

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041719\
 Data File : VD061859.D
 Acq On : 17 Apr 2019 18:14
 Operator : VA/AP
 Sample : K2389-05RE
 Misc : 5.09g/5ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STONE-4RE

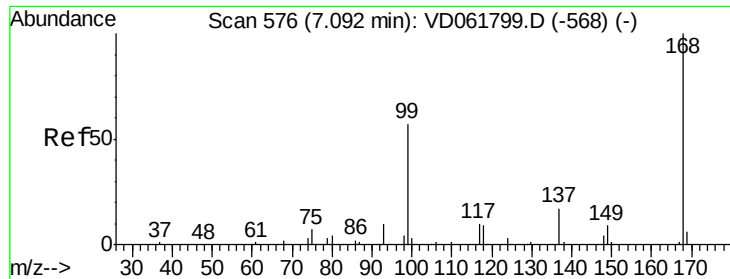
Quant Time: Apr 17 18:39:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	126964	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	8.21	114	218969	50.00	ug/l	-0.05
63) Chlorobenzene-d5	12.36	117	201678	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.51	152	118182	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	97776	91.89	ug/l	-0.05
Spiked Amount				50.000		
			Recovery	=	183.78%	
35) Dibromofluoromethane	6.91	113	107148	64.77	ug/l	-0.06
Spiked Amount				50.000		
			Recovery	=	129.54%	
50) Toluene-d8	10.39	98	204658	52.21	ug/l	-0.05
Spiked Amount				50.000		
			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	13.54	95	111012	69.87	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	139.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	187	Below Cal	#	12
16) Acetone	3.20	43	2077	7.920	ug/l #	50
20) Methylene Chloride	3.80	84	19317	11.265	ug/l	89
31) Cyclohexane	7.02	56	2085	1.294	ug/l #	11
36) 1,1-Dichloropropene	7.03	75	8913	4.981	ug/l #	40
38) Carbon Tetrachloride	7.03	117	11375	5.034	ug/l #	12
51) 4-Methyl-2-Pentanone	10.39	43	727	1.103	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	42761	82.677	ug/l #	16

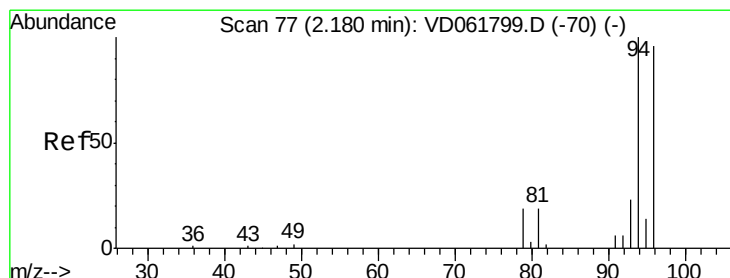
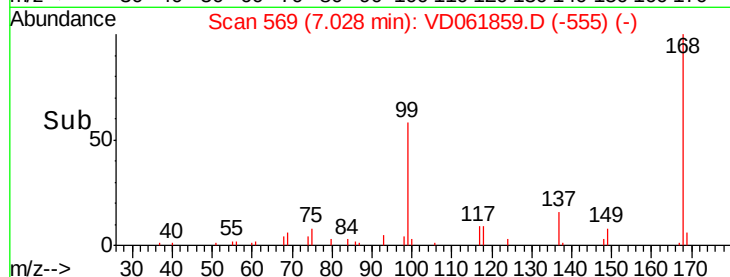
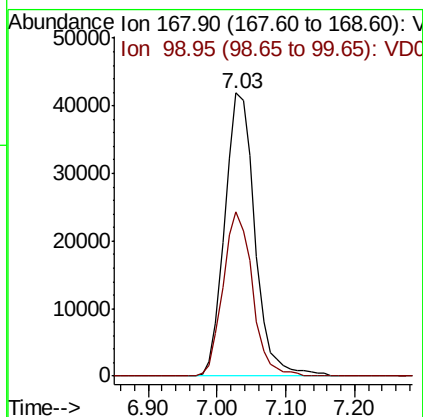
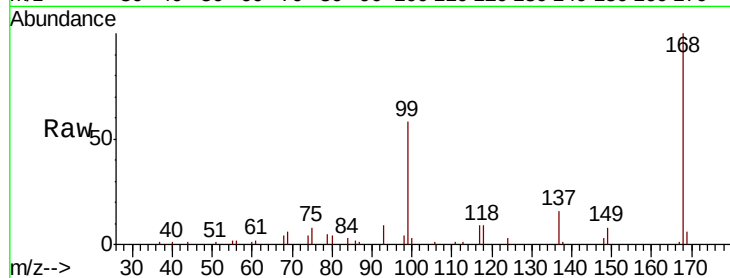
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.06 min
Lab File: VD061859.D
Acq: 17 Apr 2019 18:14

