

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121918\
 Data File : VD060641.D
 Acq On : 19 Dec 2018 15:35
 Operator : VA/AP
 Sample : J6199-09
 Misc : 5.77G/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 00:31:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1595460	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.45	114	2225307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1747093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	861532	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	489084	43.25	ug/l	0.00
Spiked Amount			Recovery	=	86.50%	
35) Dibromofluoromethane	6.32	113	672385	41.14	ug/l	0.00
Spiked Amount			Recovery	=	82.28%	
50) Toluene-d8	9.45	98	1744425	36.88	ug/l	0.00
Spiked Amount			Recovery	=	73.76%	
62) 4-Bromofluorobenzene	12.42	95	650794	38.45	ug/l	0.00
Spiked Amount			Recovery	=	76.90%	

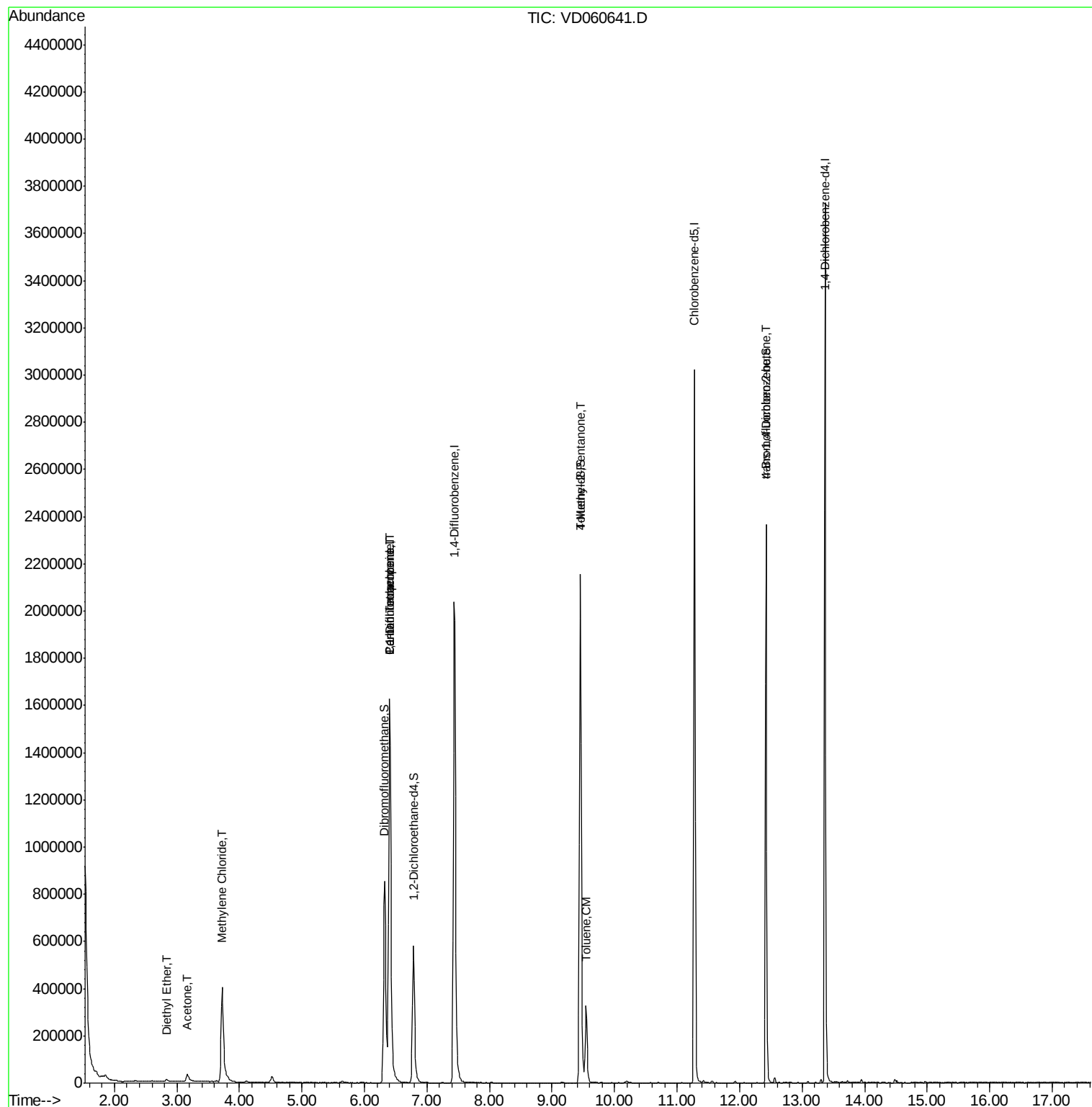
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	1017	Below Cal	#	41
8) Diethyl Ether	2.83	74	2833	1.086	ug/l	71
16) Acetone	3.16	43	66342	36.599	ug/l	94
20) Methylene Chloride	3.73	84	265131	12.582	ug/l	96
31) Cyclohexane	6.40	56	29287	Below Cal	#	1
36) 1,1-Dichloropropene	6.40	75	117850	5.418	ug/l	# 47
38) Carbon Tetrachloride	6.40	117	121907	6.243	ug/l	# 15
51) 4-Methyl-2-Pentanone	9.45	43	9954	1.374	ug/l	# 1
52) Toluene	9.54	92	159383	4.587	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.42	75	273455	100.440	ug/l	# 14
89) n-Butylbenzene	13.64	91	2680	Below Cal		88

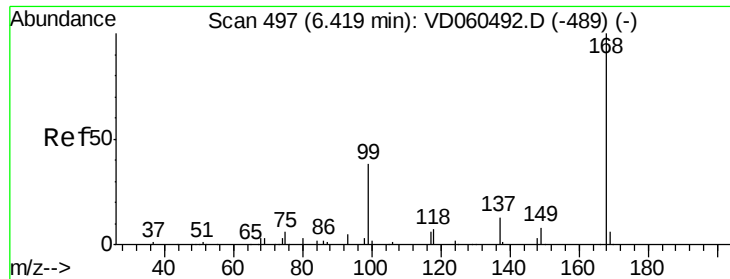
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121918\
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Quant Time: Dec 20 00:31:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060641.D

Acq: 19 Dec 2018 15:35

Instrument :

MSVOA_D

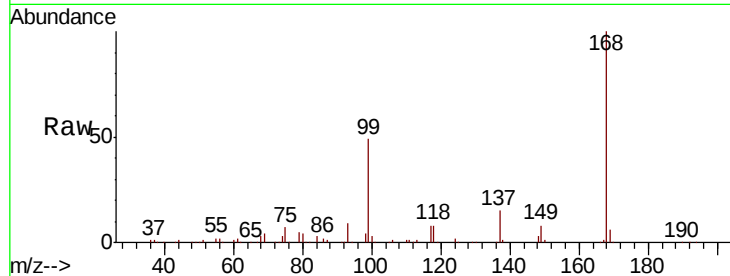
ClientSampled :

