

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111218\
 Data File : VD060334.D
 Acq On : 12 Nov 2018 13:40
 Operator : JC/SY
 Sample : J5889-04
 Misc : 10.62g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-D

Quant Time: Nov 13 00:39:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	59665	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	122690	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.27	117	113687	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	52346	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	69776	163.33	ug/l	-0.04
Spiked Amount			Recovery	=	326.66%	
35) Dibromofluoromethane	6.30	113	66954	73.18	ug/l	-0.04
Spiked Amount			Recovery	=	146.36%	
50) Toluene-d8	9.44	98	150317	56.14	ug/l	-0.03
Spiked Amount			Recovery	=	112.28%	
62) 4-Bromofluorobenzene	12.41	95	57677	59.45	ug/l	-0.03
Spiked Amount			Recovery	=	118.90%	

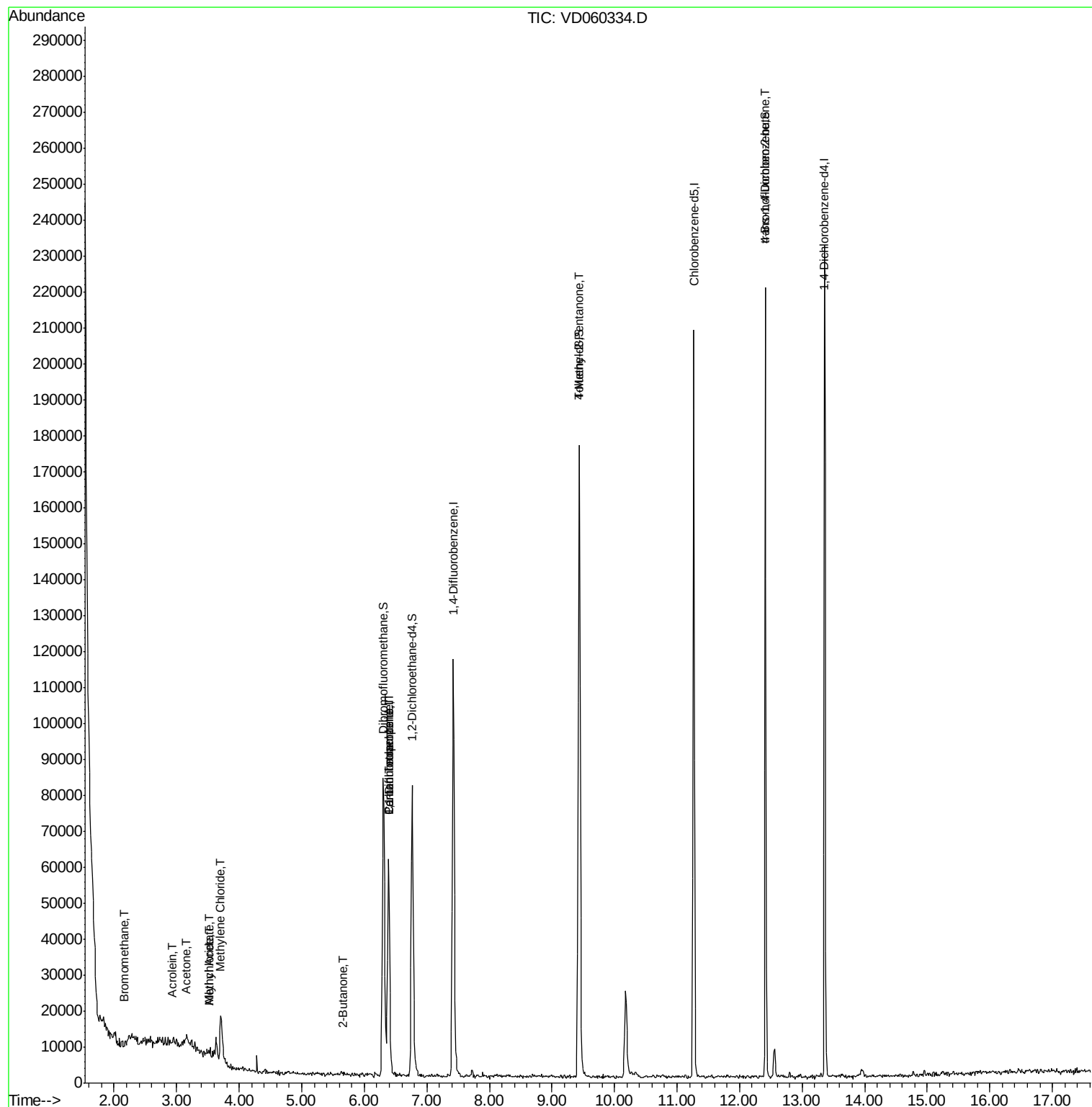
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	210	1.918	ug/l #	2
13) Acrolein	2.92	56	208	10.034	ug/l #	14
14) Allyl chloride	3.51	41	1355	2.432	ug/l #	21
16) Acetone	3.14	43	4874	65.772	ug/l #	55
18) Methyl Acetate	3.52	43	2998	18.974	ug/l #	63
20) Methylene Chloride	3.71	84	8314	12.647	ug/l	90
25) 2-Butanone	5.66	43	371	2.409	ug/l #	60
36) 1,1-Dichloropropene	6.38	75	3433	2.832	ug/l #	41
38) Carbon Tetrachloride	6.38	117	4527	4.026	ug/l #	12
51) 4-Methyl-2-Pentanone	9.42	43	970	2.127	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.41	75	25718	144.262	ug/l #	15
89) n-Butylbenzene	13.63	91	185	Below Cal	#	29

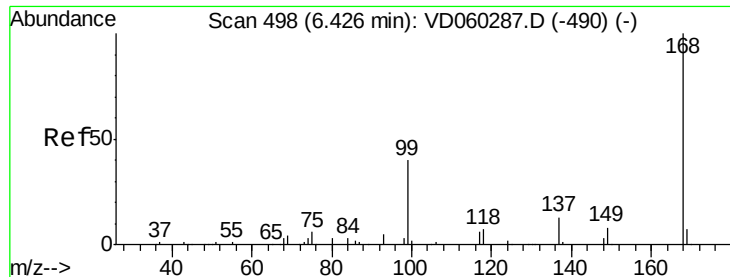
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD060334.D

