

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031524\
 Data File : VY017669.D
 Acq On : 15 Mar 2024 13:48
 Operator : SY/MD
 Sample : P1746-04
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-01-7.0-9.5

Quant Time: Mar 16 00:16:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

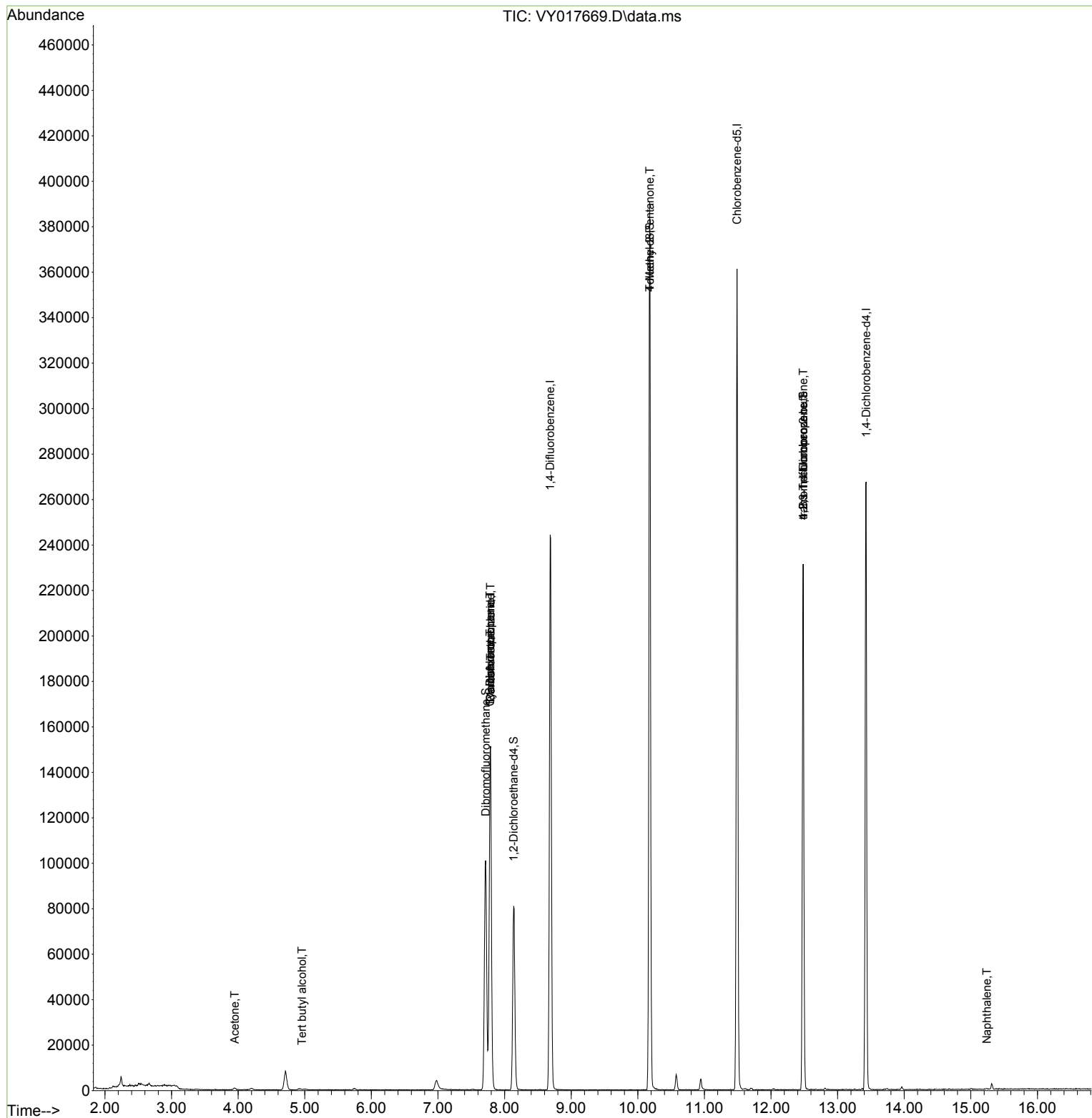
Internal Standards						
1) Pentafluorobenzene	7.789	168	124972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	231788	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	204923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	61003	51.505	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.020%	
35) Dibromofluoromethane	7.716	113	73779	45.679	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.360%	
50) Toluene-d8	10.179	98	266286	47.153	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.300%	
62) 4-Bromofluorobenzene	12.483	95	68064	38.351	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	195	1.938	ug/l #	88
16) Acetone	3.948	43	1369	5.959	ug/l #	82
20) Methylene Chloride	4.710	84	6248	Below Cal		97
31) Cyclohexane	7.783	56	2227	1.155	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	8869	4.070	ug/l #	48
38) Carbon Tetrachloride	7.789	117	11862	5.431	ug/l #	16
51) 4-Methyl-2-Pentanone	10.179	43	843	1.000	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	34656	48.520	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	34656	111.489	ug/l #	16
95) Naphthalene	15.239	128	591	4.146	ug/l #	69

