

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\
 Data File : VD062103.D
 Acq On : 1 May 2019 15:23
 Operator : FY/SY
 Sample : K2654-01
 Misc : 4.99g/5mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-STONES

Quant Time: May 02 00:57:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 08:37:17 2019
 Response via : Initial Calibration

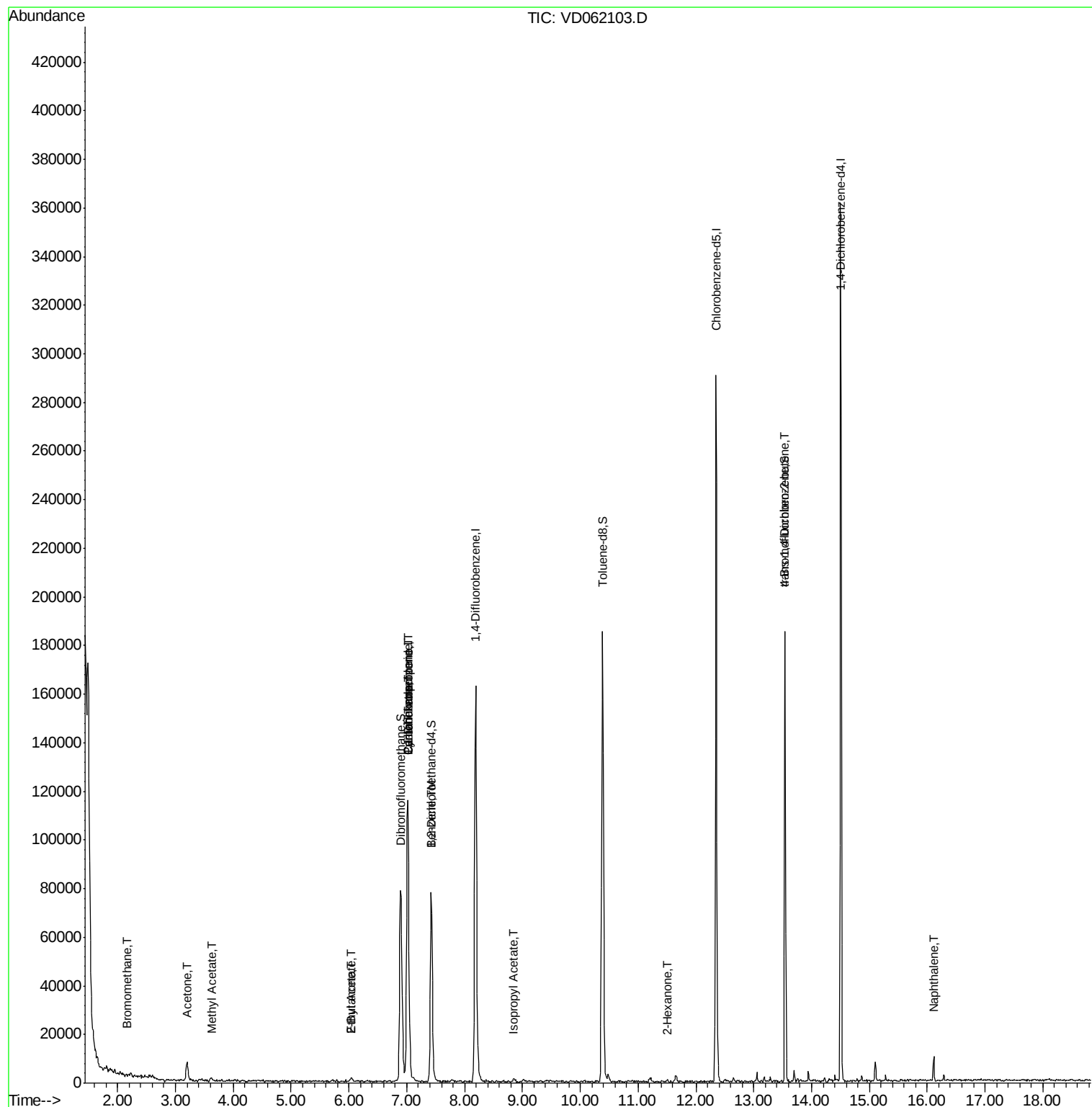
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	118715	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	202957	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.34	117	184142	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	87400	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	76898	82.76	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	165.52%	
35) Dibromofluoromethane	6.89	113	77474	55.19	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	110.38%	
50) Toluene-d8	10.39	98	159895	47.87	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	95.74%	
62) 4-Bromofluorobenzene	13.54	95	65040	48.55	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.10%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.16	94	653	2.101	ug/l #	12
16) Acetone	3.20	43	15985	72.054	ug/l #	77
18) Methyl Acetate	3.62	43	2440	4.079	ug/l #	53
20) Methylene Chloride	3.80	84	218	Below Cal	#	50
25) 2-Butanone	6.04	43	2936	10.916	ug/l #	56
31) Cyclohexane	7.01	56	1422	1.027	ug/l #	6
36) 1,1-Dichloropropene	7.02	75	7639	4.831	ug/l #	49
37) Ethyl Acetate	6.04	43	2936	4.357	ug/l #	64
38) Carbon Tetrachloride	7.02	117	11710	5.844	ug/l #	12
40) Benzene	7.42	78	5069	1.295	ug/l #	86
43) Isopropyl Acetate	8.85	43	2521	2.561	ug/l #	43
59) 2-Hexanone	11.52	43	938	2.077	ug/l #	27
81) trans-1,4-Dichloro-2-buten	13.54	75	26070	77.514	ug/l #	16
95) Naphthalene	16.11	128	8308	3.947	ug/l	96

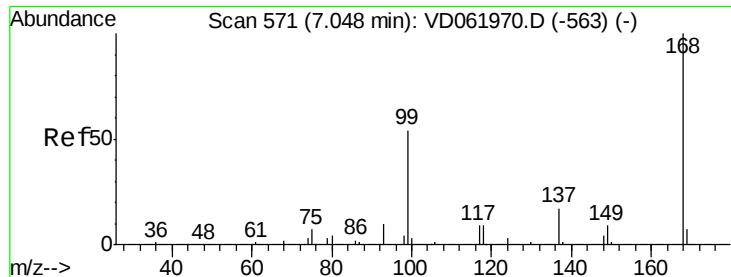
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062103.D

Acq: 1 May 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

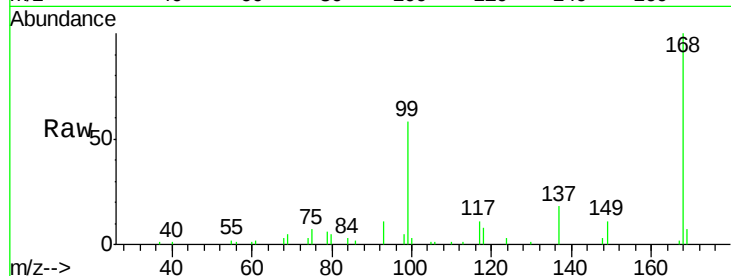
OILY-STONES

Tot Ion:168 Resp: 118715

Ion Ratio Lower Upper

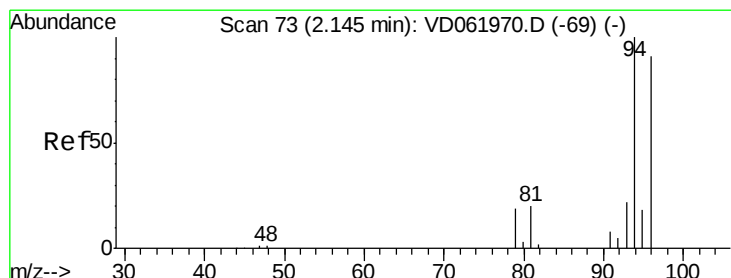
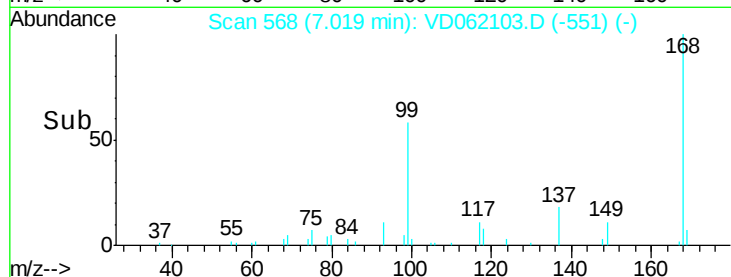
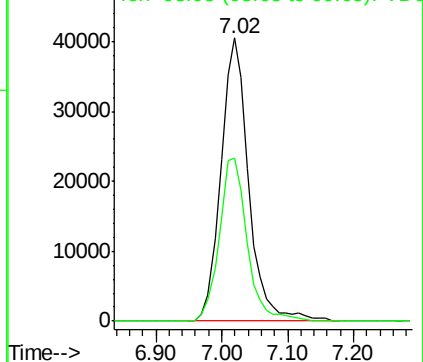
168 100