Acq: 12 Nov 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

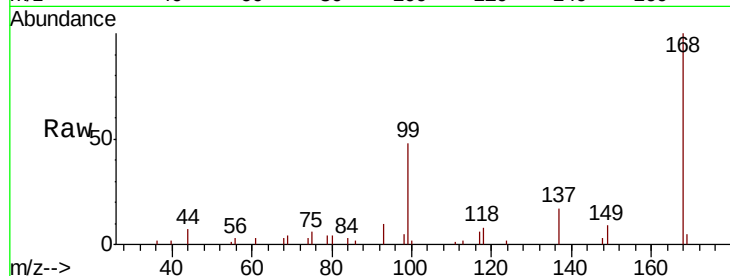
WALL-D

Tgt Ion:168 Resp: 59665

Ion Ratio Lower Upper

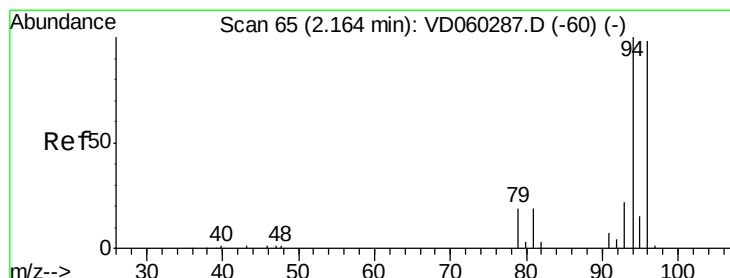
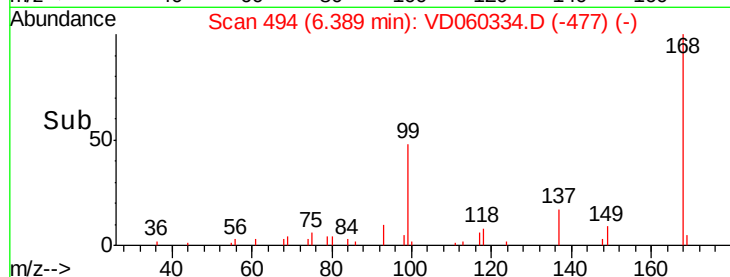
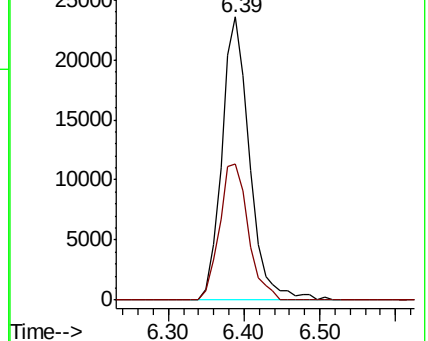
168 100

99 48.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.918 ug/l

RT: 2.16 min Scan# 64

Delta R.T. -0.01 min

Lab File: VD060334.D

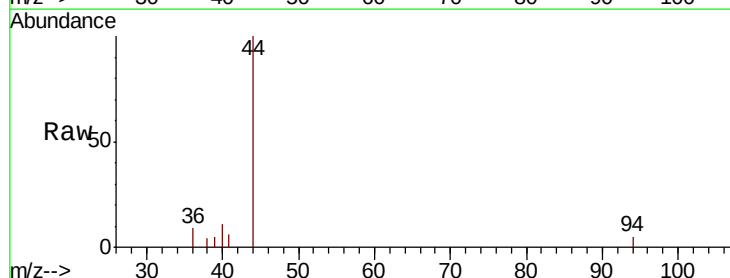
Acq: 12 Nov 2018 13:40

Tgt Ion: 94 Resp: 210

Ion Ratio Lower Upper

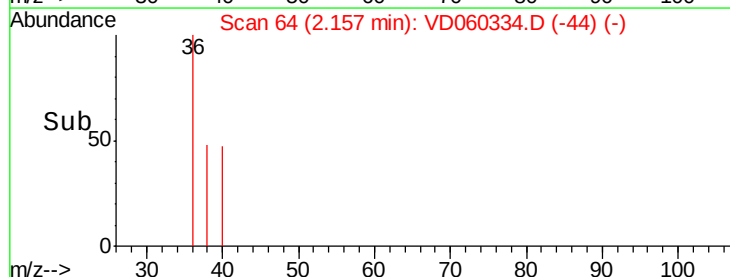
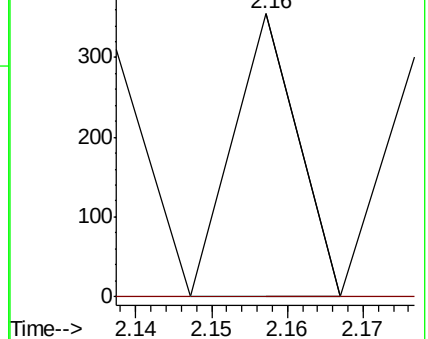
94 100

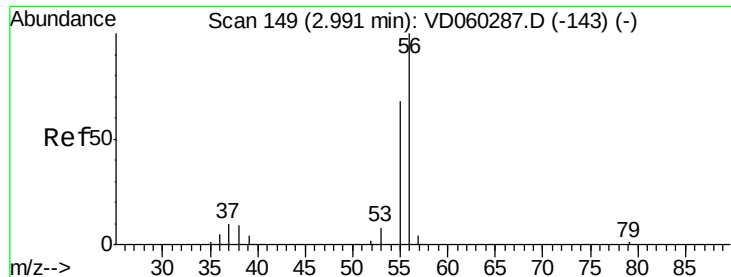
96 0.0 76.6 114.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#13

Acrolein

Concen: 10.034 ug/l

RT: 2.92 min Scan# 142

Delta R.T. -0.07 min

Lab File: VD060334.D

Acq: 12 Nov 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

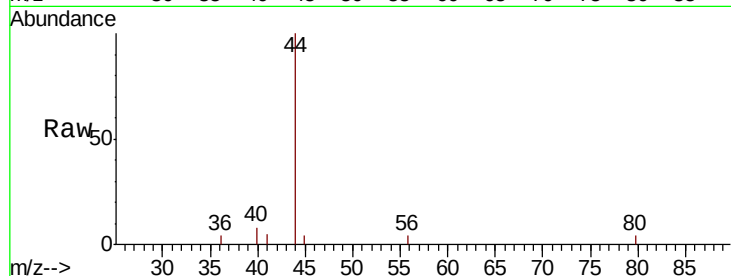
WALL-D

Tgt Ion: 56 Resp: 208

Ion Ratio Lower Upper

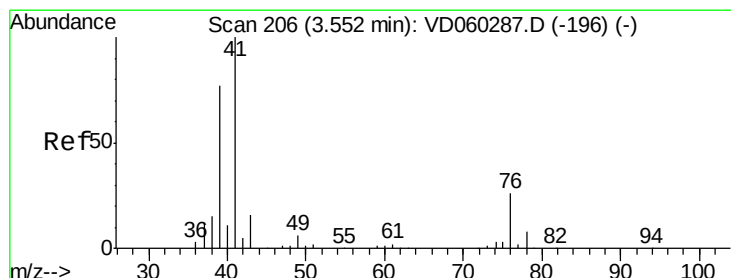
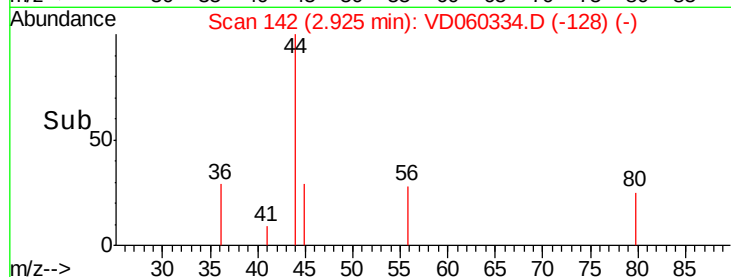
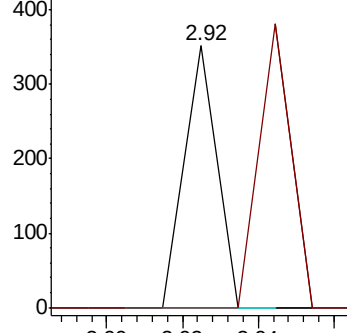
56 100