Tot Ion:168 Resp: 1595460

Ion Ratio Lower Upper

168 100

99 48.6 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

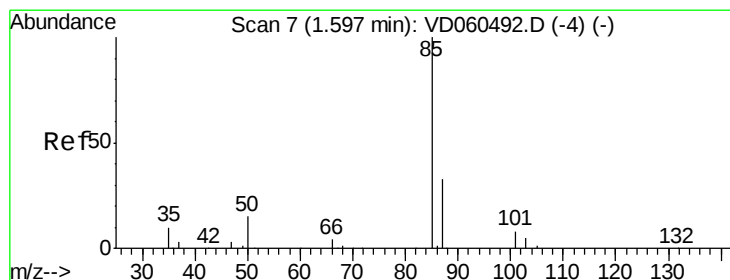
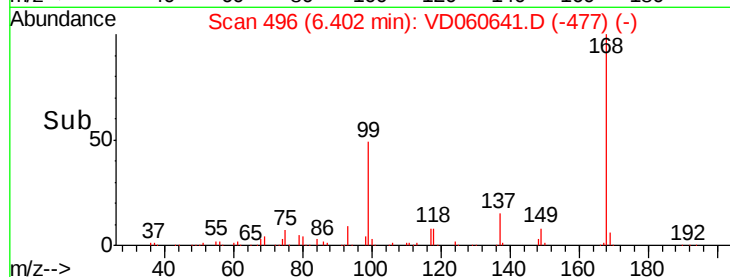
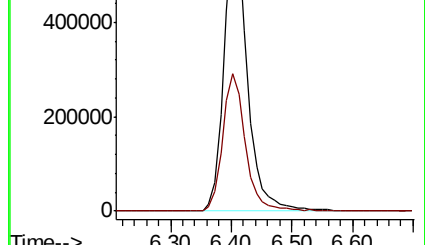
6.40

600000

400000

200000

0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 8

Delta R.T. 0.00 min

Lab File: VD060641.D

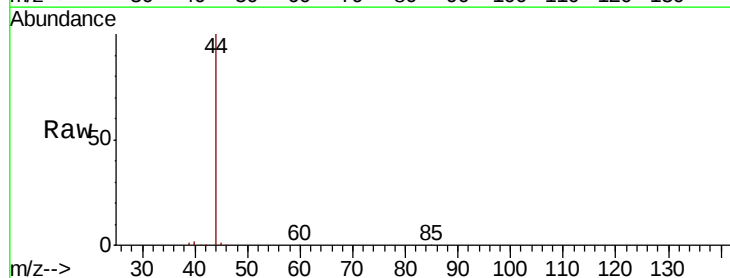
Acq: 19 Dec 2018 15:35

Tgt Ion: 85 Resp: 1017

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

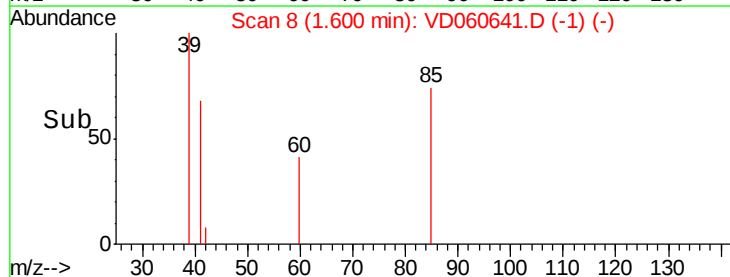
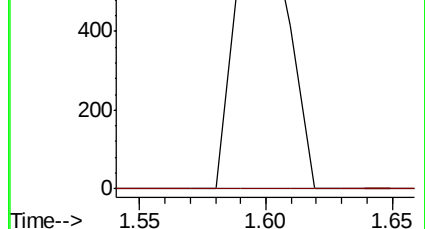
800

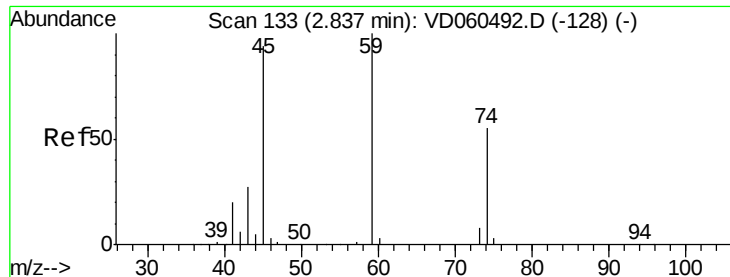
600

400

200

0

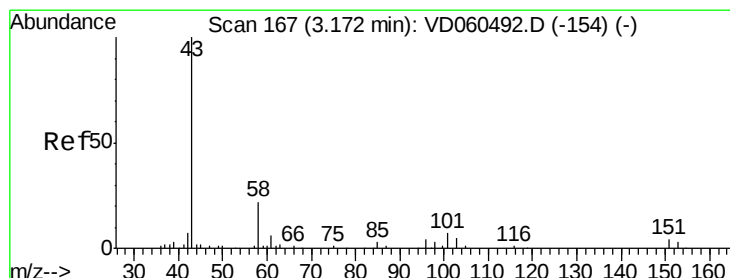
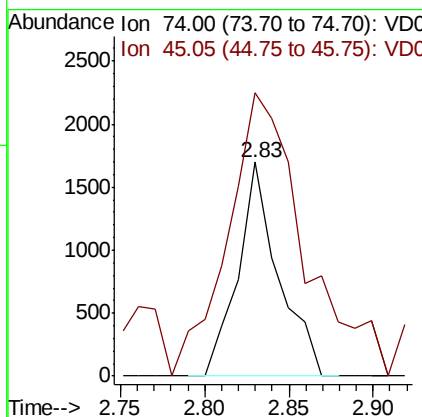
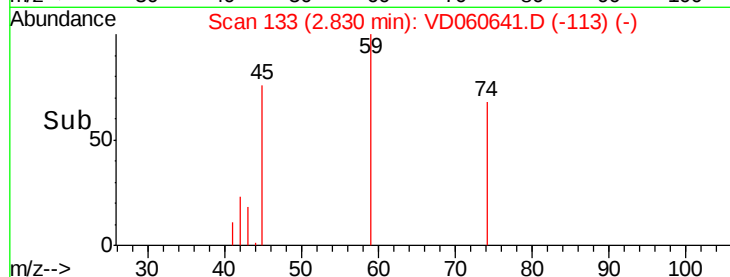
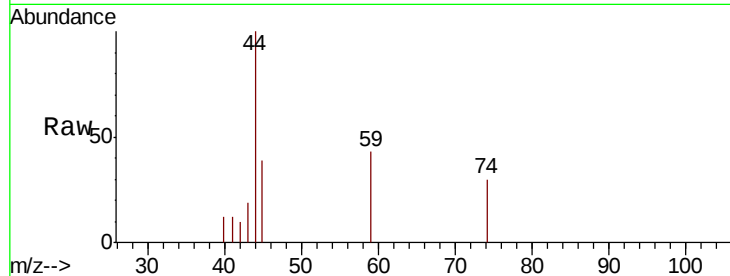