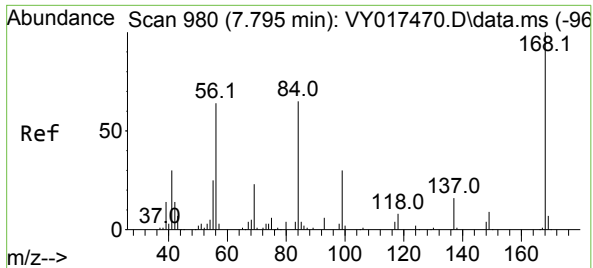
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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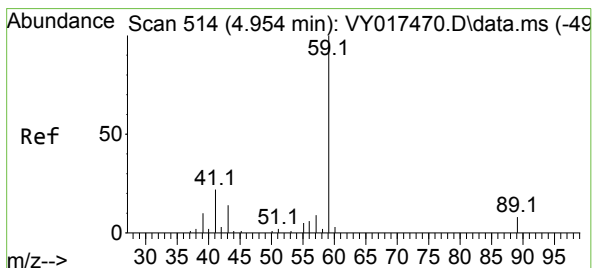
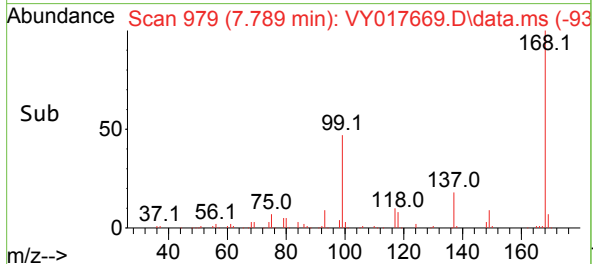
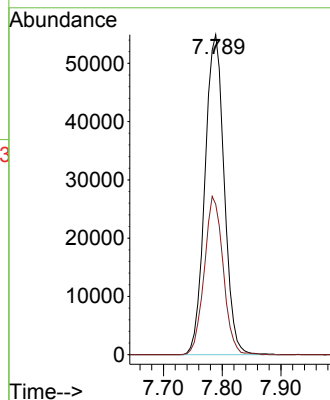
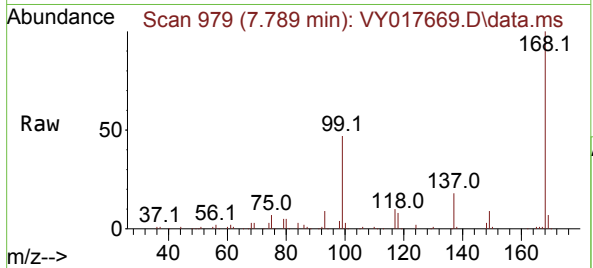




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017669.D
Acq: 15 Mar 2024 13:48

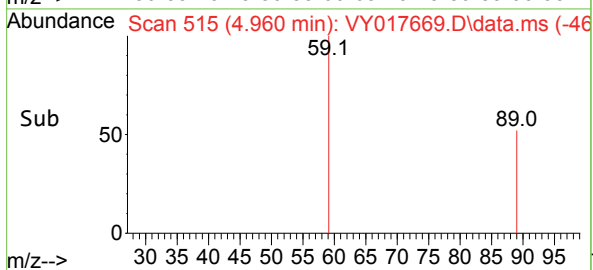
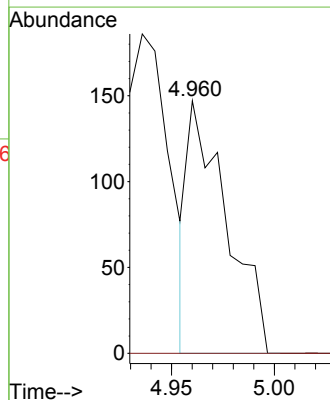
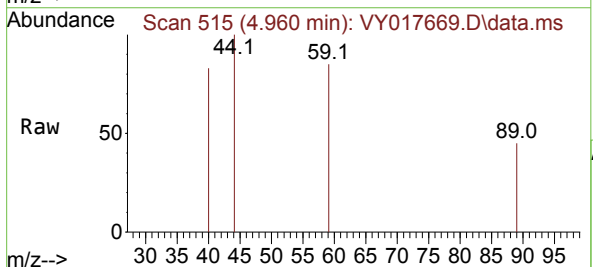
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-7.0-9.5

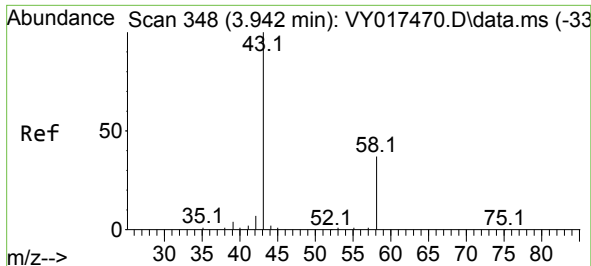
Tgt Ion:168 Resp: 124972
Ion Ratio Lower Upper
168 100
99 47.0 39.1 58.7



#11
Tert butyl alcohol
Concen: 1.938 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY017669.D
Acq: 15 Mar 2024 13:48

Tgt Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 5.959 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY017669.D

Acq: 15 Mar 2024 13:48

Instrument :

MSVOA_Y

ClientSampleId :