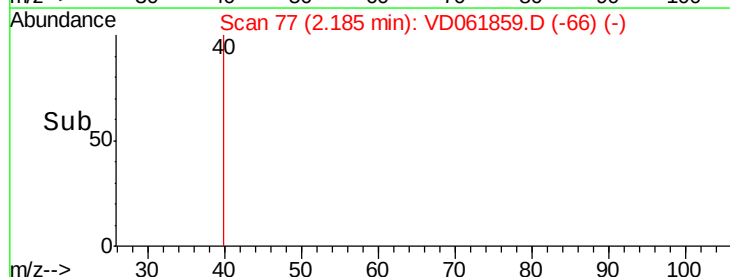
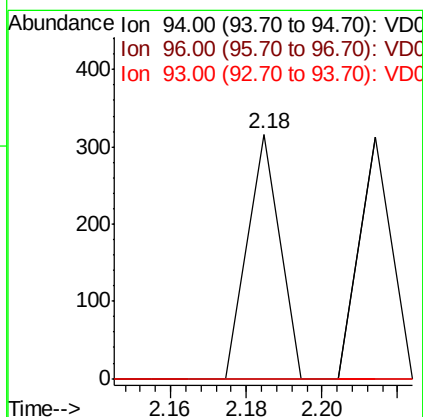
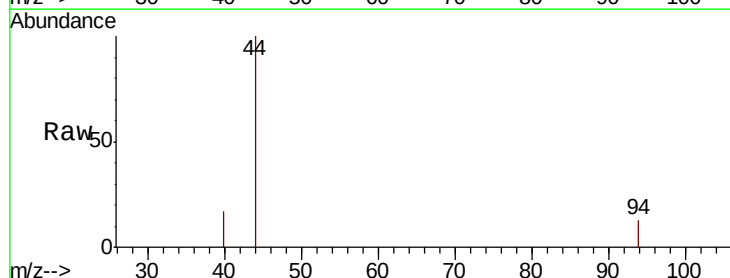
Instrument :
MSVOA_D
ClientSampleId :
STONE-4RE

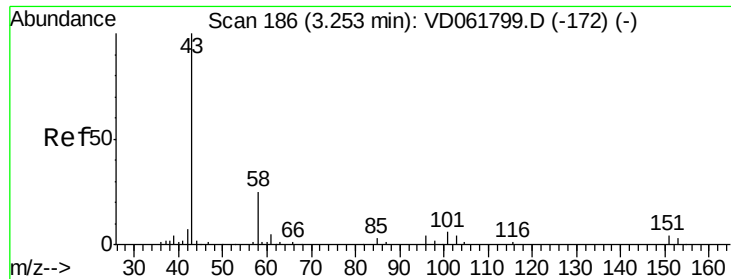
Tgt Ion: 168 Resp: 126964
Ion Ratio Lower Upper
168 100
99 58.3 46.5 69.7



#5
Bromomethane
Concen: Below Cal
RT: 2.18 min Scan# 77
Delta R.T. 0.01 min
Lab File: VD061859.D
Acq: 17 Apr 2019 18:14

Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#
93 0.0 18.5 27.7#





#16

Acetone

Concen: 7.920 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.05 min

Lab File: VD061859.D

Acq: 17 Apr 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

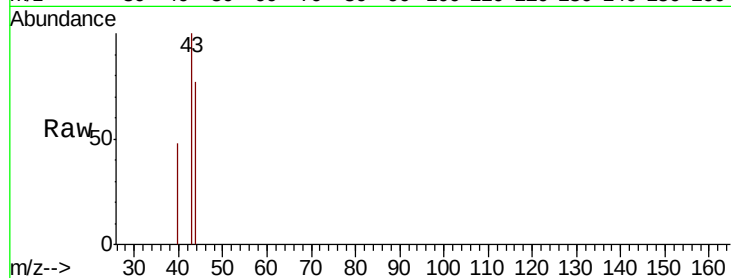
STONE-4RE

Tgt Ion: 43 Resp: 2077

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.20

800

600

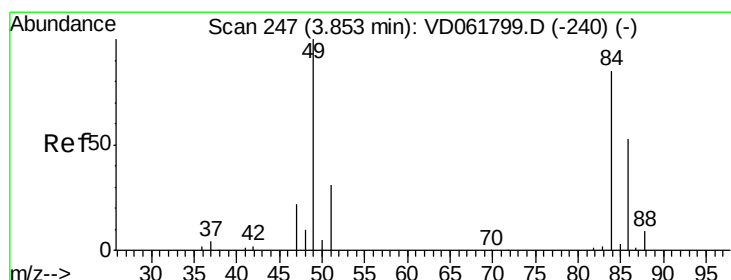
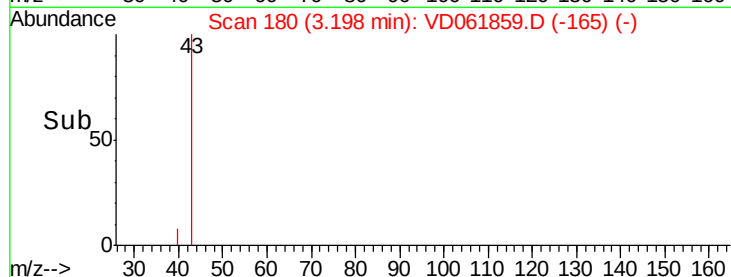
400