#8
Diethyl Ether
Concen: 1.086 ug/l
RT: 2.83 min Scan# 133
Delta R.T. -0.01 min
Lab File: VD060641.D
Acq: 19 Dec 2018 15:35

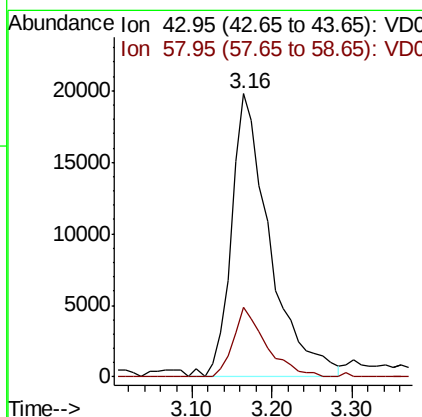
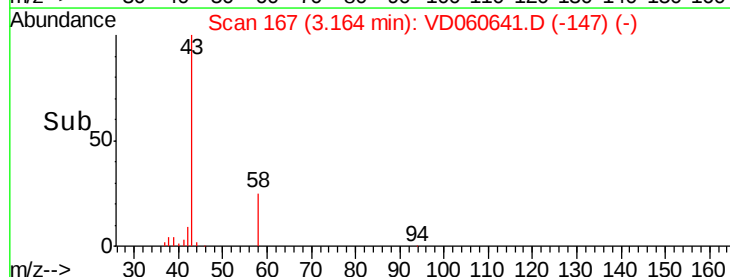
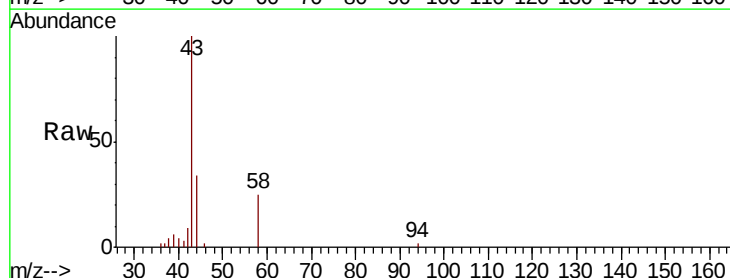
Instrument :
MSVOA_D
ClientSampleId :

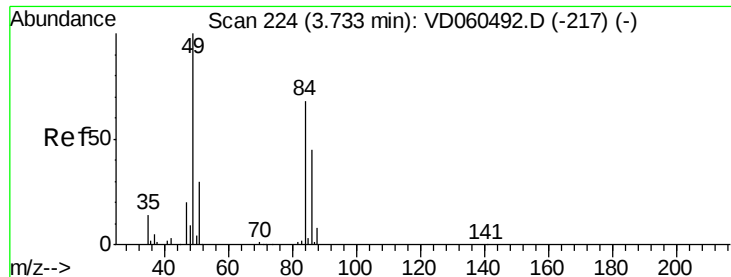
Tot Ion: 74 Resp: 2833
Ion Ratio Lower Upper
74 100
45 132.2 86.0 258.0



#16
Acetone
Concen: 36.599 ug/l
RT: 3.16 min Scan# 167
Delta R.T. -0.01 min
Lab File: VD060641.D
Acq: 19 Dec 2018 15:35

Tgt Ion: 43 Resp: 66342
Ion Ratio Lower Upper
43 100
58 24.6 17.3 25.9

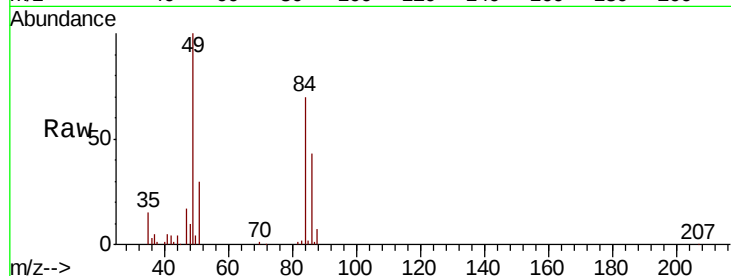




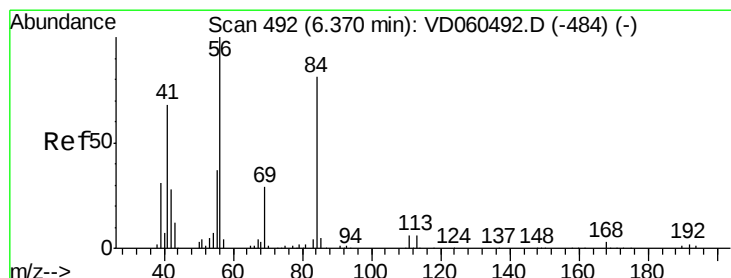
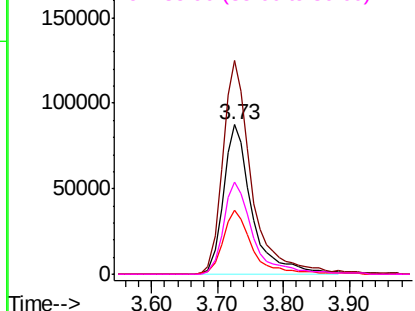
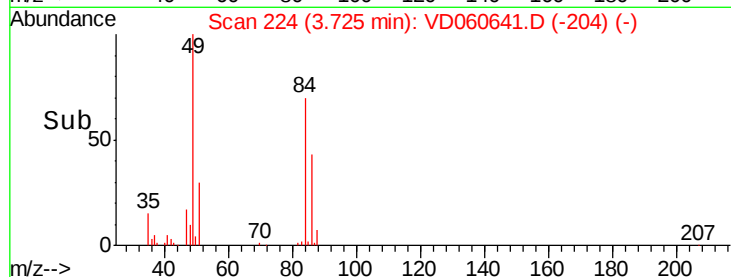
#20
Methvlene Chloride
Concen: 12.582 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD060641.D
Acq: 19 Dec 2018 15:35

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 265131
Ion Ratio Lower Upper
84 100
49 142.6 117.2 175.8
51 42.7 35.3 52.9
86 61.2 53.2 79.8