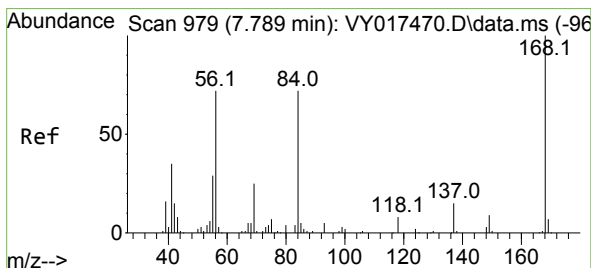
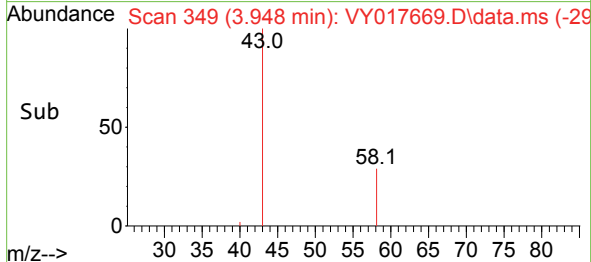
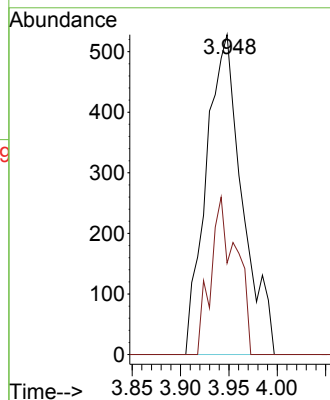
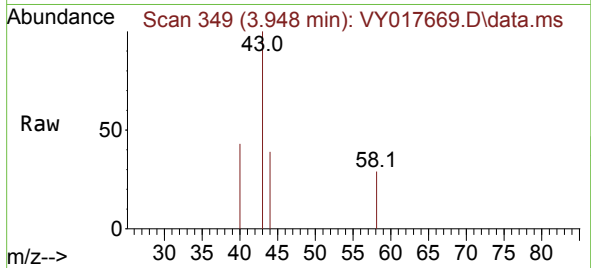
SB-01-7.0-9.5

Tgt Ion: 43 Resp: 1369

Ion Ratio Lower Upper

43 100

58 28.6 31.7 47.5#



#31

Cyclohexane

Concen: 1.155 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY017669.D

Acq: 15 Mar 2024 13:48

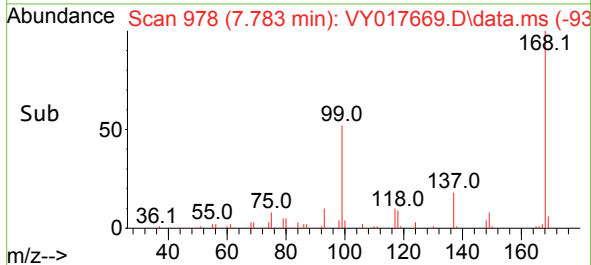
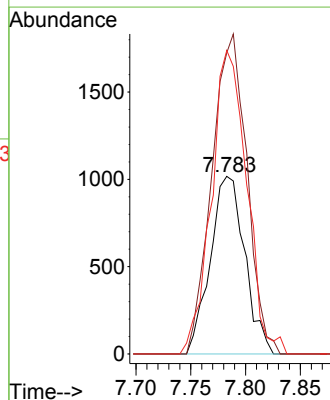
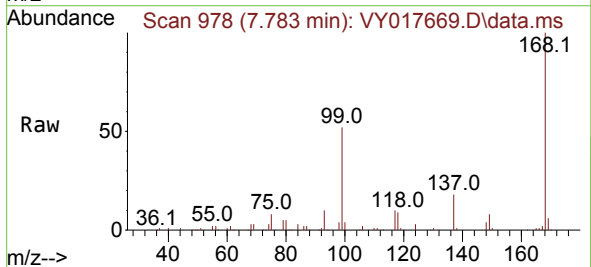
Tgt Ion: 56 Resp: 2227

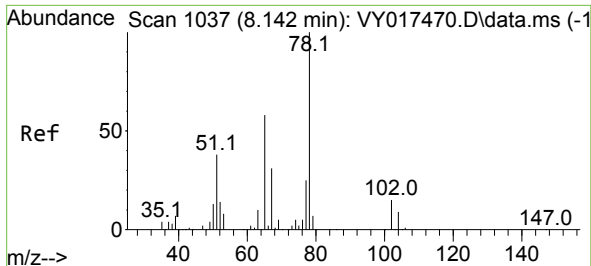
Ion Ratio Lower Upper

56 100

69 169.6 28.7 43.1#

84 171.0 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 51.505 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY017669.D

Acq: 15 Mar 2024 13:48

Instrument :

MSVOA_Y

ClientSampleId :

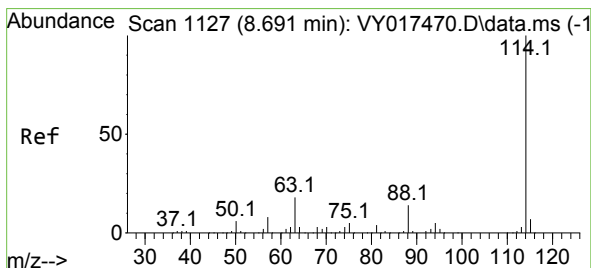
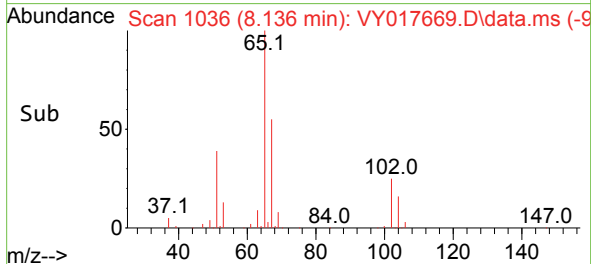
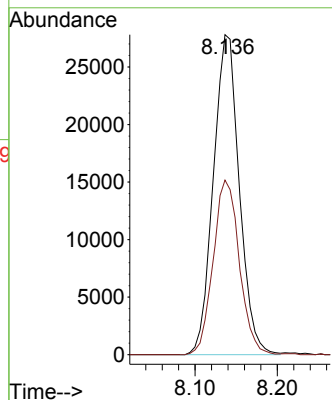
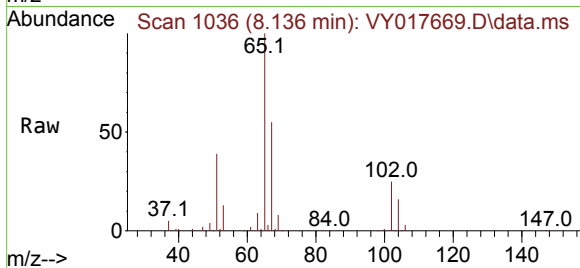
SB-01-7.0-9.5