200

0

3.15 3.20 3.25

Time-->



#20

Methylene Chloride

Concen: 11.265 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.05 min

Lab File: VD061859.D

Acq: 17 Apr 2019 18:14

Tgt Ion: 84 Resp: 19317

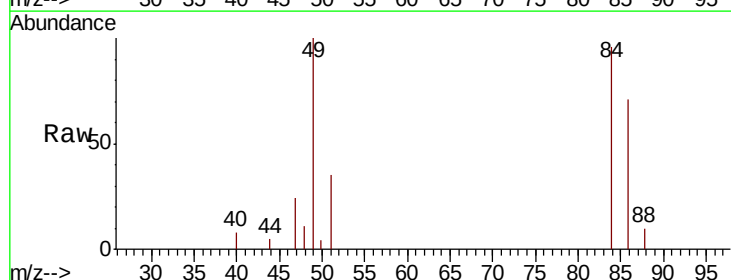
Ion Ratio Lower Upper

84 100

49 104.7 94.0 141.0

51 36.4 29.0 43.4

86 74.2 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

12000

10000

8000

6000

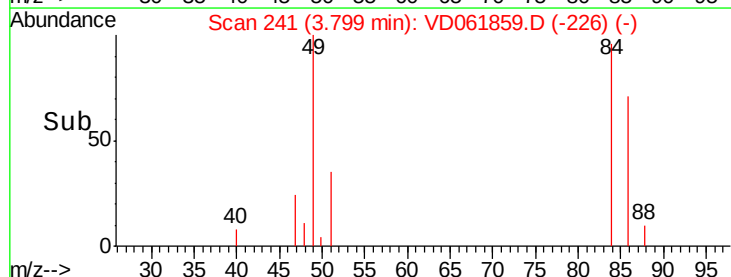
4000

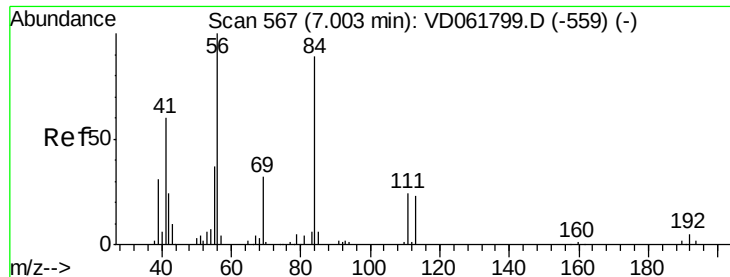
2000

0

3.70 3.80 3.90

Time-->

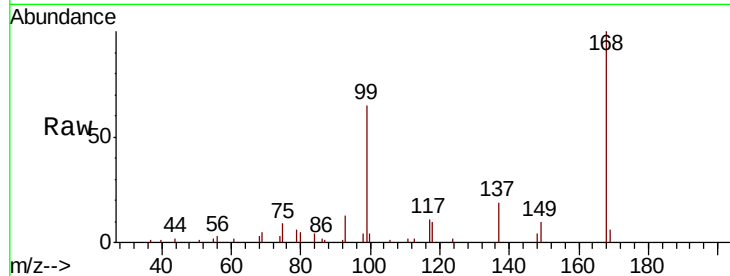




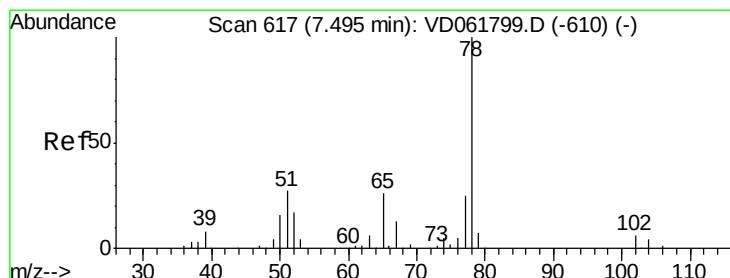
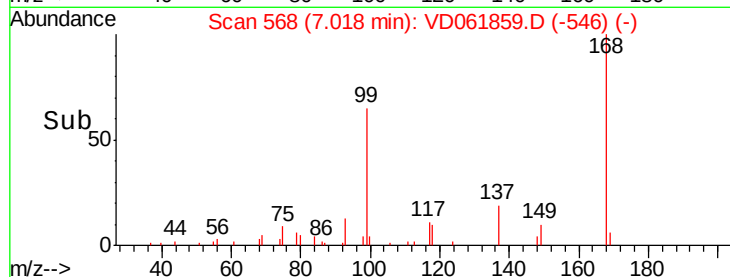
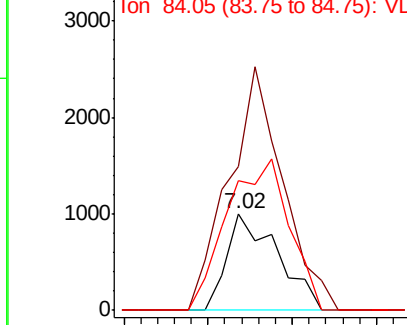
#31
Cyclohexane
Concen: 1.294 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD061859.D
Acq: 17 Apr 2019 18:14

Instrument :
MSVOA_D
ClientSampleId :
STONE-4RE

Tgt Ion: 56 Resp: 2085
Ion Ratio Lower Upper
56 100
69 148.0 25.8 38.6#
84 134.0 72.2 108.4#