99 57.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.101 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062103.D

Acq: 1 May 2019 15:23

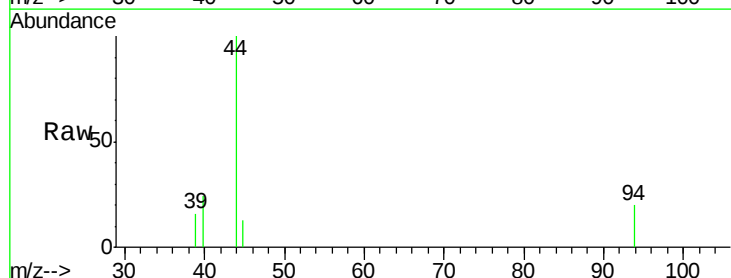
Tgt Ion: 94 Resp: 653

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

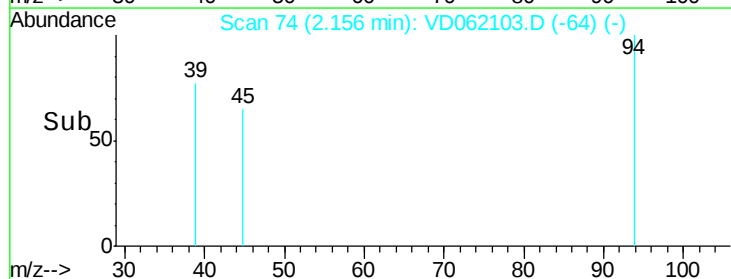
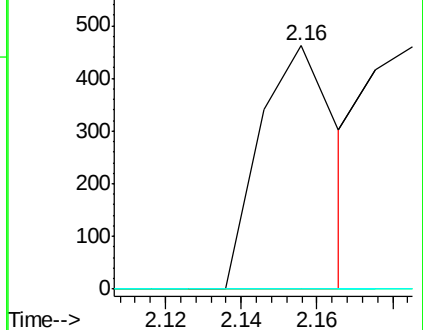
93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 72.054 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.02 min

Lab File: VD062103.D

Acq: 1 May 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

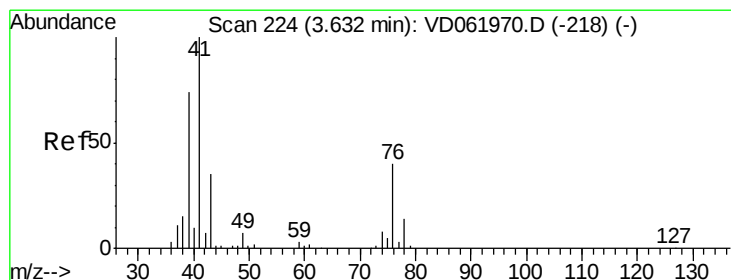
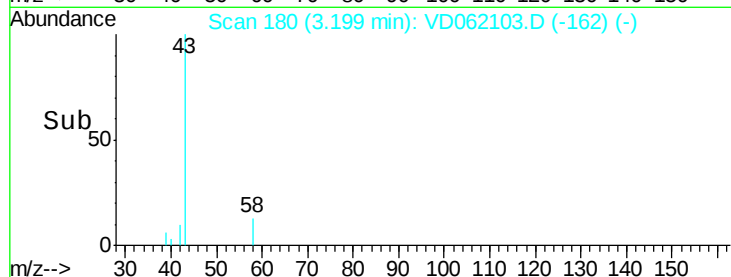
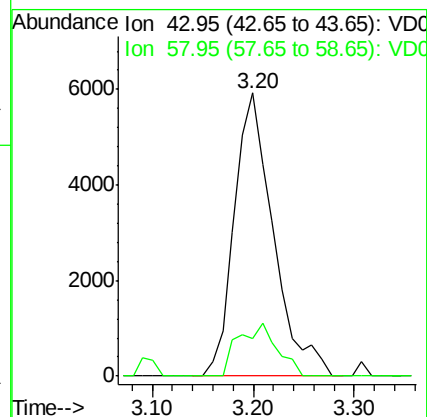
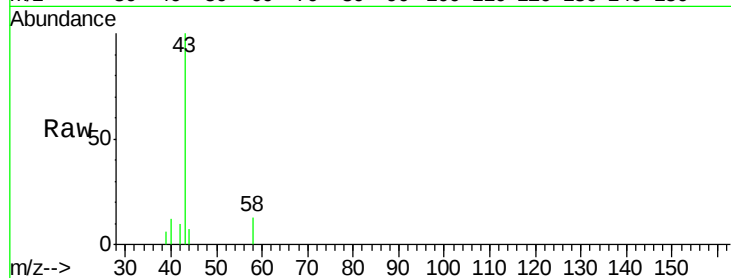
OILY-STONES

Tot Ion: 43 Resp: 15985

Ion Ratio Lower Upper

43 100

58 13.2 19.9 29.9#



#18

Methyl Acetate

Concen: 4.079 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD062103.D

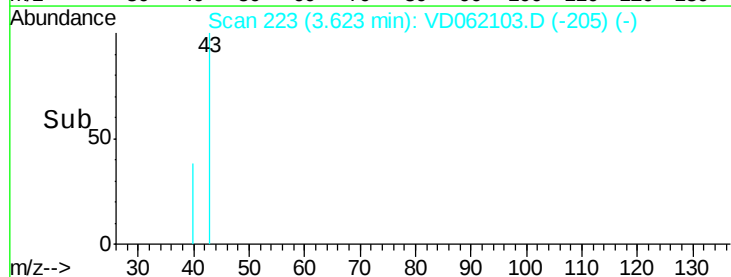
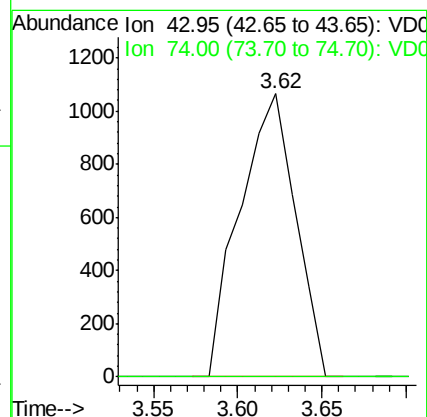
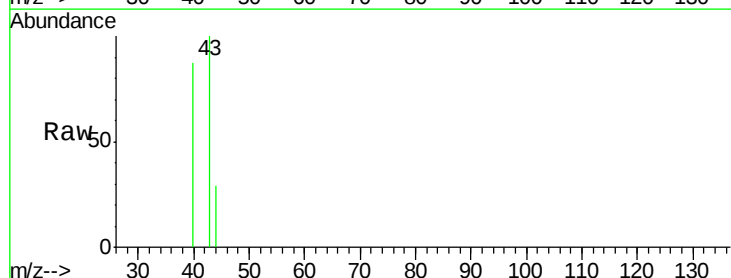
Acq: 1 May 2019 15:23