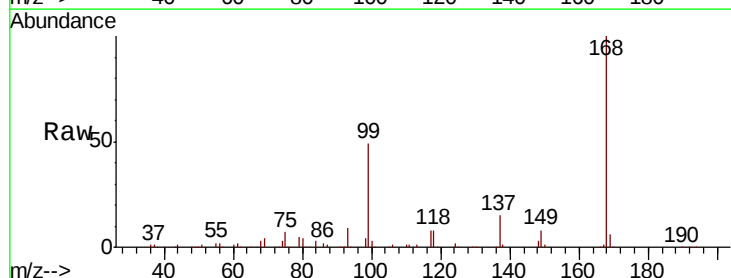


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

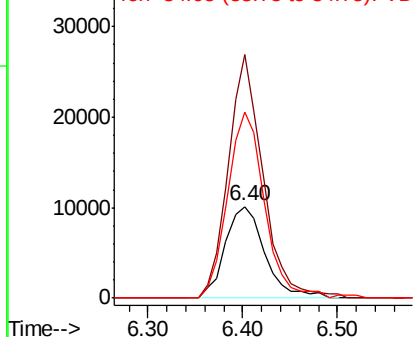
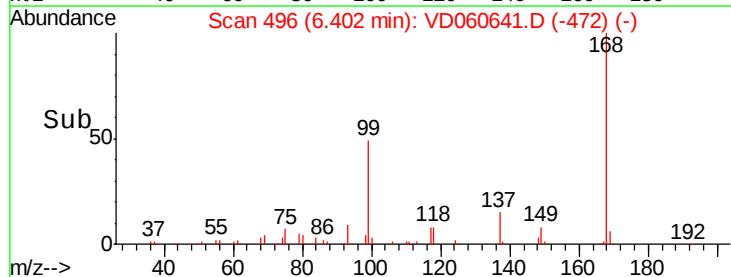


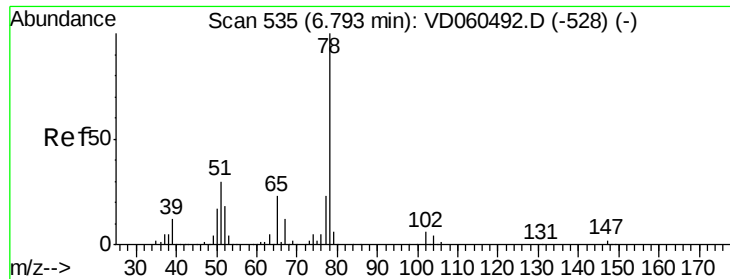
#31
Cyclohexane
Concen: Below Cal
RT: 6.40 min Scan# 496
Delta R.T. 0.03 min
Lab File: VD060641.D
Acq: 19 Dec 2018 15:35

Tgt Ion: 56 Resp: 29287
Ion Ratio Lower Upper
56 100
69 265.5 22.8 34.2#
84 202.2 65.1 97.7#



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: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060641.D

Acq: 19 Dec 2018 15:35

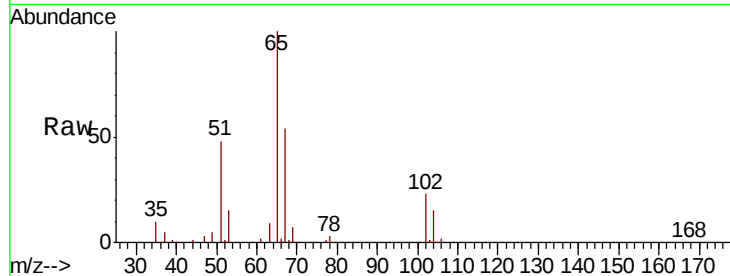
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 489084

Ion Ratio Lower Upper

65 100

67 54.0 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.79

200000

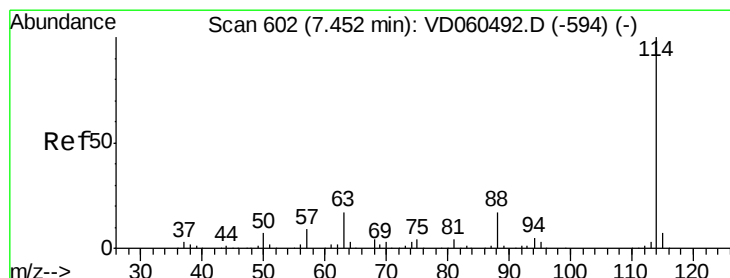
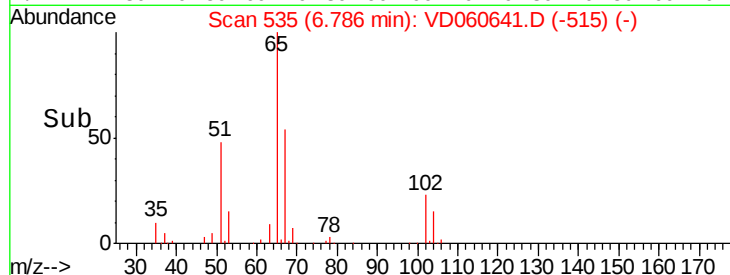
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060641.D

Acq: 19 Dec 2018 15:35

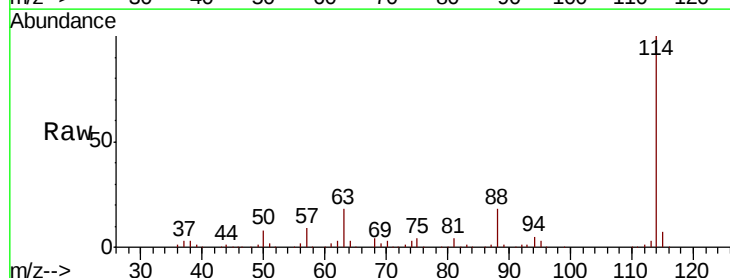
Tgt Ion: 114 Resp: 2225307

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.2

88 17.8 0.0 35.0



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

7.45

1200000

1000000

800000

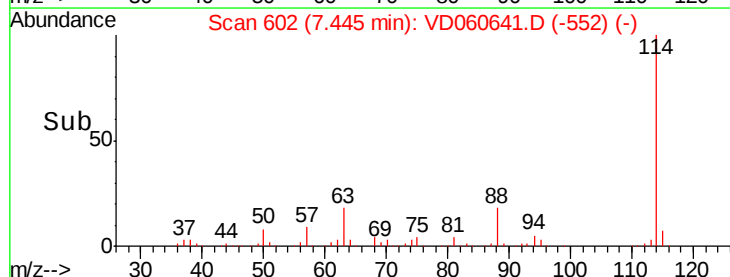
600000

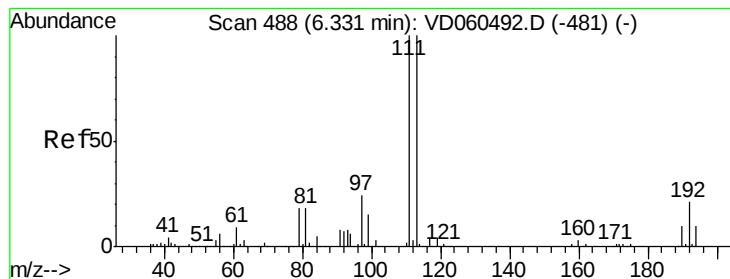
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060641.D

