

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060523\
 Data File : VY014002.D
 Acq On : 05 Jun 2023 13:12
 Operator : KP/MD
 Sample : 03002-04
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB04

Quant Time: Jun 05 15:33:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

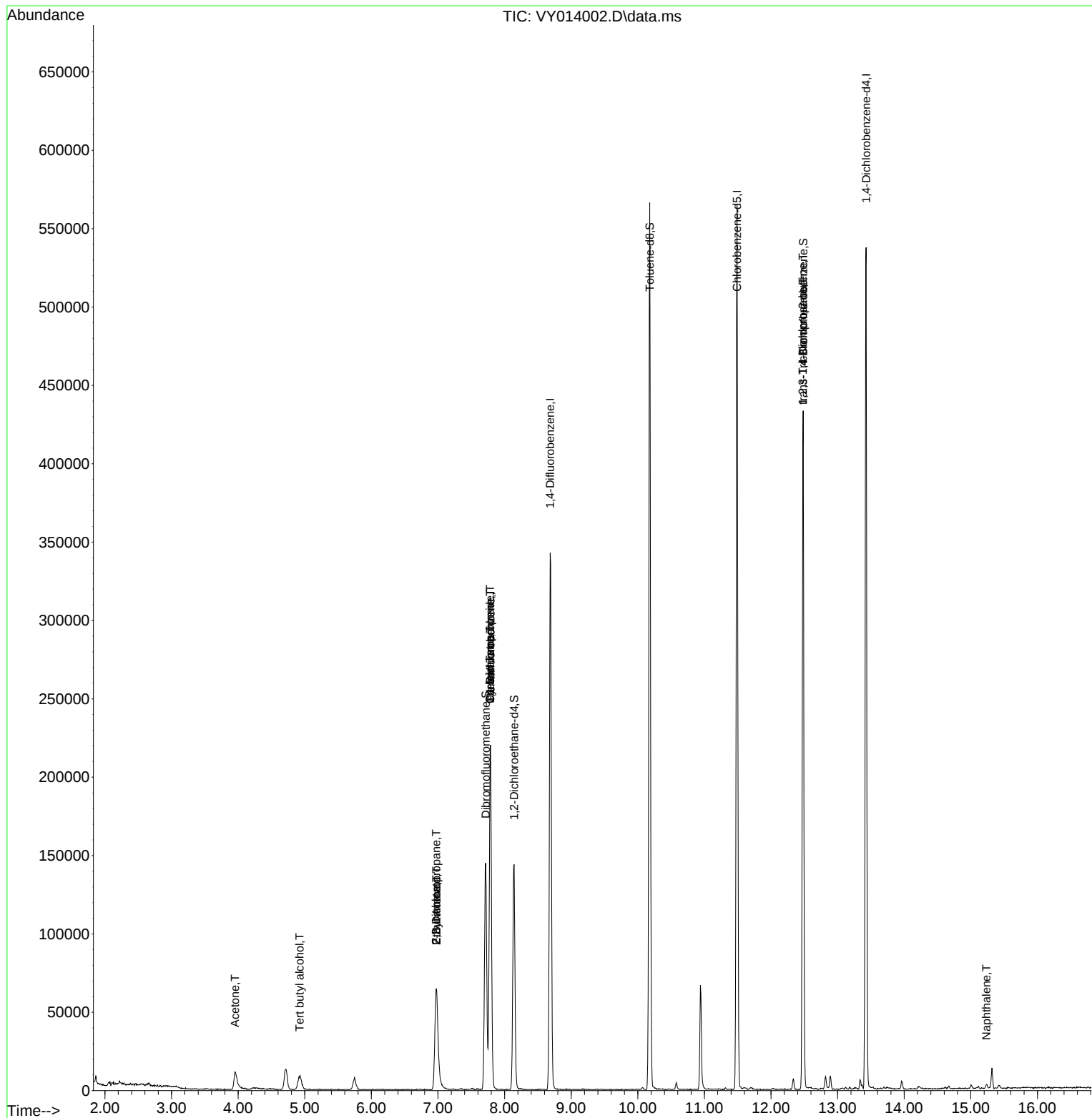
Internal Standards						
1) Pentafluorobenzene	7.789	168	172856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	287837	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	293266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	120127	52.498	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.000%	
35) Dibromofluoromethane	7.716	113	97893	53.516	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.040%	
50) Toluene-d8	10.179	98	358566	51.389	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.780%	
62) 4-Bromofluorobenzene	12.483	95	121353	51.015	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	9103	19.357	ug/l #	89
16) Acetone	3.954	43	26666	34.062	ug/l	97
25) 2-Butanone	6.978	43	4790	4.911	ug/l #	71
26) 2,2-Dichloropropane	6.972	77	5165	1.631	ug/l #	54
31) Cyclohexane	7.783	56	3984	1.446	ug/l #	44
36) 1,1-Dichloropropene	7.783	75	12814	4.917	ug/l #	50
37) Ethyl Acetate	6.978	43	4790	2.108	ug/l #	1
38) Carbon Tetrachloride	7.783	117	16262	5.569	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	68068	36.481	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	68068	77.394	ug/l #	11
95) Naphthalene	15.233	128	2705	4.266	ug/l	99