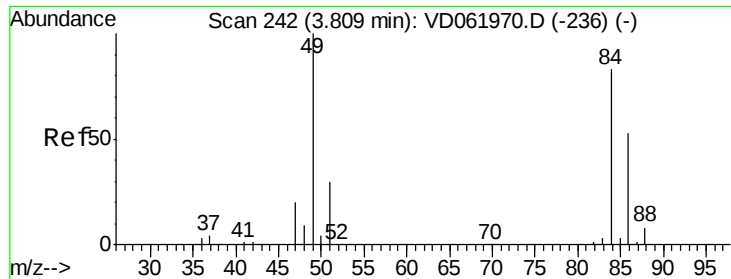
Tgt Ion: 43 Resp: 2440

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#



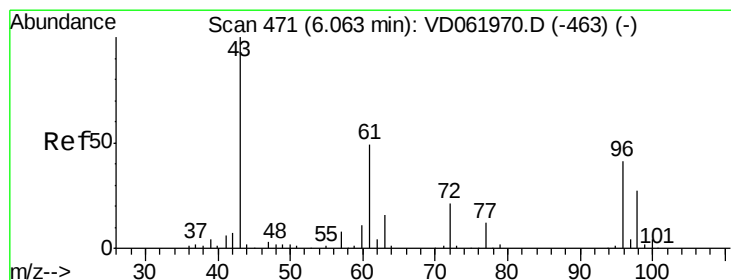
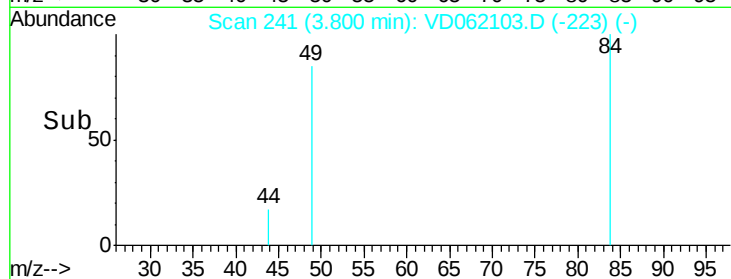
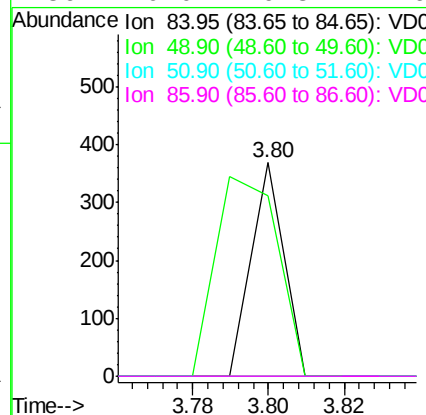
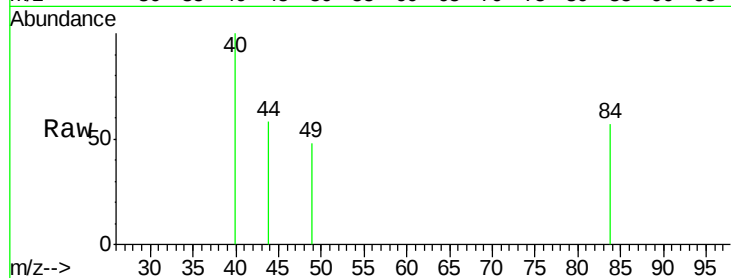


#20
Methvlene Chloride
Concen: Below Cal
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD062103.D
Acq: 1 May 2019 15:23

Instrument :
MSVOA_D
ClientSampleId :
OILY-STONES

Tot Ion: 84 Resp: 218

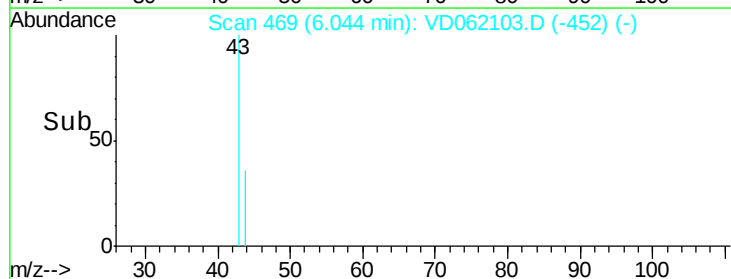
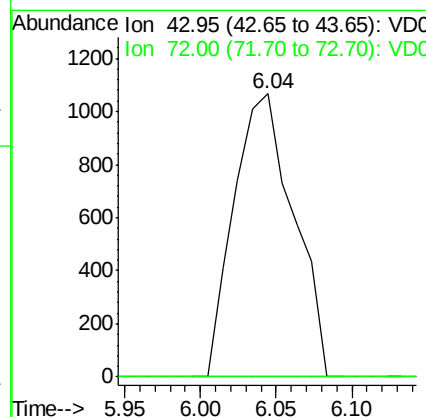
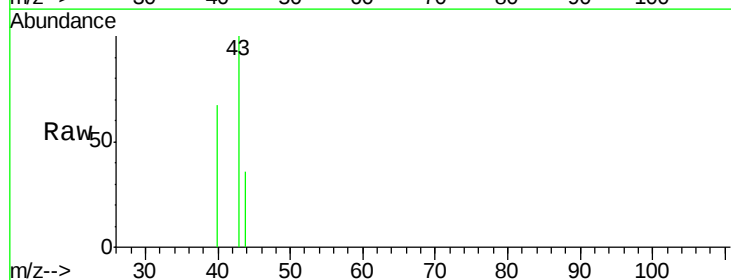
Ion	Ratio	Lower	Upper
84	100		
49	84.6	94.0	141.0#
51	0.0	29.0	43.4#
86	0.0	49.8	74.6#

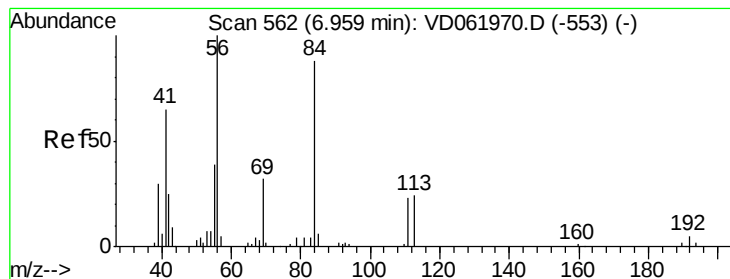


#25
2-Butanone
Concen: 10.916 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.03 min
Lab File: VD062103.D
Acq: 1 May 2019 15:23

Tgt Ion: 43 Resp: 2936

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.2	24.4#





#31

Cyclohexane

Concen: 1.027 ug/l

RT: 7.01 min Scan# 567

Delta R.T. 0.05 min

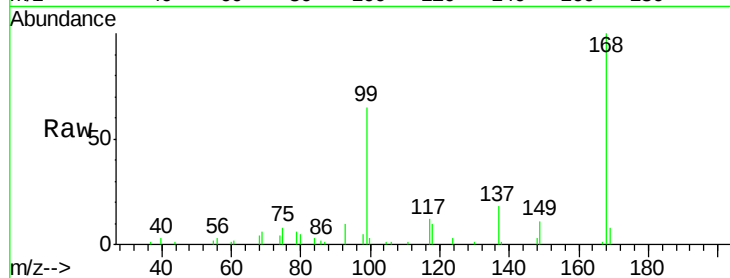
Lab File: VD062103.D

Acq: 1 May 2019 15:23

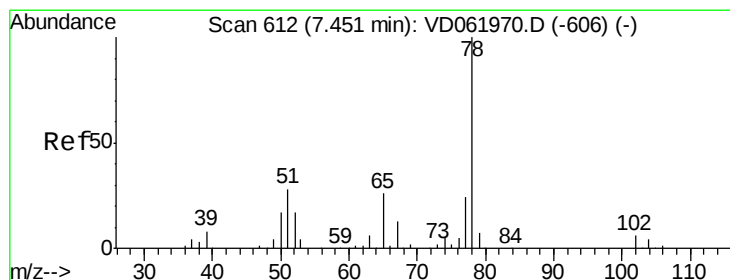
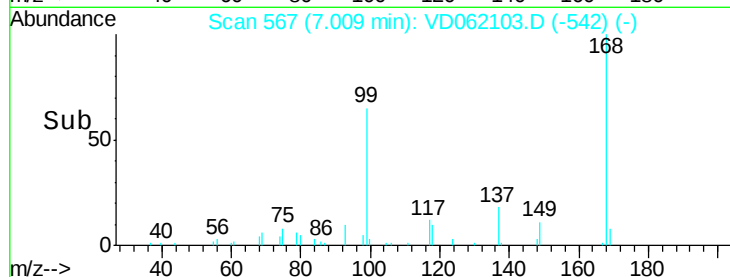
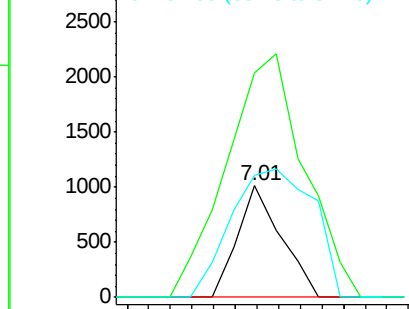
Instrument :
MSVOA_D
ClientSampleId :
OILY-STONES