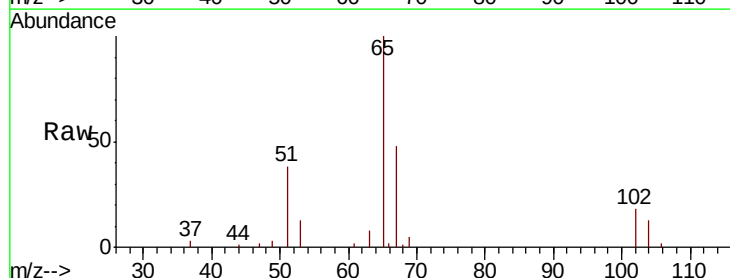


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

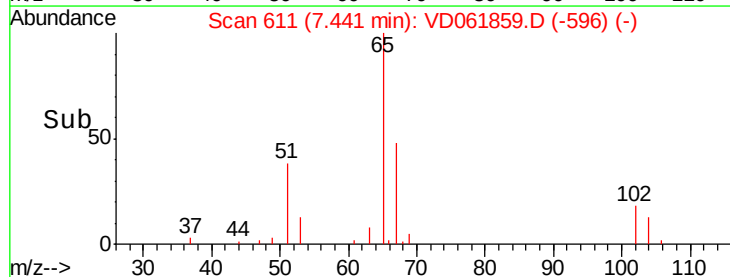
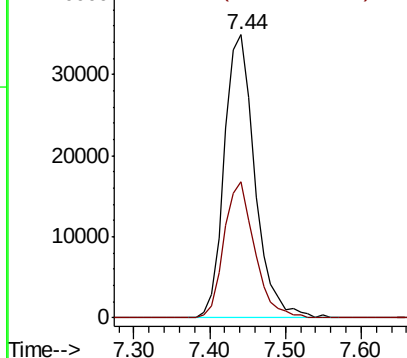


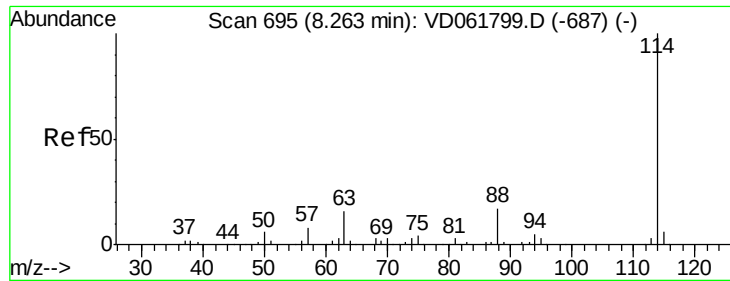
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.05 min
Lab File: VD061859.D
Acq: 17 Apr 2019 18:14

Tgt Ion: 65 Resp: 97776
Ion Ratio Lower Upper
65 100
67 48.3 0.0 98.0



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.05 min

Lab File: VD061859.D

Acq: 17 Apr 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

STONE-4RE

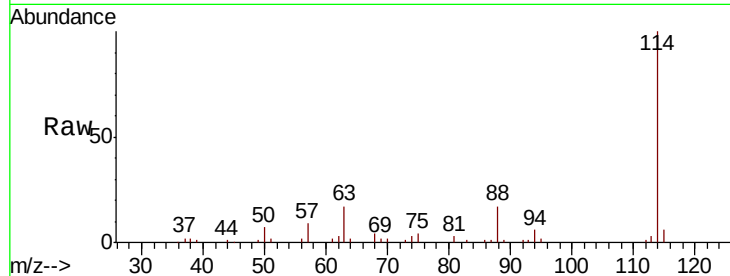
Tgt Ion:114 Resp: 218969

Ion Ratio Lower Upper

114 100

63 16.7 0.0 32.4

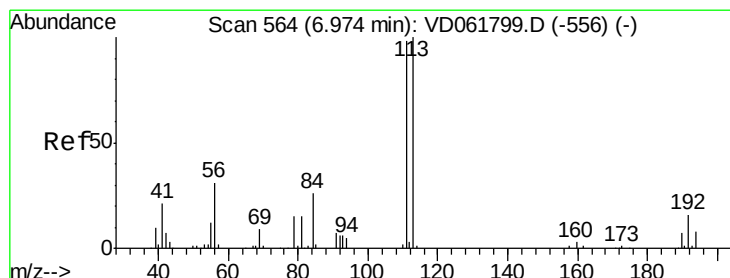
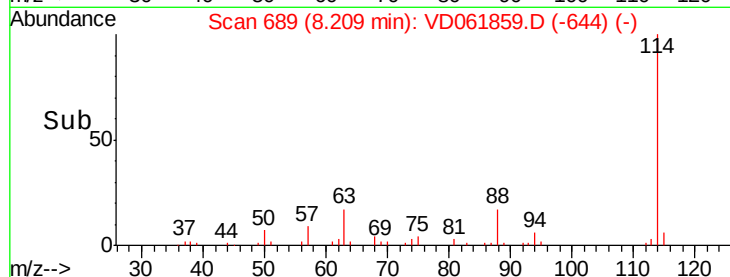
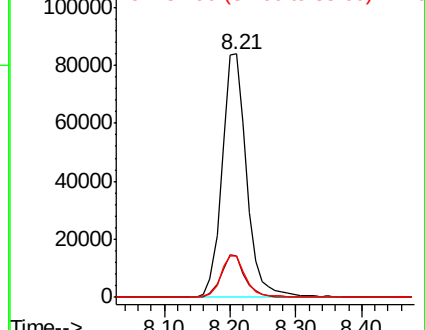
88 17.1 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.06 min

