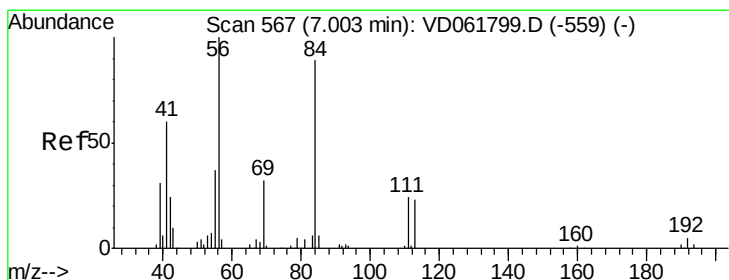
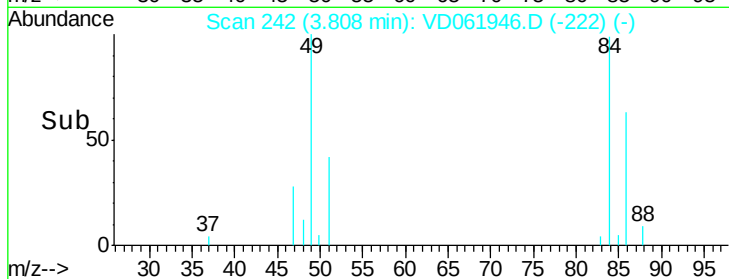
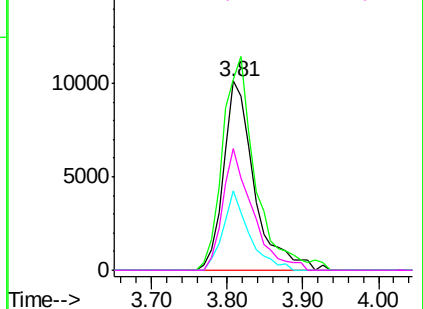
#20
Methylene Chloride
Concen: 2.896 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.00 min
Lab File: VD061946.D
Acq: 22 Apr 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 28499
Ion Ratio Lower Upper
84 100
49 101.0 94.0 141.0
51 41.9 29.0 43.4
86 64.1 49.8 74.6

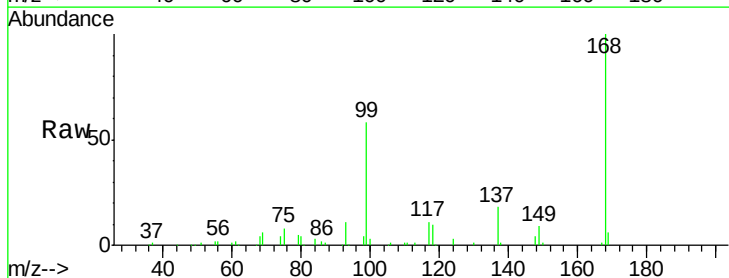


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

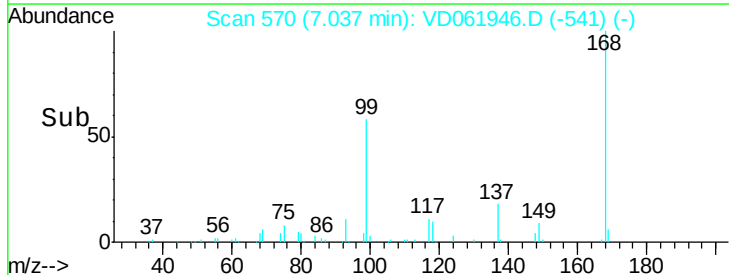
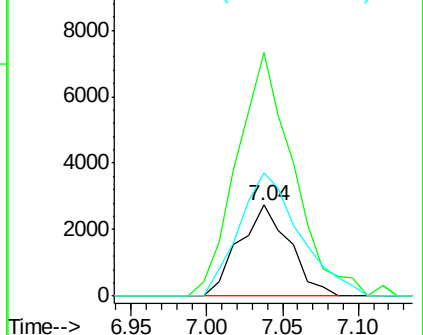


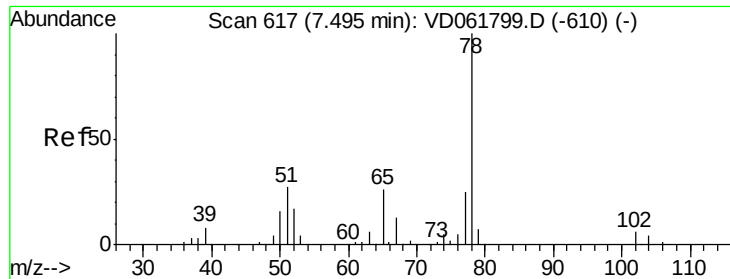
#31
Cyclohexane
Concen: 1.312 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.08 min
Lab File: VD061946.D
Acq: 22 Apr 2019 18:43