55 0.0 57.0 85.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 2.432 ug/l

RT: 3.51 min Scan# 201

Delta R.T. -0.05 min

Lab File: VD060334.D

Acq: 12 Nov 2018 13:40

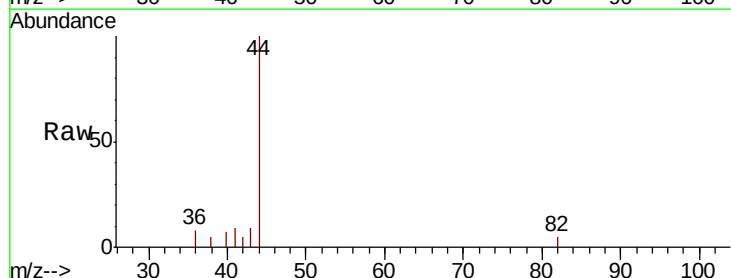
Tgt Ion: 41 Resp: 1355

Ion Ratio Lower Upper

41 100

39 0.0 60.4 90.6#

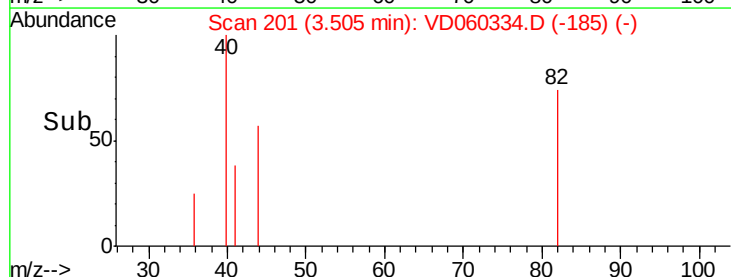
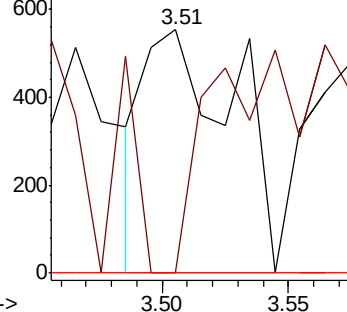
76 0.0 21.8 32.8#

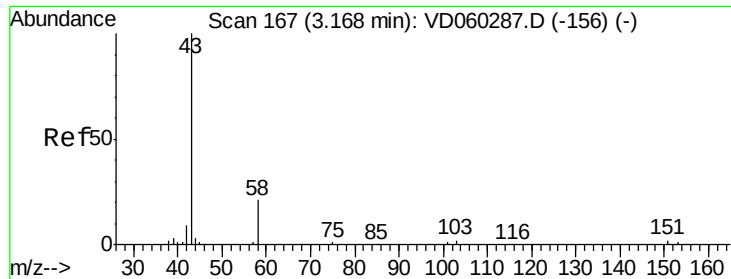


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#16

Acetone

Concen: 65.772 ug/l

RT: 3.14 min Scan# 164

Delta R.T. -0.03 min

Lab File: VD060334.D

Acq: 12 Nov 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

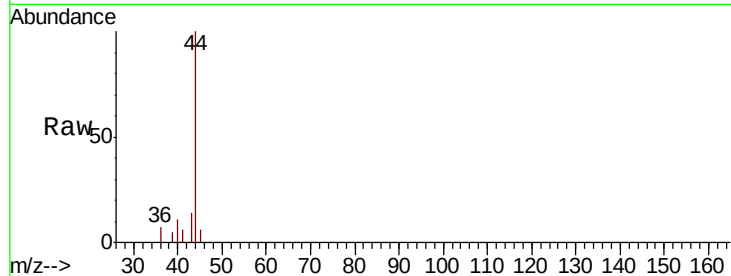
WALL-D

Tgt Ion: 43 Resp: 4874

Ion Ratio Lower Upper

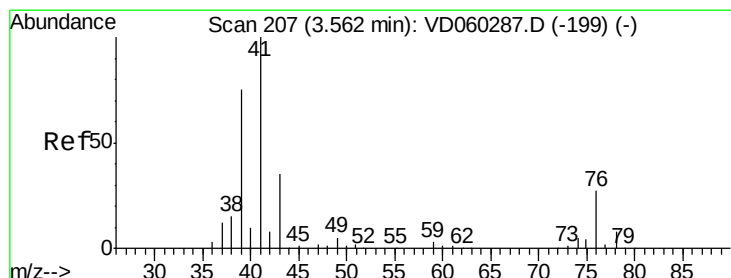
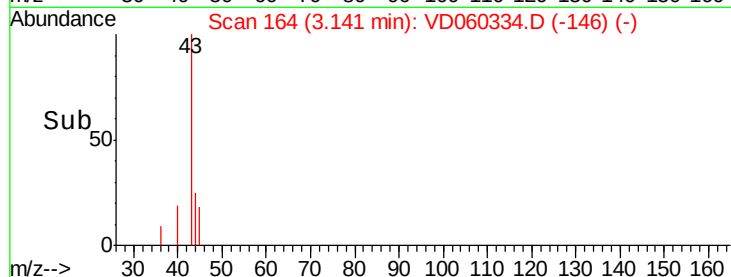
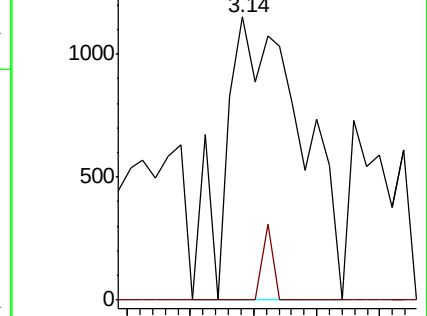
43 100

58 0.0 16.9 25.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 18.974 ug/l

RT: 3.52 min Scan# 202

Delta R.T. -0.05 min

Lab File: VD060334.D

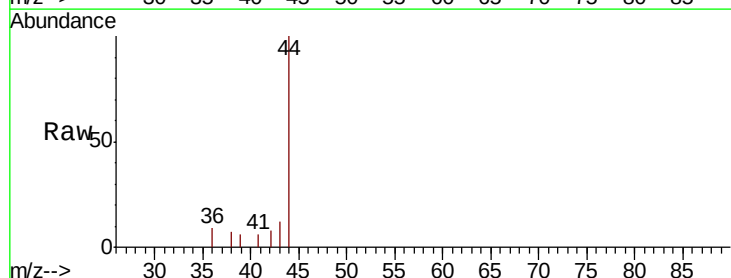
Acq: 12 Nov 2018 13:40

Tgt Ion: 43 Resp: 2998

Ion Ratio Lower Upper

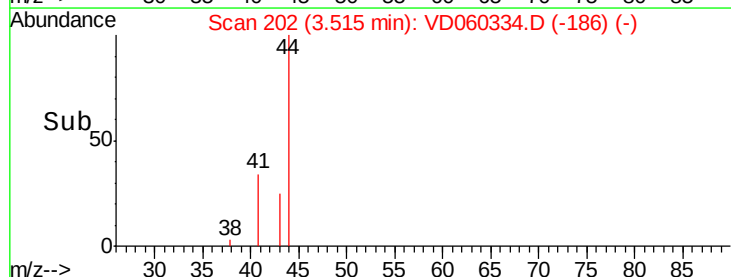
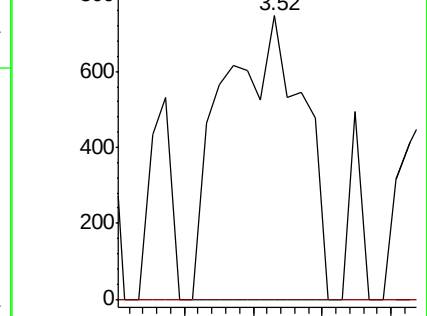
43 100