Acq: 19 Dec 2018 15:35

Instrument :

MSVOA_D

ClientSampleId :

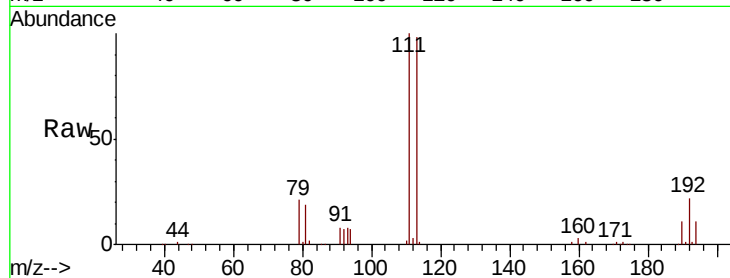
Tot Ion:113 Resp: 672385

Ion Ratio Lower Upper

113 100

111 102.3 80.2 120.4

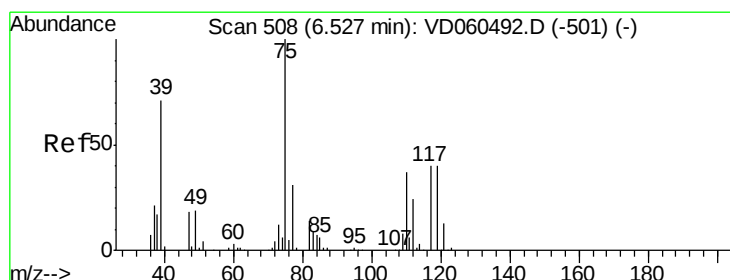
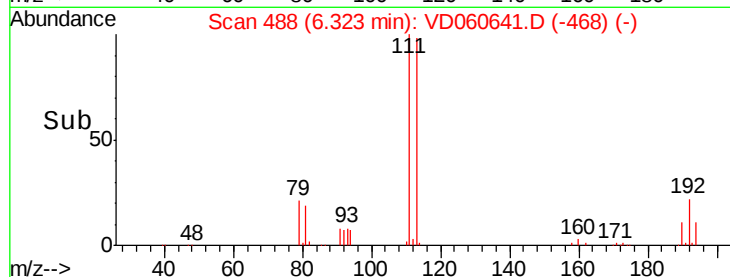
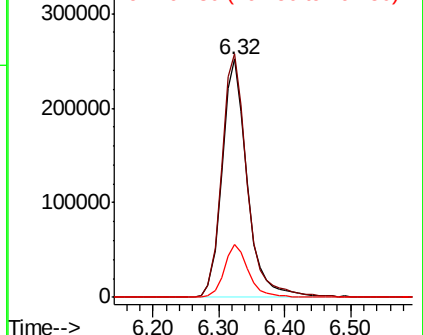
192 22.1 16.6 24.8



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: 5.418 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.13 min

Lab File: VD060641.D

Acq: 19 Dec 2018 15:35

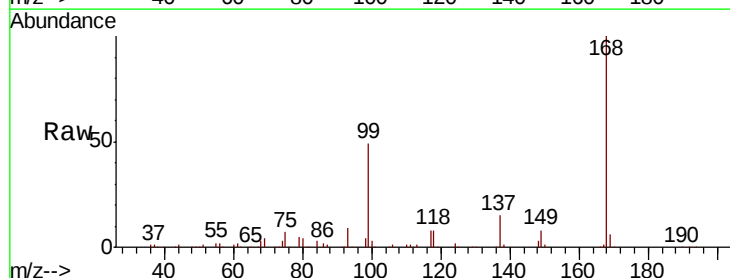
Tgt Ion: 75 Resp: 117850

Ion Ratio Lower Upper

75 100

110 7.0 18.3 54.8#

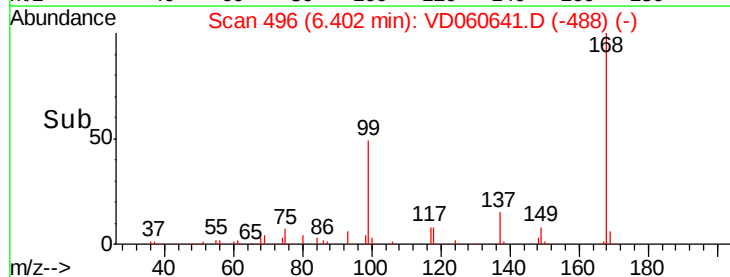
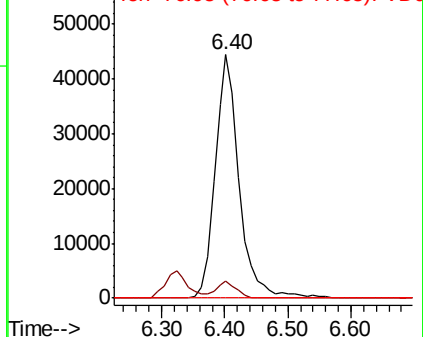
77 0.0 24.6 37.0#

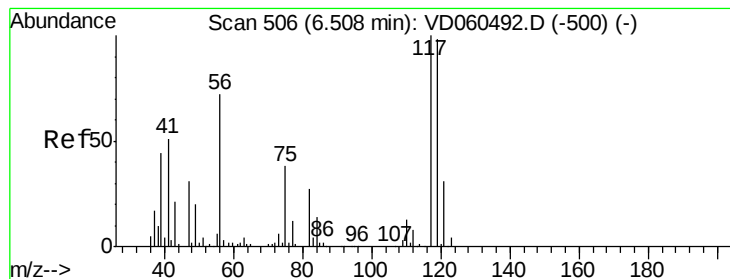


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.243 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.11 min

Lab File: VD060641.D

Acq: 19 Dec 2018 15:35

Instrument :

MSVOA_D

ClientSampleId :