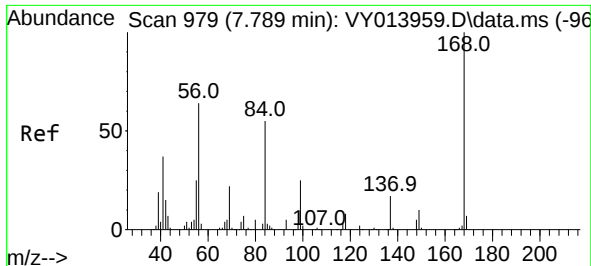
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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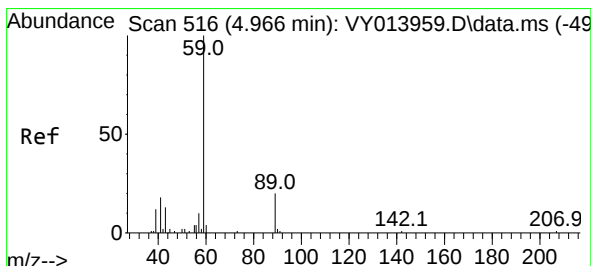
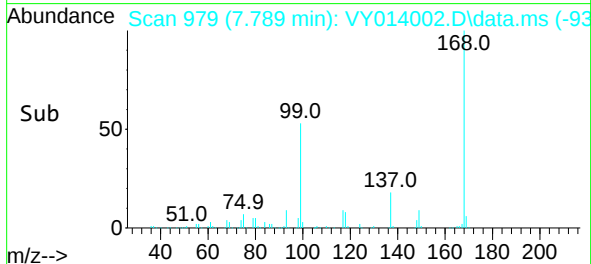
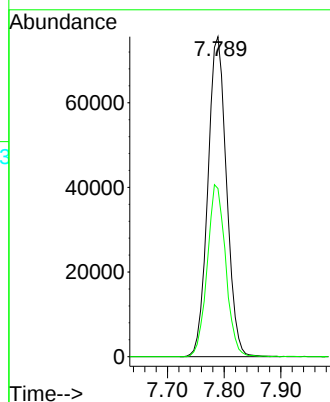
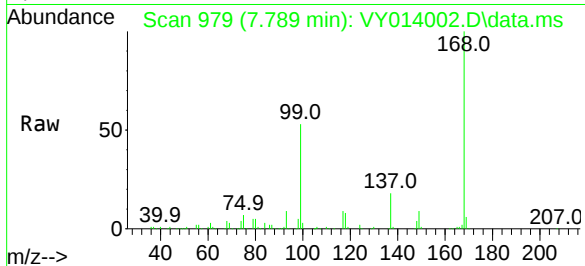




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014002.D
Acq: 05 Jun 2023 13:12

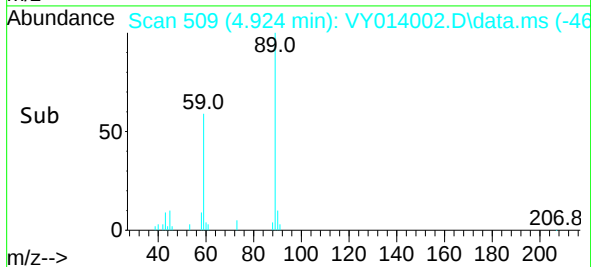
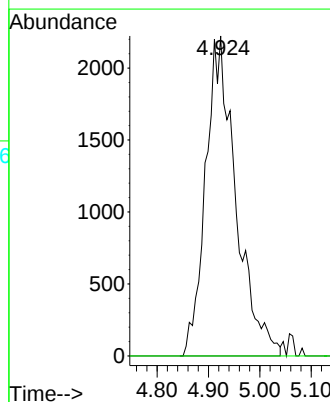
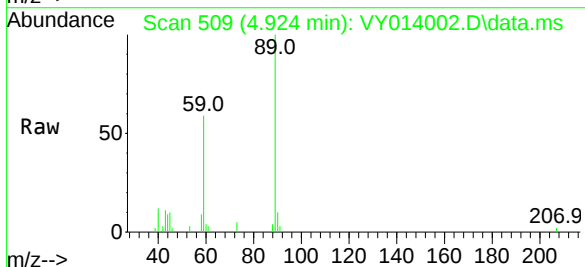
Instrument :
MSVOA_Y
ClientSampleId :
SB04

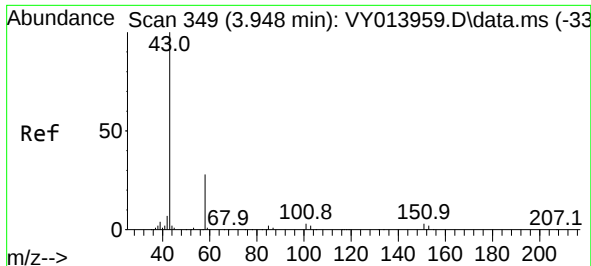
Tgt Ion:168 Resp: 172856
Ion Ratio Lower Upper
168 100
99 52.5 43.4 65.0



#11
Tert butyl alcohol
Concen: 19.357 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.042 min
Lab File: VY014002.D
Acq: 05 Jun 2023 13:12

Tgt Ion: 59 Resp: 9103
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

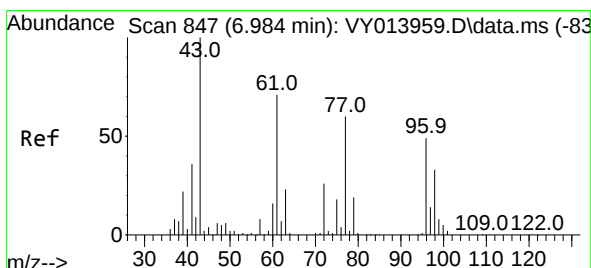
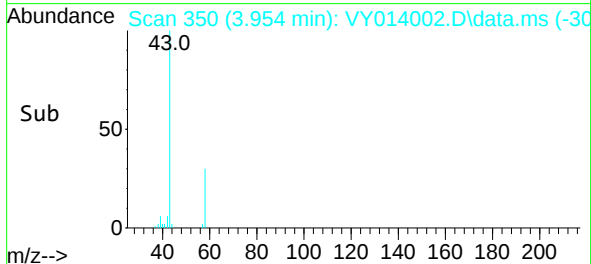
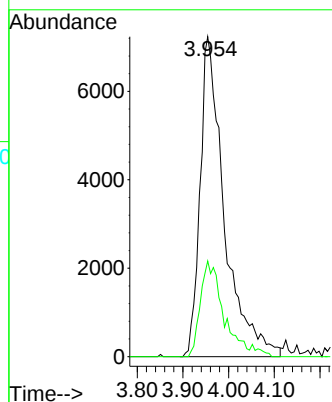
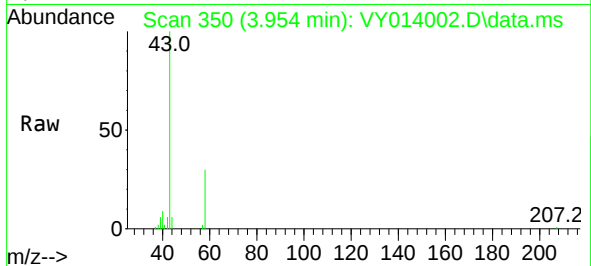




