

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
 Data File : VD060053.D
 Acq On : 20 Sep 2018 17:40
 Operator : VA/AP
 Sample : J5017-01
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-N-NW-055

Quant Time: Sep 21 00:59:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1279215	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	1746017	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1268431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	489289	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	426920	42.80	ug/l	0.02
Spiked Amount			Recovery	=	85.60%	
35) Dibromofluoromethane	6.32	113	587140	43.04	ug/l	0.02
Spiked Amount			Recovery	=	86.08%	
50) Toluene-d8	9.44	98	1475871	39.04	ug/l	0.00
Spiked Amount			Recovery	=	78.08%	
62) 4-Bromofluorobenzene	12.42	95	466326	32.29	ug/l	0.00
Spiked Amount			Recovery	=	64.58%	

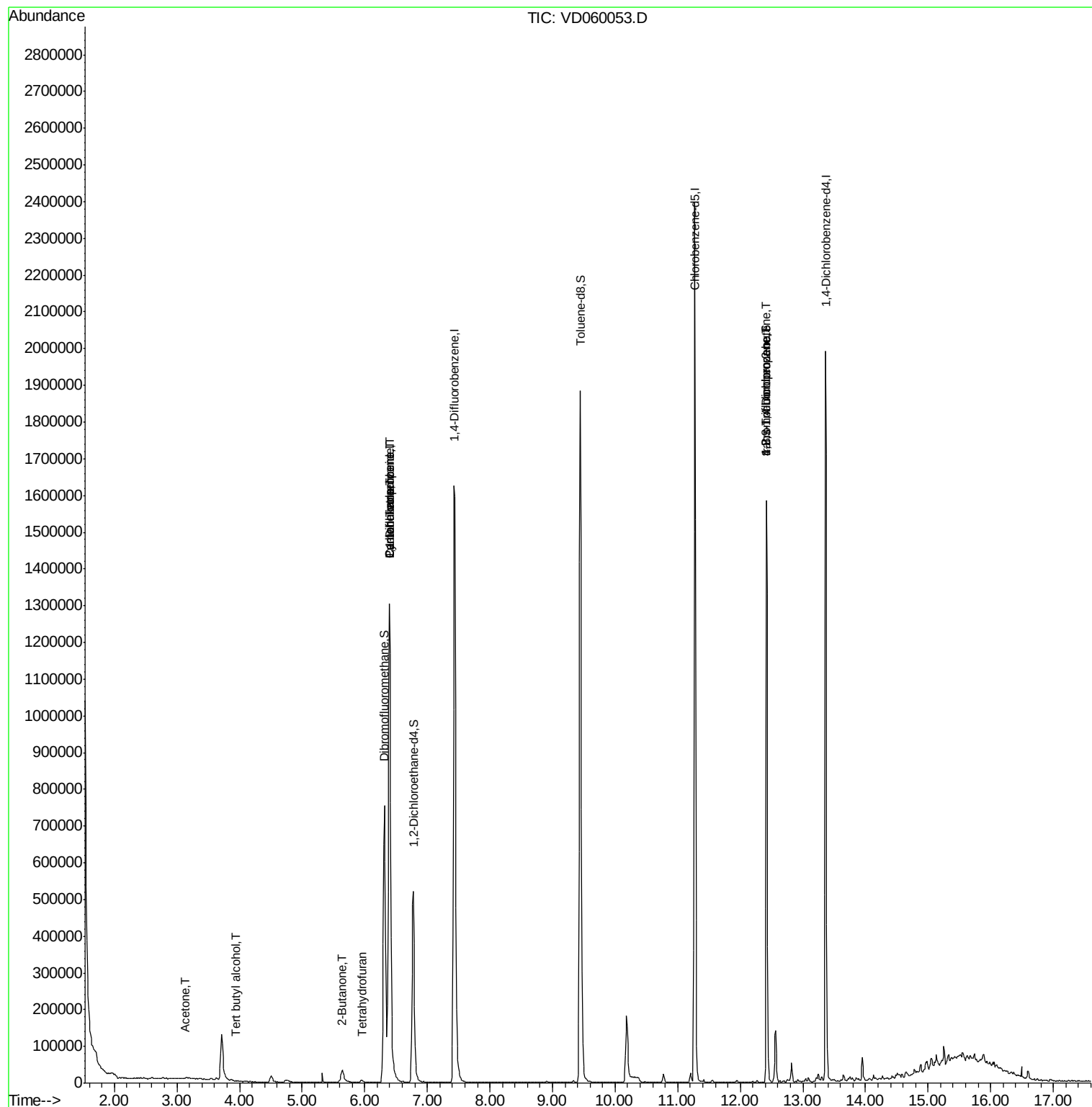
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.95	59	2745	3.41	ug/l #	74
16) Acetone	3.15	43	11784	6.12	ug/l #	88
20) Methylene Chloride	3.72	84	83911	Below Cal		98
25) 2-Butanone	5.63	43	7694	1.48	ug/l #	61
29) Tetrahydrofuran	5.96	42	5162	1.85	ug/l #	41
31) Cyclohexane	6.39	56	26035	1.18	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	92495	5.33	ug/l #	46
38) Carbon Tetrachloride	6.39	117	101576	6.27	ug/l #	15
51) 4-Methyl-2-Pentanone	9.34	43	5675	Below Cal	#	74
59) 2-Hexanone	10.48	43	2367	Below Cal		98
76) 1,2,3-Trichloropropane	12.42	75	155956	20.87	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	187610	83.17	ug/l #	15
89) n-Butylbenzene	13.64	91	2568	Below Cal		84
91) 1,2-Dichlorobenzene	13.66	146	2275	Below Cal		91

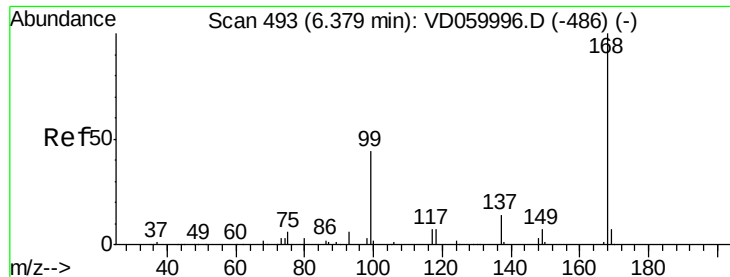
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092018\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060053.D

Acq: 20 Sep 2018 17:40

Instrument :

MSVOA_D

ClientSampleId :