Tot Ion: 56 Resp: 1422

Ion	Ratio	Lower	Upper
56	100		
69	201.1	25.8	38.6#
84	109.5	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: 82.763 ug/l

RT: 7.42 min Scan# 609

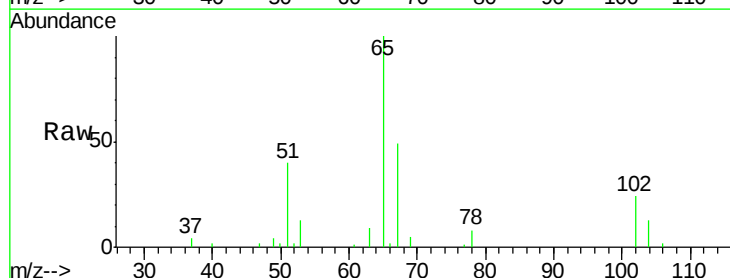
Delta R.T. -0.03 min

Lab File: VD062103.D

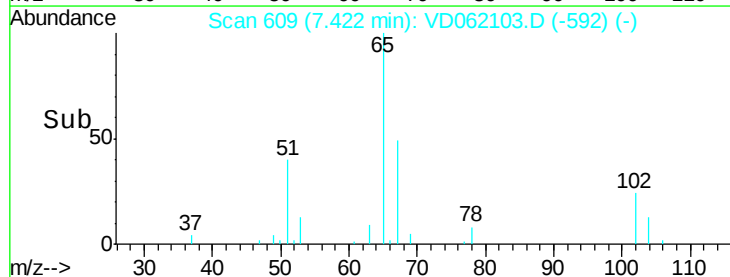
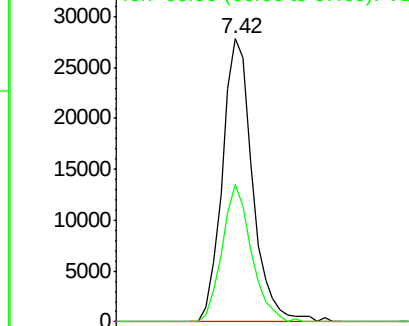
Acq: 1 May 2019 15:23

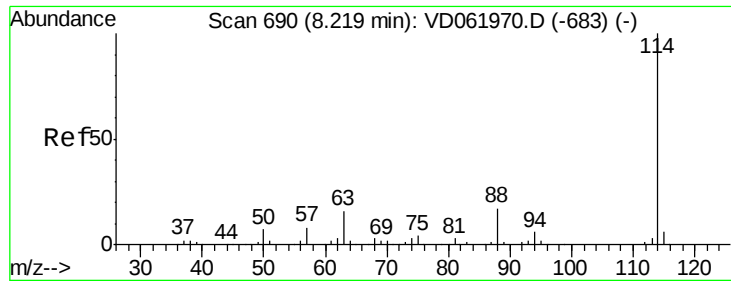
Tgt Ion: 65 Resp: 76898

Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	98.0



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

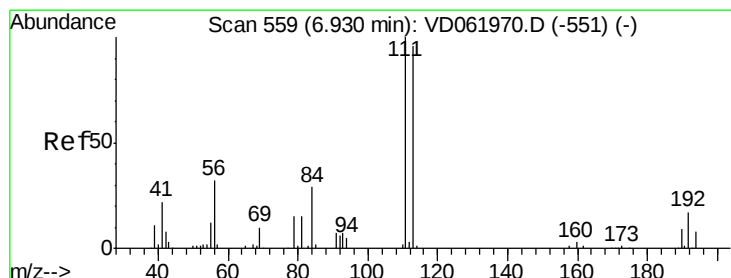
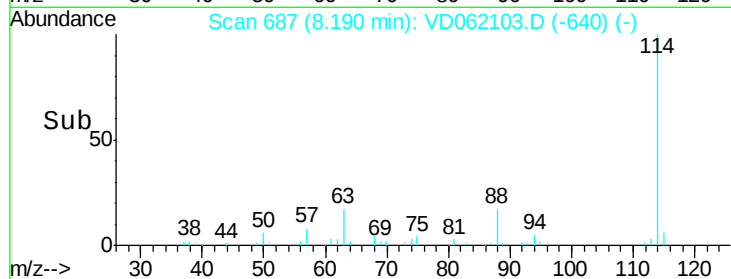
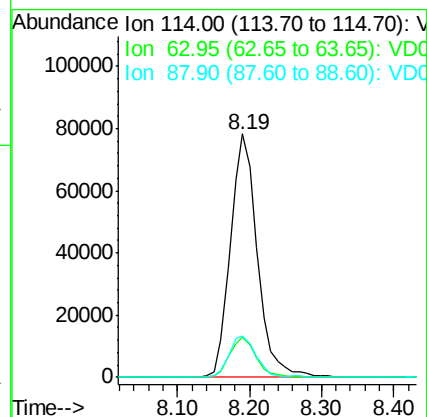
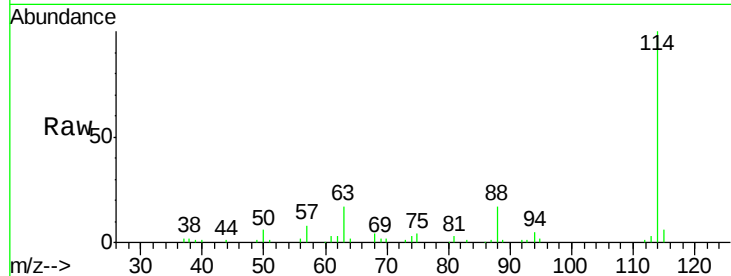




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.03 min
 Lab File: VD062103.D
 Acq: 1 May 2019 15:23

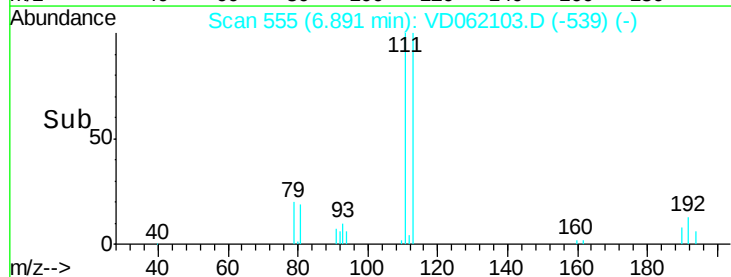
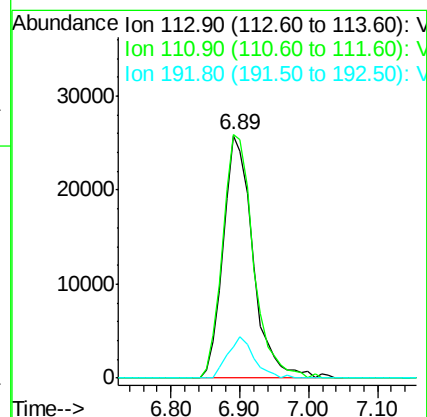
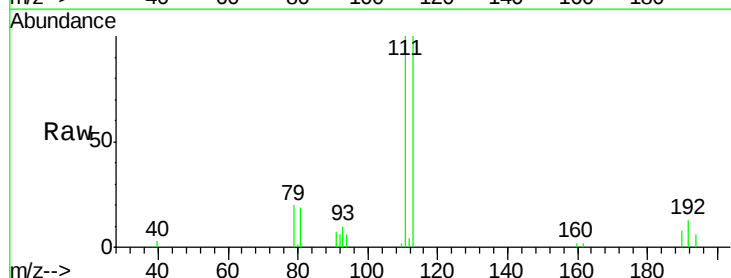
Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-STONES

