

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070819\
 Data File : VD063038.D
 Acq On : 8 Jul 2019 16:04
 Operator : VA/AP
 Sample : K3687-03
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STONES

Quant Time: Jul 09 05:11:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	692160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1065092	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	941585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	506510	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	398845	53.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.02%	
35) Dibromofluoromethane	6.93	113	386931	43.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.16%	
50) Toluene-d8	10.41	98	757646	38.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.52%	
62) 4-Bromofluorobenzene	13.55	95	365862	41.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.32%	

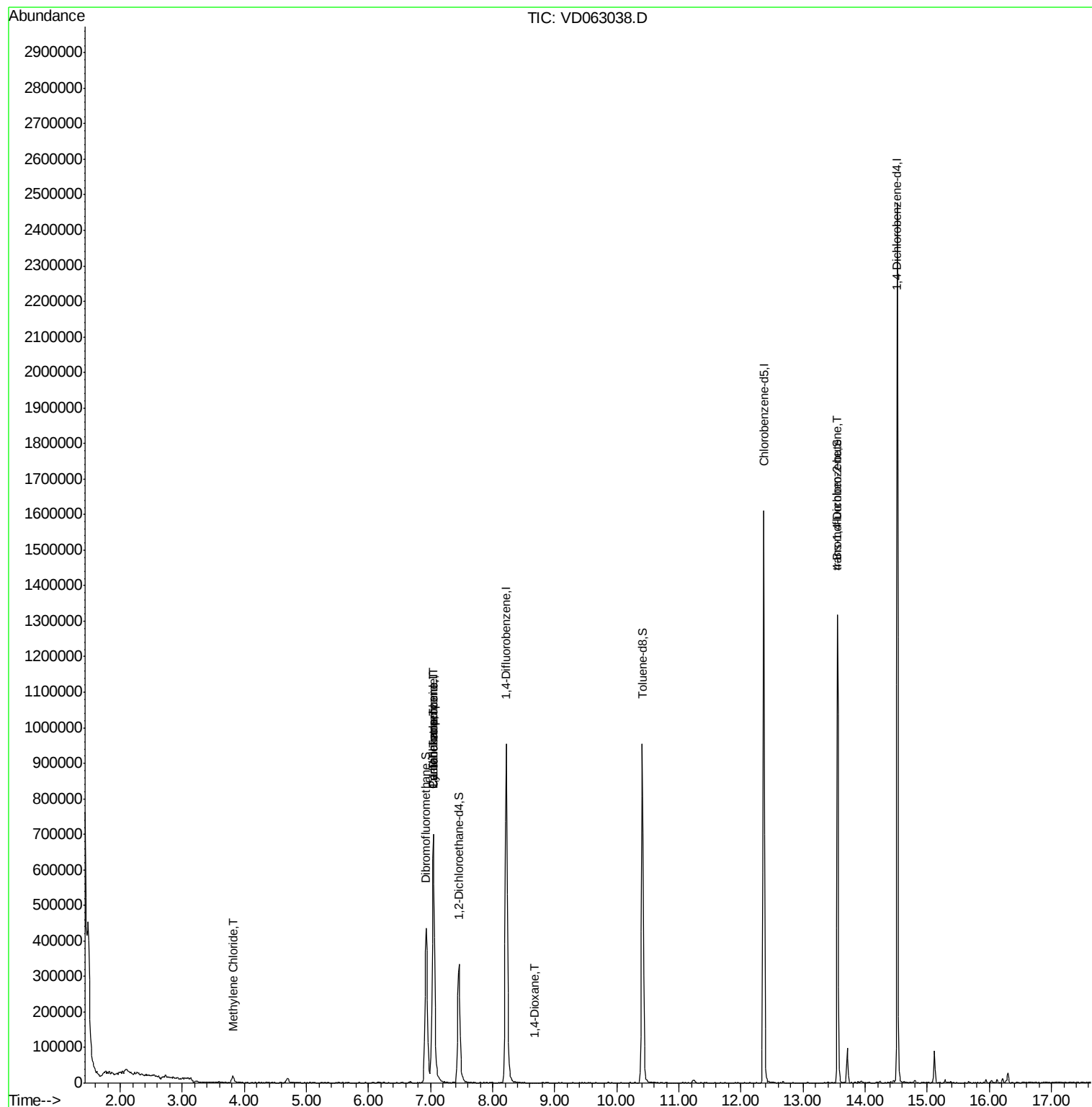
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	6684	Below Cal	#	85
20) Methylene Chloride	3.82	84	11566	2.016	ug/l #	95
31) Cyclohexane	7.05	56	14675	2.077	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	52854	5.242	ug/l #	53
37) Ethyl Acetate	6.24	43	519	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	68145	4.494	ug/l #	16
49) 1,4-Dioxane	8.68	88	190	6.080	ug/l #	29
81) trans-1,4-Dichloro-2-buten	13.55	75	167025	108.990	ug/l #	2

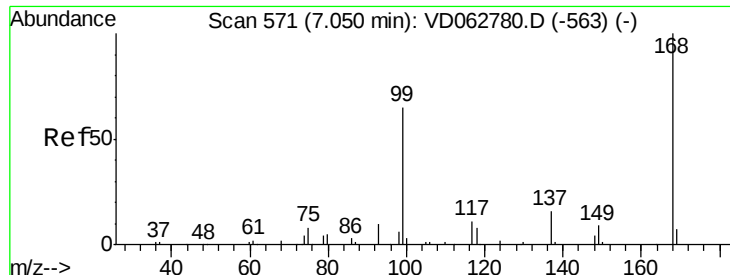
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 09 05:11:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD063038.D

Acq: 8 Jul 2019 16:04

Instrument :

MSVOA_D

ClientSampleId :