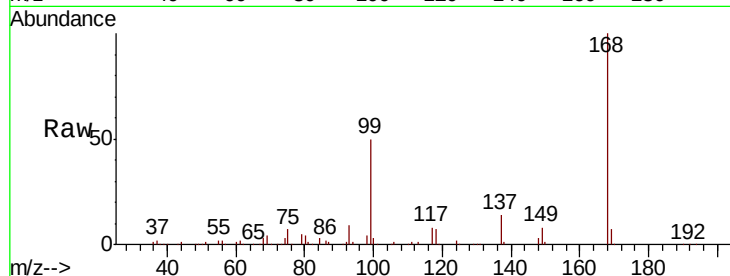
RA-091918-N-NW-055

Tot Ion:168 Resp: 1279215

Ion Ratio Lower Upper

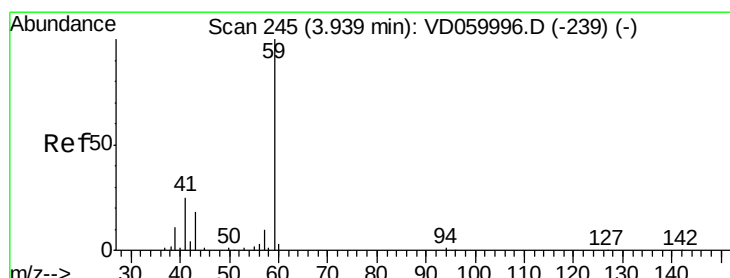
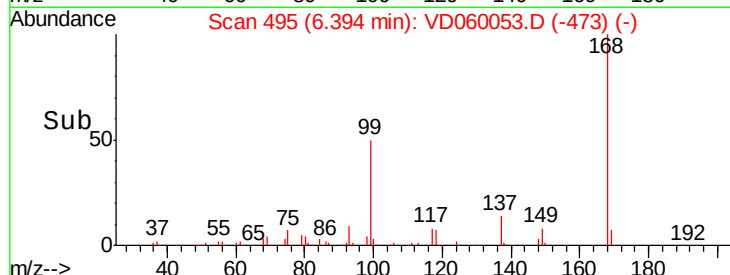
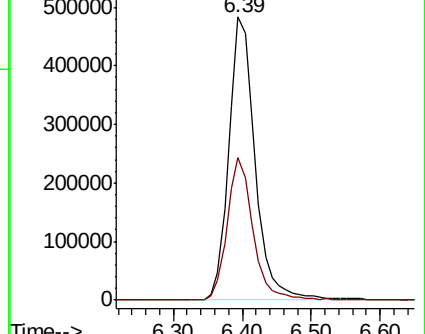
168 100

99 50.2 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 3.41 ug/l

RT: 3.95 min Scan# 247

Delta R.T. 0.02 min

Lab File: VD060053.D

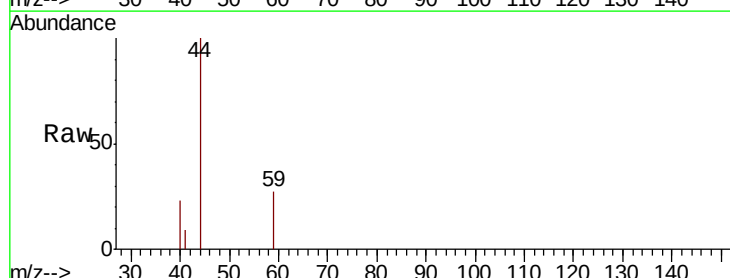
Acq: 20 Sep 2018 17:40

Tgt Ion: 59 Resp: 2745

Ion Ratio Lower Upper

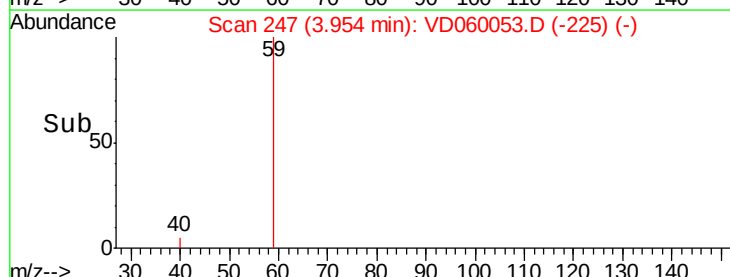
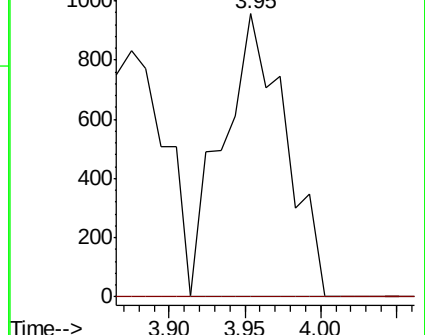
59 100

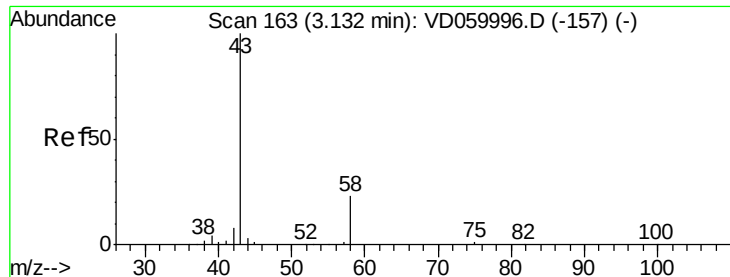
57 0.0 7.4 11.2#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 6.12 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060053.D

Acq: 20 Sep 2018 17:40

Instrument :

MSVOA_D

ClientSampleId :