Tgt Ion: 56 Resp: 6402
Ion Ratio Lower Upper
56 100
69 267.2 25.8 38.6#
84 135.3 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

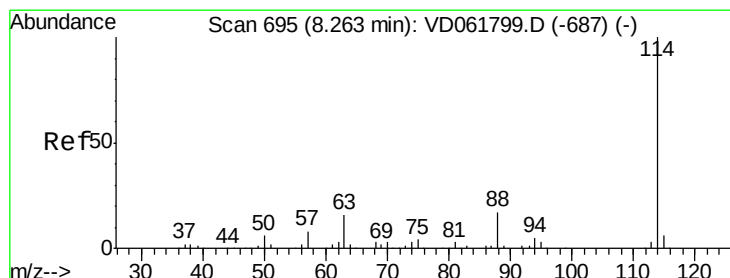
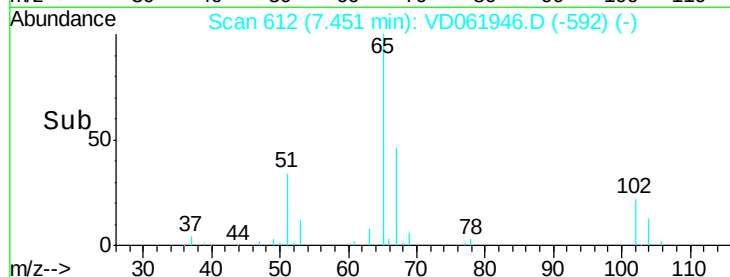
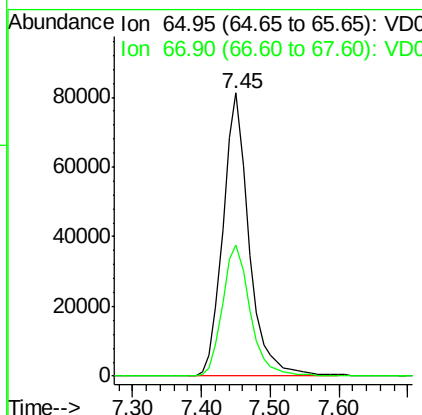
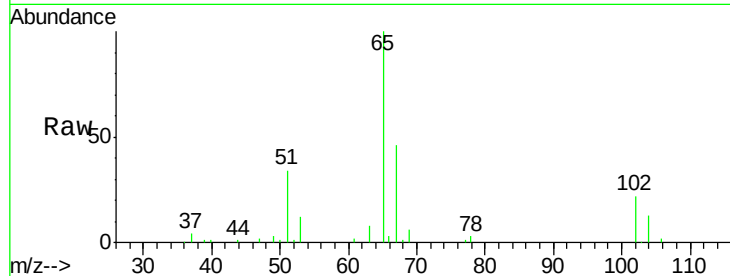




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD061946.D
 Acq: 22 Apr 2019 18:43

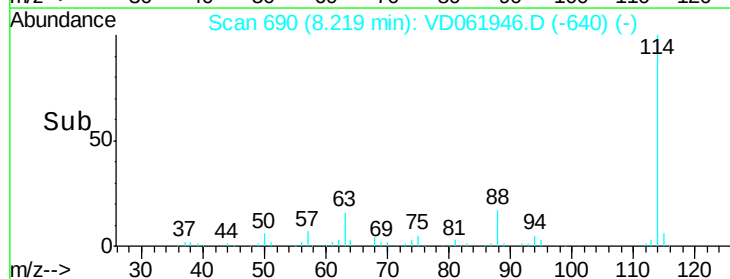
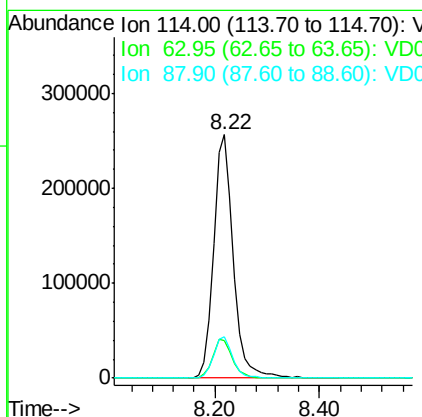
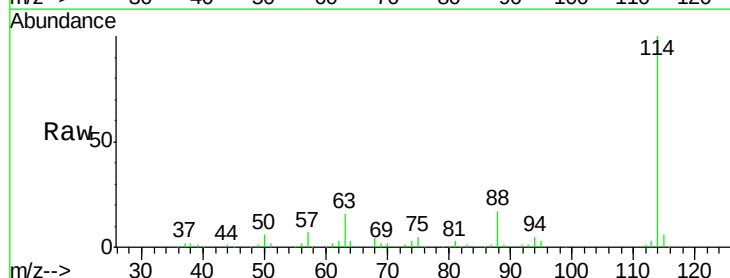
Instrument :
 MSVOA_D
 ClientSampleId :