Tgt Ion: 65 Resp: 61003

Ion Ratio Lower Upper

65 100

67 55.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY017669.D

Acq: 15 Mar 2024 13:48

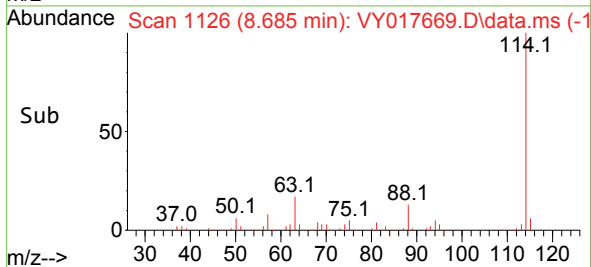
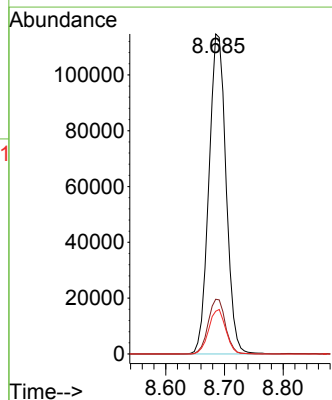
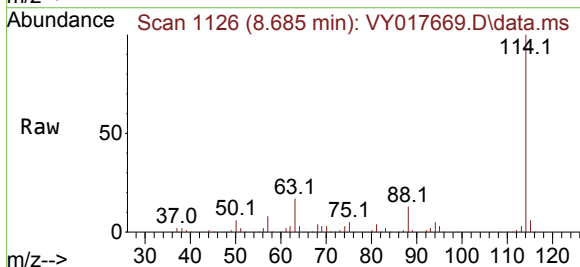
Tgt Ion: 114 Resp: 231788

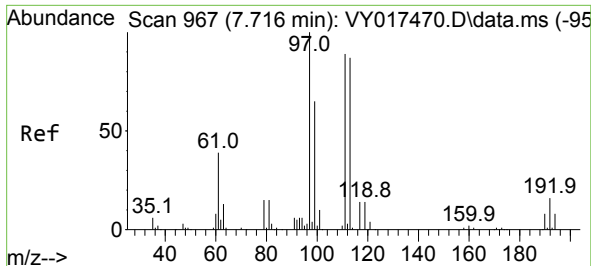
Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.0

88 13.4 0.0 27.2

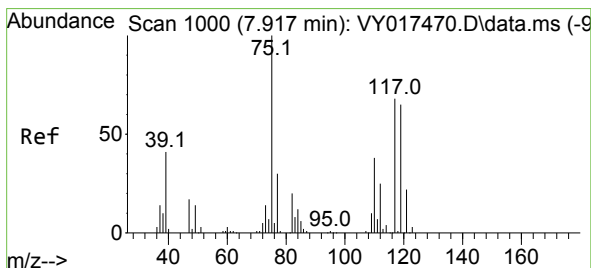
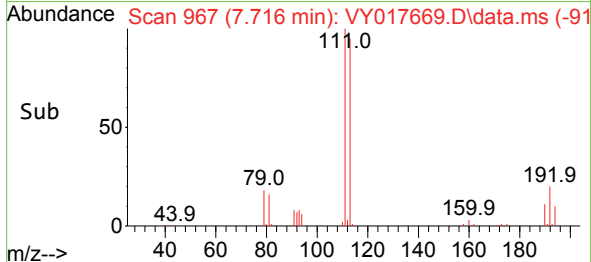
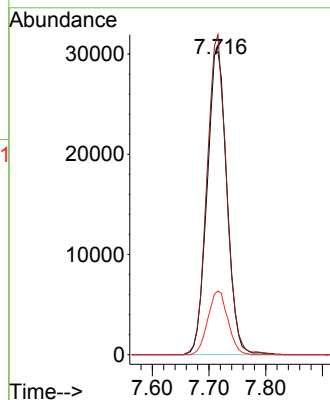
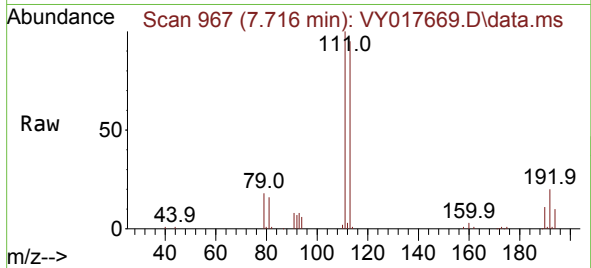