Lab File: VD061859.D

Acq: 17 Apr 2019 18:14

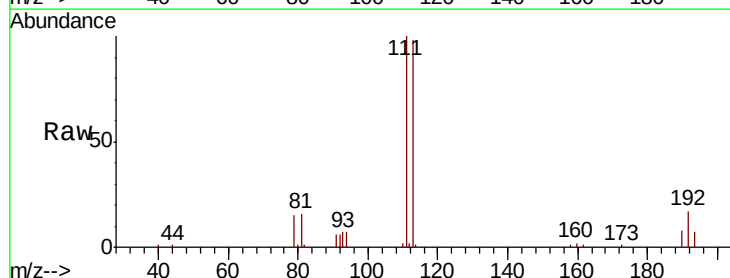
Tgt Ion:113 Resp: 107148

Ion Ratio Lower Upper

113 100

111 102.2 78.5 117.7

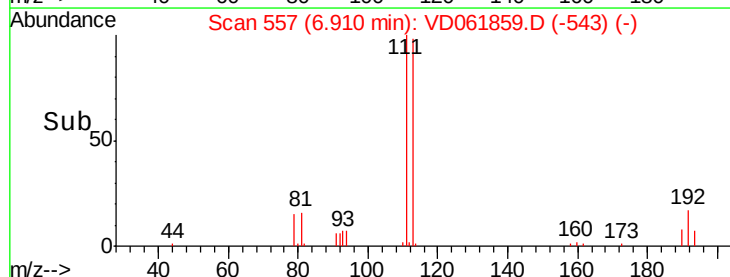
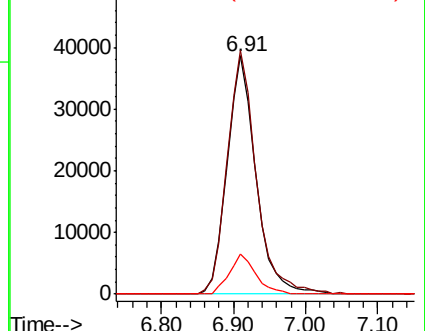
192 17.0 13.0 19.4

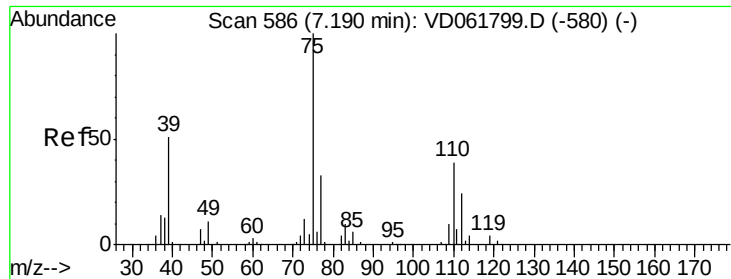


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

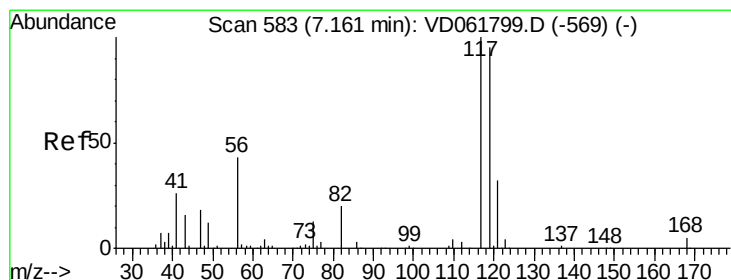
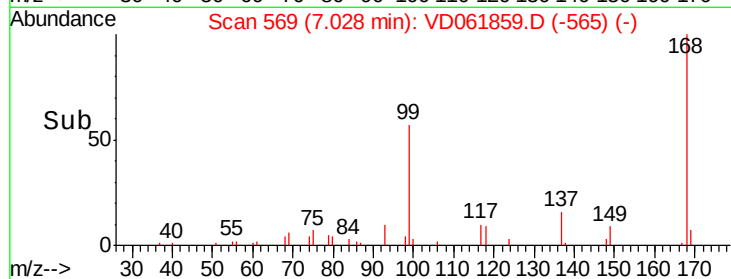
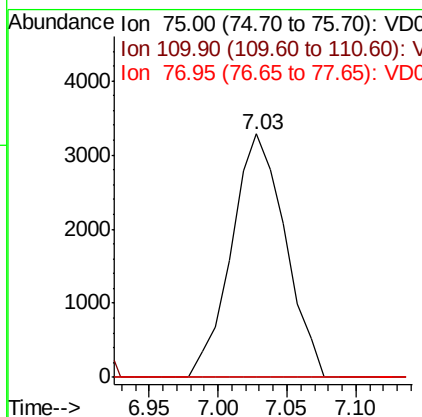
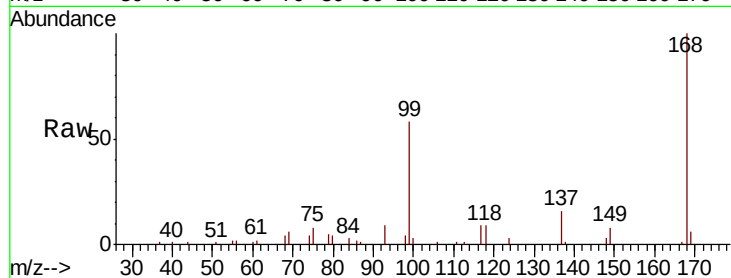




#36
 1,1-Dichloropropene
 Concen: 4.981 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.16 min
 Lab File: VD061859.D
 Acq: 17 Apr 2019 18:14