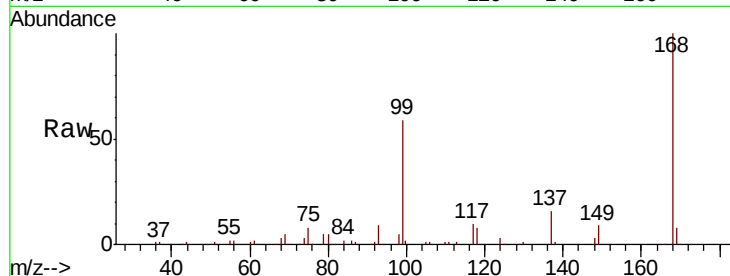
STONES

Tot Ion:168 Resp: 692160

Ion Ratio Lower Upper

168 100

99 58.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

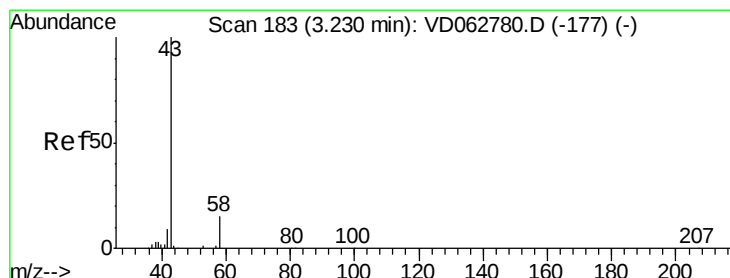
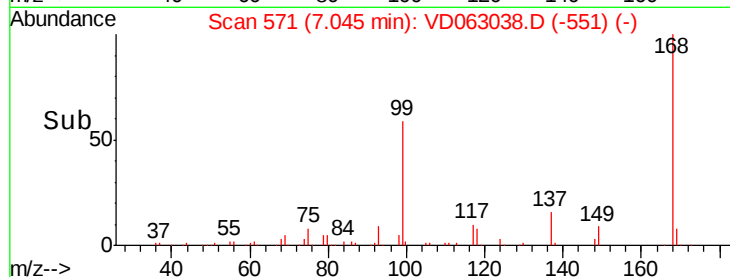
150000

100000

50000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063038.D

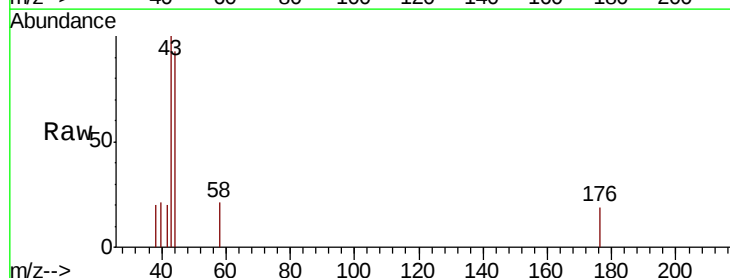
Acq: 8 Jul 2019 16:04

Tgt Ion: 43 Resp: 6684

Ion Ratio Lower Upper

43 100

58 21.1 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

2000

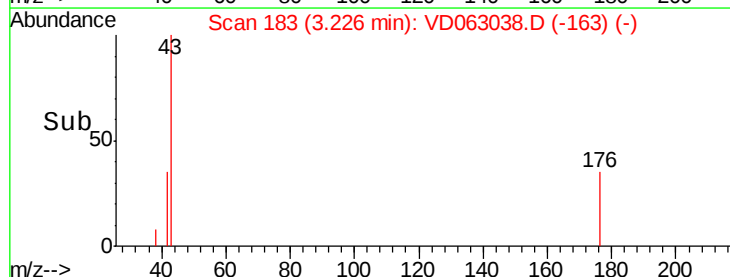
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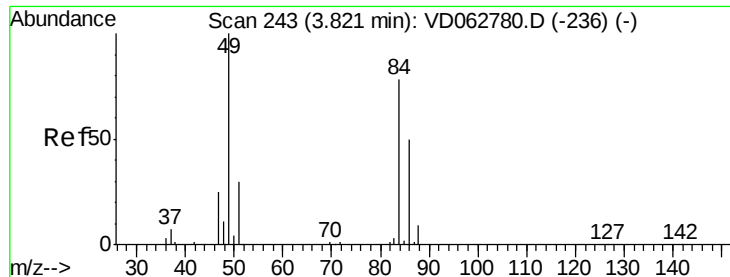
1000

500

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Time-->

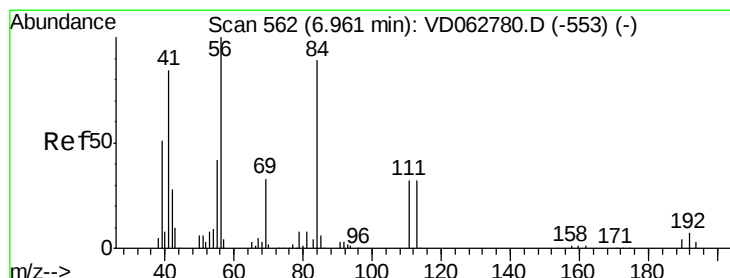
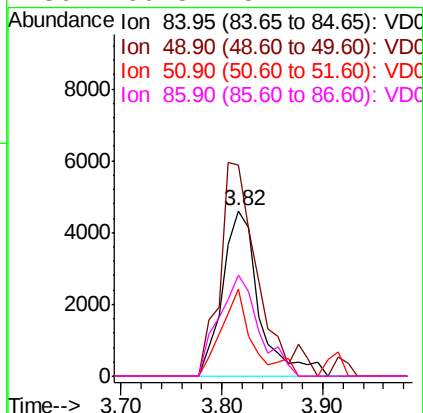
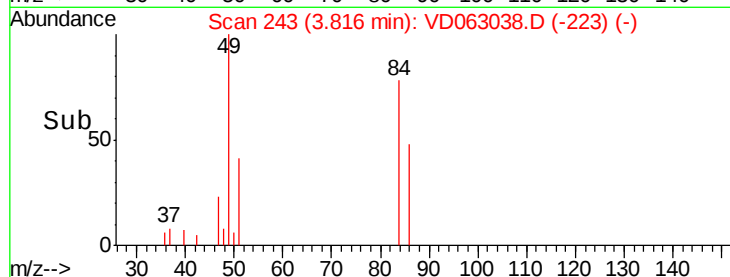
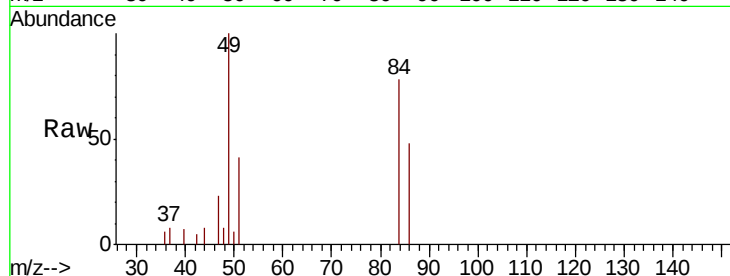