#35
Dibromofluoromethane
Concen: 45.679 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017669.D
Acq: 15 Mar 2024 13:48

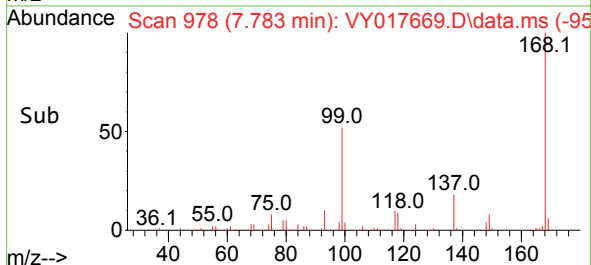
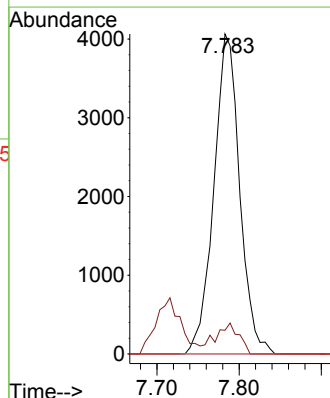
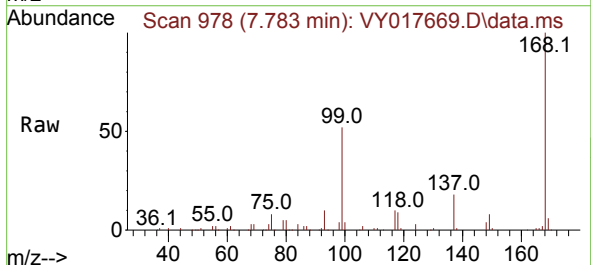
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-7.0-9.5

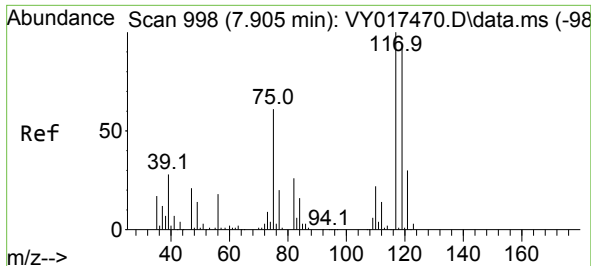
Tgt Ion:113 Resp: 73779
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 21.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.070 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY017669.D
Acq: 15 Mar 2024 13:48

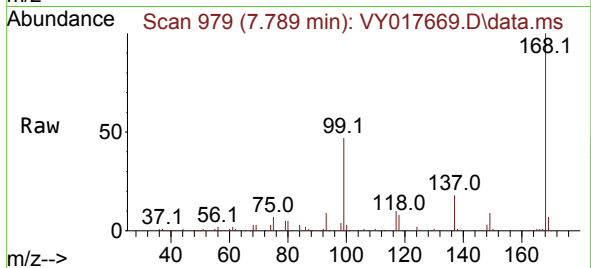
Tgt Ion: 75 Resp: 8869
Ion Ratio Lower Upper
75 100
110 8.8 19.0 57.0#
77 0.0 25.3 37.9#



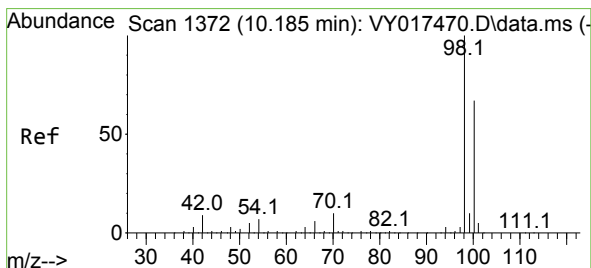
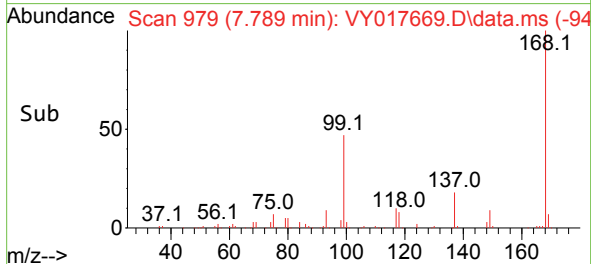
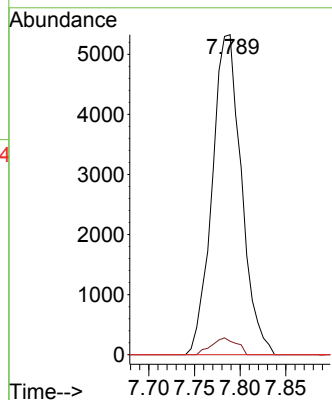


#38
Carbon Tetrachloride
Concen: 5.431 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY017669.D
Acq: 15 Mar 2024 13:48