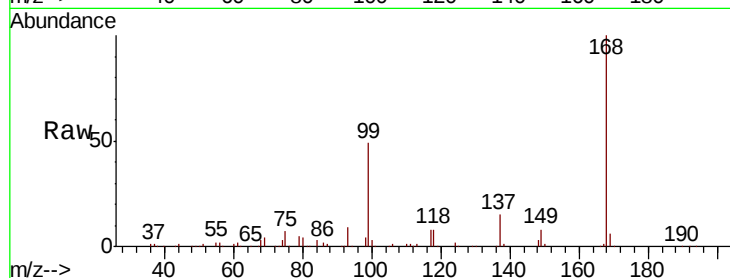
Tot Ion:117 Resp: 121907

Ion Ratio Lower Upper

117 100

119 4.2 76.8 115.2#

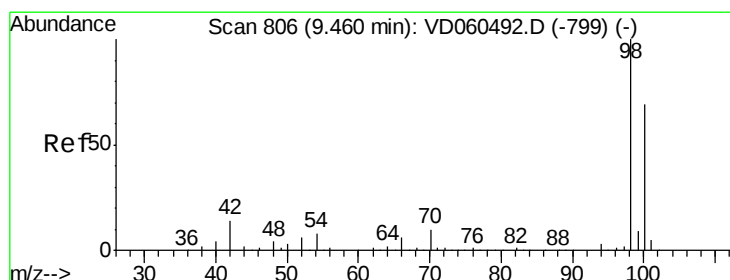
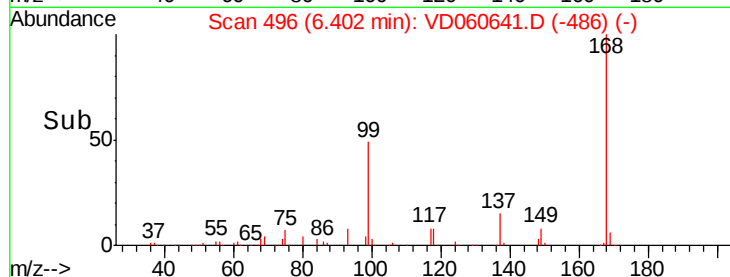
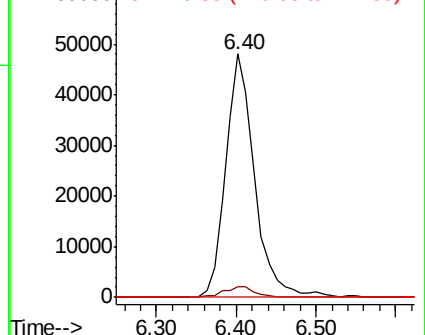
121 0.0 24.4 36.6#



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: 9.45 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060641.D

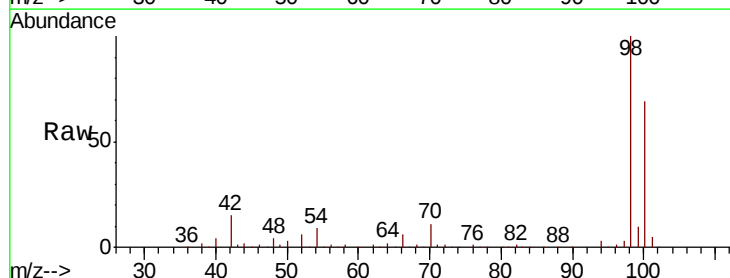
Acq: 19 Dec 2018 15:35

Tgt Ion: 98 Resp: 1744425

Ion Ratio Lower Upper

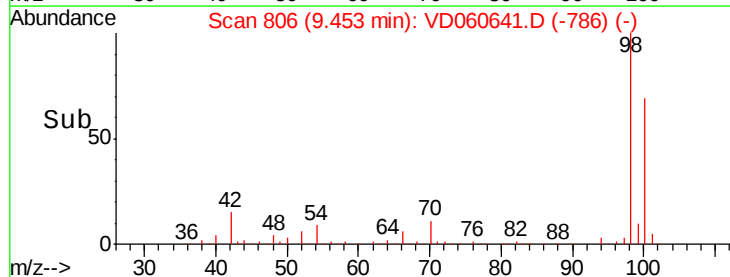
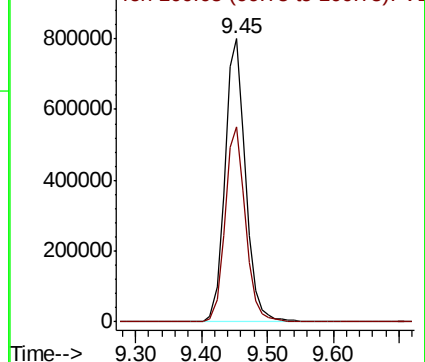
98 100

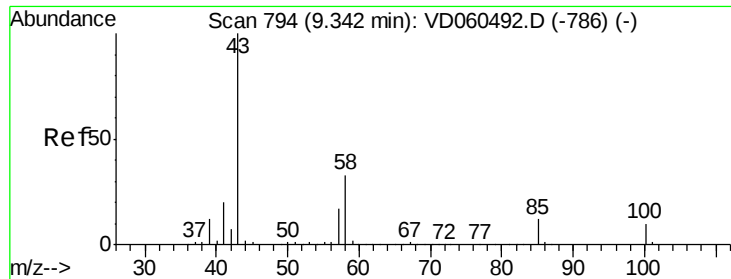
100 68.8 55.7 83.5



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: 1.374 ug/l

RT: 9.45 min Scan# 806

Delta R.T. 0.11 min

Lab File: VD060641.D

Acq: 19 Dec 2018 15:35

Instrument :

MSVOA_D

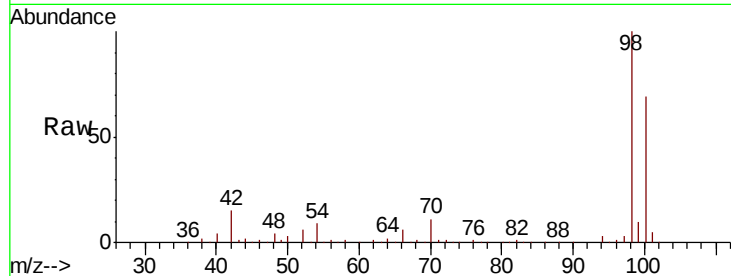
ClientSampleId :