#20
Methylene Chloride
Concen: 2.016 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063038.D
Acq: 8 Jul 2019 16:04

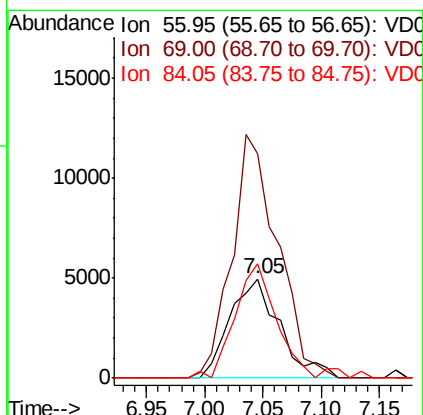
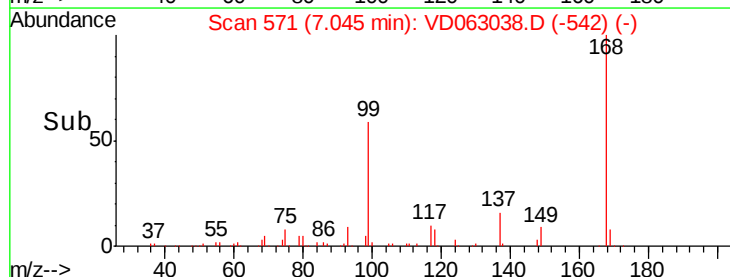
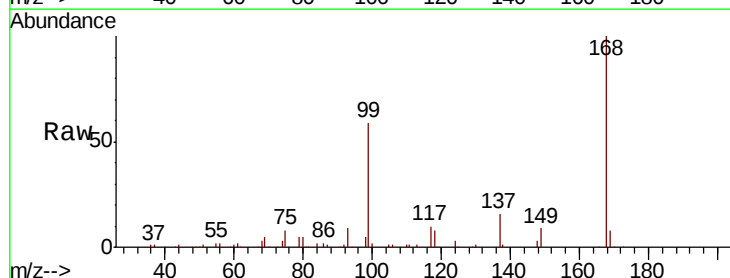
Instrument :
MSVOA_D
ClientSampleId :
STONES

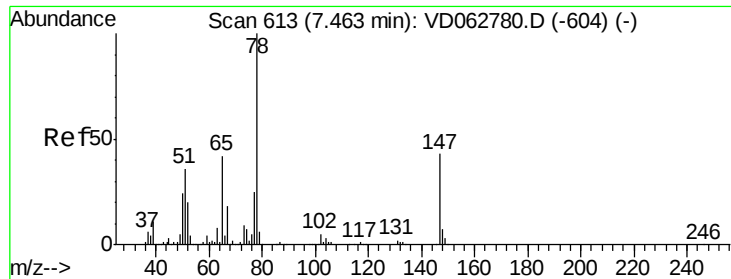
Tot Ion: 84 Resp: 11566
Ion Ratio Lower Upper
84 100
49 127.9 102.9 154.3
51 52.8 31.2 46.8#
86 60.8 51.4 77.2



#31
Cyclohexane
Concen: 2.077 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.08 min
Lab File: VD063038.D
Acq: 8 Jul 2019 16:04

Tgt Ion: 56 Resp: 14675
Ion Ratio Lower Upper
56 100
69 226.4 26.6 39.8#
84 115.4 75.5 113.3#

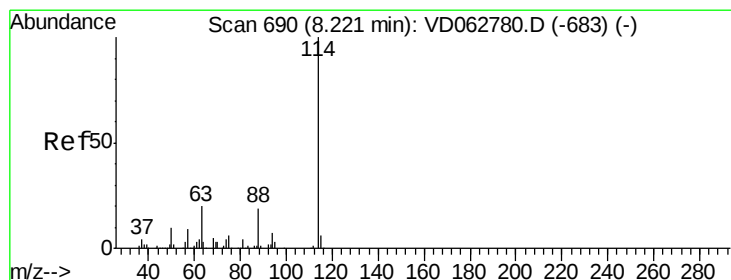
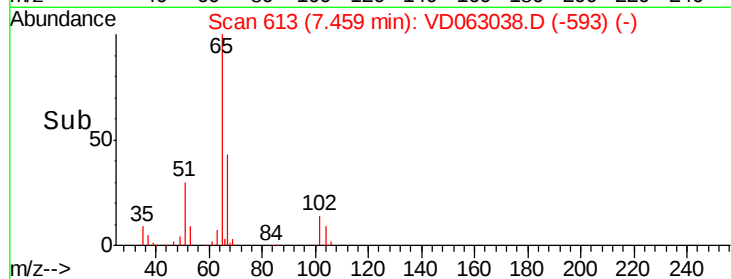
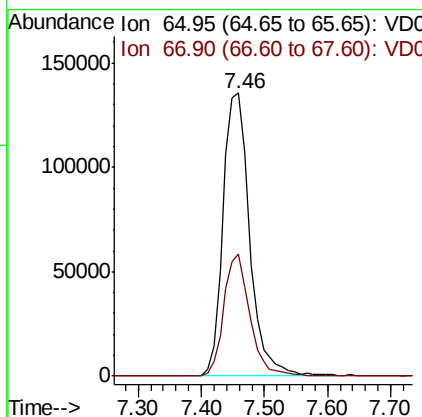
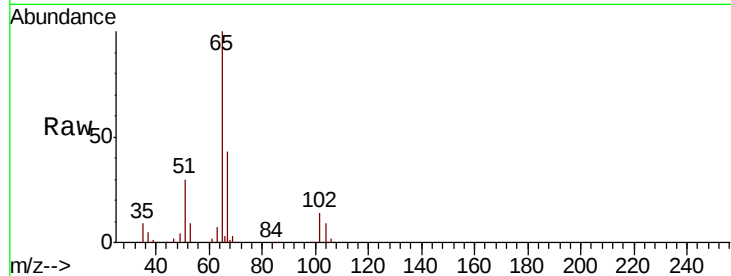