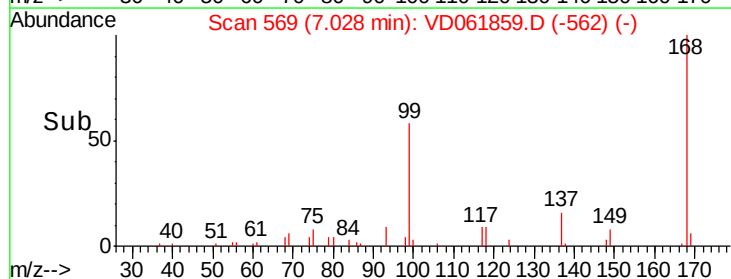
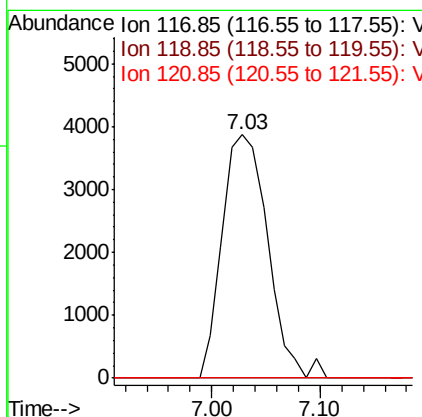
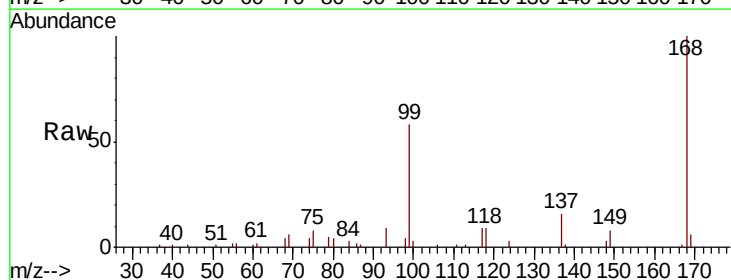
Instrument :
 MSVOA_D
 ClientSampleId :
 STONE-4RE

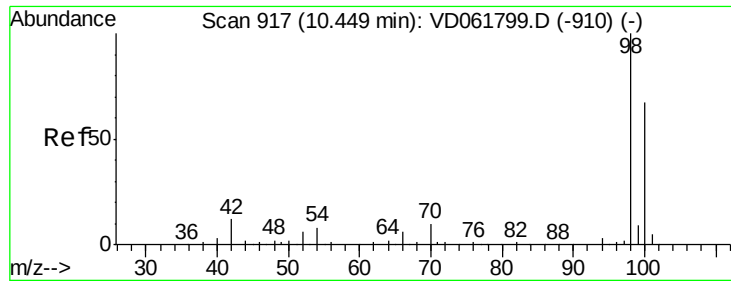
Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.034 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.13 min
 Lab File: VD061859.D
 Acq: 17 Apr 2019 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.8#
121	0.0	25.9	38.9#

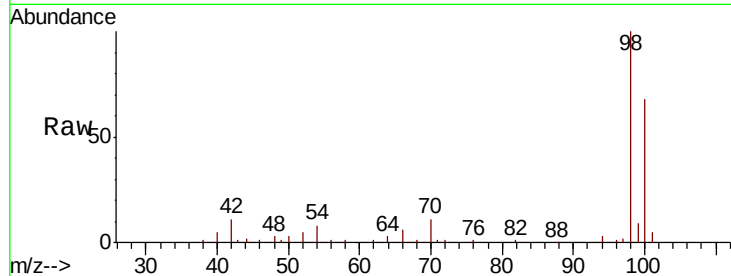




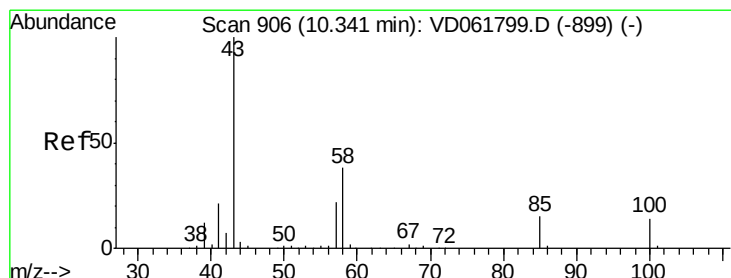
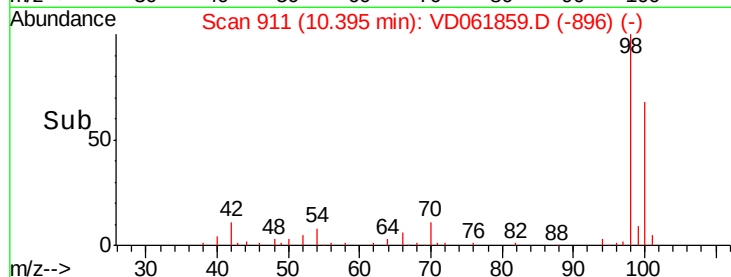
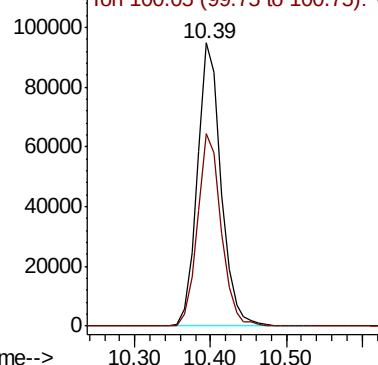
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.05 min
Lab File: VD061859.D
Acq: 17 Apr 2019 18:14