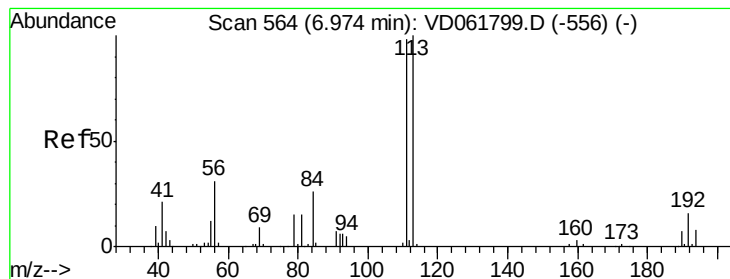
Tot Ion: 65 Resp: 212855
 Ion Ratio Lower Upper
 65 100
 67 46.5 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD061946.D
 Acq: 22 Apr 2019 18:43

Tgt Ion: 114 Resp: 667918
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 32.4
 88 16.7 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061946.D

Acq: 22 Apr 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

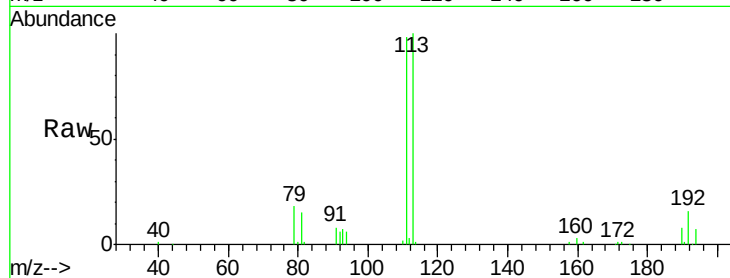
Tot Ion:113 Resp: 280950

Ion Ratio Lower Upper

113 100

111 98.0 78.5 117.7

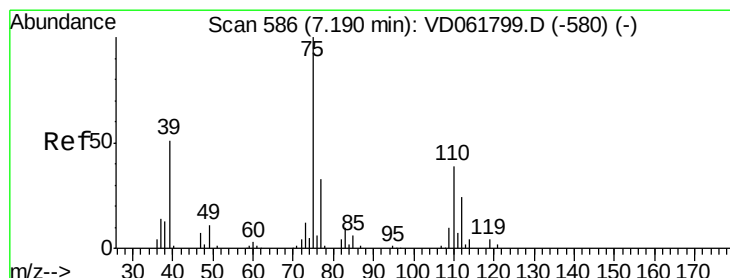
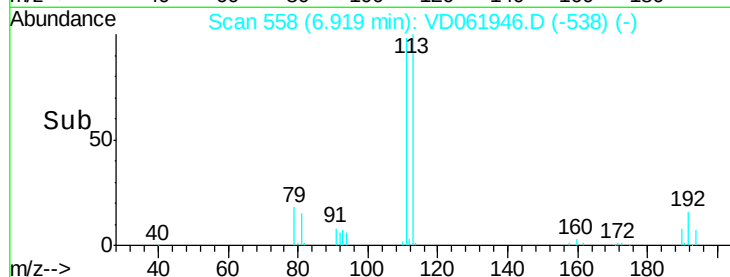
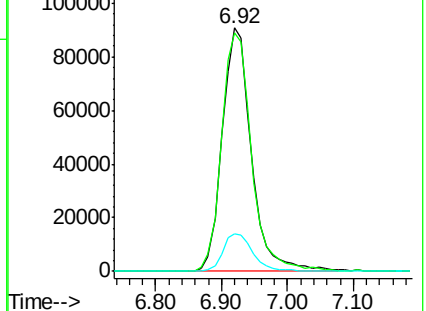
192 15.6 13.0 19.4



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: 5.139 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD061946.D