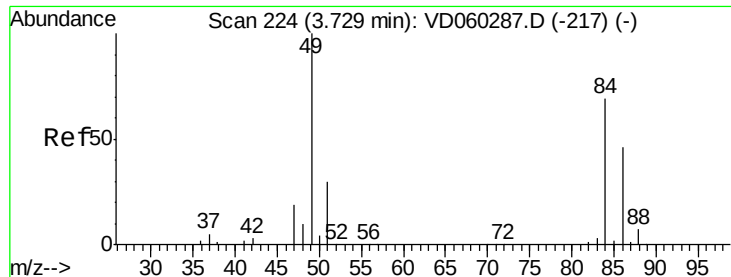
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

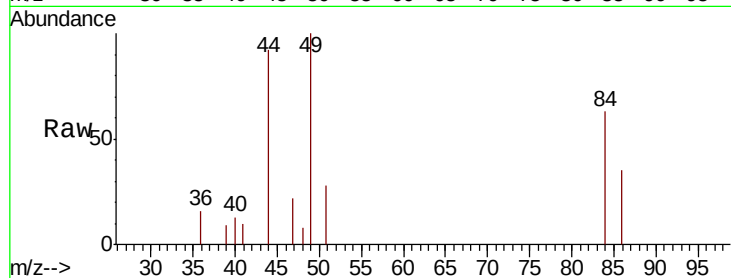




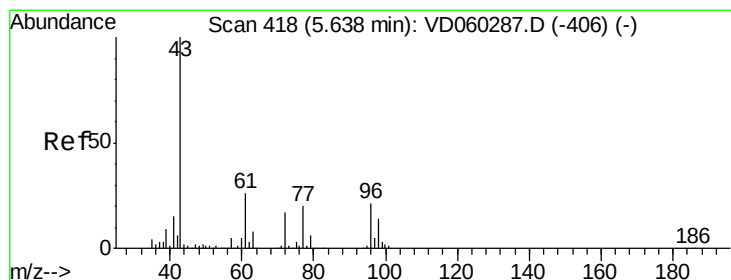
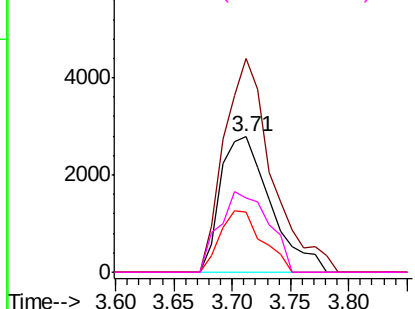
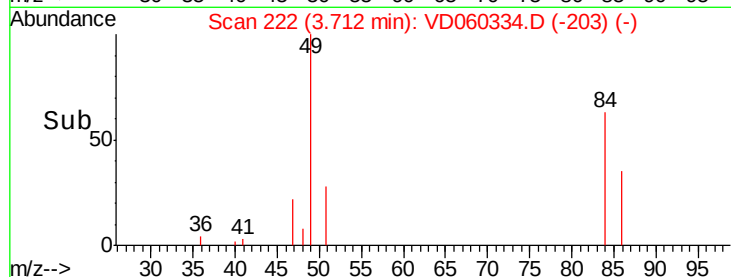
#20
Methylene Chloride
Concen: 12.647 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060334.D
Acq: 12 Nov 2018 13:40

Instrument :
MSVOA_D
ClientSampleId :
WALL-D

Tgt Ion: 84 Resp: 8314
Ion Ratio Lower Upper
84 100
49 158.1 115.6 173.4
51 45.0 35.6 53.4
86 55.0 52.3 78.5

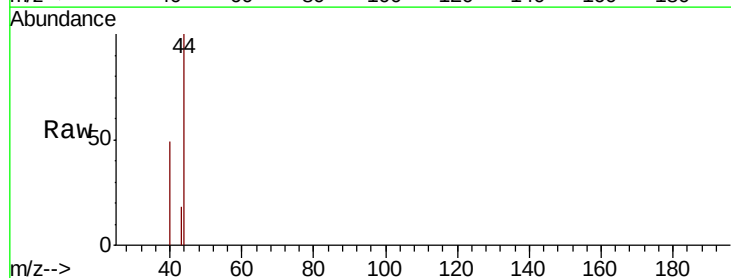


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

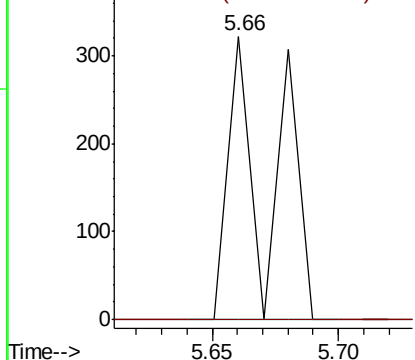
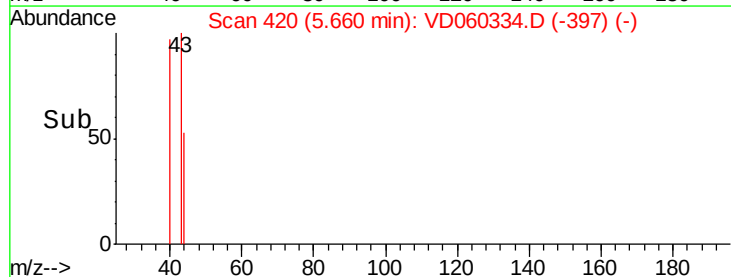


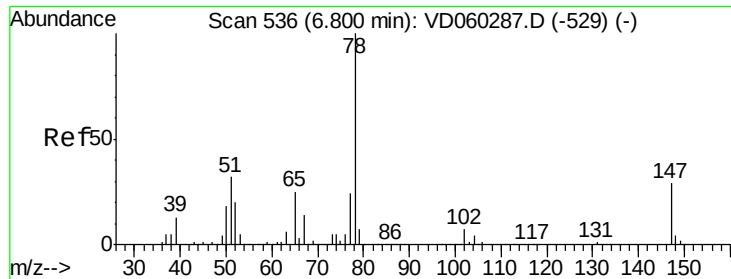
#25
2-Butanone
Concen: 2.409 ug/l
RT: 5.66 min Scan# 420
Delta R.T. 0.02 min
Lab File: VD060334.D
Acq: 12 Nov 2018 13:40

Tgt Ion: 43 Resp: 371
Ion Ratio Lower Upper
43 100
72 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