Instrument :
MSVOA_D
ClientSampleId :
STONE-4RE

Tgt Ion: 98 Resp: 204658
Ion Ratio Lower Upper
98 100
100 68.1 53.8 80.8

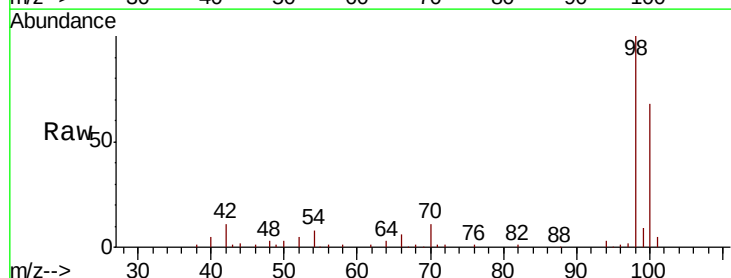


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

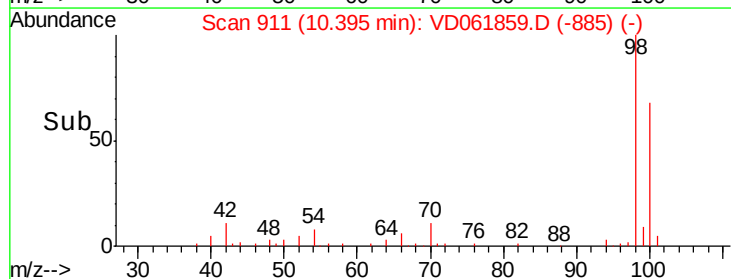
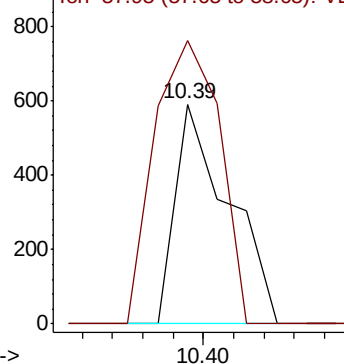


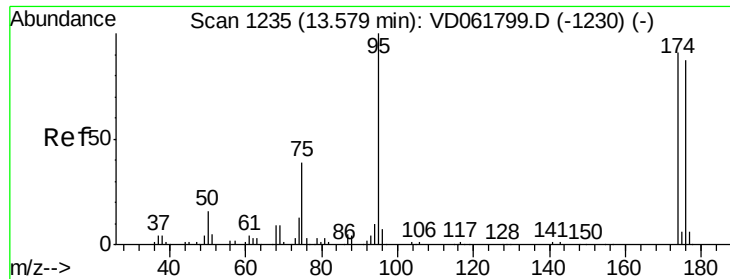
#51
4-Methyl-2-Pentanone
Concen: 1.103 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.05 min
Lab File: VD061859.D
Acq: 17 Apr 2019 18:14

Tgt Ion: 43 Resp: 727
Ion Ratio Lower Upper
43 100
58 128.9 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

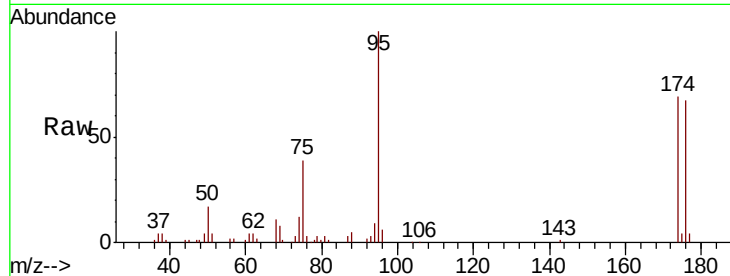




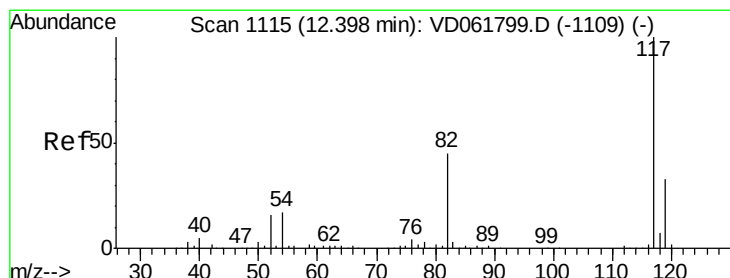
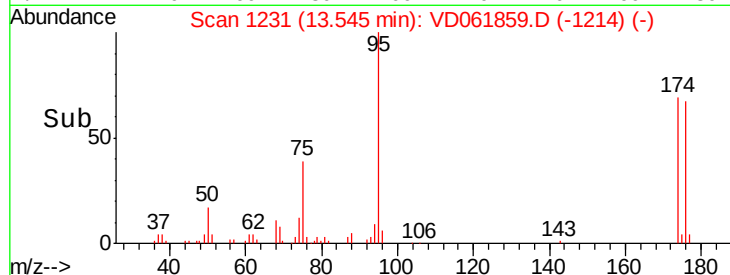
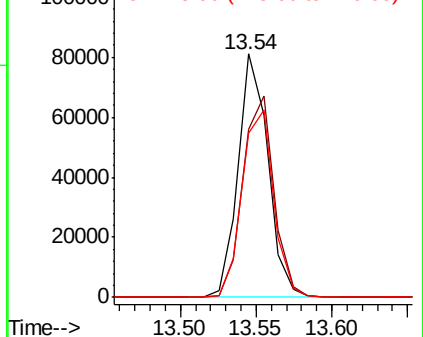
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VD061859.D
Acq: 17 Apr 2019 18:14

Instrument :
MSVOA_D
ClientSampleId :
STONE-4RE

Tgt Ion: 95 Resp: 111012
Ion Ratio Lower Upper
95 100
174 69.0 0.0 181.8
176 67.3 0.0 174.4