#33
 1,2-Dichloroethane-d4
 Concen: 53.012 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD063038.D
 Acq: 8 Jul 2019 16:04

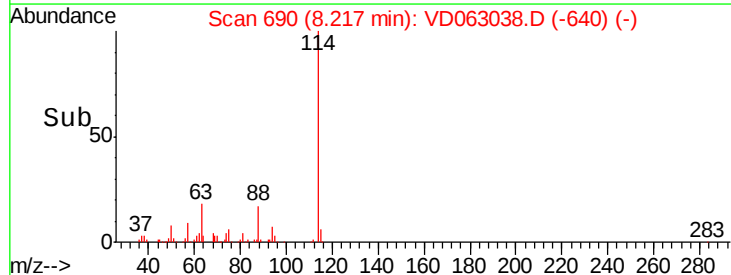
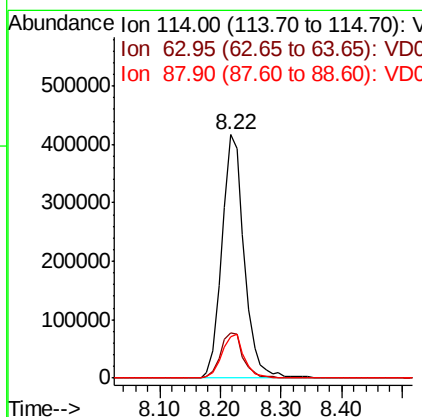
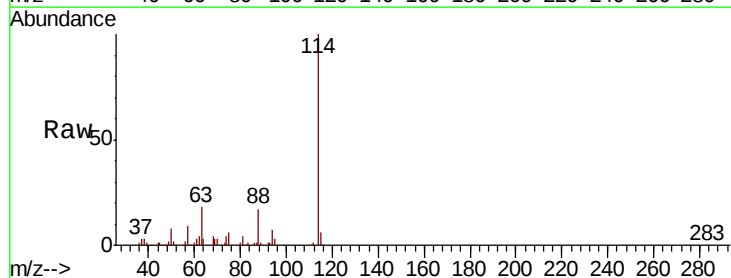
Instrument :
 MSVOA_D
 ClientSampleId :
 STONES

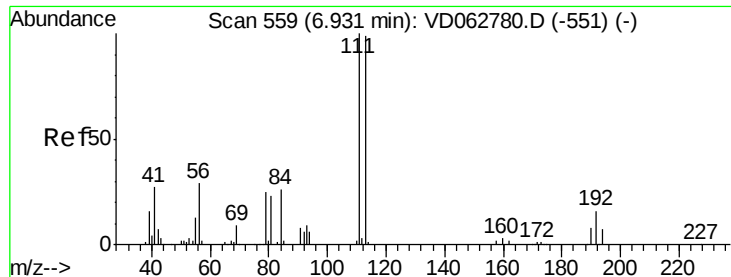
Tot Ion: 65 Resp: 398845
 Ion Ratio Lower Upper
 65 100
 67 42.9 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD063038.D
 Acq: 8 Jul 2019 16:04

Tgt Ion: 114 Resp: 1065092
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 40.0
 88 17.2 0.0 38.8

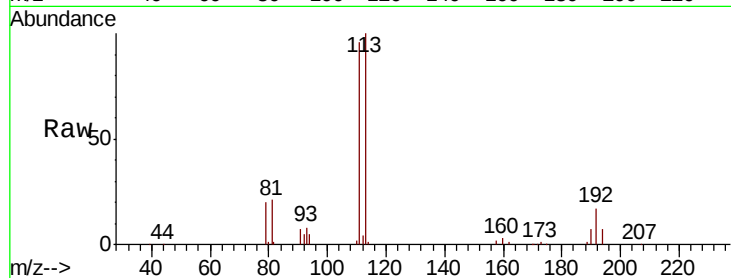




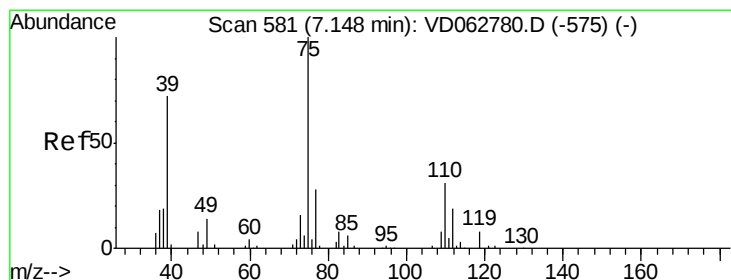
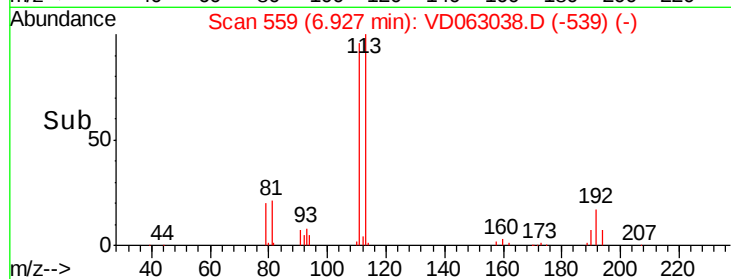
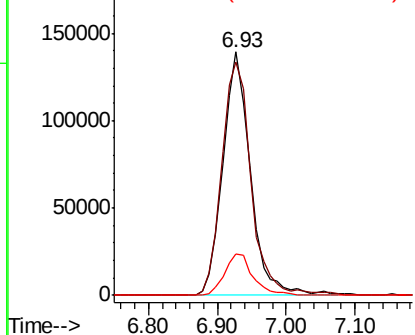
#35
 Dibromofluoromethane
 Concen: 43.084 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD063038.D
 Acq: 8 Jul 2019 16:04