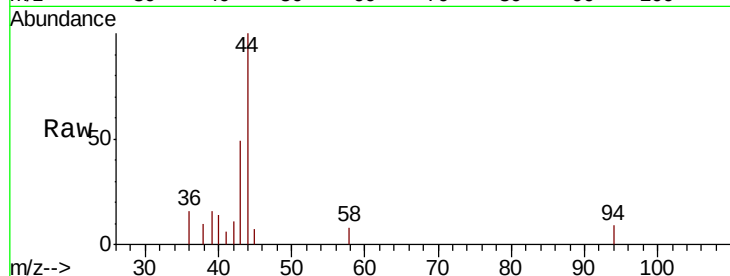
RA-091918-N-NW-055

Tot Ion: 43 Resp: 11784

Ion Ratio Lower Upper

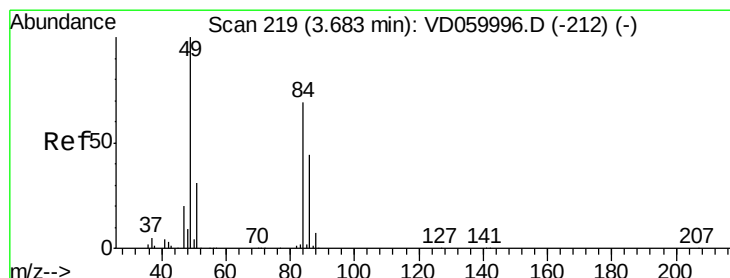
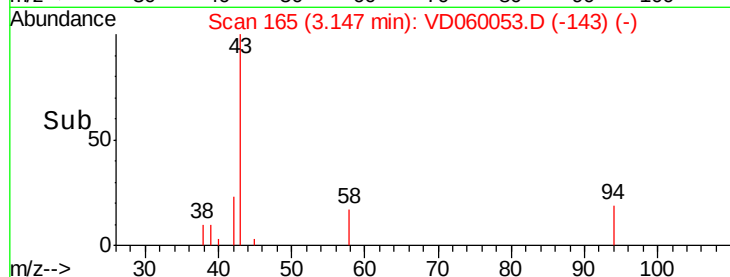
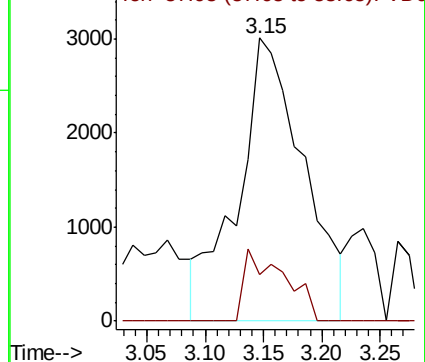
43 100

58 16.6 18.1 27.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.72 min Scan# 223

Delta R.T. 0.04 min

Lab File: VD060053.D

Acq: 20 Sep 2018 17:40

Tgt Ion: 84 Resp: 83911

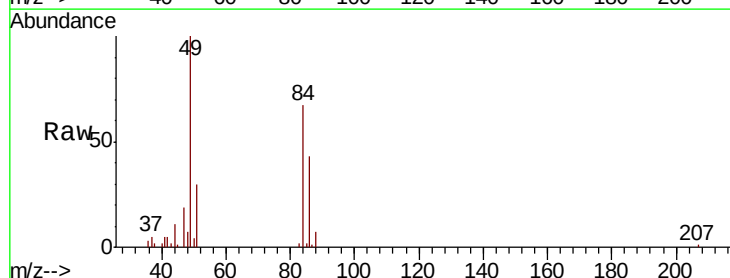
Ion Ratio Lower Upper

84 100

49 149.2 116.6 175.0

51 44.8 35.9 53.9

86 64.1 51.8 77.6

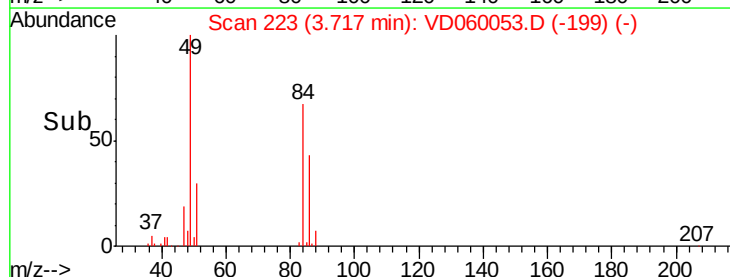
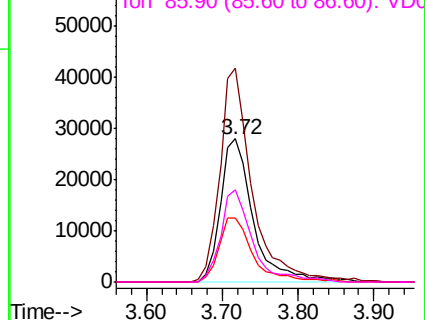


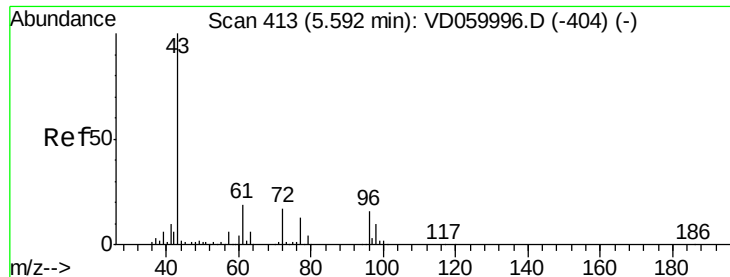
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 1.48 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.04 min

Lab File: VD060053.D

Acq: 20 Sep 2018 17:40

Instrument :

MSVOA_D

ClientSampleId :

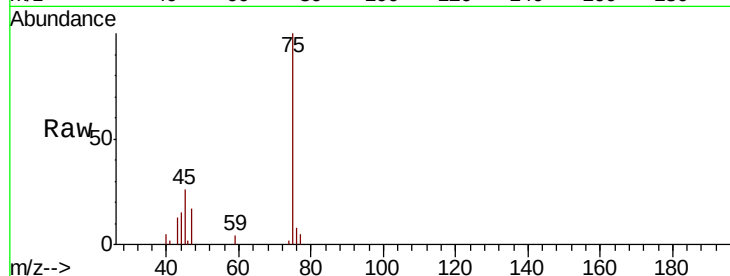
RA-091918-N-NW-055

Tot Ion: 43 Resp: 7694

Ion Ratio Lower Upper

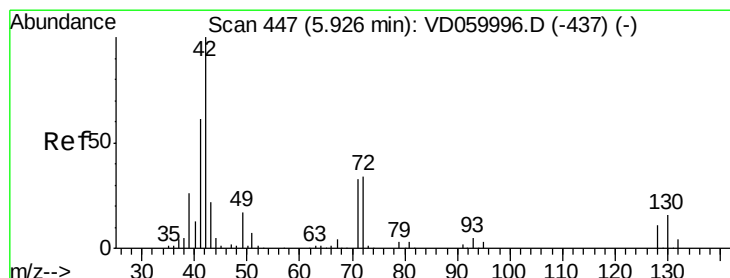
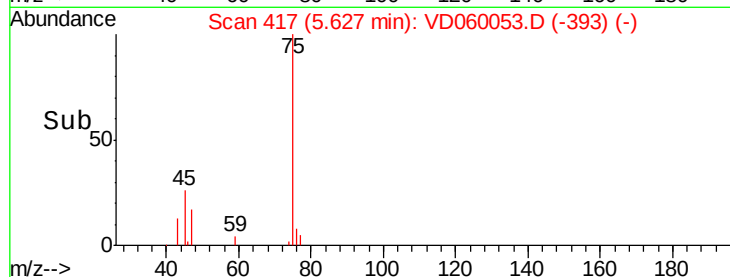
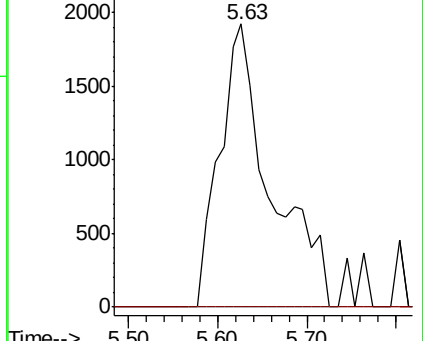
43 100