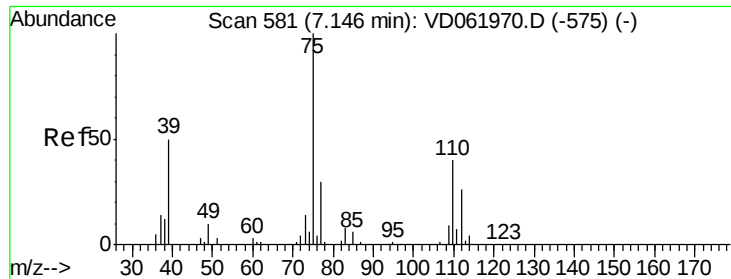
Tot Ion:114 Resp: 202957
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 32.4
 88 17.3 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 55.195 ug/l
 RT: 6.89 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD062103.D
 Acq: 1 May 2019 15:23

Tgt Ion:113 Resp: 77474
 Ion Ratio Lower Upper
 113 100
 111 100.4 78.5 117.7
 192 12.6 13.0 19.4#

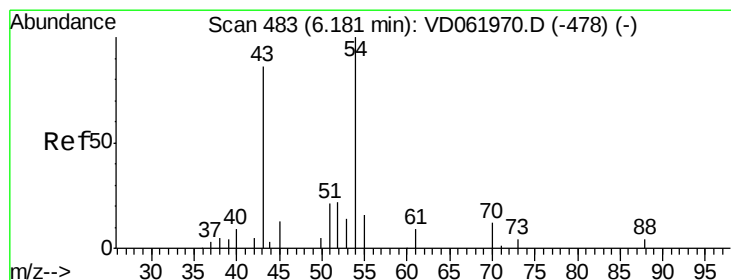
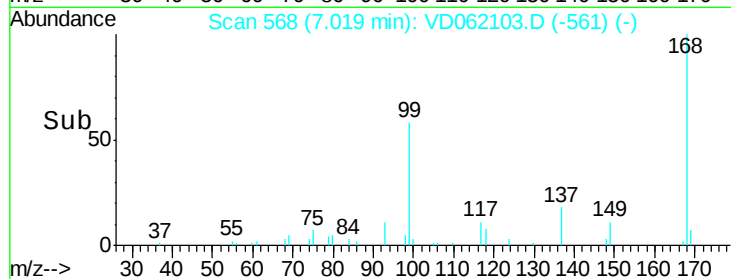
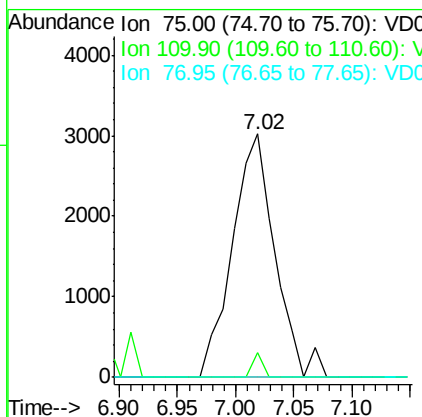
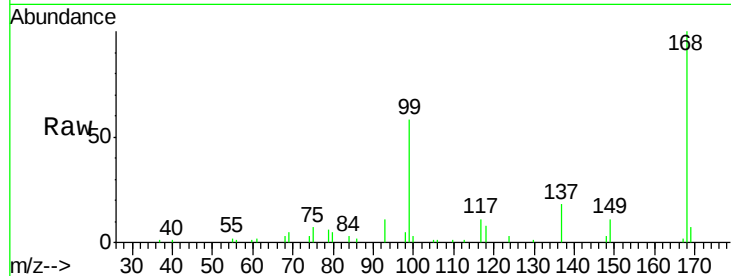




#36
 1,1-Dichloropropene
 Concen: 4.831 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.13 min
 Lab File: VD062103.D
 Acq: 1 May 2019 15:23

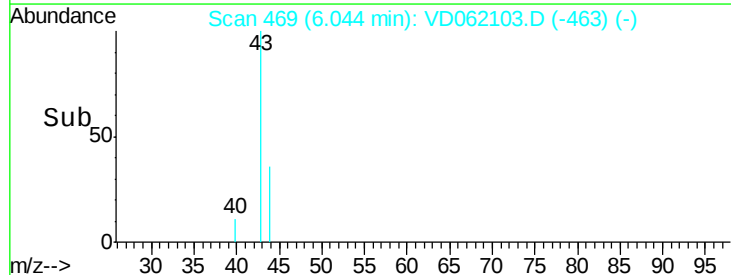
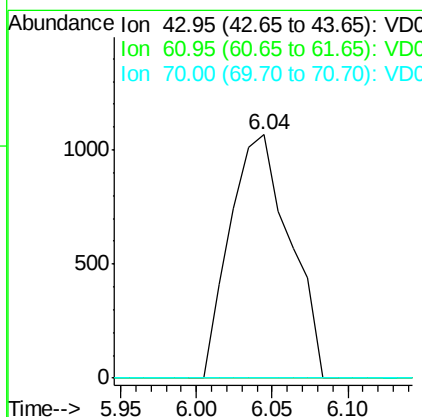
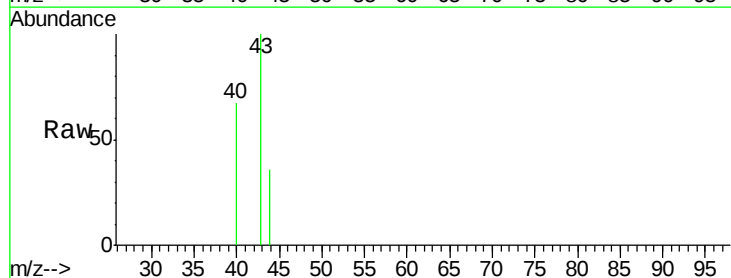
Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-STONES

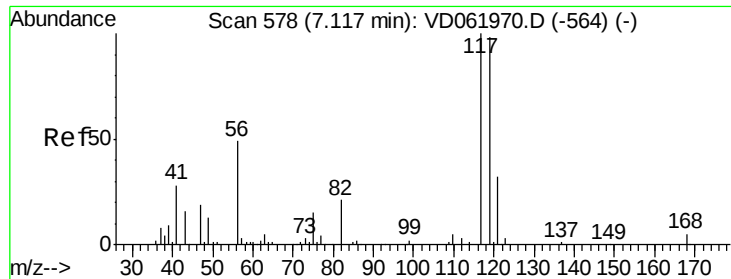
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	19.1	57.1#
77	0.0	25.6	38.4#



#37
 Ethyl Acetate
 Concen: 4.357 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.14 min
 Lab File: VD062103.D
 Acq: 1 May 2019 15:23

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	14.7	22.1#
70	0.0	7.8	11.6#