Instrument :
 MSVOA_D
 ClientSampleId :
 STONES

Tot Ion	Ratio	Lower	Upper
113	100		
111	95.8	81.2	121.8
192	17.2	12.9	19.3

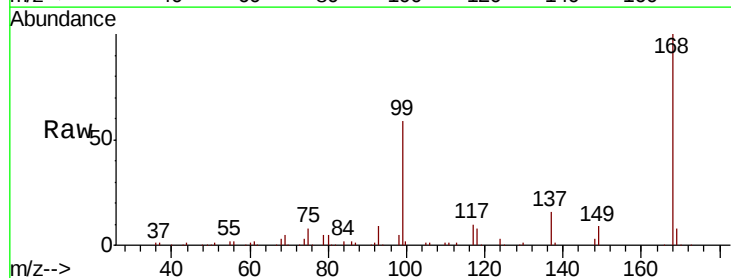


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

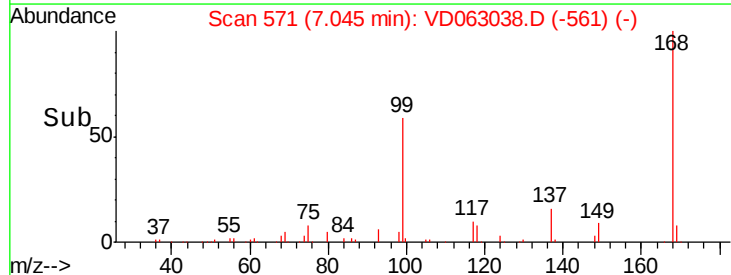
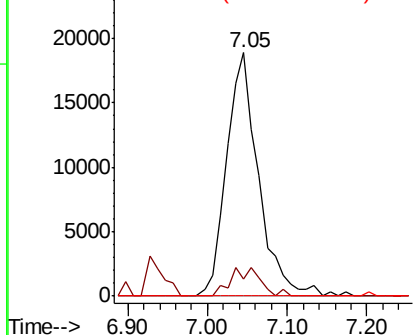


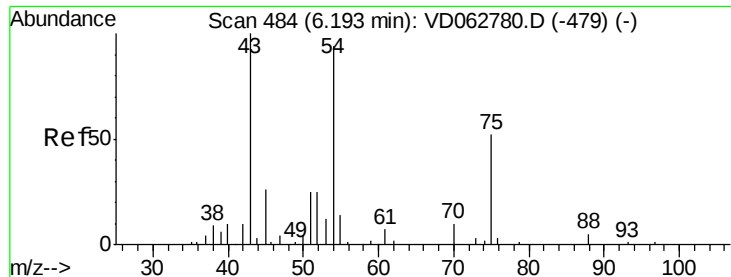
#36
 1,1-Dichloropropene
 Concen: 5.242 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD063038.D
 Acq: 8 Jul 2019 16:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.2	15.0	45.1#
77	0.0	22.2	33.2#



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

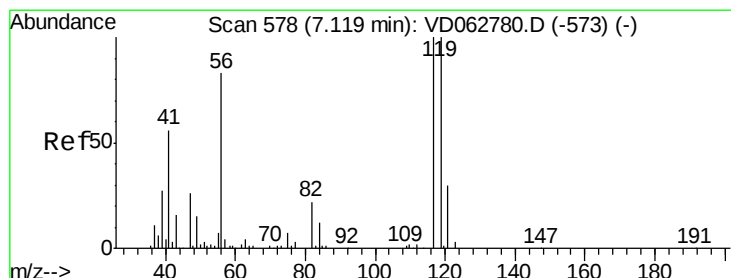
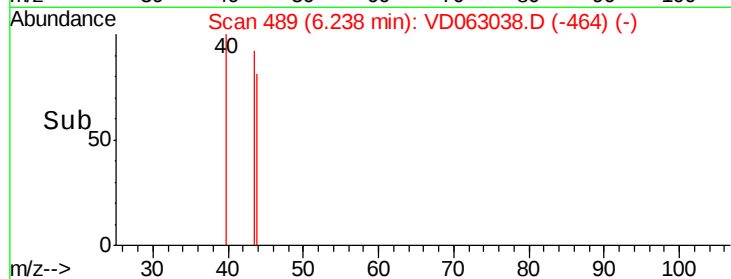
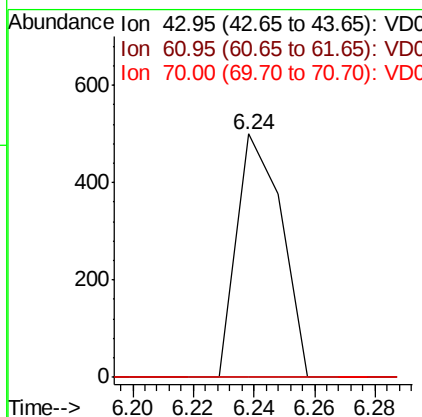
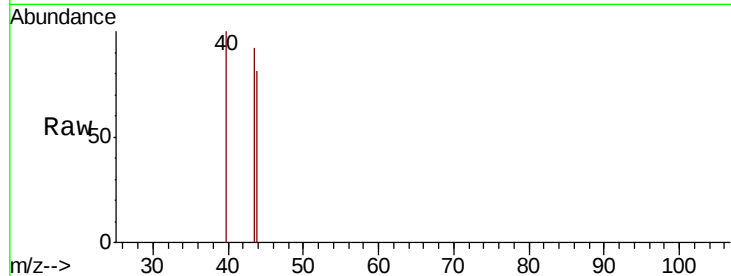




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.24 min Scan# 489
Delta R.T. 0.05 min
Lab File: VD063038.D
Acq: 8 Jul 2019 16:04