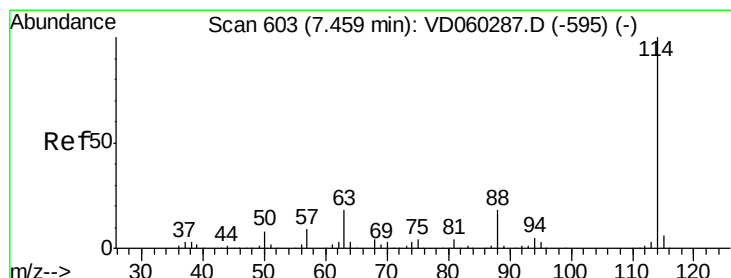
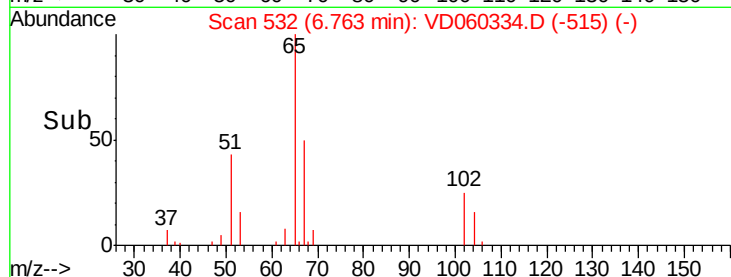
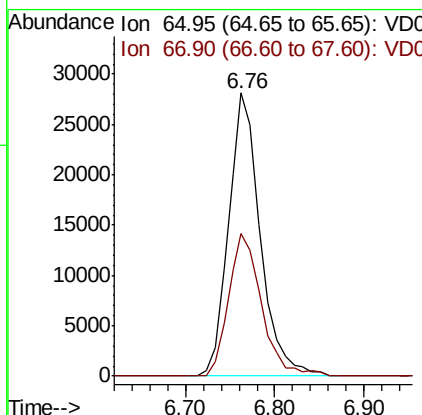
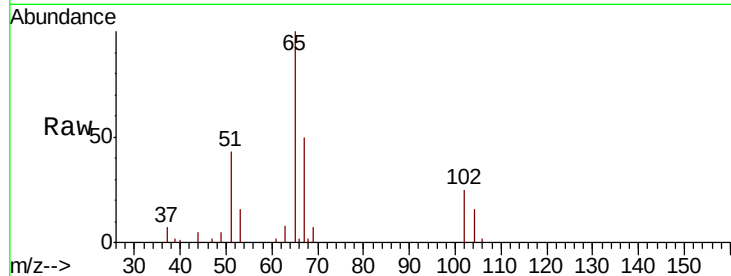




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.04 min
 Lab File: VD060334.D
 Acq: 12 Nov 2018 13:40

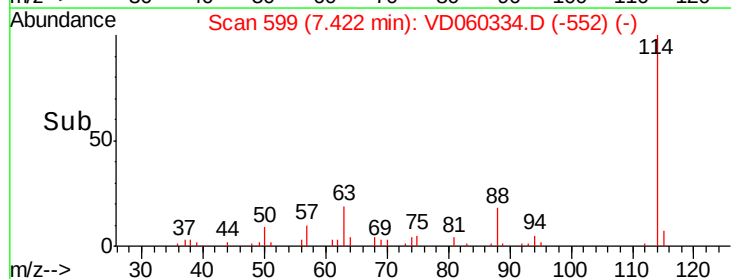
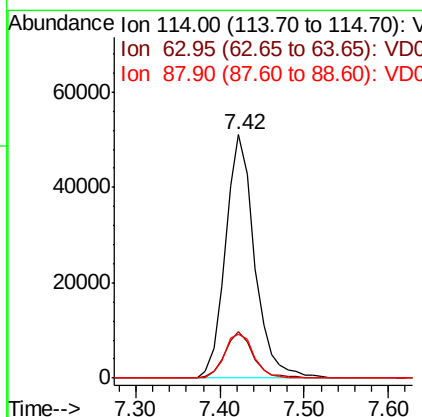
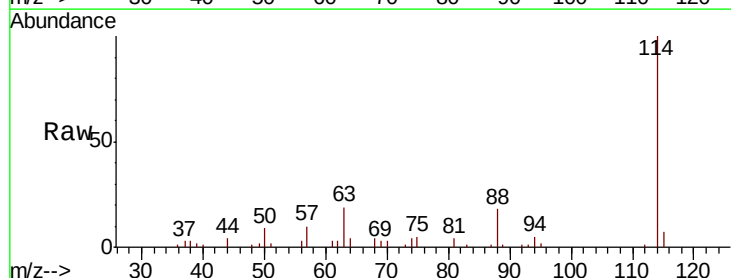
Instrument :
 MSVOA_D
 ClientSampleId :
 WALL-D

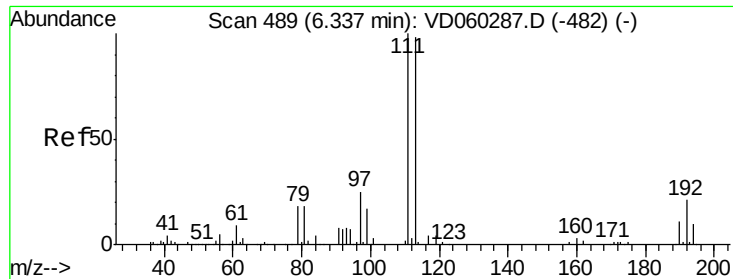
Tgt Ion: 65 Resp: 69776
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.04 min
 Lab File: VD060334.D
 Acq: 12 Nov 2018 13:40

Tgt Ion: 114 Resp: 122690
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 34.0
 88 18.1 0.0 35.4

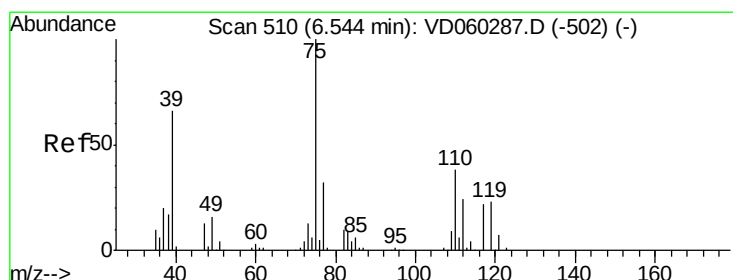
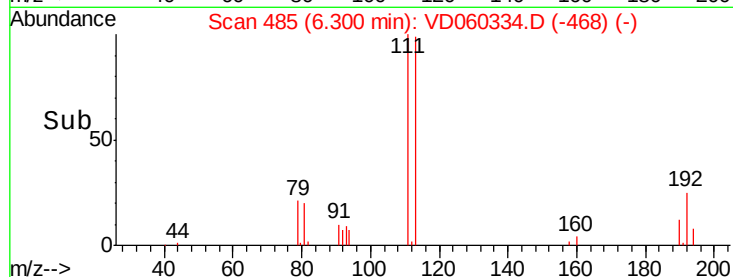
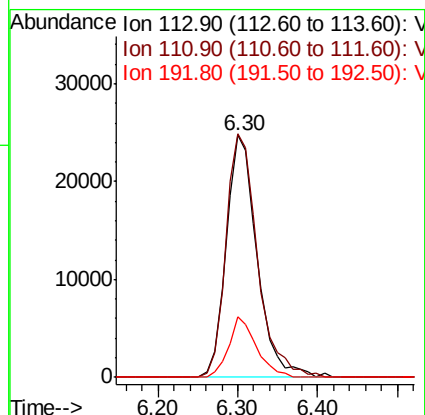
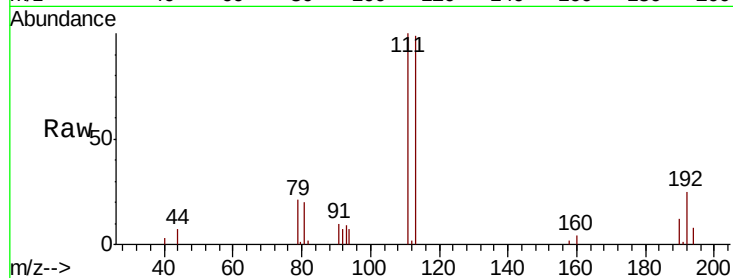