#38

Carbon Tetrachloride

Concen: 5.844 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD062103.D

Acq: 1 May 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

OILY-STONES

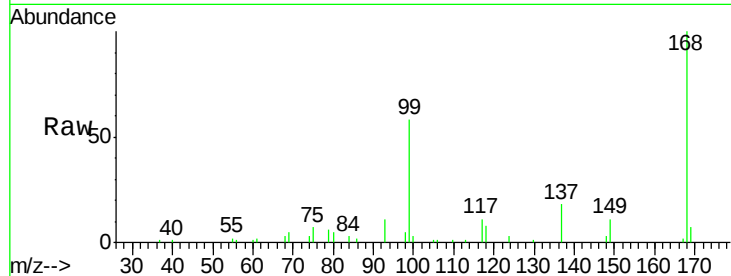
Tot Ion:117 Resp: 11710

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

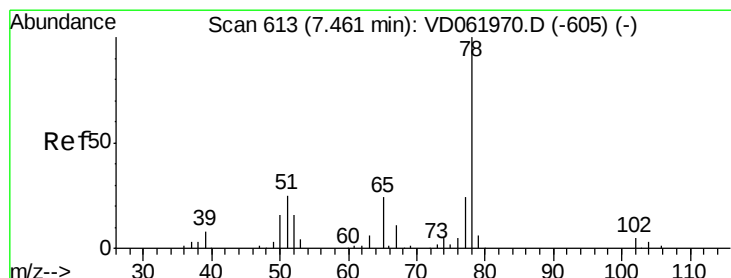
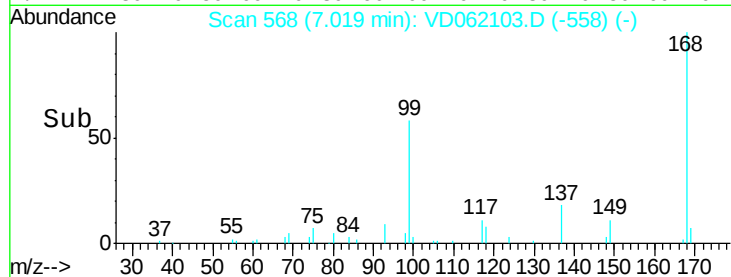
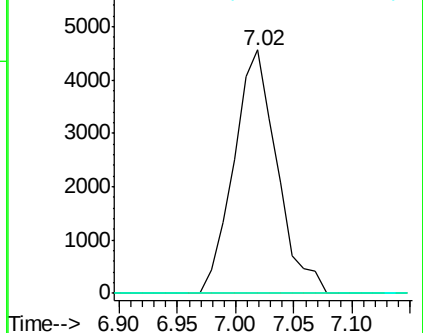
121 0.0 25.9 38.9#



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



#40

Benzene

Concen: 1.295 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062103.D

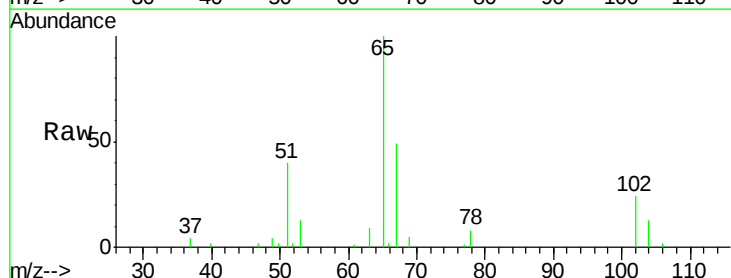
Acq: 1 May 2019 15:23

Tgt Ion: 78 Resp: 5069

Ion Ratio Lower Upper

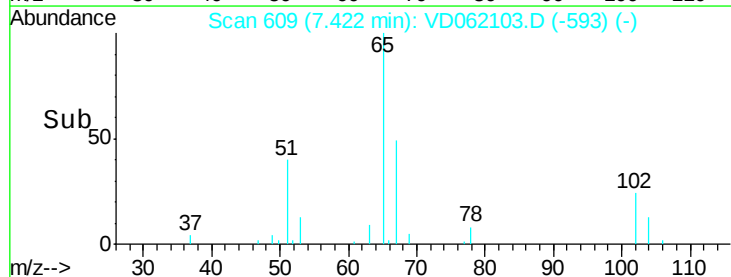
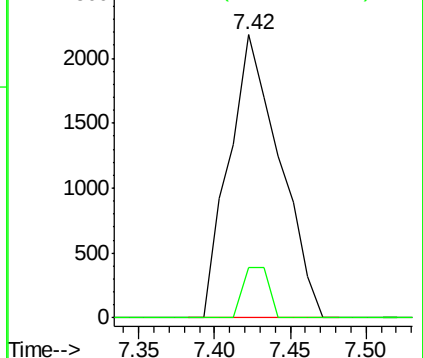
78 100

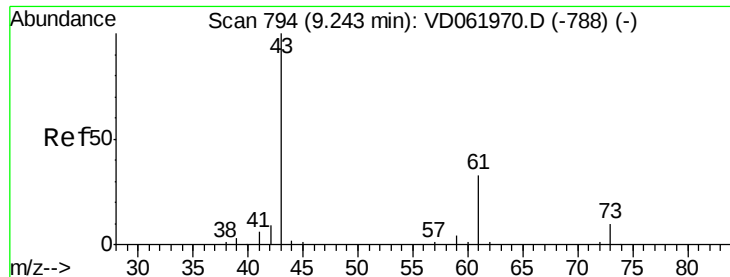
77 17.8 19.7 29.5#



Abundance Ion 77.95 (77.65 to 78.65): V

Ion 76.95 (76.65 to 77.65): V





#43

Isopropyl Acetate

Concen: 2.561 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.40 min

Lab File: VD062103.D

Acq: 1 May 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

OILY-STONES

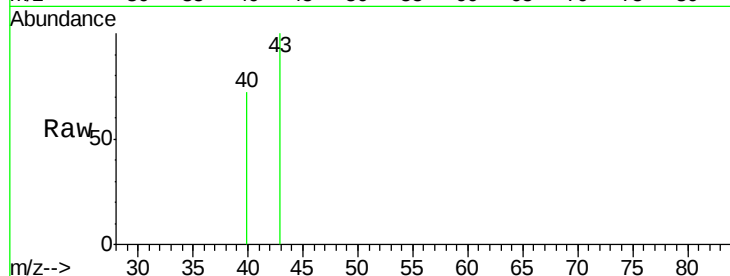
Tot Ion: 43 Resp: 2521

Ion Ratio Lower Upper

43 100

61 0.0 25.1 37.7#

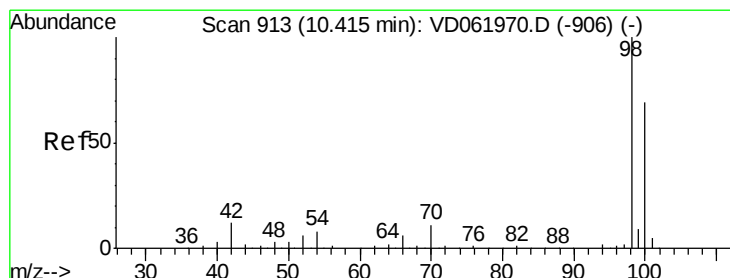
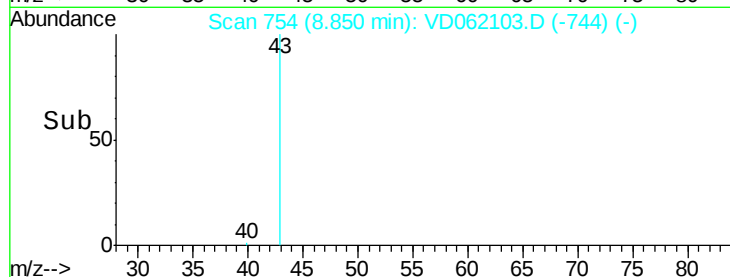
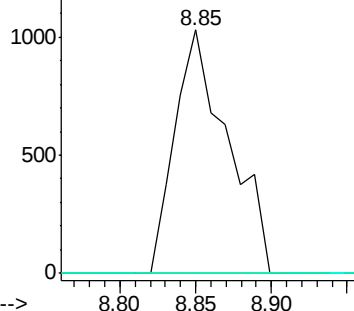
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: 47.873 ug/l

RT: 10.39 min Scan# 910

Delta R.T. -0.03 min

Lab File: VD062103.D

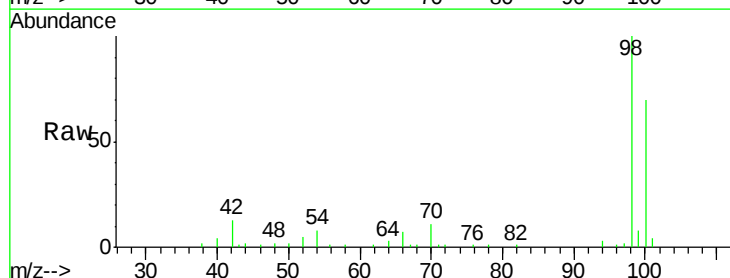
Acq: 1 May 2019 15:23

Tgt Ion: 98 Resp: 159895

Ion Ratio Lower Upper

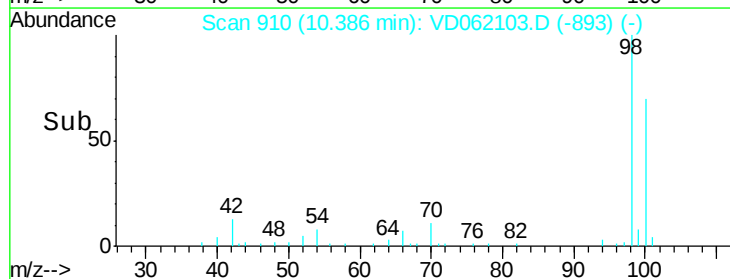
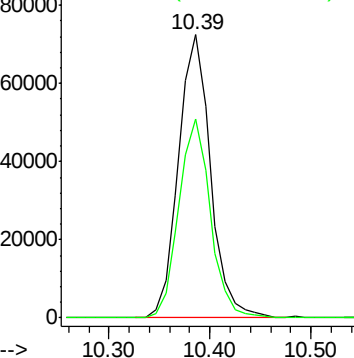
98 100