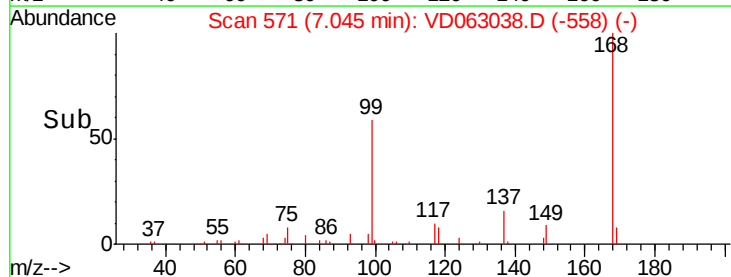
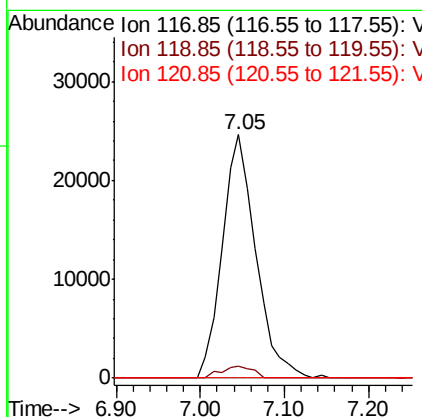
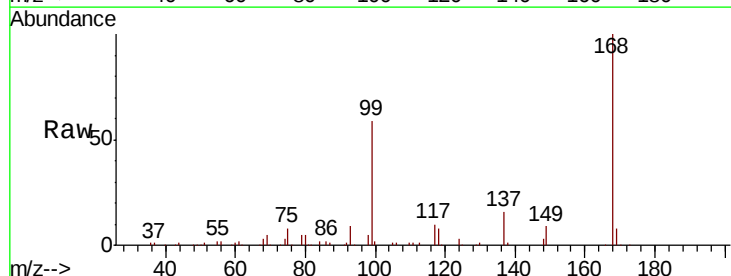
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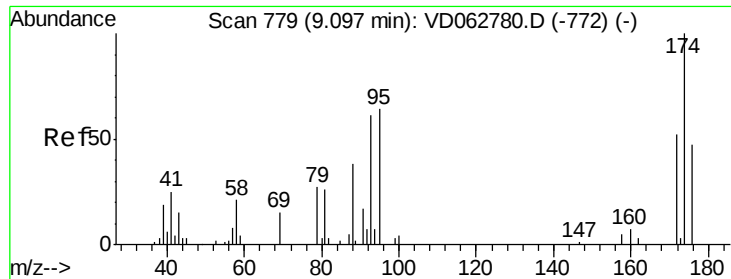
Tot Ion: 43 Resp: 519
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 4.494 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD063038.D
Acq: 8 Jul 2019 16:04

Tgt Ion: 117 Resp: 68145
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.2#
121 0.0 22.3 33.5#

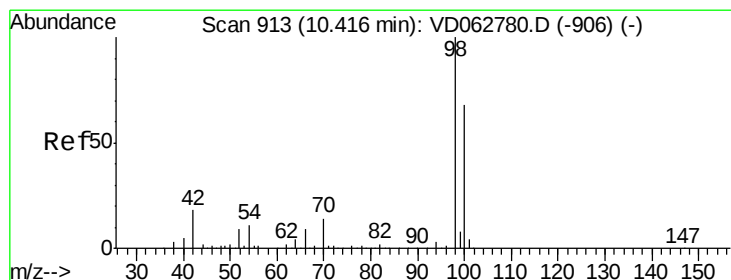
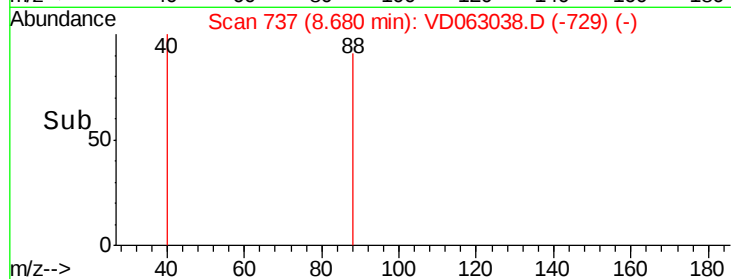
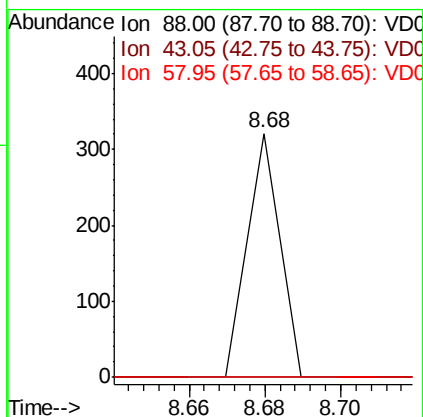
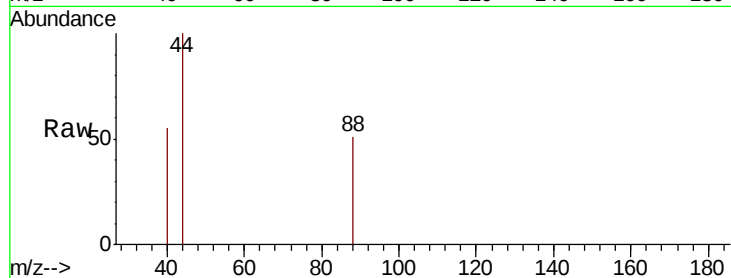




#49
1,4-Dioxane
Concen: 6.080 ug/l
RT: 8.68 min Scan# 737
Delta R.T. -0.42 min
Lab File: VD063038.D
Acq: 8 Jul 2019 16:04