Acq: 22 Apr 2019 18:43

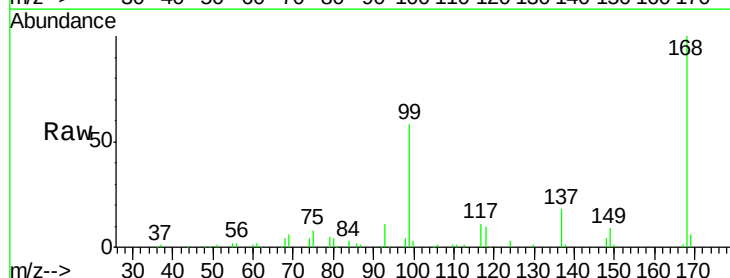
Tgt Ion: 75 Resp: 28048

Ion Ratio Lower Upper

75 100

110 7.2 19.1 57.1#

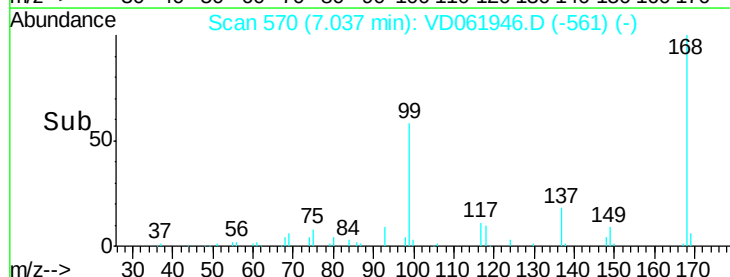
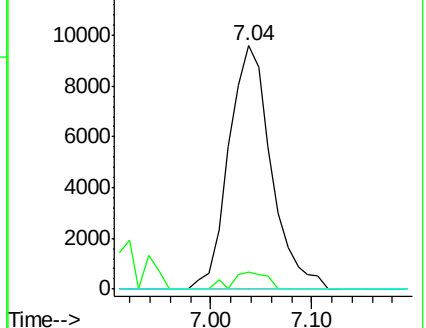
77 0.0 25.6 38.4#

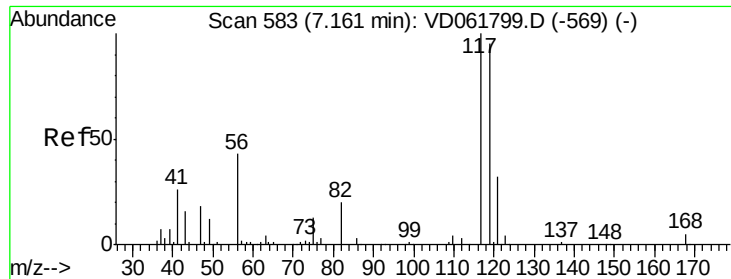


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.219 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.07 min

Lab File: VD061946.D

Acq: 22 Apr 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

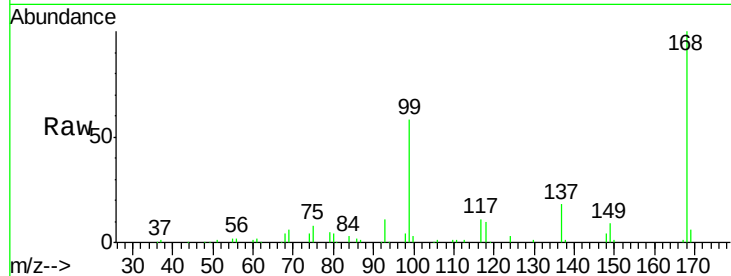
Tot Ion:117 Resp: 35972

Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.8#

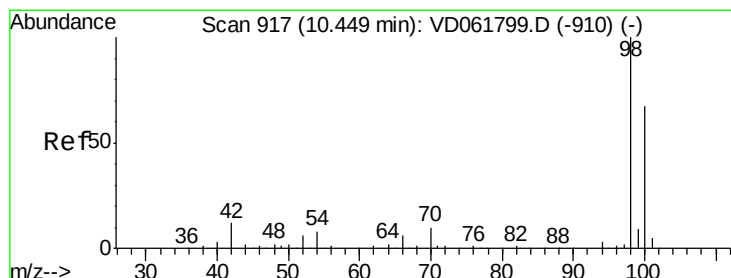
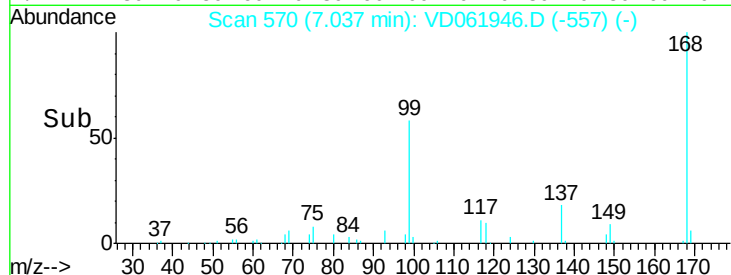
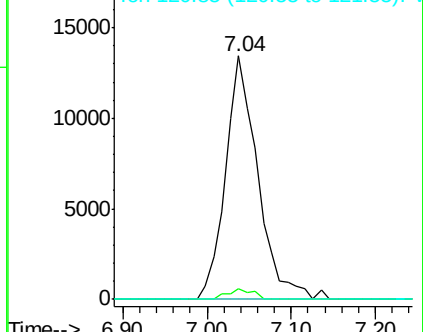
121 0.0 25.9 38.9#