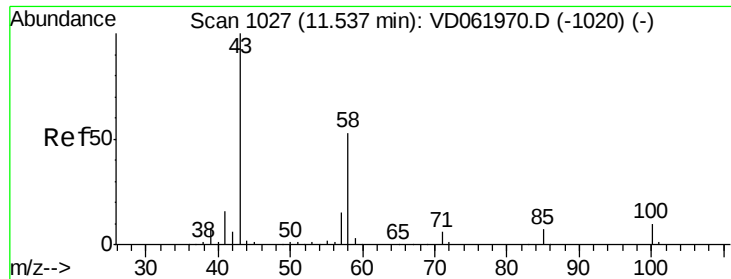
100 70.1 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

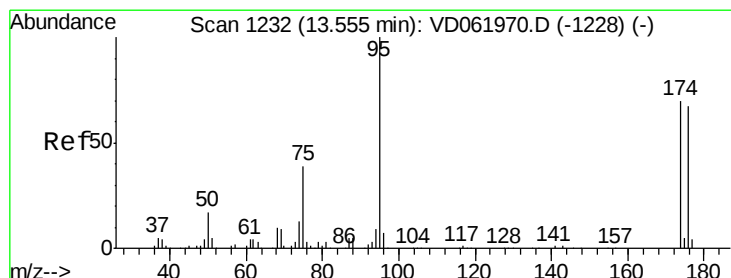
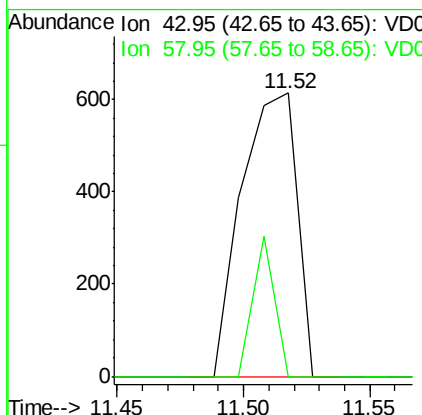
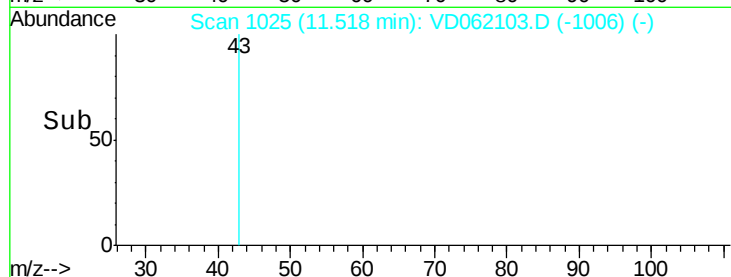
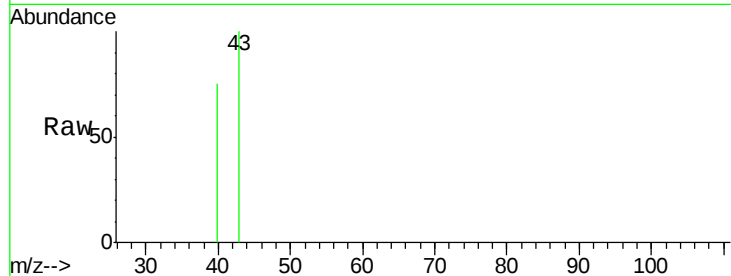




#59
2-Hexanone
Concen: 2.077 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD062103.D
Acq: 1 May 2019 15:23

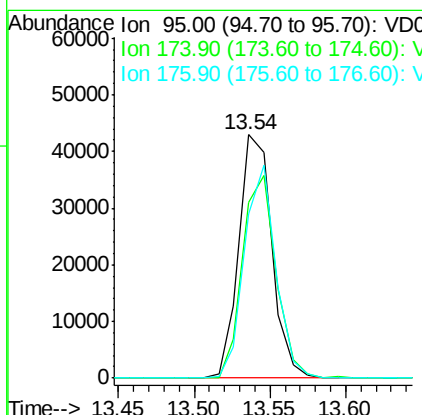
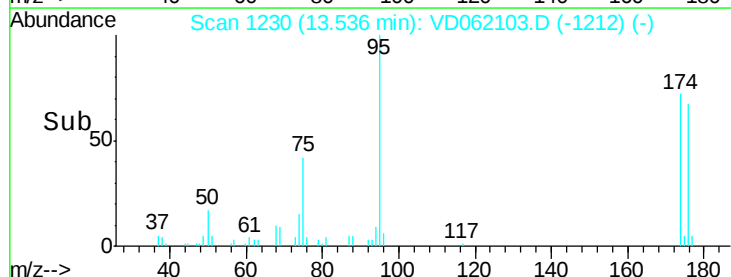
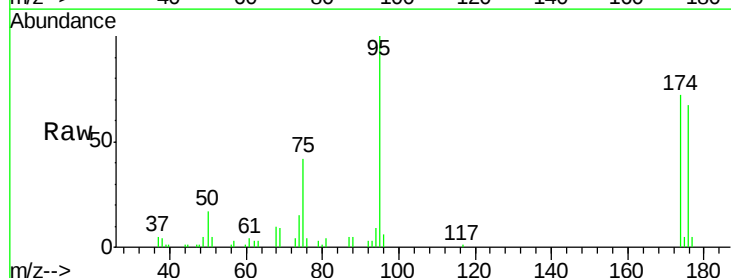
Instrument :
MSVOA_D
ClientSampleId :
OILY-STONES

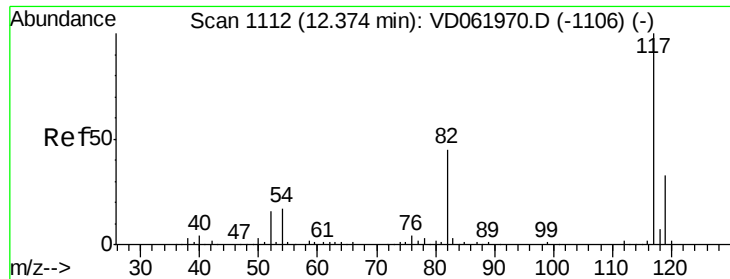
Tot Ion: 43 Resp: 938
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 48.550 ug/l
RT: 13.54 min Scan# 1230
Delta R.T. -0.02 min
Lab File: VD062103.D
Acq: 1 May 2019 15:23

Tgt Ion: 95 Resp: 65040
Ion Ratio Lower Upper
95 100
174 72.0 0.0 181.8
176 67.3 0.0 174.4