#16
Acetone
Concen: 34.062 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014002.D
Acq: 05 Jun 2023 13:12

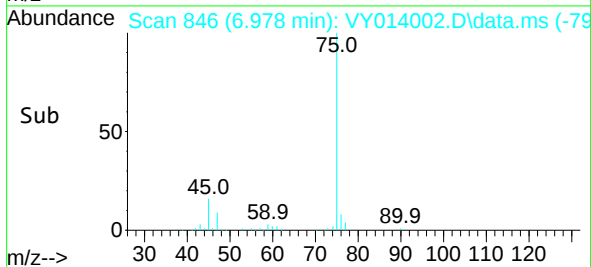
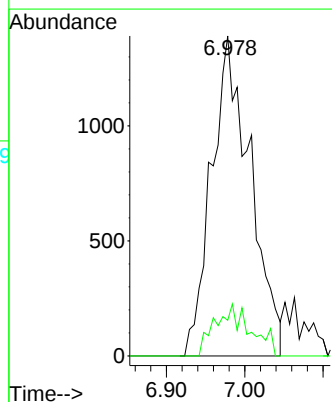
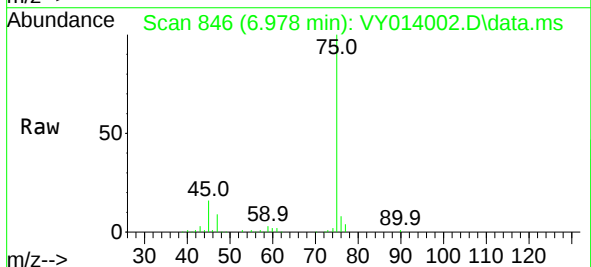
Instrument :
MSVOA_Y
ClientSampleId :
SB04

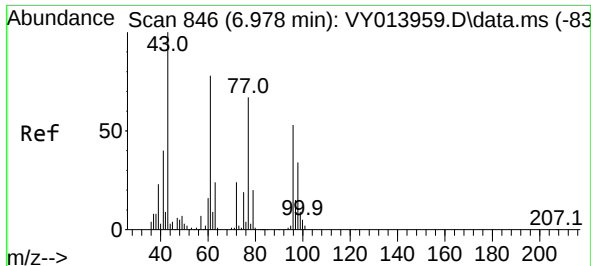
Tgt Ion: 43 Resp: 26666
Ion Ratio Lower Upper
43 100
58 29.9 22.7 34.1



#25
2-Butanone
Concen: 4.911 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014002.D
Acq: 05 Jun 2023 13:12

Tgt Ion: 43 Resp: 4790
Ion Ratio Lower Upper
43 100
72 11.1 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 1.631 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY014002.D

Acq: 05 Jun 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

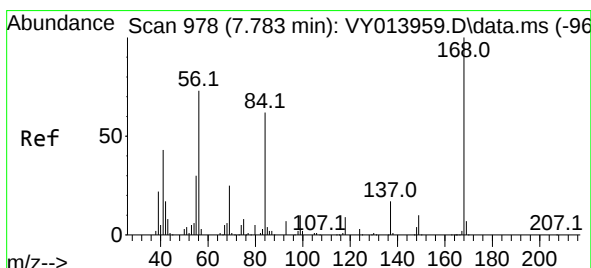
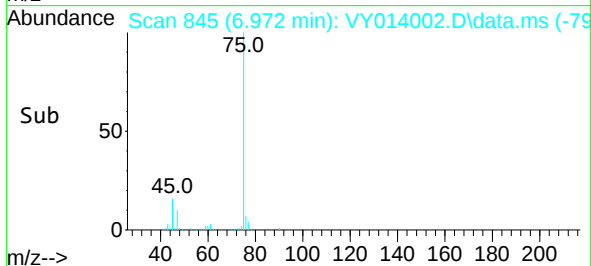
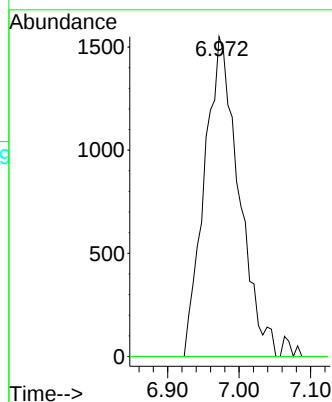
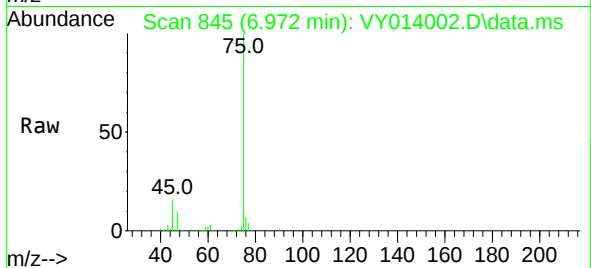
SB04

Tgt Ion: 77 Resp: 5165

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.446 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY014002.D