Instrument :
MSVOA_Y
ClientSampleId :
SB-01-7.0-9.5

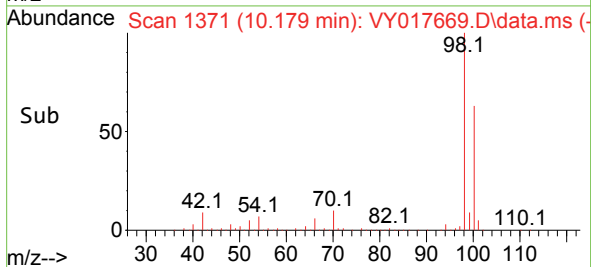
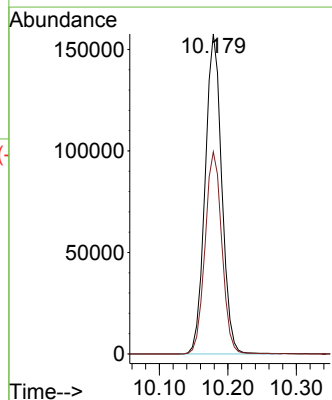
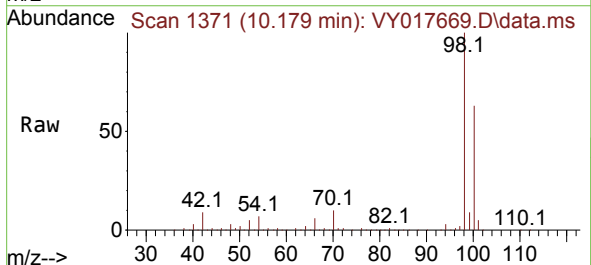


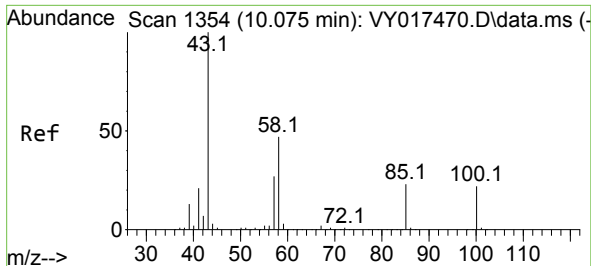
Tgt Ion:117 Resp: 11862
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.153 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY017669.D
Acq: 15 Mar 2024 13:48

Tgt Ion: 98 Resp: 266286
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

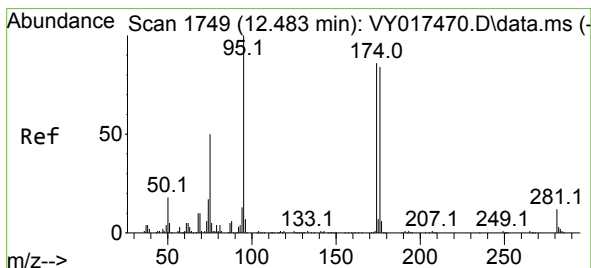
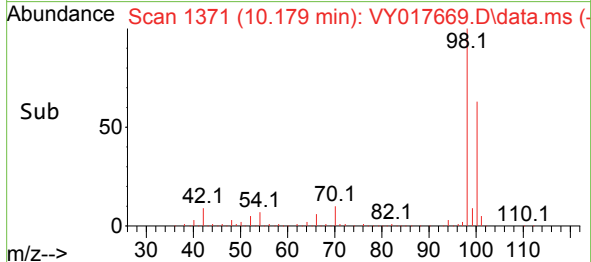
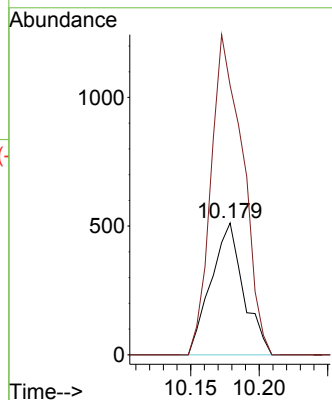
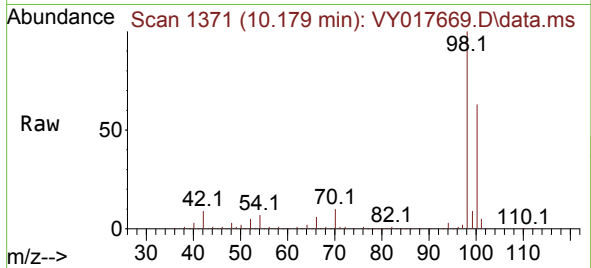




#51
4-Methyl-2-Pentanone
Concen: 1.000 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY017669.D
Acq: 15 Mar 2024 13:48

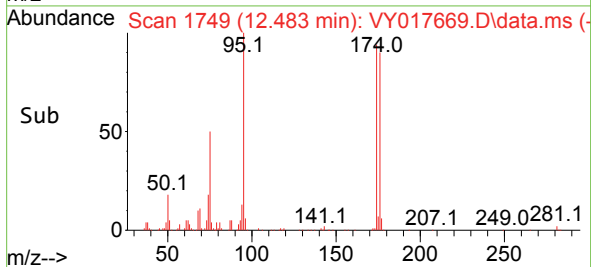
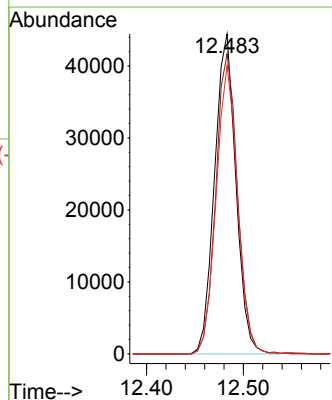
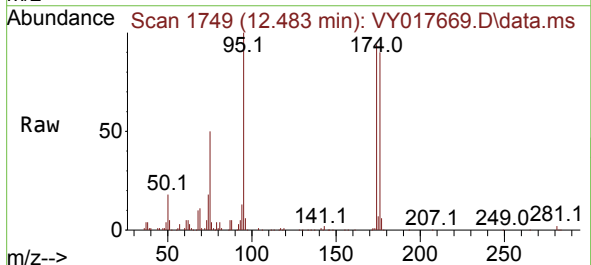
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-7.0-9.5