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.04 min
 Lab File: VD060334.D
 Acq: 12 Nov 2018 13:40

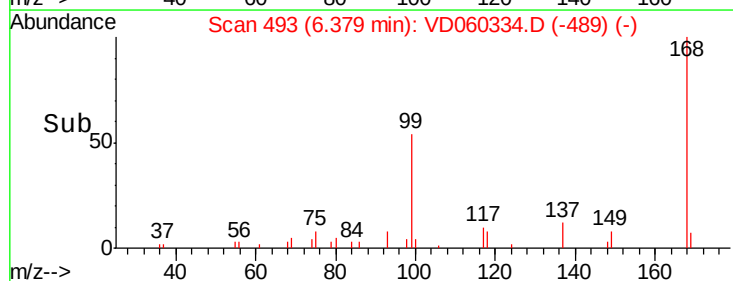
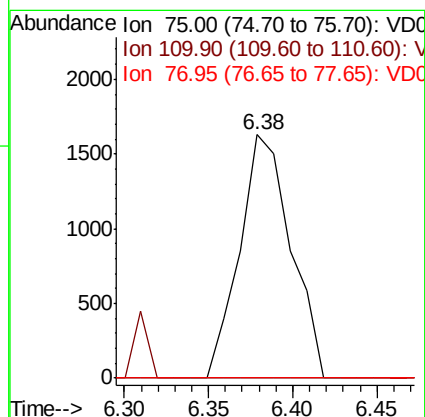
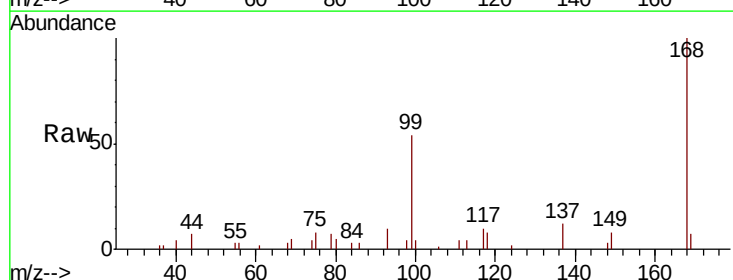
Instrument :
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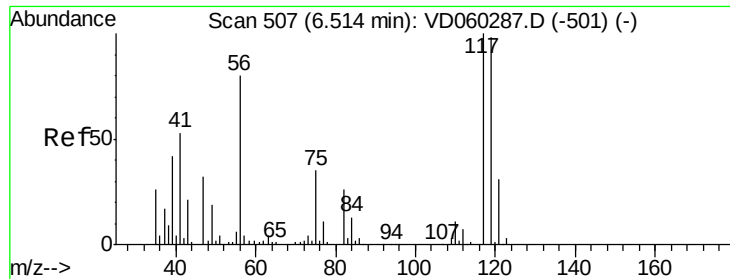
Tgt Ion: 113 Resp: 66954
 Ion Ratio Lower Upper
 113 100
 111 100.5 81.6 122.4
 192 24.8 16.5 24.7#



#36
 1,1-Dichloropropene
 Concen: 2.832 ug/l
 RT: 6.38 min Scan# 493
 Delta R.T. -0.16 min
 Lab File: VD060334.D
 Acq: 12 Nov 2018 13:40

Tgt Ion: 75 Resp: 3433
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.0 54.0#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 4.026 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.14 min

Lab File: VD060334.D

Acq: 12 Nov 2018 13:40

Instrument :

MSVOA_D

ClientSampled :

WALL-D

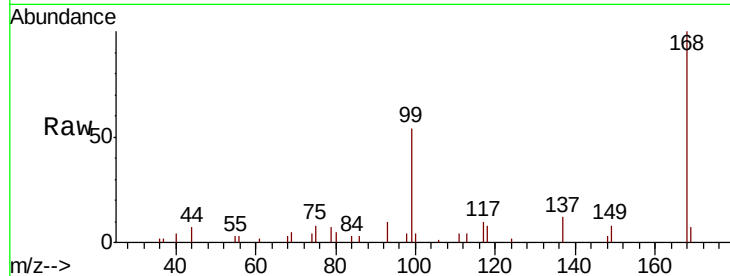
Tgt Ion:117 Resp: 4527

Ion Ratio Lower Upper

117 100

119 0.0 76.6 115.0#

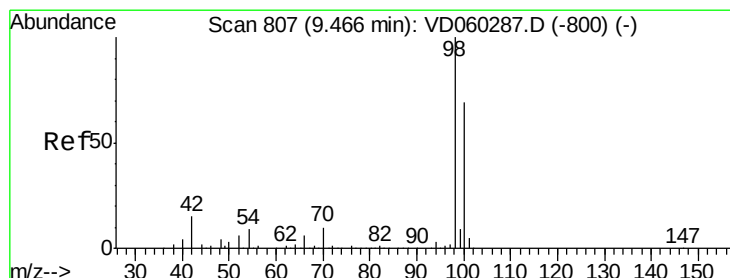
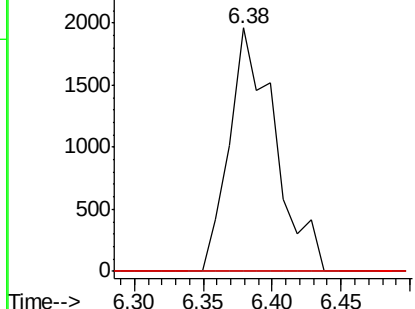
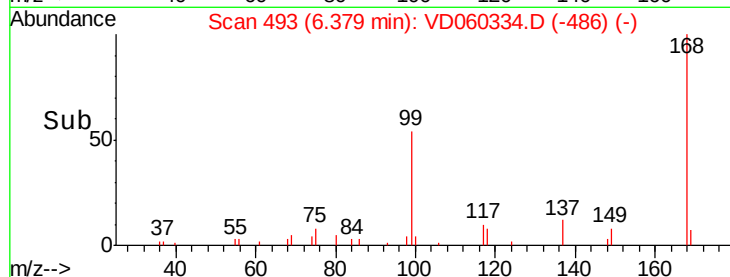
121 0.0 24.3 36.5#



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: 9.44 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060334.D