Acq: 05 Jun 2023 13:12

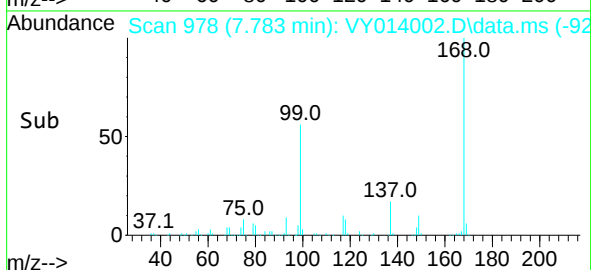
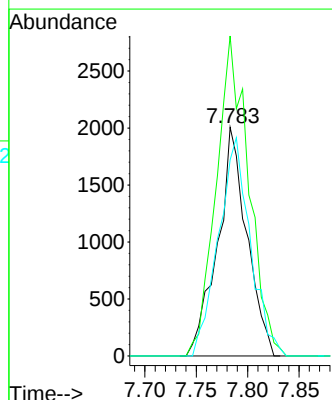
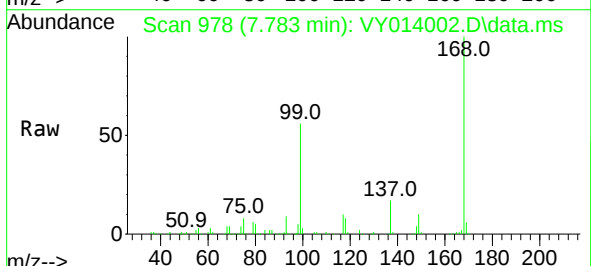
Tgt Ion: 56 Resp: 3984

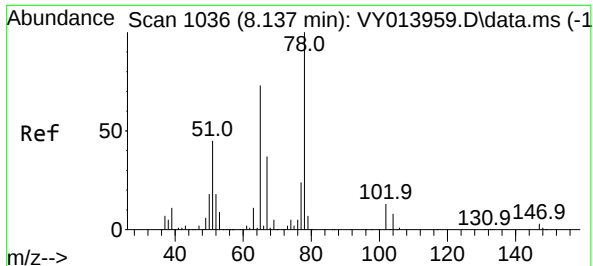
Ion Ratio Lower Upper

56 100

69 140.0 27.8 41.6#

84 85.7 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 52.498 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY014002.D

Acq: 05 Jun 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

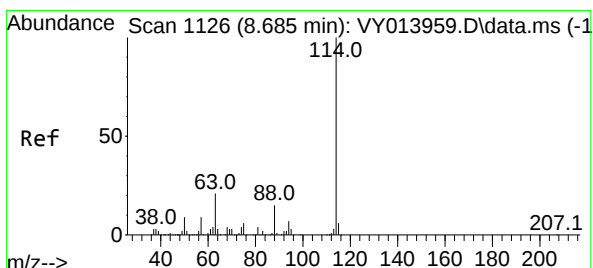
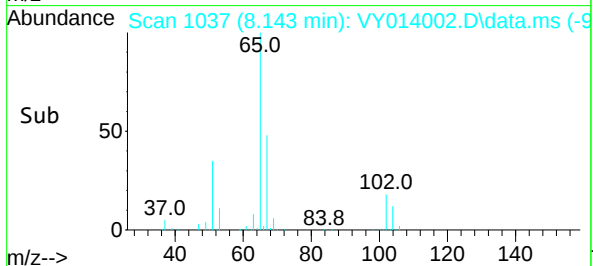
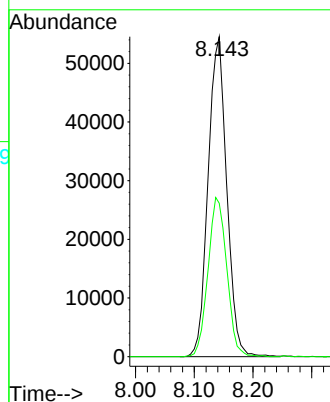
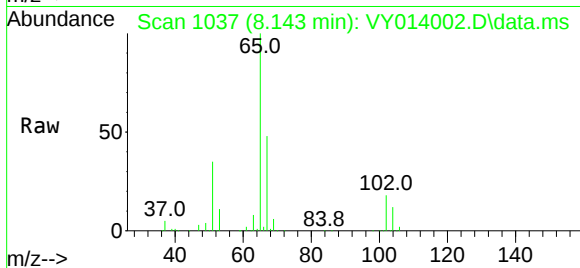
SB04

Tgt Ion: 65 Resp: 120127

Ion Ratio Lower Upper

65 100

67 50.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014002.D

Acq: 05 Jun 2023 13:12

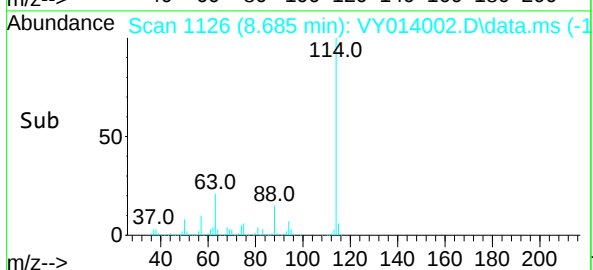
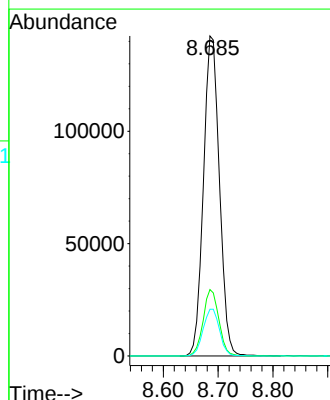
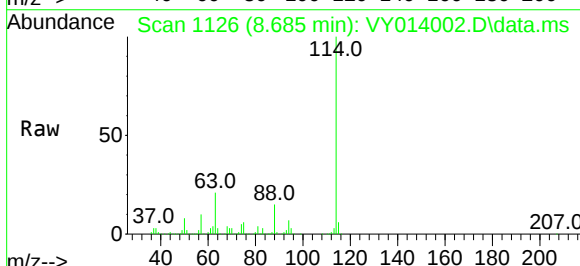
Tgt Ion: 114 Resp: 287837