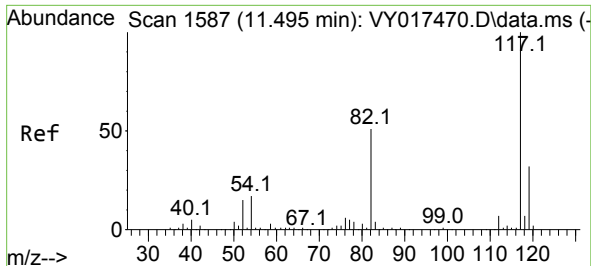
Tgt Ion: 43 Resp: 843
Ion Ratio Lower Upper
43 100
58 238.3 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 38.351 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY017669.D
Acq: 15 Mar 2024 13:48

Tgt Ion: 95 Resp: 68064
Ion Ratio Lower Upper
95 100
174 95.8 0.0 175.6
176 90.6 0.0 171.4

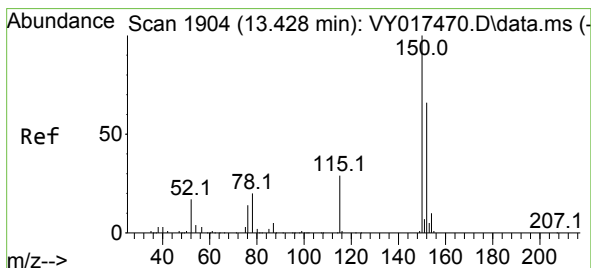
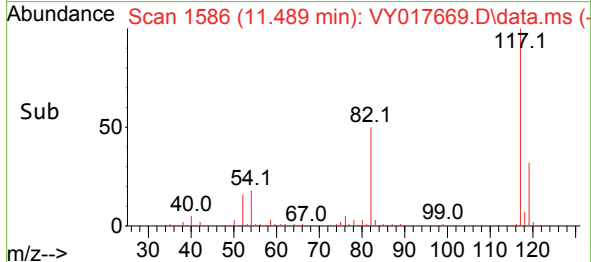
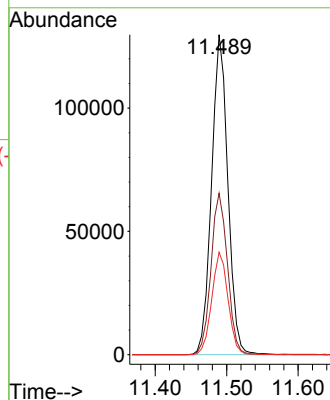
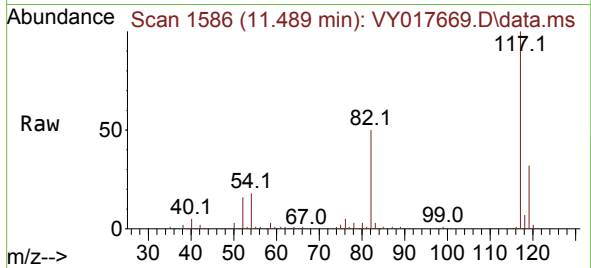




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017669.D
Acq: 15 Mar 2024 13:48

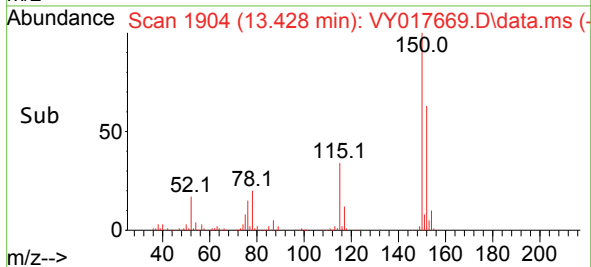
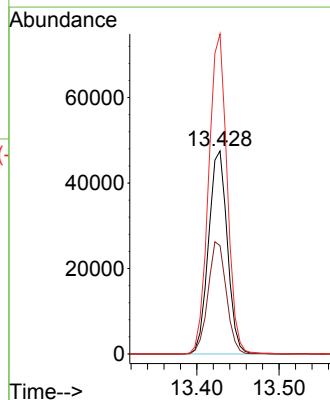
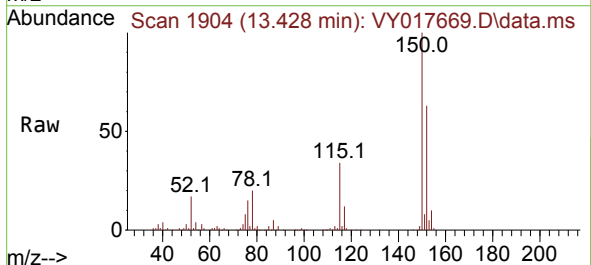
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-7.0-9.5

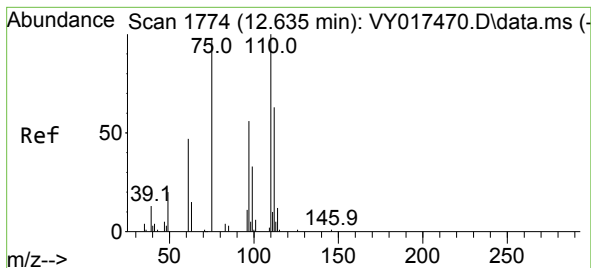
Tgt Ion:117 Resp: 204923
Ion Ratio Lower Upper
117 100
82 50.5 42.4 63.6
119 32.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY017669.D
Acq: 15 Mar 2024 13:48