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. -0.00 min

Lab File: VD061946.D

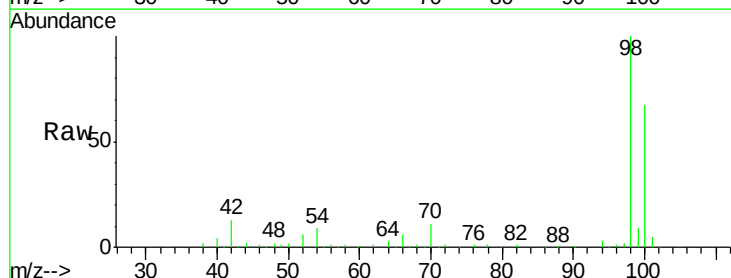
Acq: 22 Apr 2019 18:43

Tgt Ion: 98 Resp: 597597

Ion Ratio Lower Upper

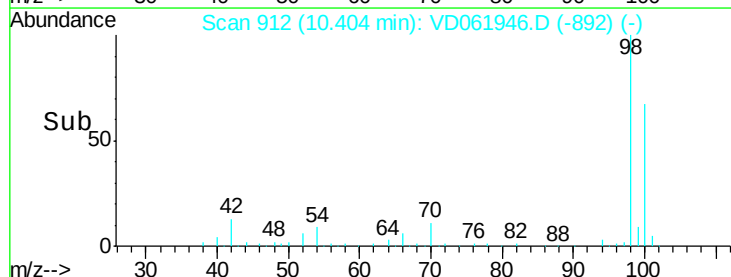
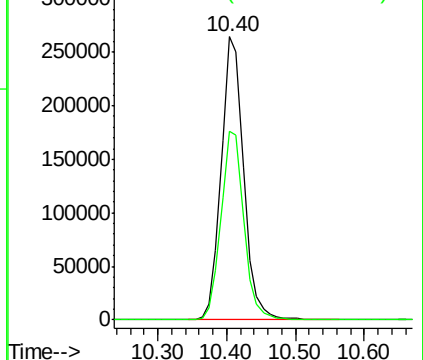
98 100

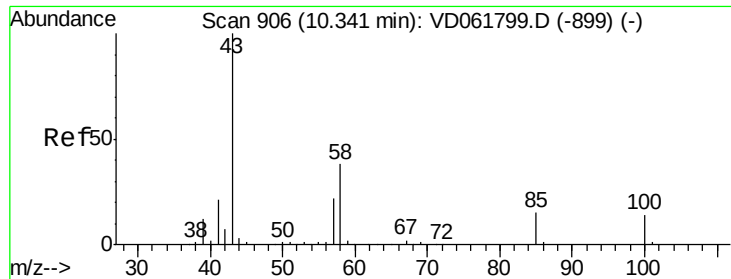
100 66.8 53.8 80.8



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: 1.073 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.11 min

Lab File: VD061946.D

Acq: 22 Apr 2019 18:43

Instrument :

MSVOA_D

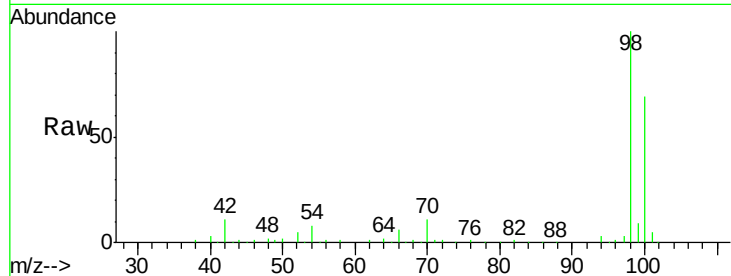
ClientSampleId :