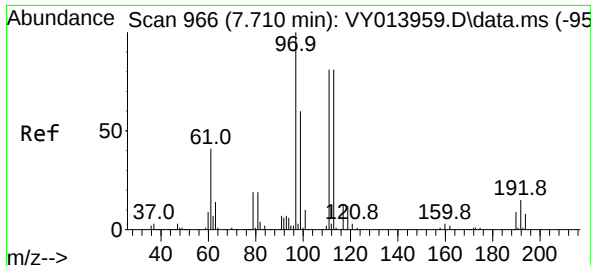
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.4

88 14.6 0.0 30.6

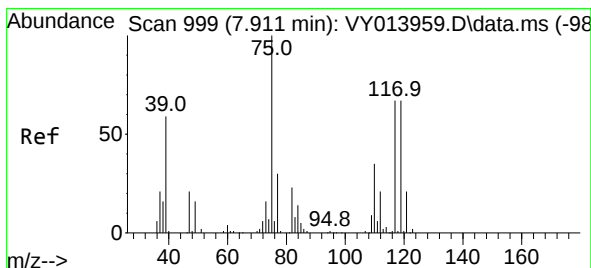
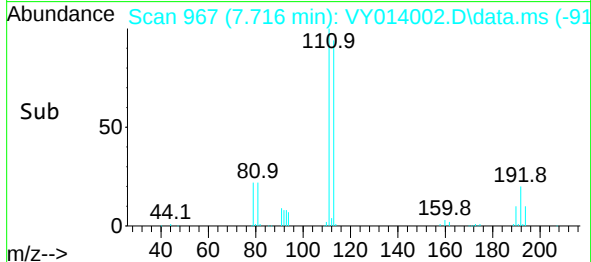
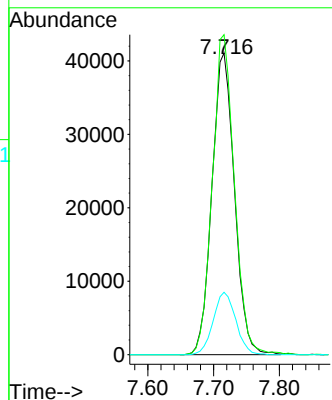
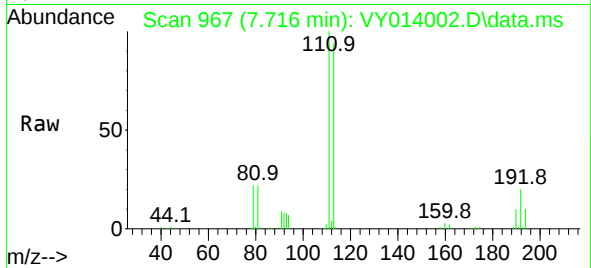




#35
Dibromofluoromethane
Concen: 53.516 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014002.D
Acq: 05 Jun 2023 13:12

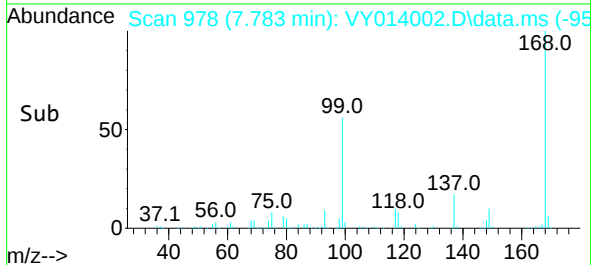
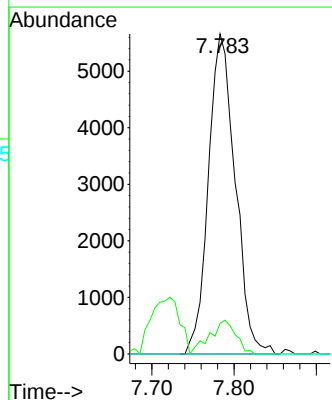
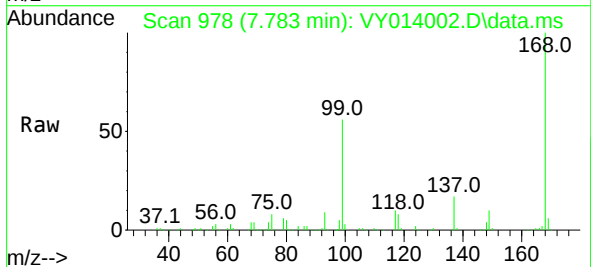
Instrument :
MSVOA_Y
ClientSampleId :
SB04

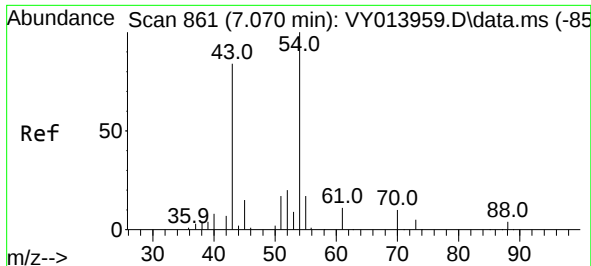
Tgt Ion:113 Resp: 97893
Ion Ratio Lower Upper
113 100
111 104.0 81.3 121.9
192 20.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014002.D
Acq: 05 Jun 2023 13:12

Tgt Ion: 75 Resp: 12814
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.108 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY014002.D