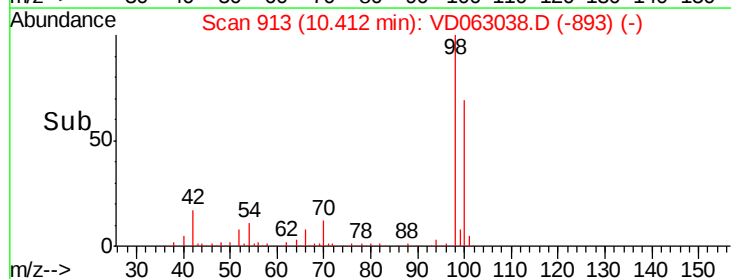
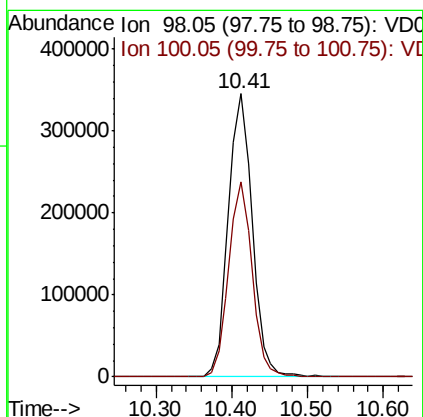
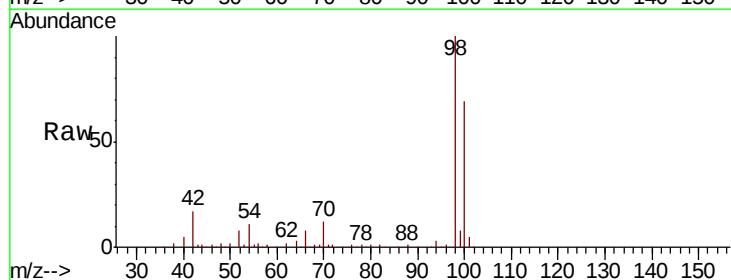
Instrument :
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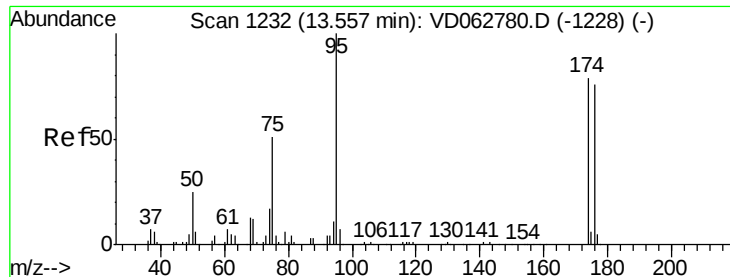
Tot Ion: 88 Resp: 190
Ion Ratio Lower Upper
88 100
43 0.0 32.1 48.1#
58 0.0 44.1 66.1#



#50
Toluene-d8
Concen: 38.761 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063038.D
Acq: 8 Jul 2019 16:04

Tgt Ion: 98 Resp: 757646
Ion Ratio Lower Upper
98 100
100 68.8 54.7 82.1





#62

4-Bromofluorobenzene

Concen: 41.164 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063038.D

Acq: 8 Jul 2019 16:04

Instrument :

MSVOA_D

ClientSampleId :

STONES

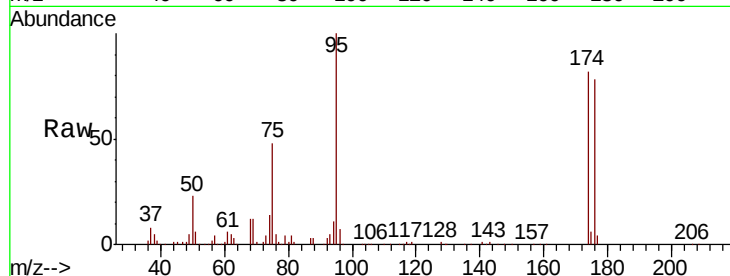
Tot Ion: 95 Resp: 365862

Ion Ratio Lower Upper

95 100

174 81.6 0.0 158.0

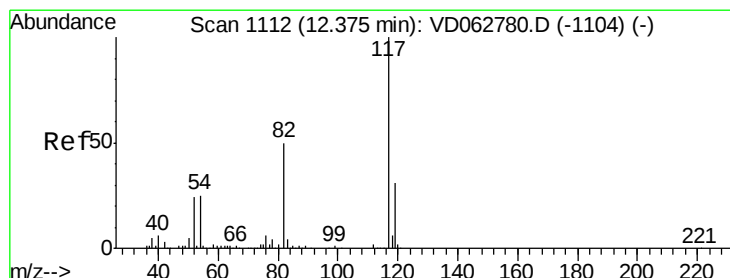
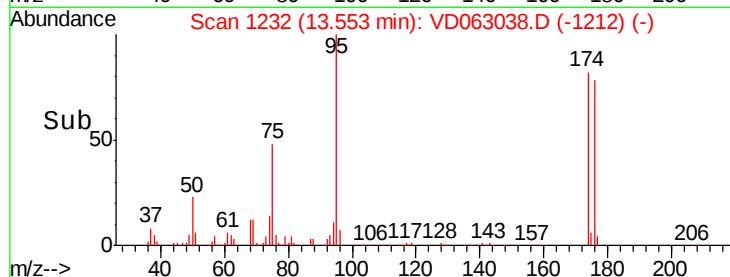
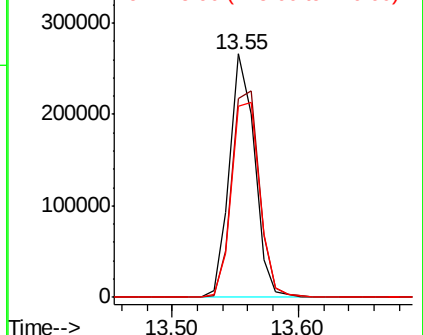
176 78.5 0.0 151.6



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: 12.37 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063038.D