Tot Ion: 43 Resp: 2158

Ion Ratio Lower Upper

43 100

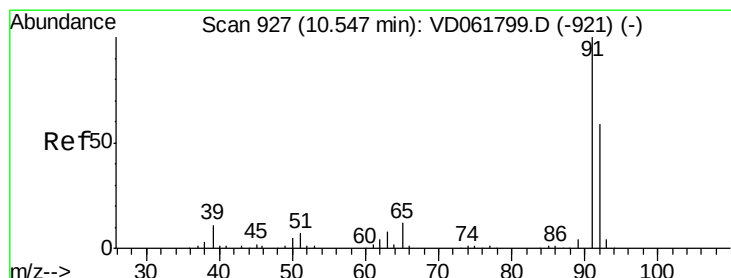
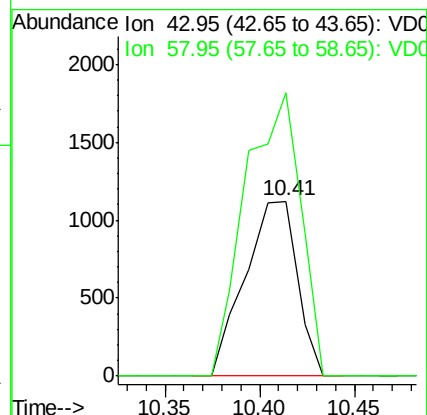
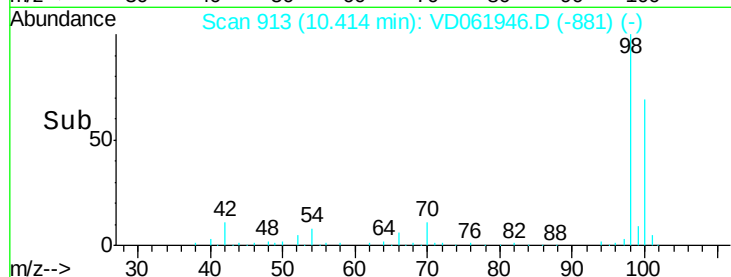
58 161.7 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.41



#52

Toluene

Concen: 3.159 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061946.D

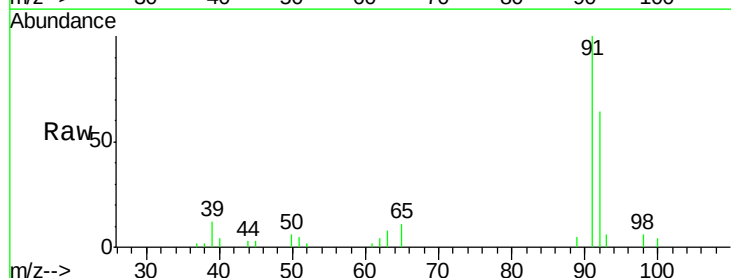
Acq: 22 Apr 2019 18:43

Tgt Ion: 92 Resp: 26529

Ion Ratio Lower Upper

92 100

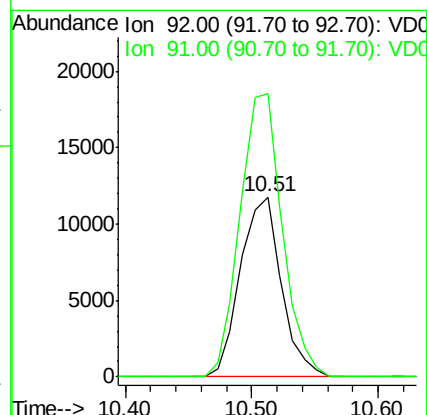
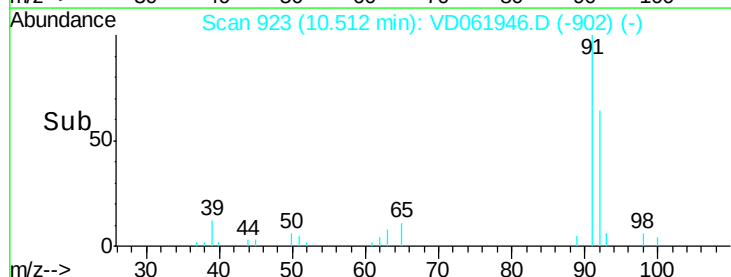
91 157.0 136.6 204.8