72 0.0 13.6 20.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.85 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.03 min

Lab File: VD060053.D

Acq: 20 Sep 2018 17:40

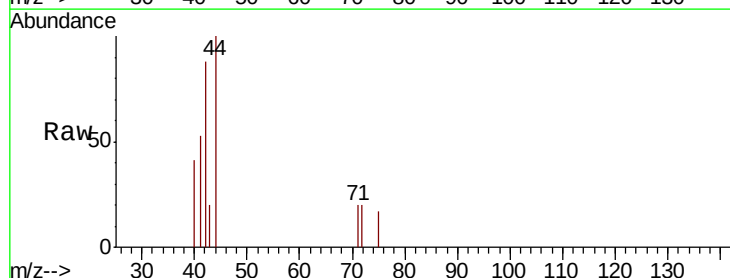
Tgt Ion: 42 Resp: 5162

Ion Ratio Lower Upper

42 100

72 0.0 26.9 40.3#

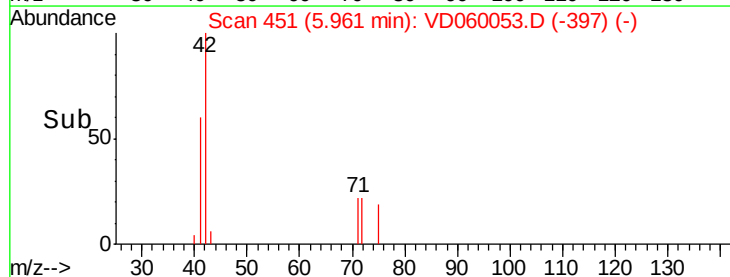
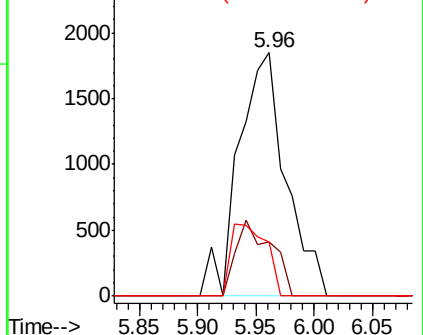
71 0.0 26.2 39.4#

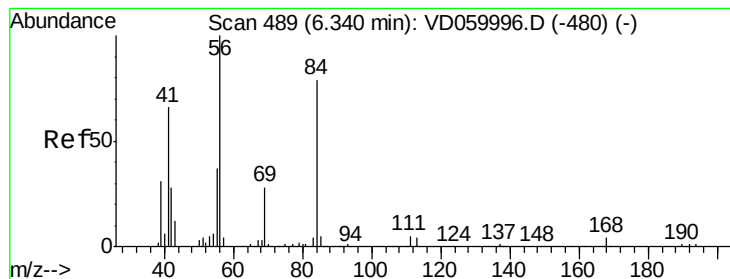


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.18 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.05 min

Lab File: VD060053.D

Acq: 20 Sep 2018 17:40

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-N-NW-055

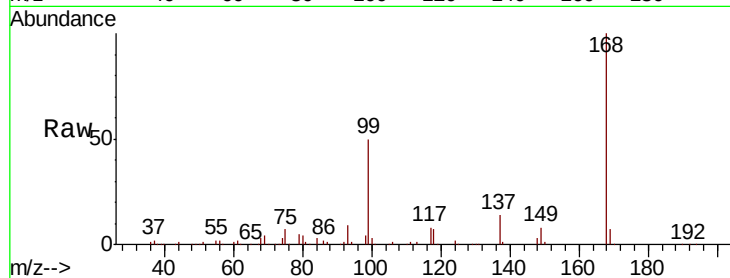
Tot Ion: 56 Resp: 26035

Ion Ratio Lower Upper

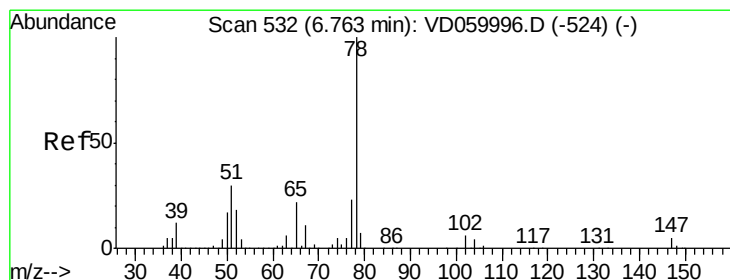
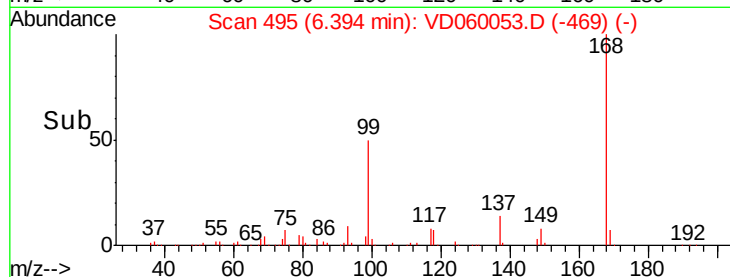
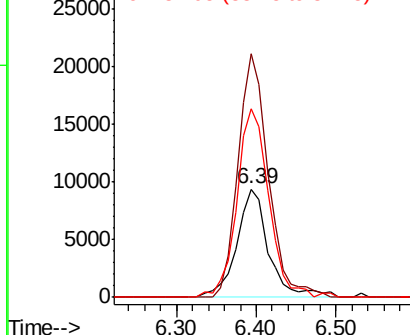
56 100

69 224.5 22.7 34.1#

84 173.5 64.0 96.0#



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: Below ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060053.D

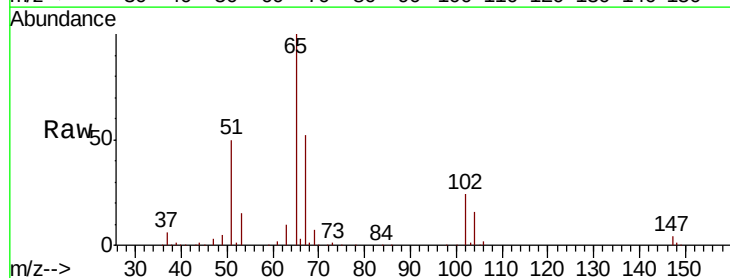
Acq: 20 Sep 2018 17:40

Tgt Ion: 65 Resp: 426920

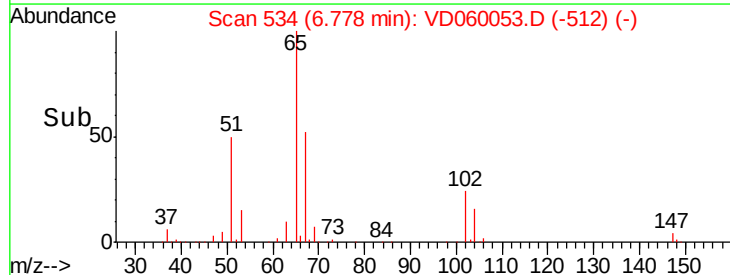
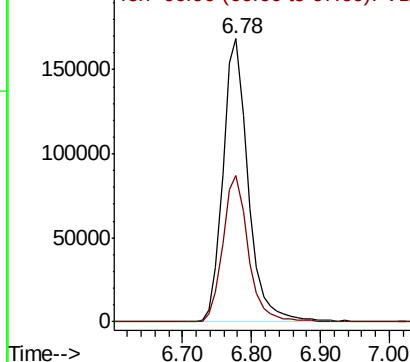
Ion Ratio Lower Upper