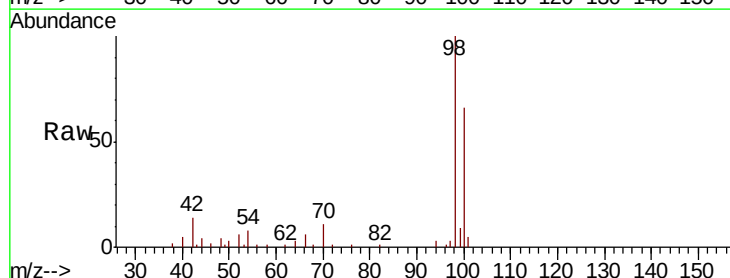
Acq: 12 Nov 2018 13:40

Tgt Ion: 98 Resp: 150317

Ion Ratio Lower Upper

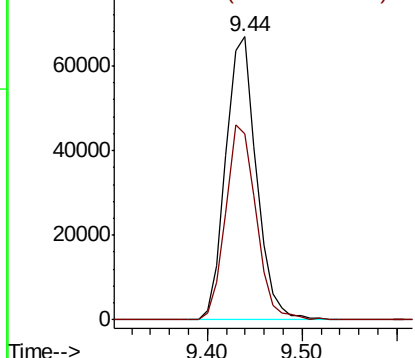
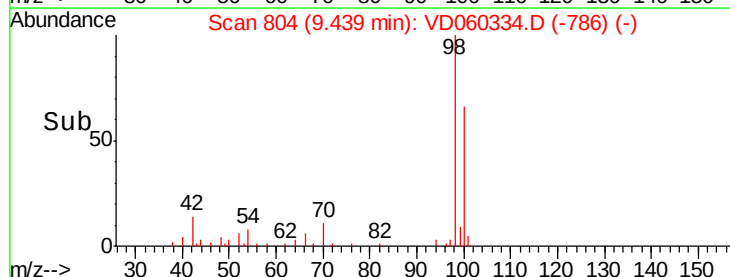
98 100

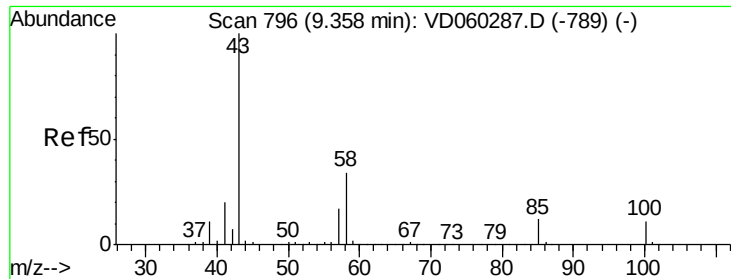
100 65.6 55.2 82.8



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: 2.127 ug/l

RT: 9.42 min Scan# 802

Delta R.T. 0.06 min

Lab File: VD060334.D

Acq: 12 Nov 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

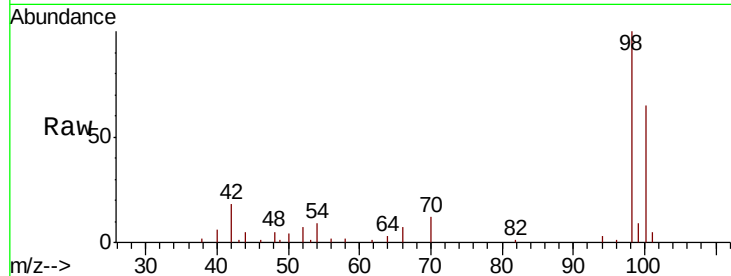
WALL-D

Tgt Ion: 43 Resp: 970

Ion Ratio Lower Upper

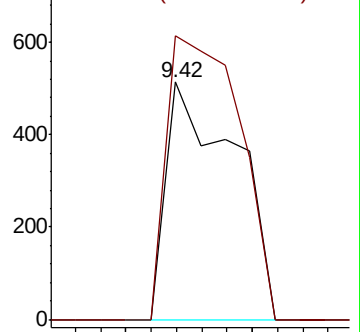
43 100

58 119.3 26.1 39.1#

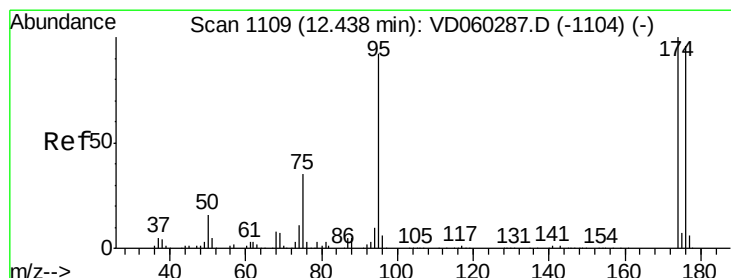
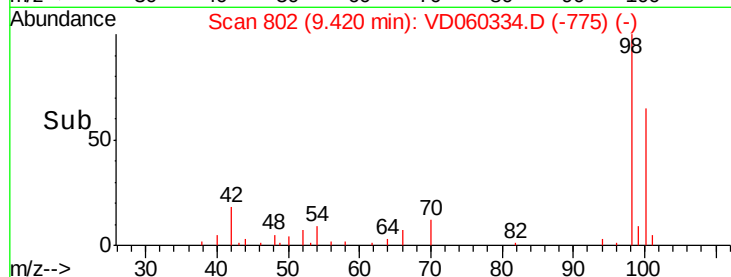


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.03 min

Lab File: VD060334.D

Acq: 12 Nov 2018 13:40

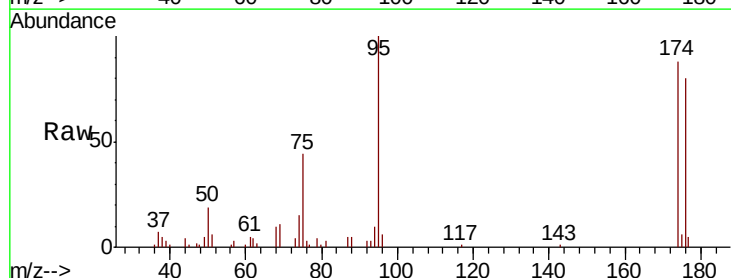
Tgt Ion: 95 Resp: 57677

Ion Ratio Lower Upper

95 100

174 88.4 0.0 160.8

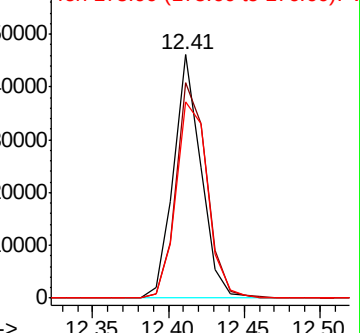
176 80.4 0.0 154.6



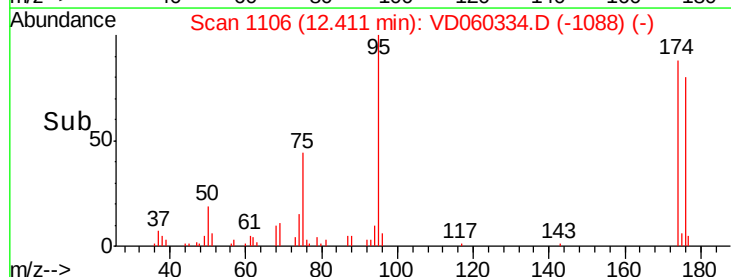
Abundance Ion 95.00 (94.70 to 95.70): VDC

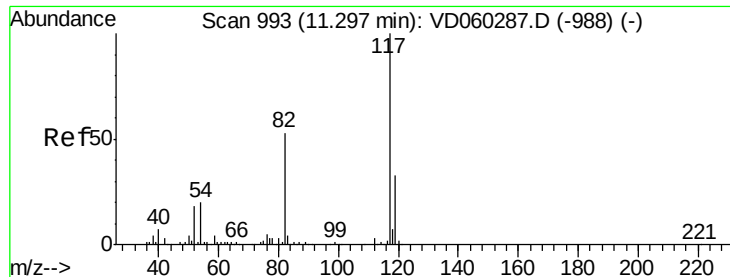
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->