Acq: 05 Jun 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

SB04

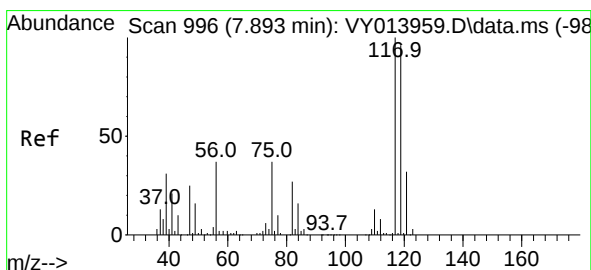
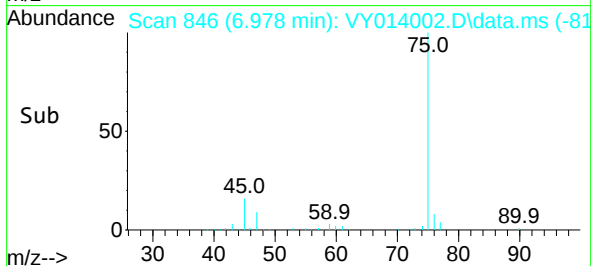
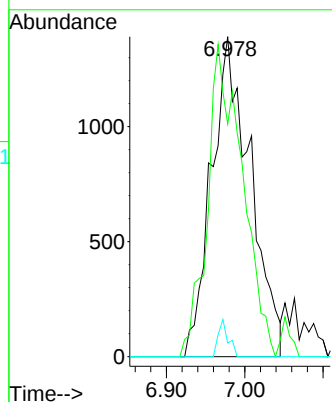
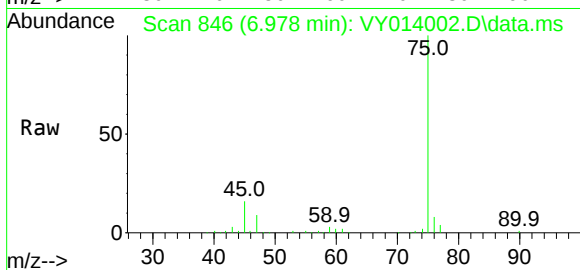
Tgt Ion: 43 Resp: 4790

Ion Ratio Lower Upper

43 100

61 87.3 10.1 15.1#

70 3.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.569 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY014002.D

Acq: 05 Jun 2023 13:12

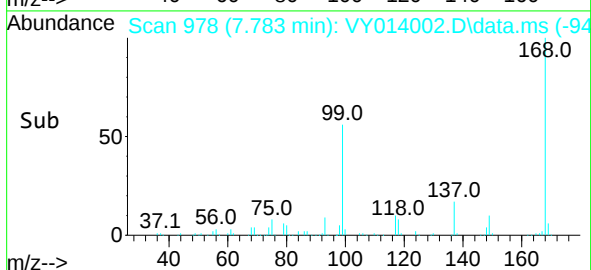
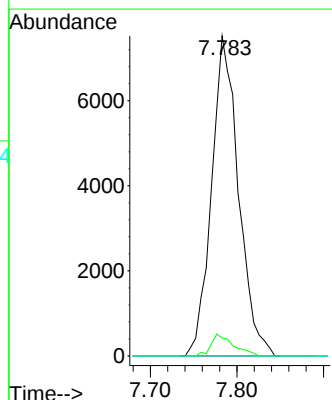
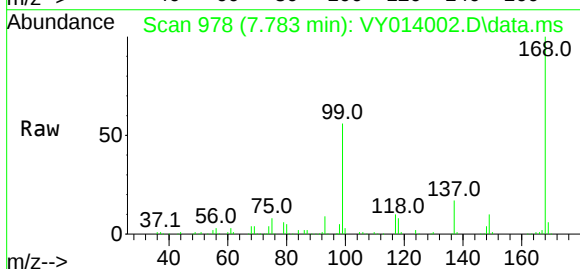
Tgt Ion: 117 Resp: 16262

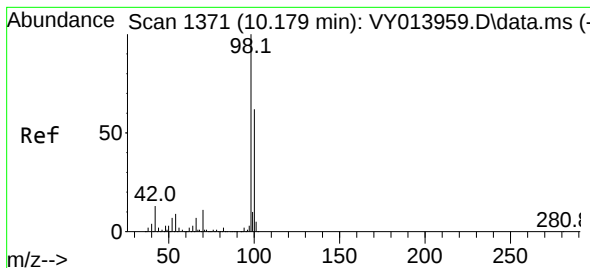
Ion Ratio Lower Upper

117 100

119 5.5 76.4 114.6#

121 0.0 25.8 38.6#

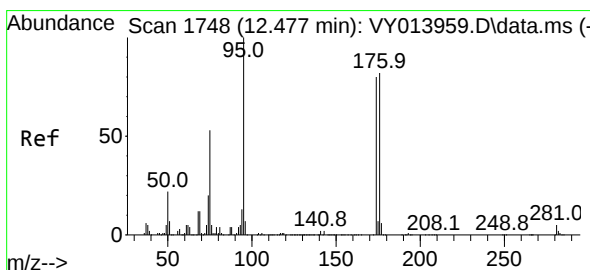
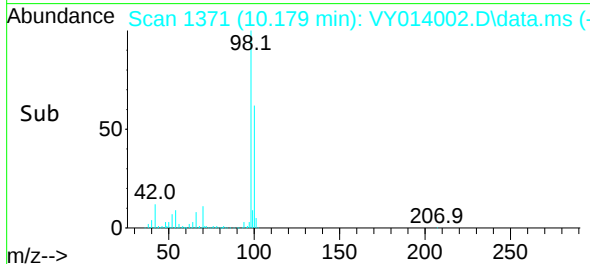
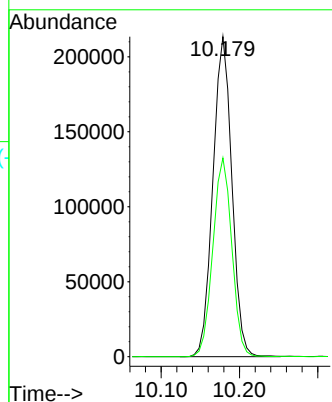
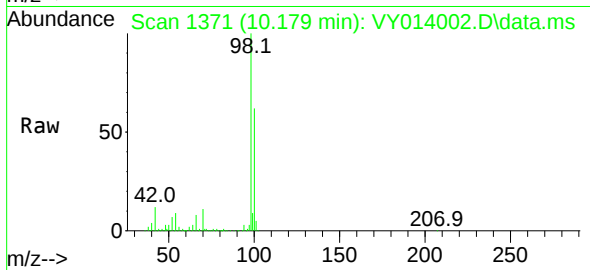




#50
Toluene-d8
Concen: 51.389 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014002.D
Acq: 05 Jun 2023 13:12