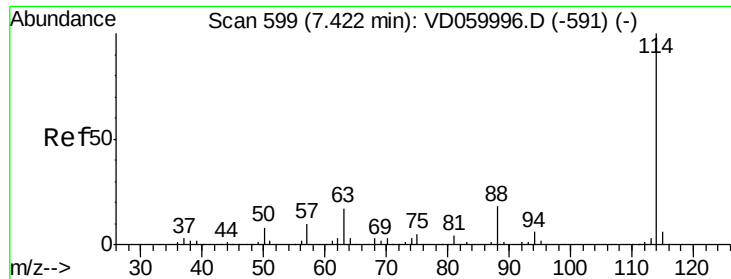
65 100

67 51.8 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



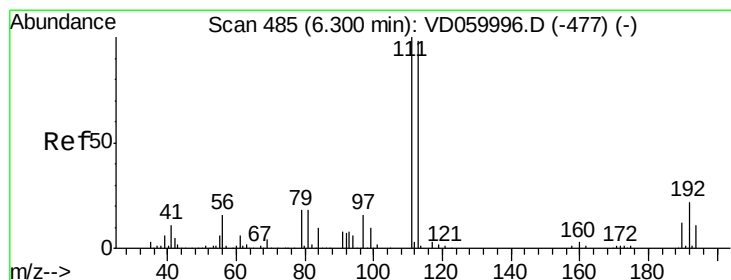
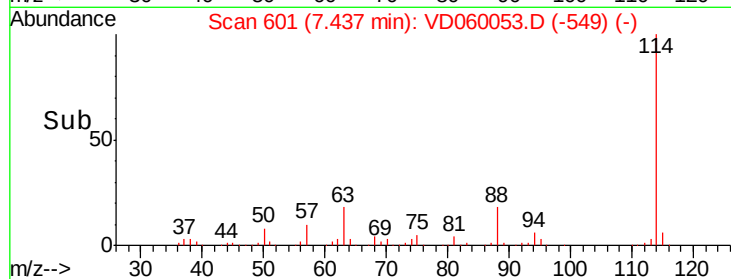
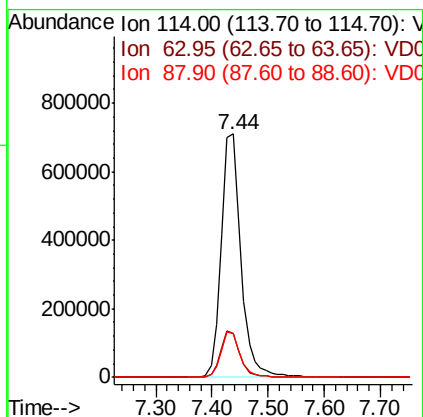
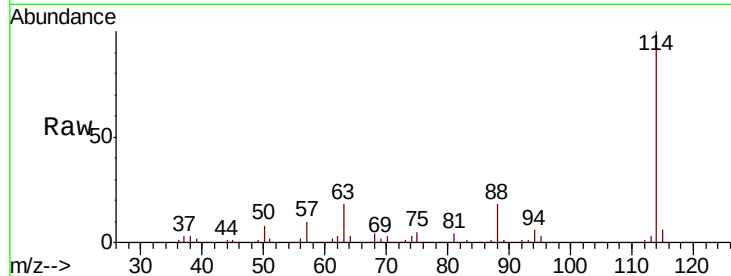


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060053.D
 Acq: 20 Sep 2018 17:40

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-N-NW-055

Tot Ion:114 Resp: 1746017

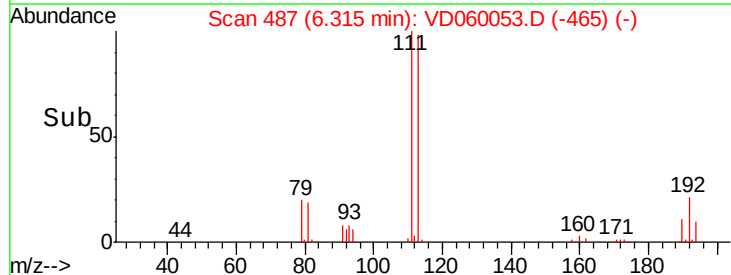
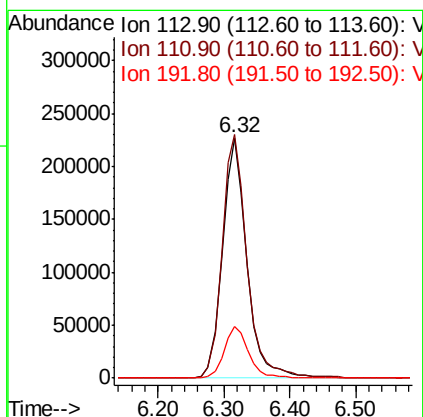
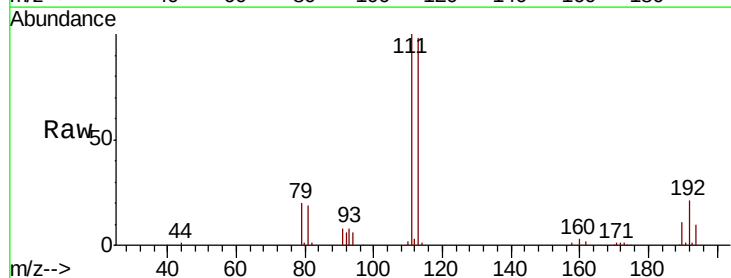
Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	34.4
88	18.0	0.0	35.8

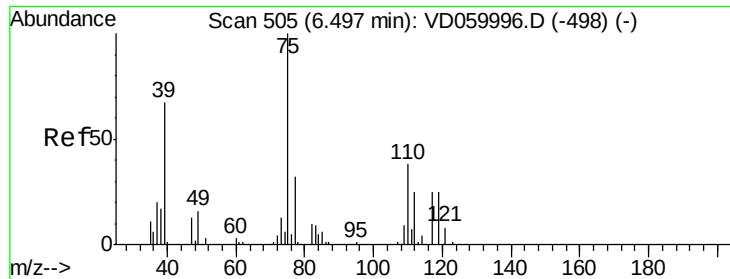


#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060053.D
 Acq: 20 Sep 2018 17:40