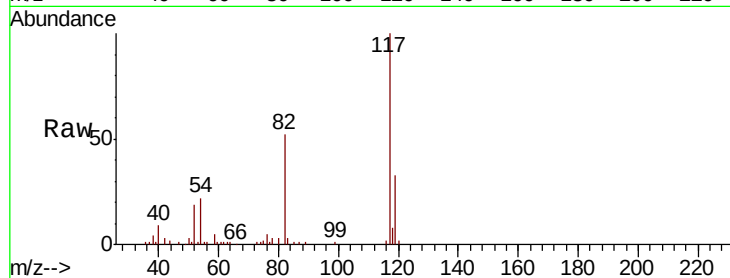




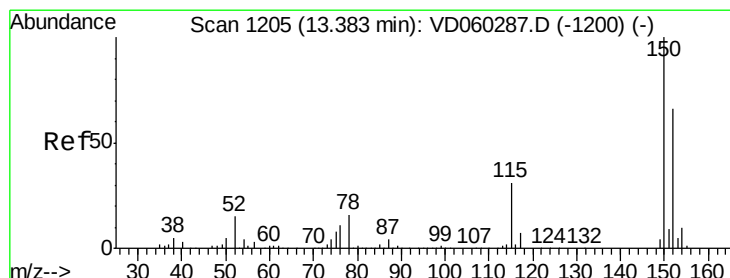
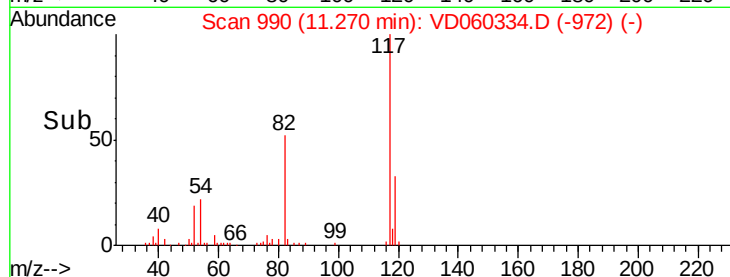
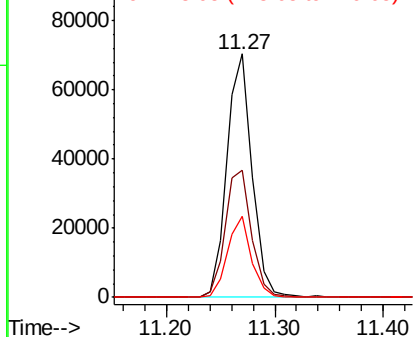
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060334.D
Acq: 12 Nov 2018 13:40

Instrument :
MSVOA_D
ClientSampleId :
WALL-D

Tgt Ion:117 Resp: 113687
Ion Ratio Lower Upper
117 100
82 52.4 43.7 65.5
119 33.5 26.1 39.1

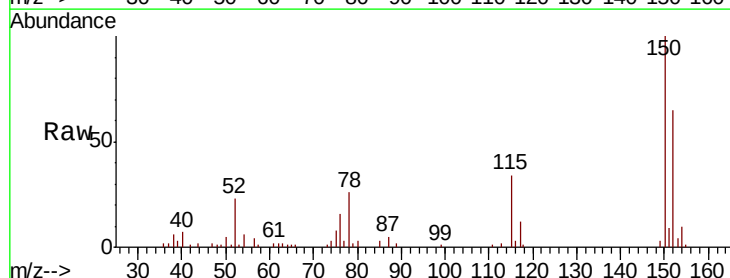


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

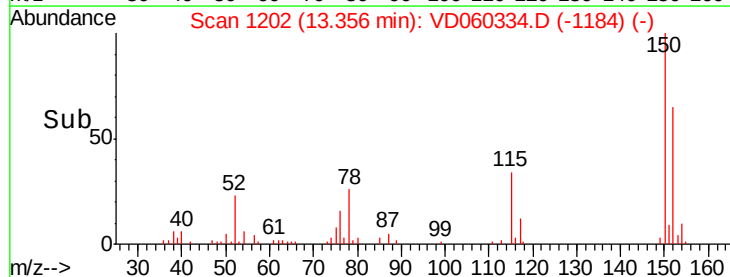
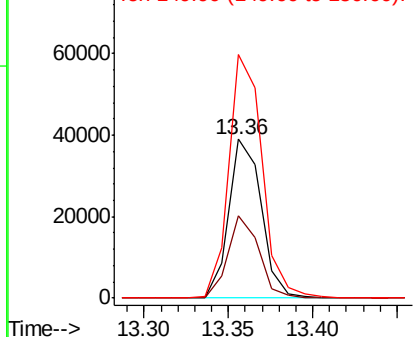


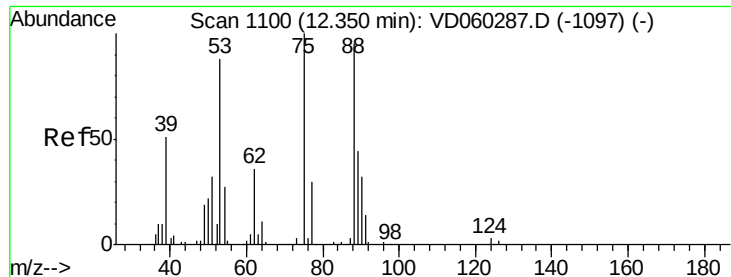
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1202
Delta R.T. -0.03 min
Lab File: VD060334.D
Acq: 12 Nov 2018 13:40

Tgt Ion:152 Resp: 52346
Ion Ratio Lower Upper
152 100
115 52.1 24.1 72.3
150 153.2 0.0 310.6



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: 144.262 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.06 min

Lab File: VD060334.D

Acq: 12 Nov 2018 13:40

Instrument :

MSVOA_D

ClientSampleId :

WALL-D

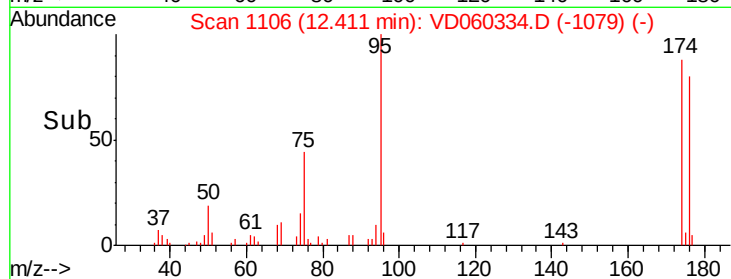
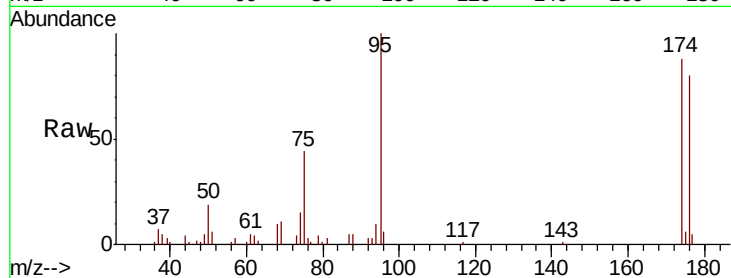
Tgt Ion: 75 Resp: 25718

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#



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