Tot Ion: 43 Resp: 9954

Ion Ratio Lower Upper

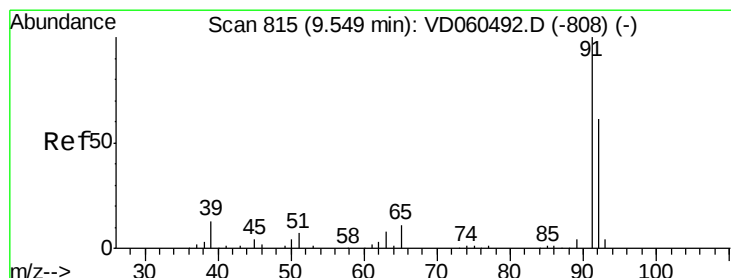
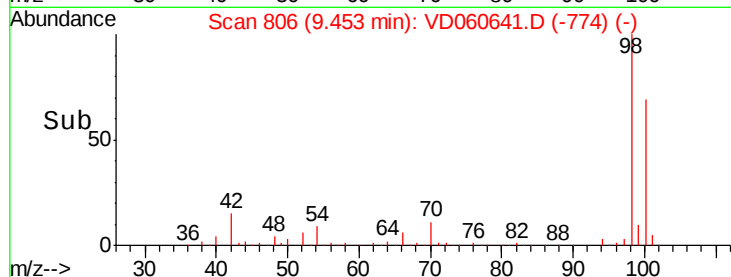
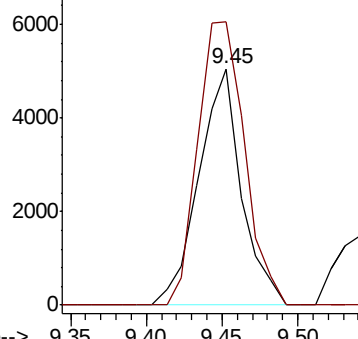
43 100

58 119.8 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 4.587 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.01 min

Lab File: VD060641.D

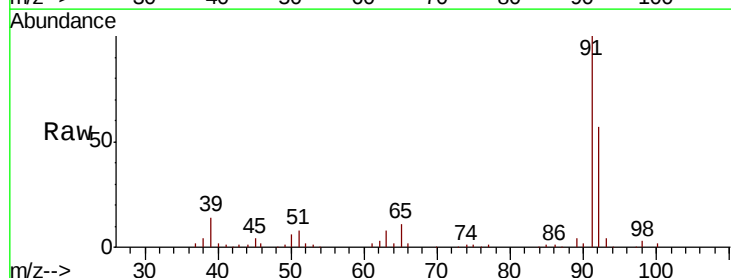
Acq: 19 Dec 2018 15:35

Tgt Ion: 92 Resp: 159383

Ion Ratio Lower Upper

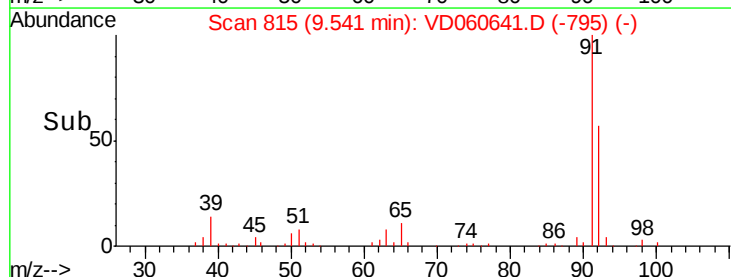
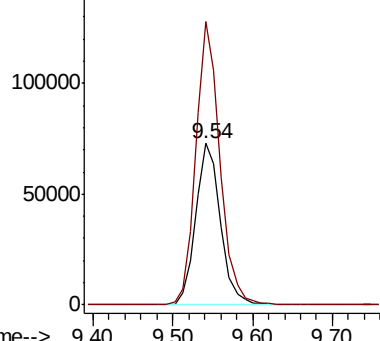
92 100

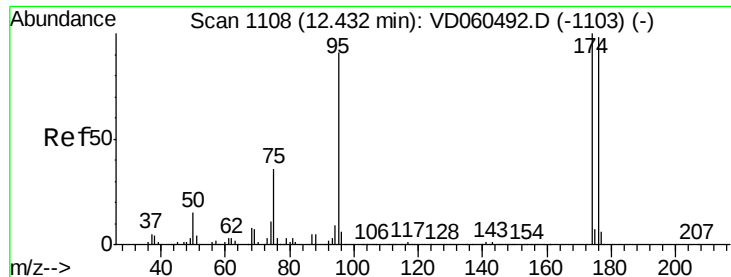
91 175.4 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

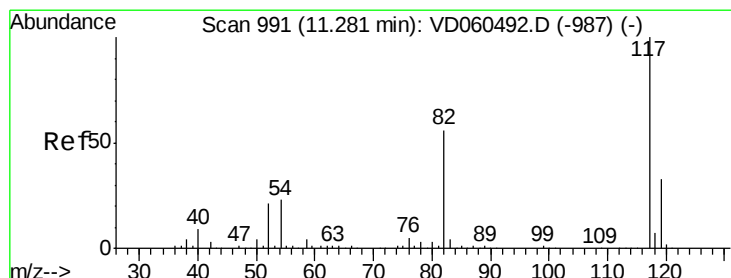
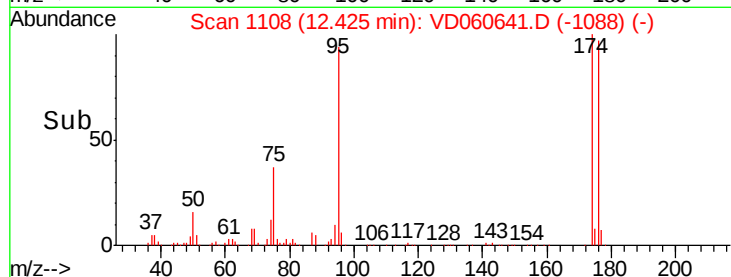
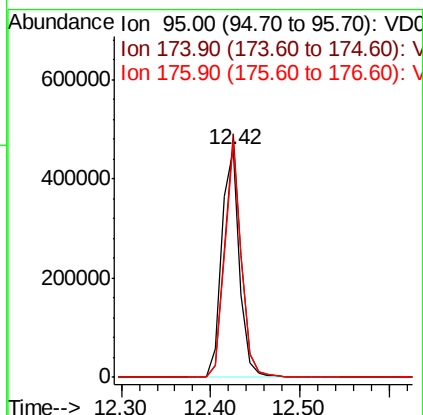
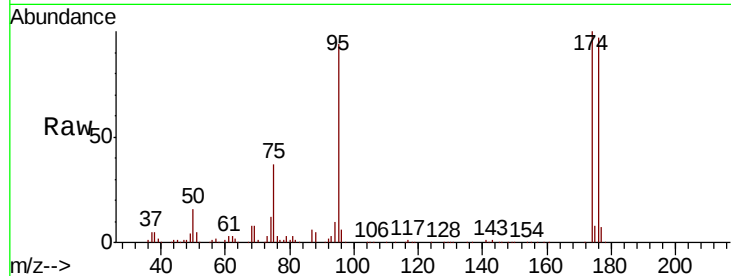




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060641.D
Acq: 19 Dec 2018 15:35