Tgt Ion:113 Resp: 587140

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.3	121.9
192	21.5	18.1	27.1

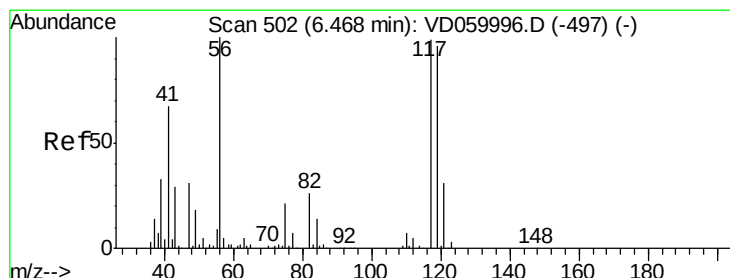
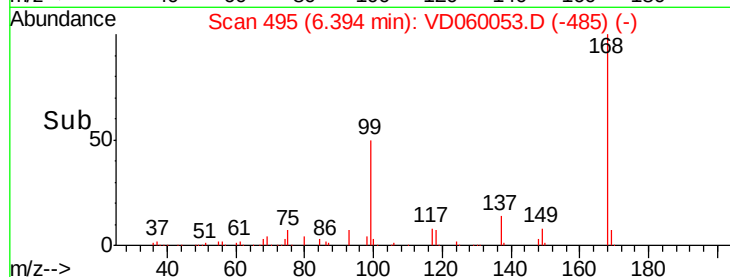
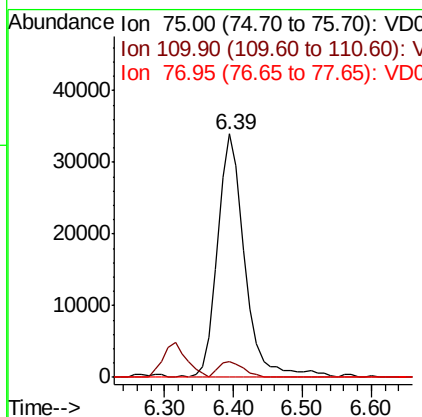
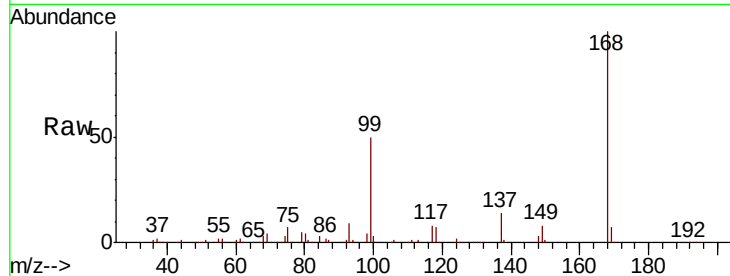




#36
 1,1-Dichloropropene
 Concen: 5.33 ug/l
 RT: 6.39 min Scan# 495
 Delta R.T. -0.10 min
 Lab File: VD060053.D
 Acq: 20 Sep 2018 17:40

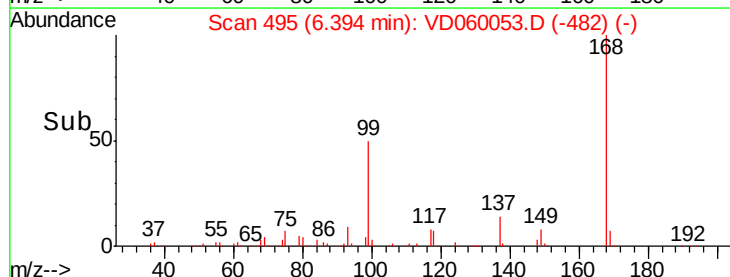
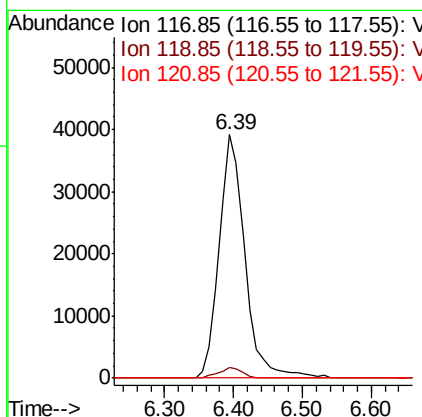
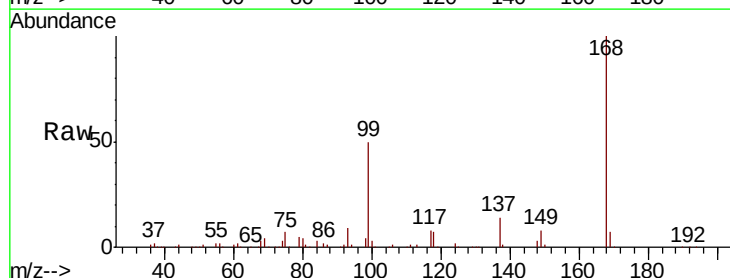
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-N-NW-055

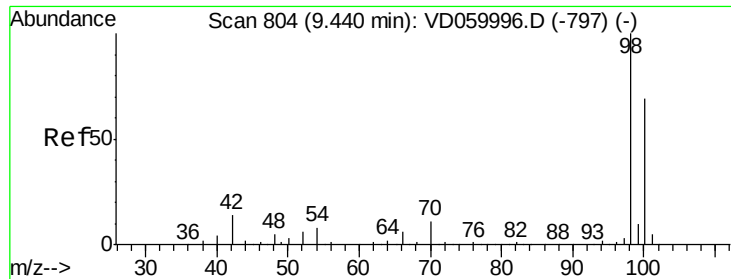
Tot Ion	75	Resp	92495
Ion Ratio	Lower	Upper	
75	100		
110	6.7	18.9	56.9#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 6.27 ug/l
 RT: 6.39 min Scan# 495
 Delta R.T. -0.07 min
 Lab File: VD060053.D
 Acq: 20 Sep 2018 17:40

Tgt Ion	117	Resp	101576
Ion Ratio	Lower	Upper	
117	100		
119	4.2	76.7	115.1#
121	0.0	24.9	37.3#