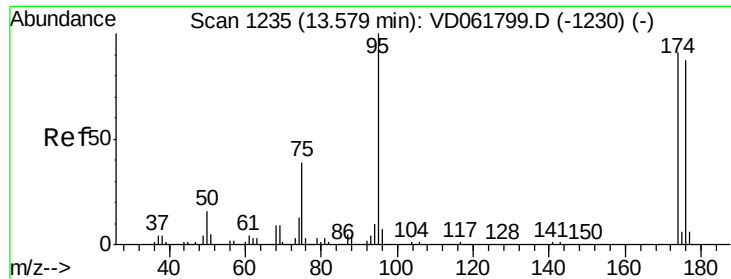


Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

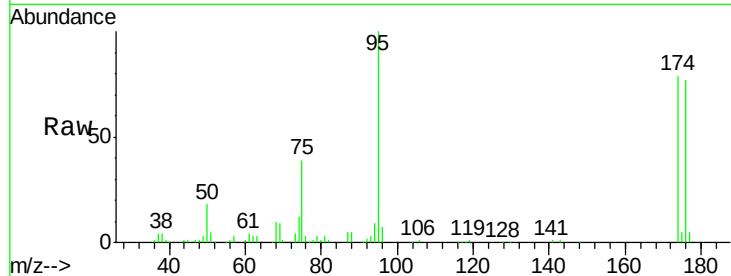




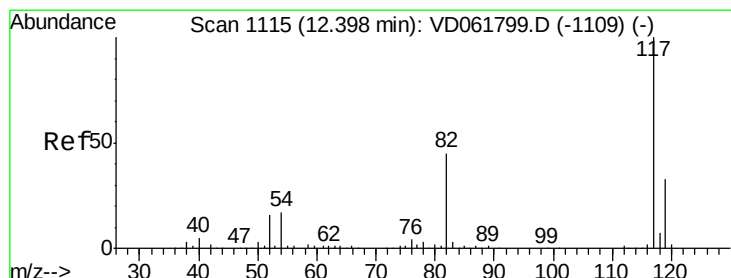
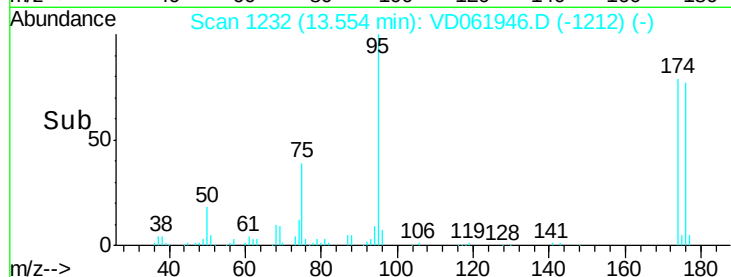
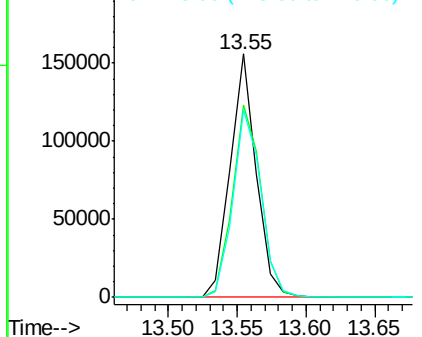
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061946.D
Acq: 22 Apr 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 204088
Ion Ratio Lower Upper
95 100
174 79.0 0.0 181.8
176 76.7 0.0 174.4

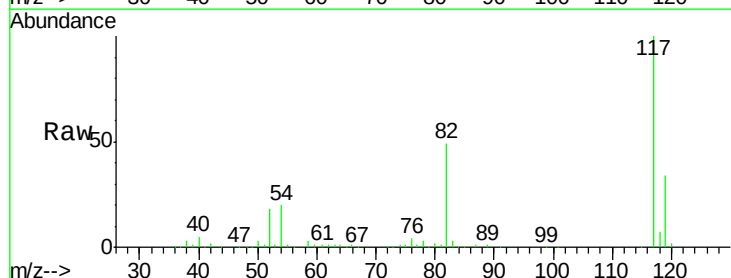


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

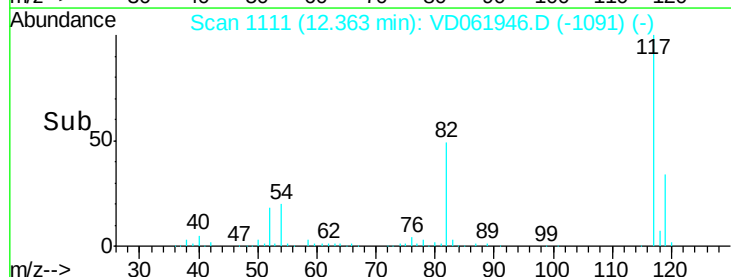
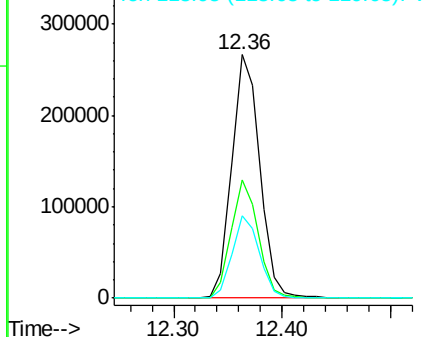