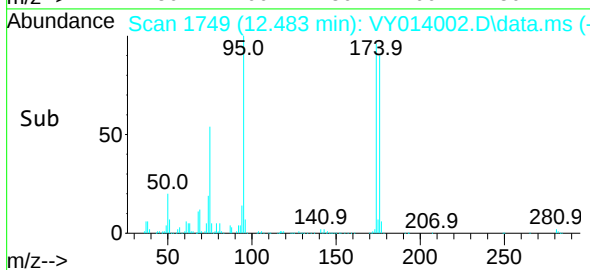
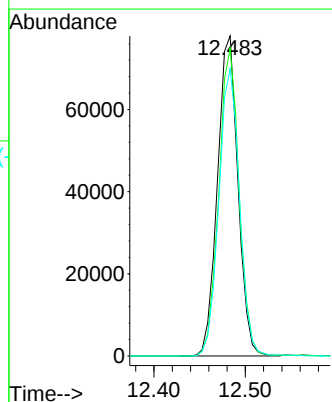
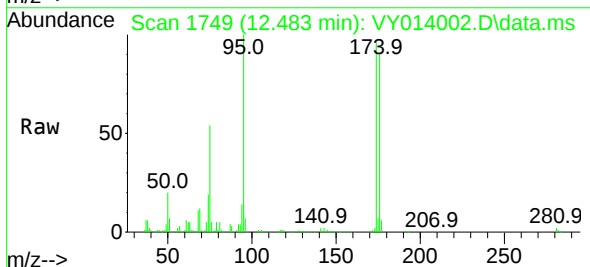
Instrument :
MSVOA_Y
ClientSampleId :
SB04

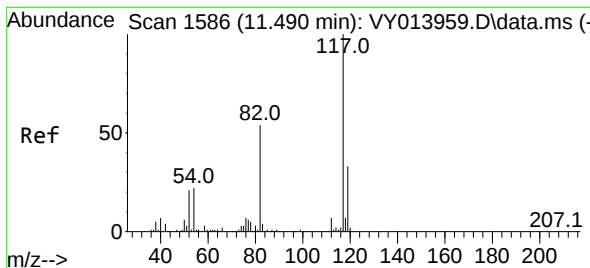
Tgt Ion: 98 Resp: 358566
Ion Ratio Lower Upper
98 100
100 62.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.015 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014002.D
Acq: 05 Jun 2023 13:12

Tgt Ion: 95 Resp: 121353
Ion Ratio Lower Upper
95 100
174 95.0 0.0 178.2
176 90.5 0.0 173.8

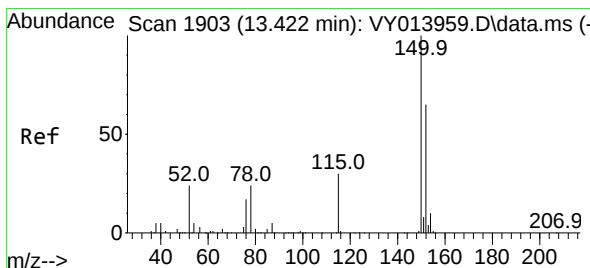
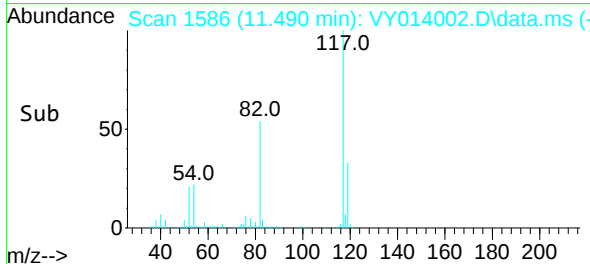
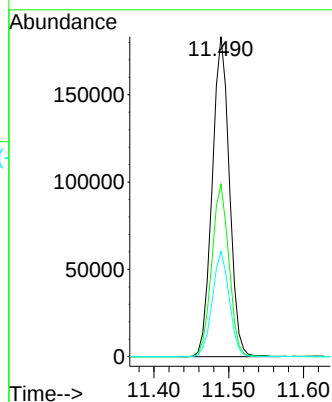
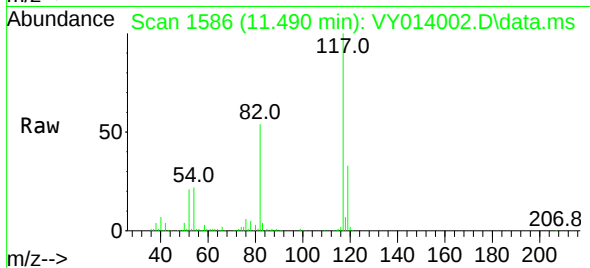




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014002.D
Acq: 05 Jun 2023 13:12

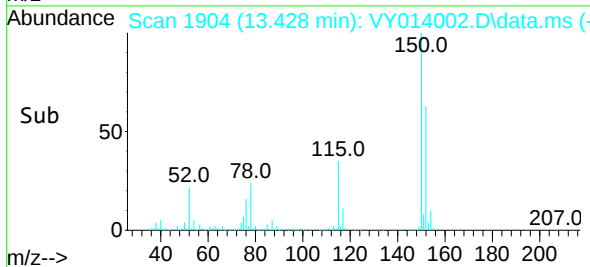
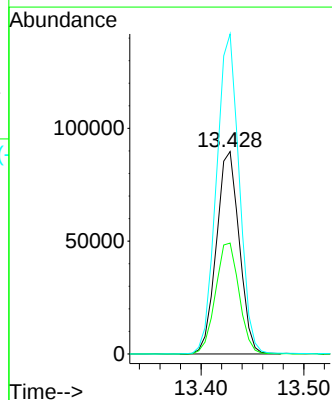
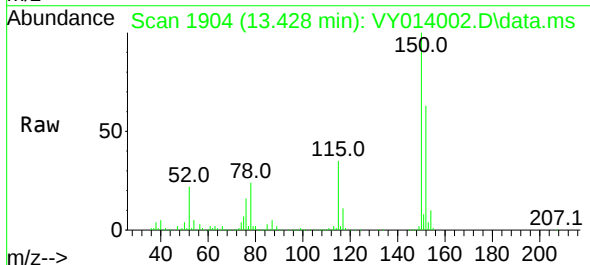
Instrument :
MSVOA_Y
ClientSampleId :
SB04