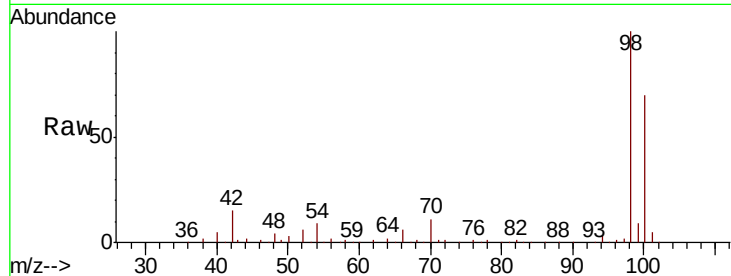




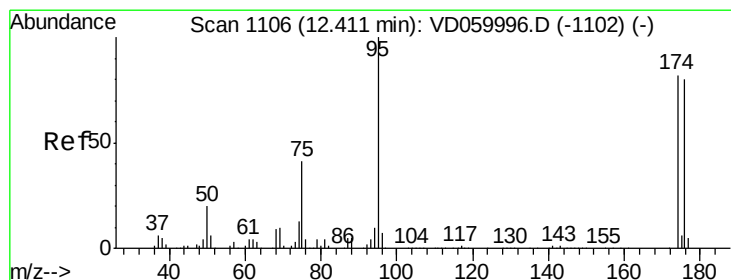
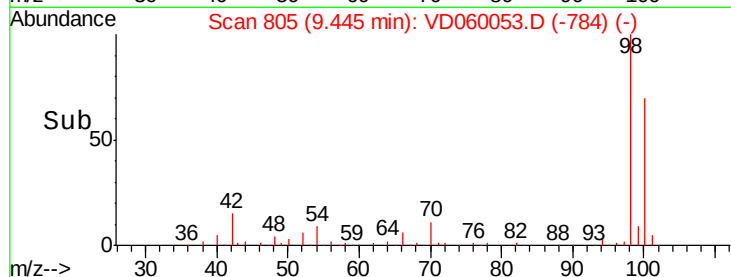
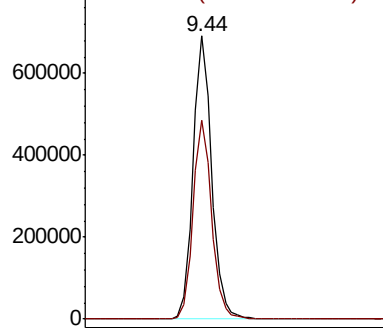
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060053.D
Acq: 20 Sep 2018 17:40

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-N-NW-055

Tot Ion: 98 Resp: 1475871
Ion Ratio Lower Upper
98 100
100 70.2 55.8 83.6

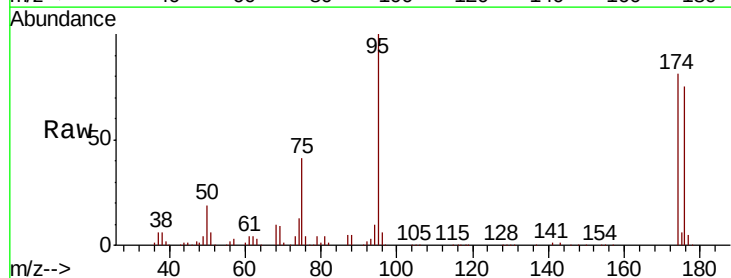


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

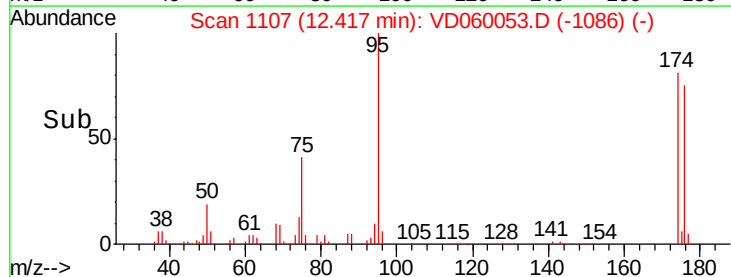
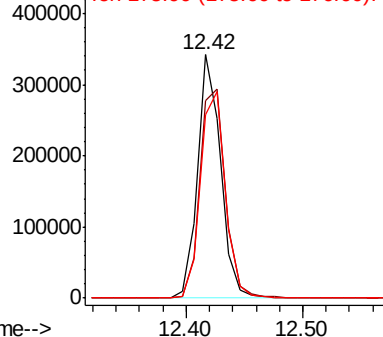


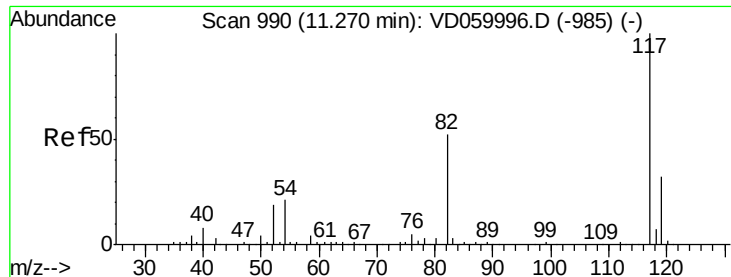
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD060053.D
Acq: 20 Sep 2018 17:40

Tgt Ion: 95 Resp: 466326
Ion Ratio Lower Upper
95 100
174 80.9 0.0 165.0
176 75.4 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

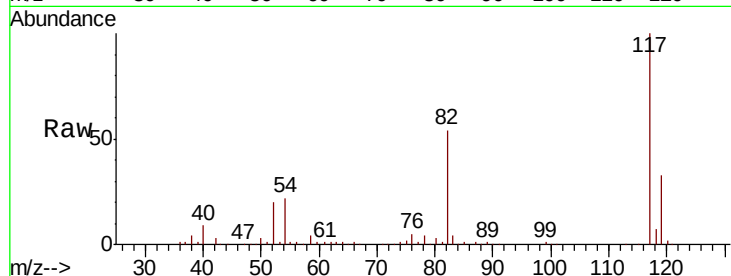




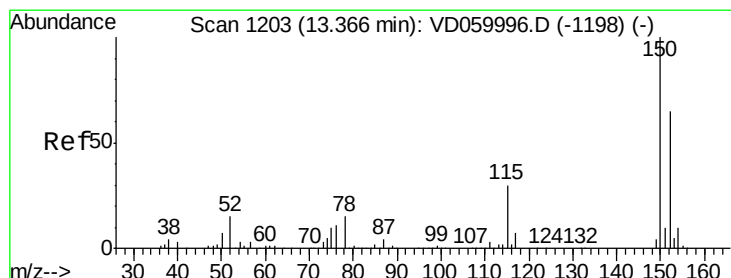
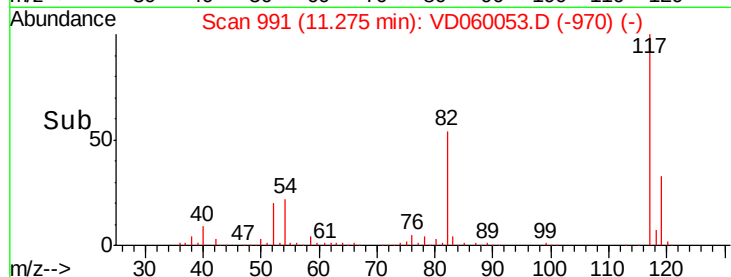
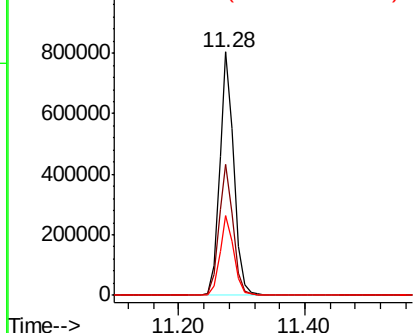
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.28 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VD060053.D
 Acq: 20 Sep 2018 17:40