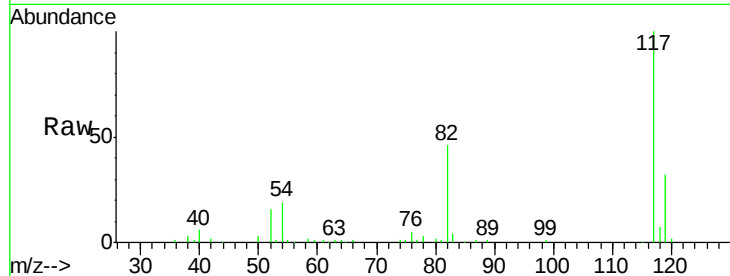




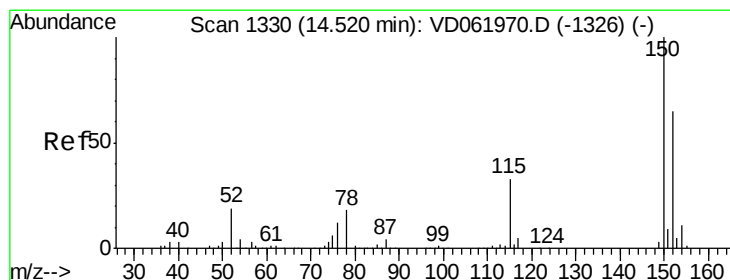
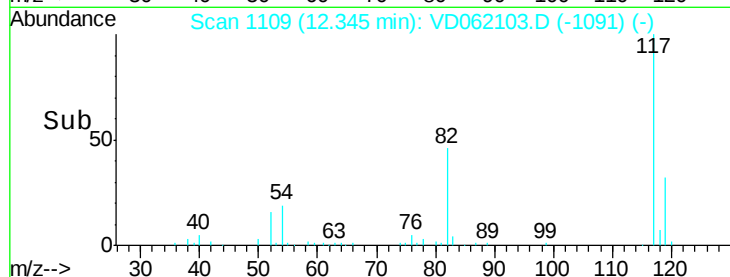
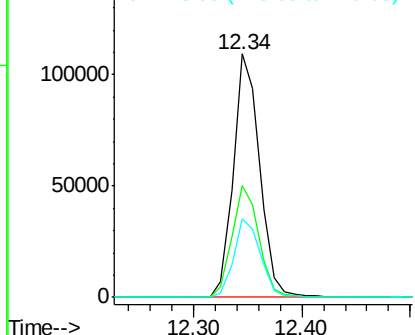
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.02 min
Lab File: VD062103.D
Acq: 1 May 2019 15:23

Instrument :
MSVOA_D
ClientSampleId :
OILY-STONES

Tot Ion:117 Resp: 184142
Ion Ratio Lower Upper
117 100
82 45.7 36.2 54.2
119 32.3 26.2 39.4

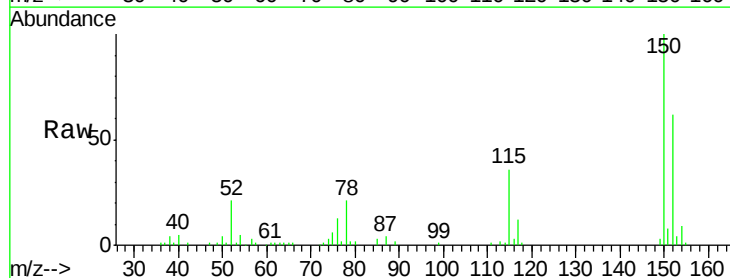


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

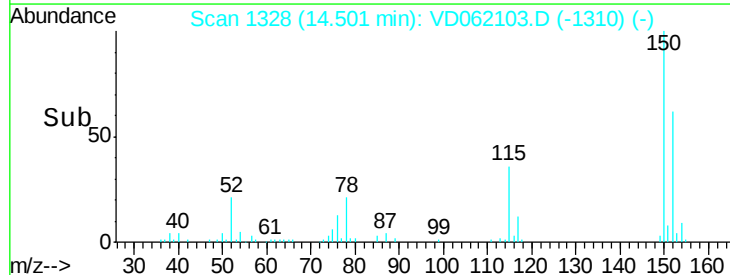
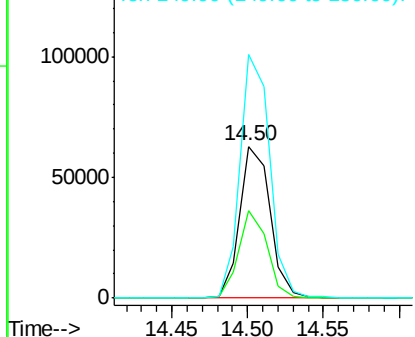


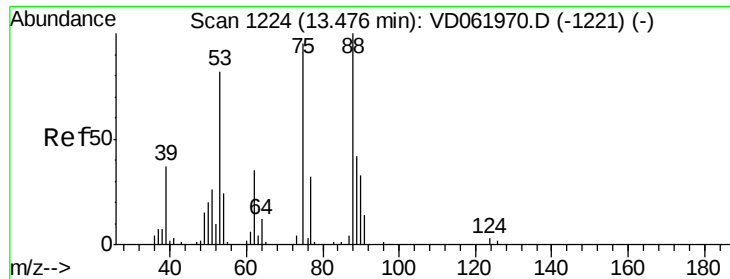
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.02 min
Lab File: VD062103.D
Acq: 1 May 2019 15:23

Tgt Ion:152 Resp: 87400
Ion Ratio Lower Upper
152 100
115 58.0 30.9 92.7
150 160.3 0.0 314.8



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: 77.514 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. 0.06 min

Lab File: VD062103.D

Acq: 1 May 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

OILY-STONES

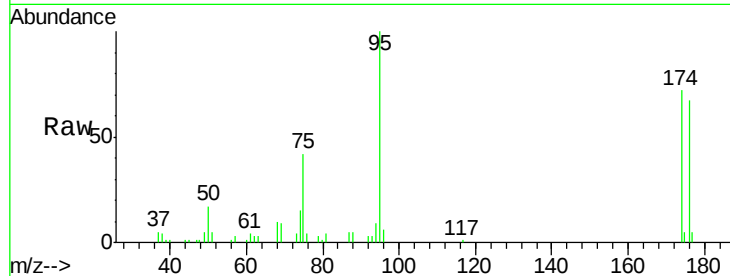
Tot Ion: 75 Resp: 26070

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

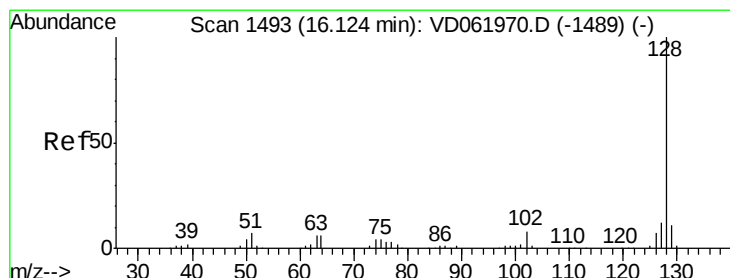
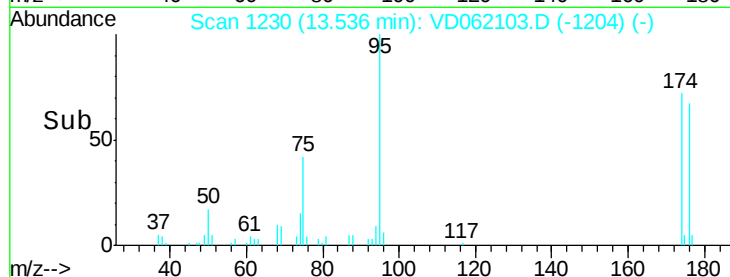
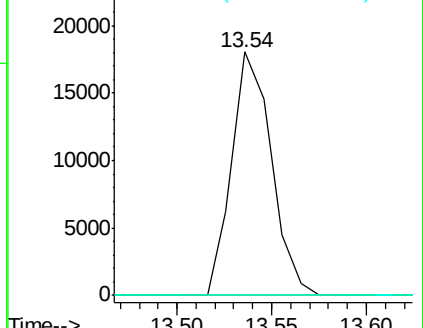
89 0.0 35.0 52.6#



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



#95

Naphthalene

Concen: 3.947 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD062103.D

Acq: 1 May 2019 15:23

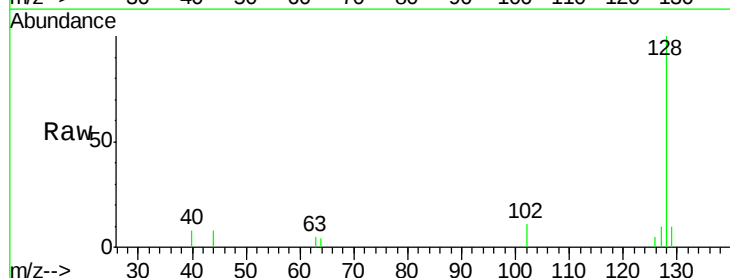
Tgt Ion: 128 Resp: 8308

Ion Ratio Lower Upper

128 100

127 10.4 9.8 14.8

129 10.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