Acq: 8 Jul 2019 16:04

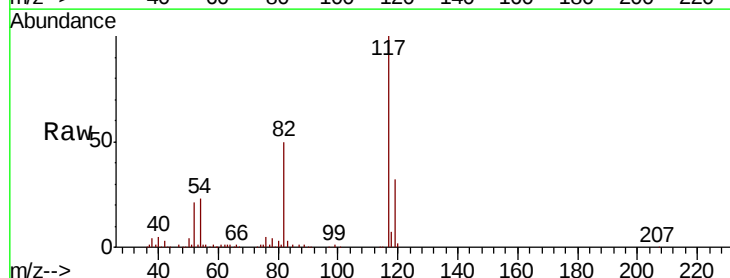
Tgt Ion: 117 Resp: 941585

Ion Ratio Lower Upper

117 100

82 50.4 40.4 60.6

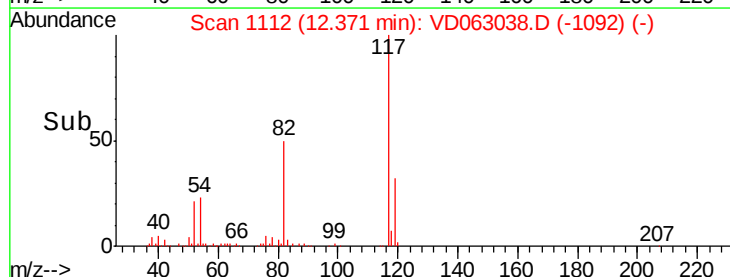
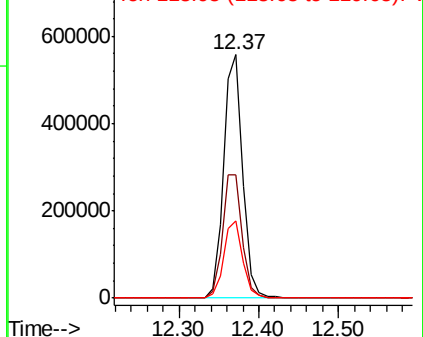
119 31.9 25.2 37.8

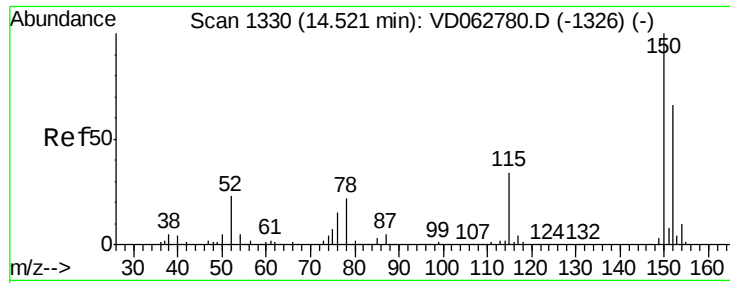


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063038.D

Acq: 8 Jul 2019 16:04

Instrument :

MSVOA_D

ClientSampleId :

STONES

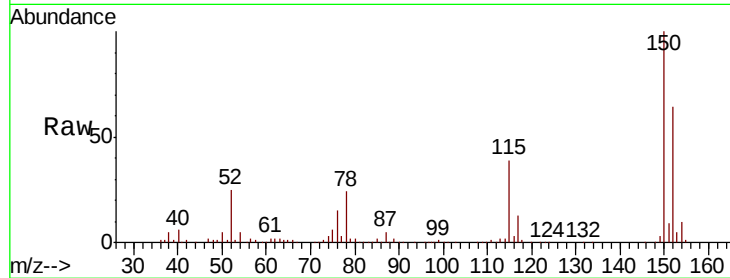
Tot Ion:152 Resp: 506510

Ion Ratio Lower Upper

152 100

115 60.2 29.2 87.6

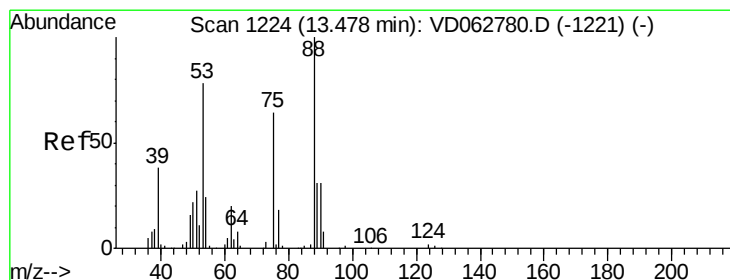
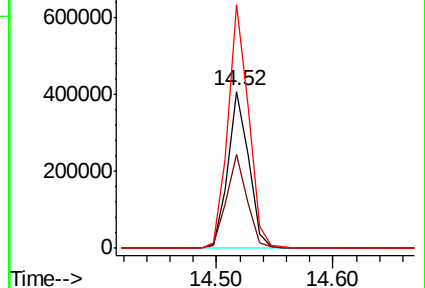
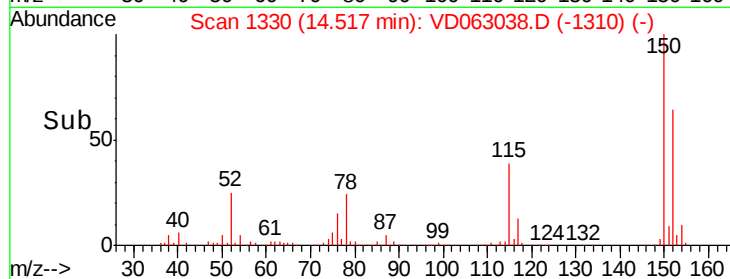
150 155.2 0.0 305.8



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: 108.990 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063038.D

Acq: 8 Jul 2019 16:04

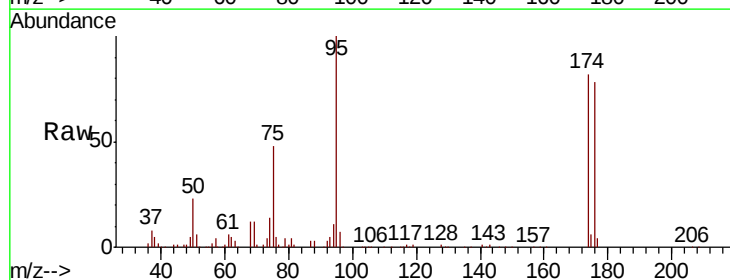
Tgt Ion: 75 Resp: 167025

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