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-N-NW-055

Tot Ion:117 Resp: 1268431
 Ion Ratio Lower Upper
 117 100
 82 53.6 41.7 62.5
 119 33.0 26.0 39.0

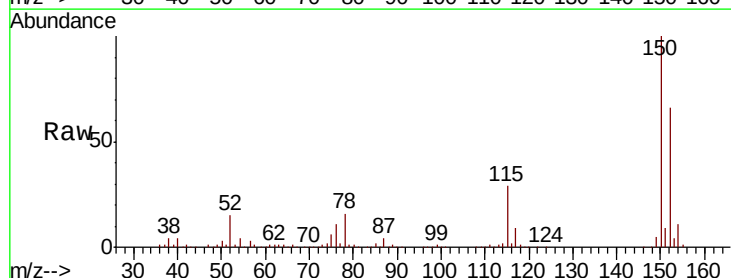


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

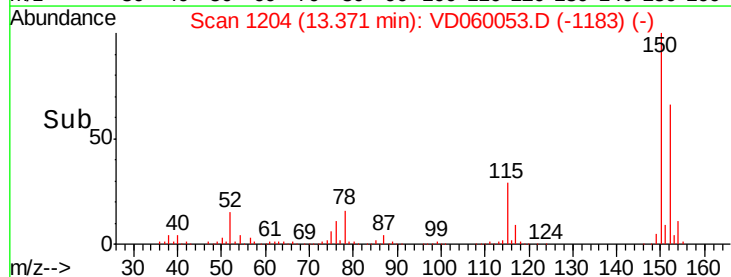
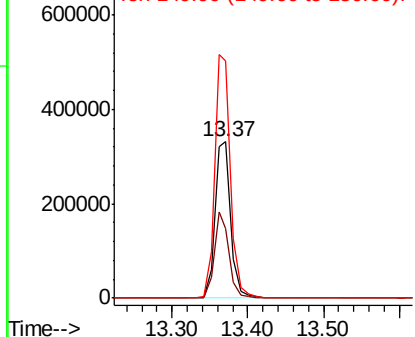


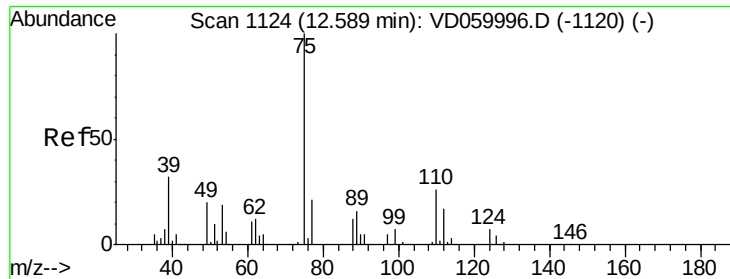
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.37 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: VD060053.D
 Acq: 20 Sep 2018 17:40

Tgt Ion:152 Resp: 489289
 Ion Ratio Lower Upper
 152 100
 115 44.8 24.6 73.8
 150 152.0 0.0 313.4



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

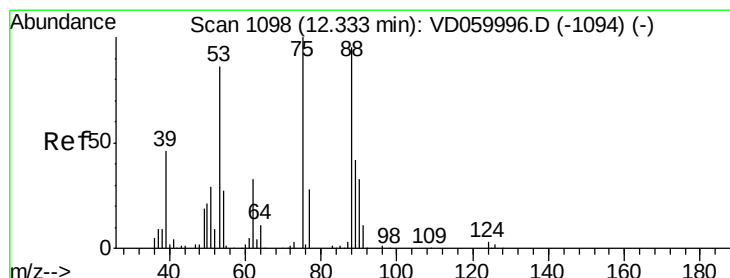
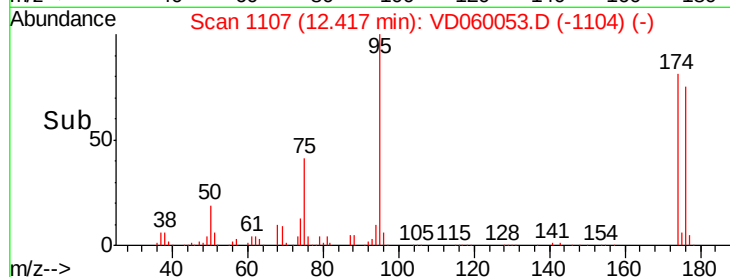
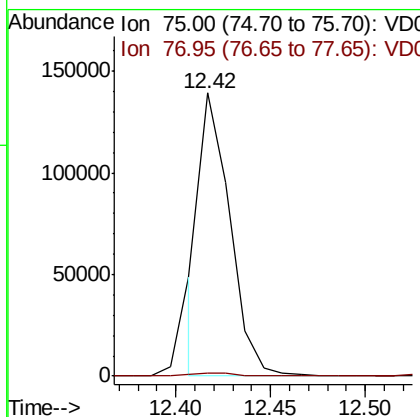
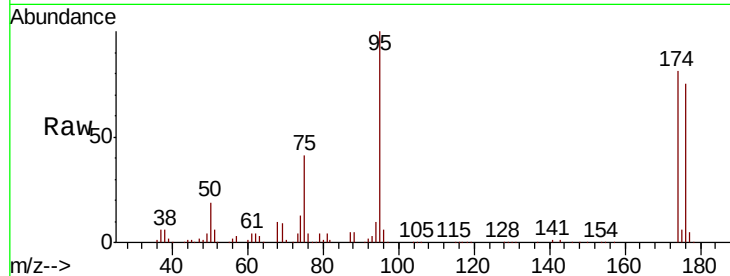




#76
 1,2,3-Trichloropropane
 Concen: 20.87 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.17 min
 Lab File: VD060053.D
 Acq: 20 Sep 2018 17:40

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-N-NW-055

Tot Ion: 75 Resp: 155956
 Ion Ratio Lower Upper
 75 100
 77 1.2 16.4 49.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.17 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.08 min
 Lab File: VD060053.D
 Acq: 20 Sep 2018 17:40

Tgt Ion: 75 Resp: 187610
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.4 102.6#
 89 0.0 33.8 50.6#