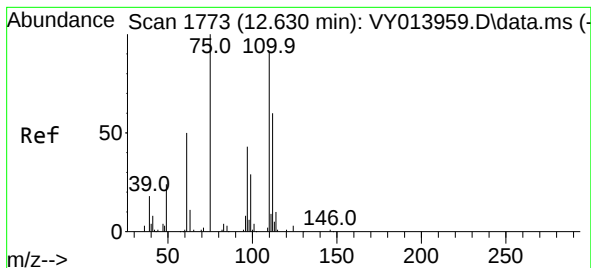
Tgt Ion:117 Resp: 293266
Ion Ratio Lower Upper
117 100
82 53.9 43.4 65.0
119 32.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014002.D
Acq: 05 Jun 2023 13:12

Tgt Ion:152 Resp: 138655
Ion Ratio Lower Upper
152 100
115 56.6 28.8 86.5
150 157.3 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 36.481 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY014002.D

Acq: 05 Jun 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

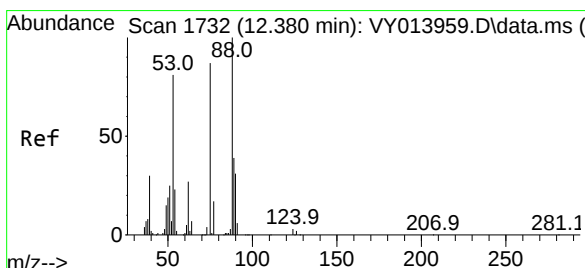
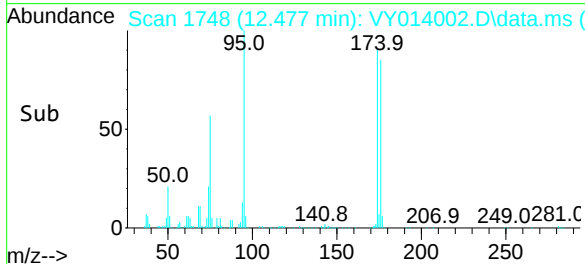
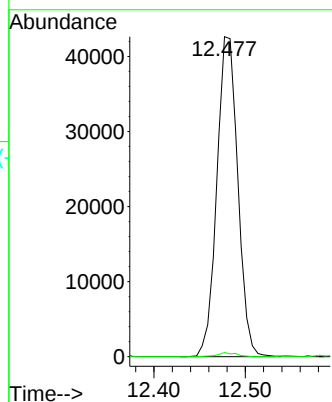
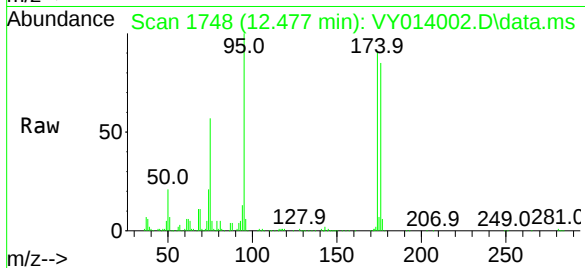
SB04

Tgt Ion: 75 Resp: 68068

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.394 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.097 min

Lab File: VY014002.D

Acq: 05 Jun 2023 13:12

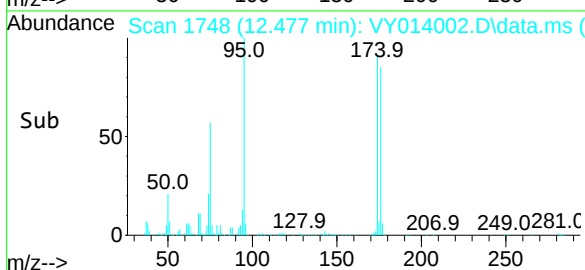
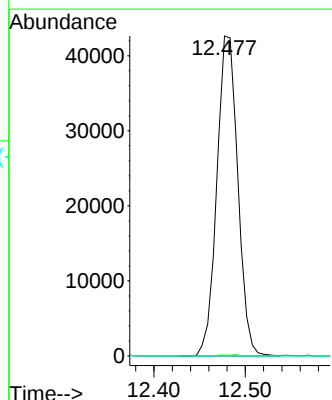
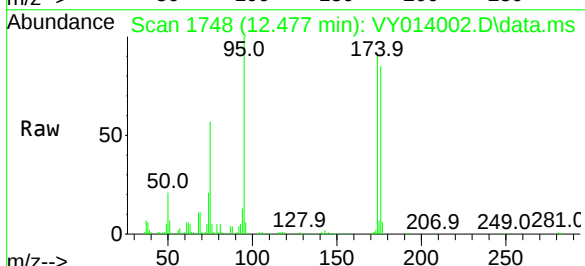
Tgt Ion: 75 Resp: 68068

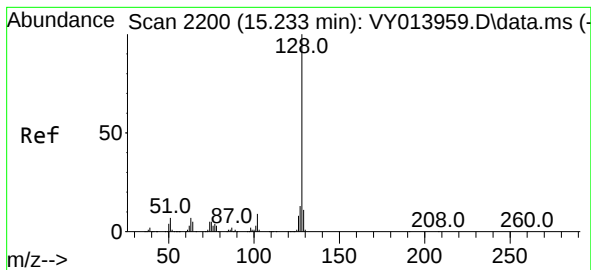
Ion Ratio Lower Upper

75 100

53 0.3 77.8 116.8#

89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 4.266 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY014002.D
Acq: 05 Jun 2023 13:12

Instrument :
MSVOA_Y
ClientSampleId :
SB04

Tgt Ion:128 Resp: 2705
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 11.0 8.6 13.0