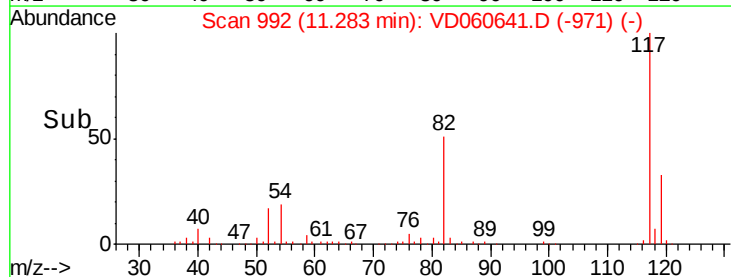
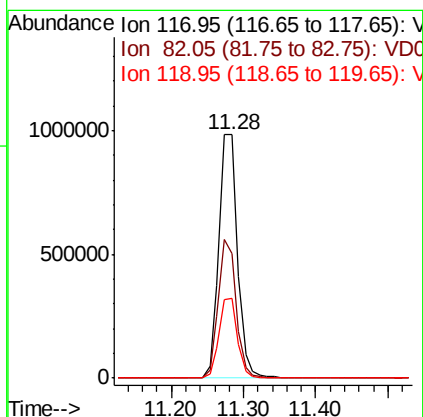
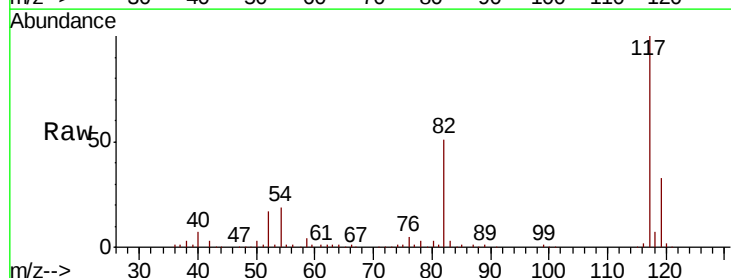
Instrument :
MSVOA_D
ClientSampled :

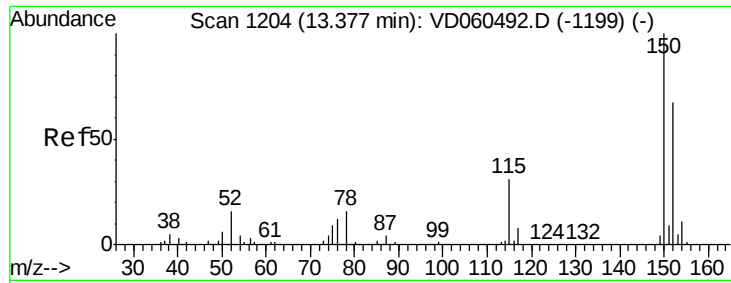
Tot Ion: 95 Resp: 650794
Ion Ratio Lower Upper
95 100
174 106.8 0.0 219.4
176 103.4 0.0 214.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060641.D
Acq: 19 Dec 2018 15:35

Tgt Ion: 117 Resp: 1747093
Ion Ratio Lower Upper
117 100
82 51.2 45.2 67.8
119 32.7 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060641.D

Acq: 19 Dec 2018 15:35

Instrument :

MSVOA_D

ClientSampleId :

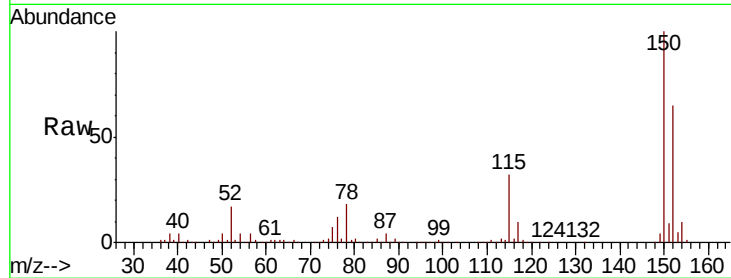
Tot Ion:152 Resp: 861532

Ion Ratio Lower Upper

152 100

115 48.8 24.6 74.0

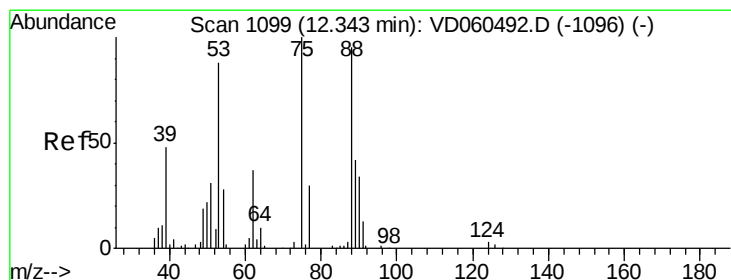
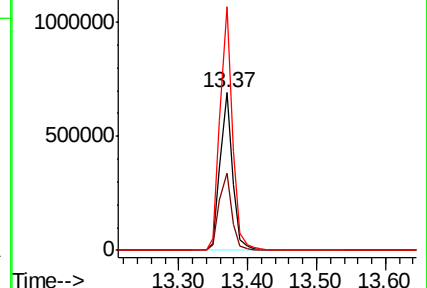
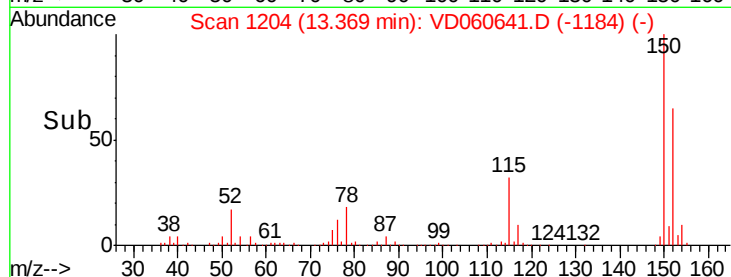
150 154.5 0.0 309.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 100.440 ug/l

RT: 12.42 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060641.D

Acq: 19 Dec 2018 15:35

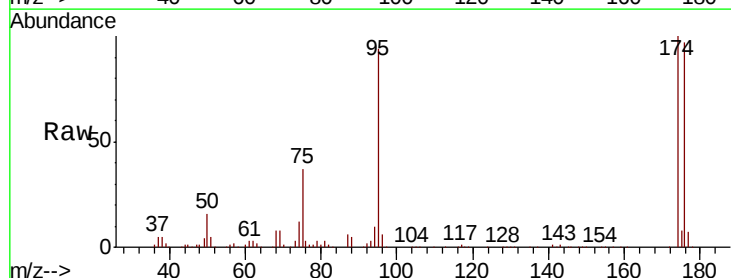
Tgt Ion: 75 Resp: 273455

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#



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