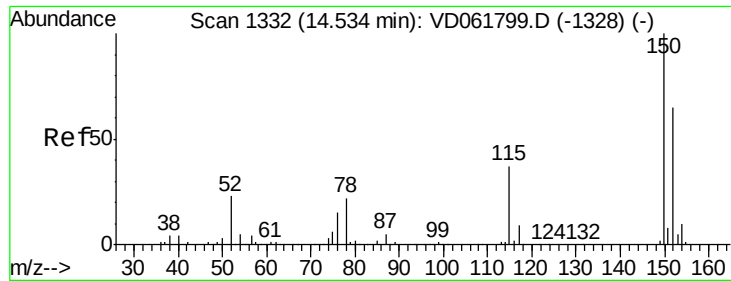
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061946.D
Acq: 22 Apr 2019 18:43

Tgt Ion: 117 Resp: 479221
Ion Ratio Lower Upper
117 100
82 48.6 36.2 54.2
119 33.9 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



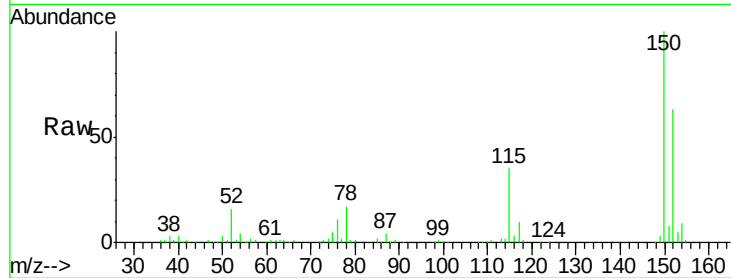


#72

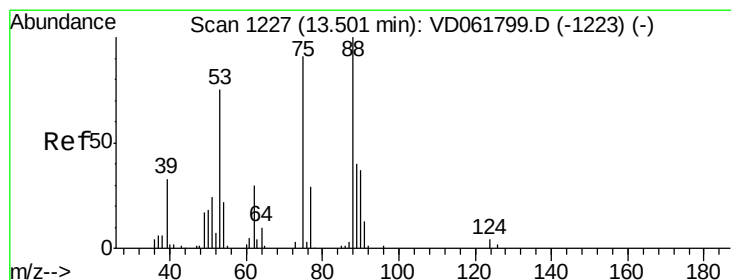
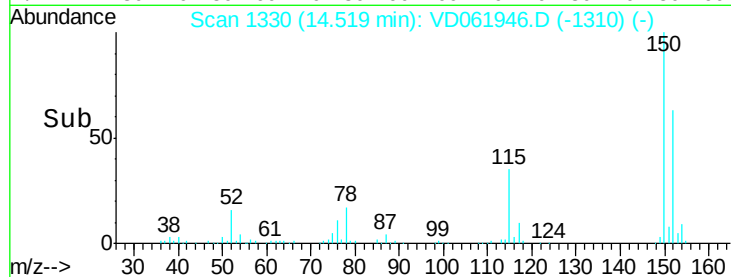
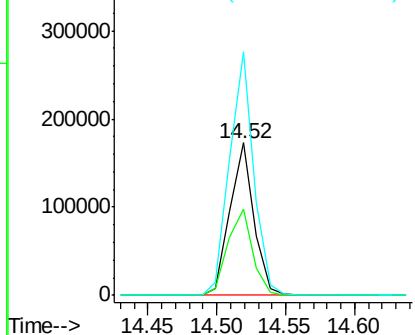
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061946.D
Acq: 22 Apr 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 209560
Ion Ratio Lower Upper
152 100
115 56.4 30.9 92.7
150 159.5 0.0 314.8



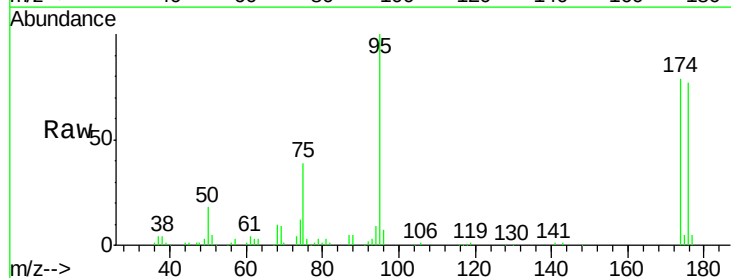
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 85.669 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.08 min
Lab File: VD061946.D
Acq: 22 Apr 2019 18:43

Tgt Ion: 75 Resp: 78683
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