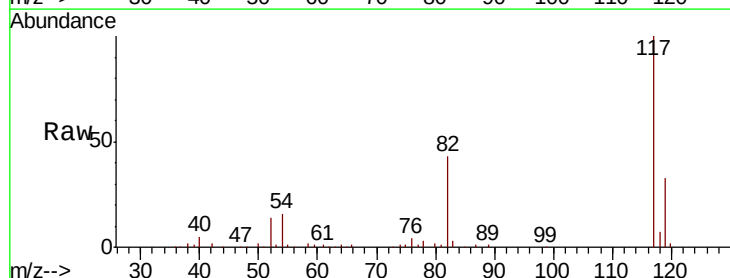


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

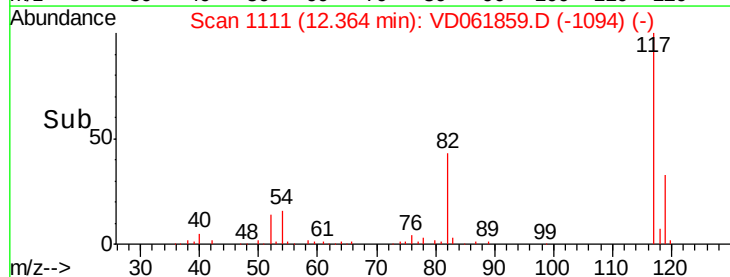
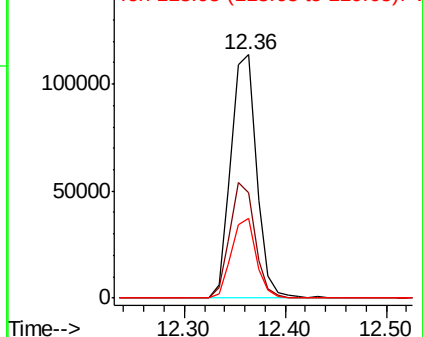


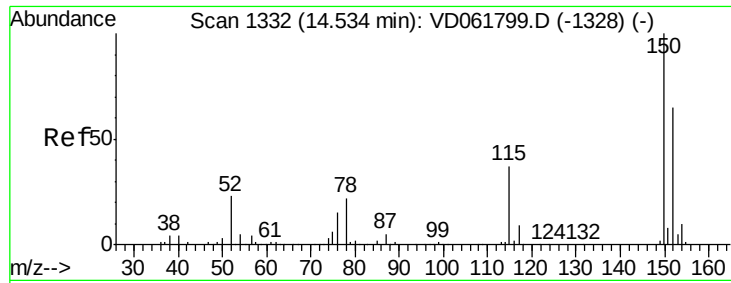
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.03 min
Lab File: VD061859.D
Acq: 17 Apr 2019 18:14

Tgt Ion: 117 Resp: 201678
Ion Ratio Lower Upper
117 100
82 43.2 36.2 54.2
119 32.8 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

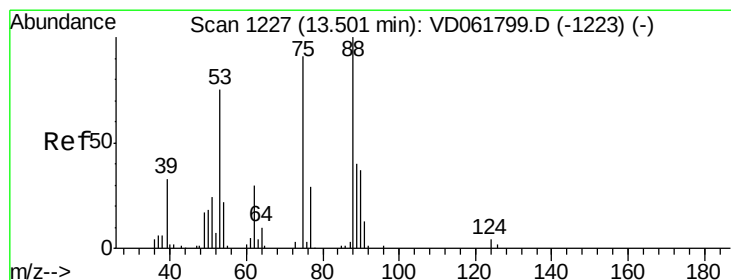
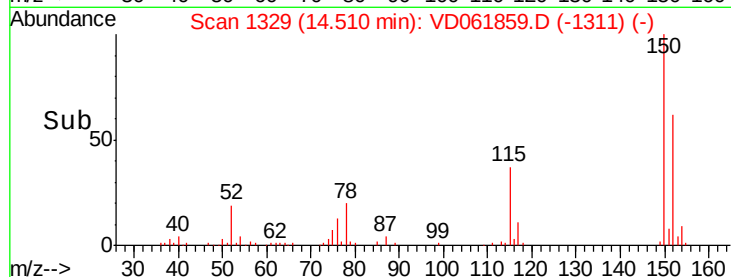
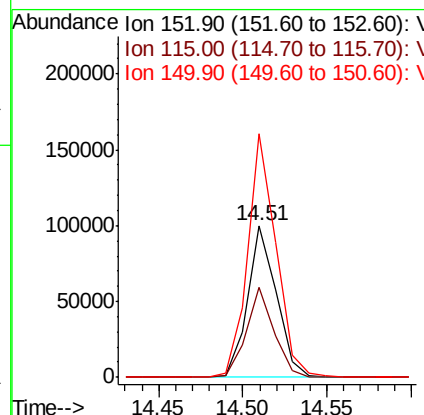
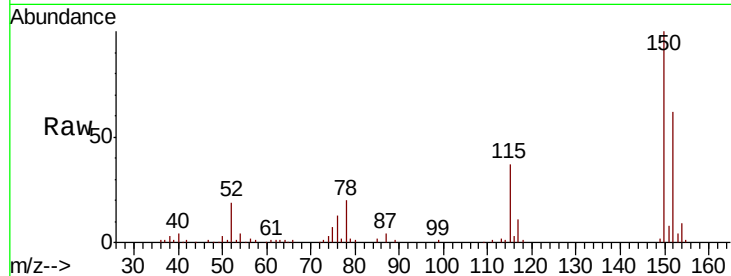




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VD061859.D
 Acq: 17 Apr 2019 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 STONE-4RE

Tgt Ion: 152 Resp: 118182
 Ion Ratio Lower Upper
 152 100
 115 59.1 30.9 92.7
 150 160.2 0.0 314.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.677 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. 0.04 min
 Lab File: VD061859.D
 Acq: 17 Apr 2019 18:14

Tgt Ion: 75 Resp: 42761
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