Tgt Ion:152 Resp: 75173
Ion Ratio Lower Upper
152 100
115 54.1 28.2 84.7
150 155.4 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 48.520 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY017669.D

Acq: 15 Mar 2024 13:48

Instrument :

MSVOA_Y

ClientSampleId :

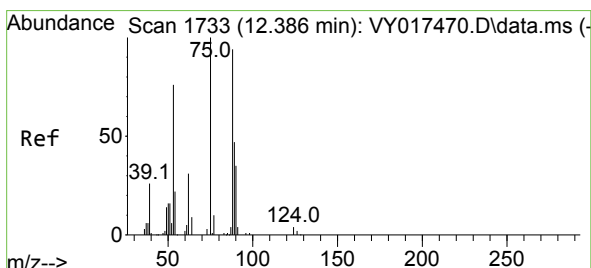
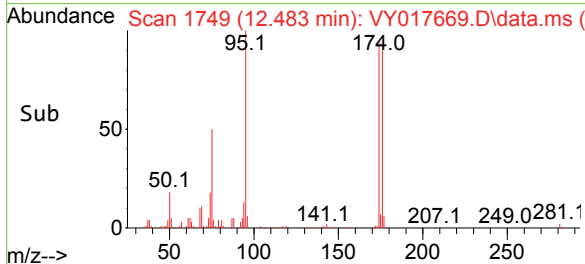
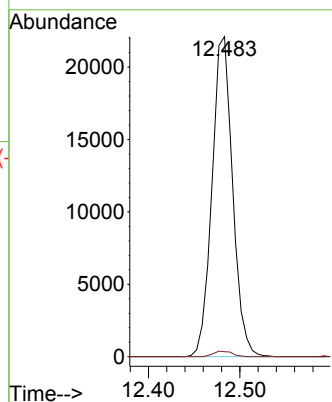
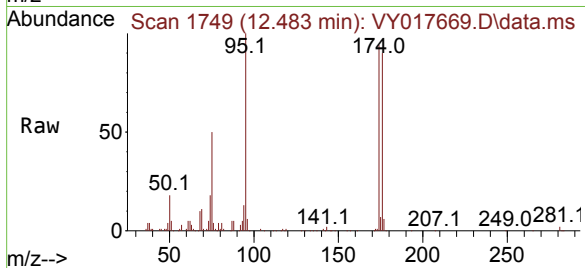
SB-01-7.0-9.5

Tgt Ion: 75 Resp: 34656

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 111.489 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.098 min

Lab File: VY017669.D

Acq: 15 Mar 2024 13:48

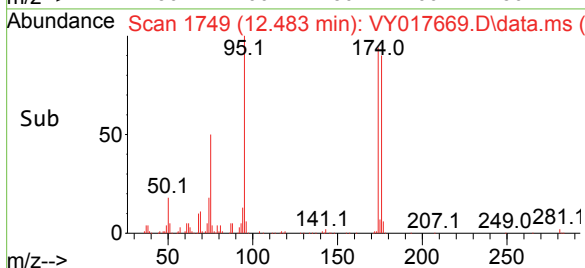
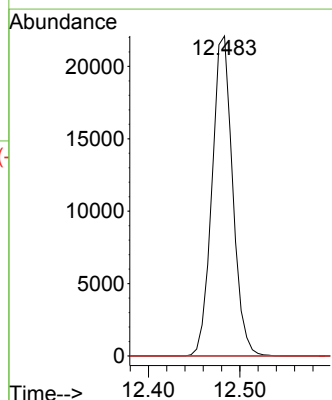
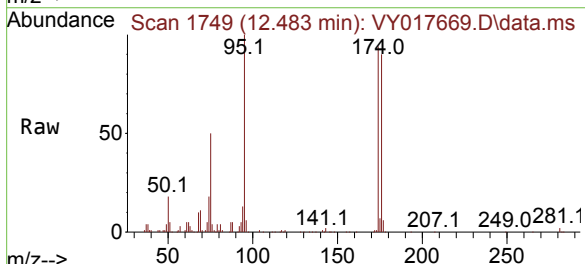
Tgt Ion: 75 Resp: 34656

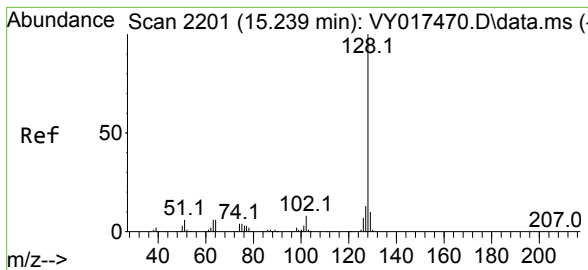
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

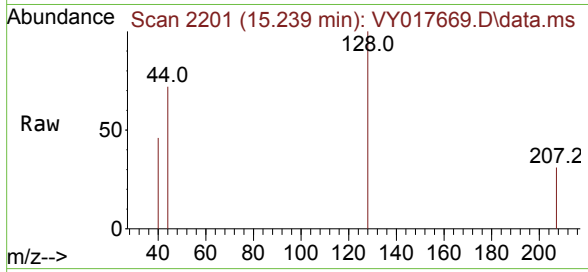
89 0.0 35.8 53.6#





#95
 Naphthalene
 Concen: 4.146 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY017669.D
 Acq: 15 Mar 2024 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-01-7.0-9.5



Tgt Ion:	128	Resp:	591
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

