

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081122\
 Data File : VY009974.D
 Acq On : 11 Aug 2022 19:18
 Operator : KP/MD
 Sample : N4064-06RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-14RE

Quant Time: Aug 12 02:50:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 17:37:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.776	168	23983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	48832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	51874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	24211	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	11870	65.375	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	130.760%
35) Dibromofluoromethane	7.703	113	10802	38.446	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.900%
50) Toluene-d8	10.172	98	35979	42.969	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	85.940%
62) 4-Bromofluorobenzene	12.477	95	11407	28.879	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	57.760%

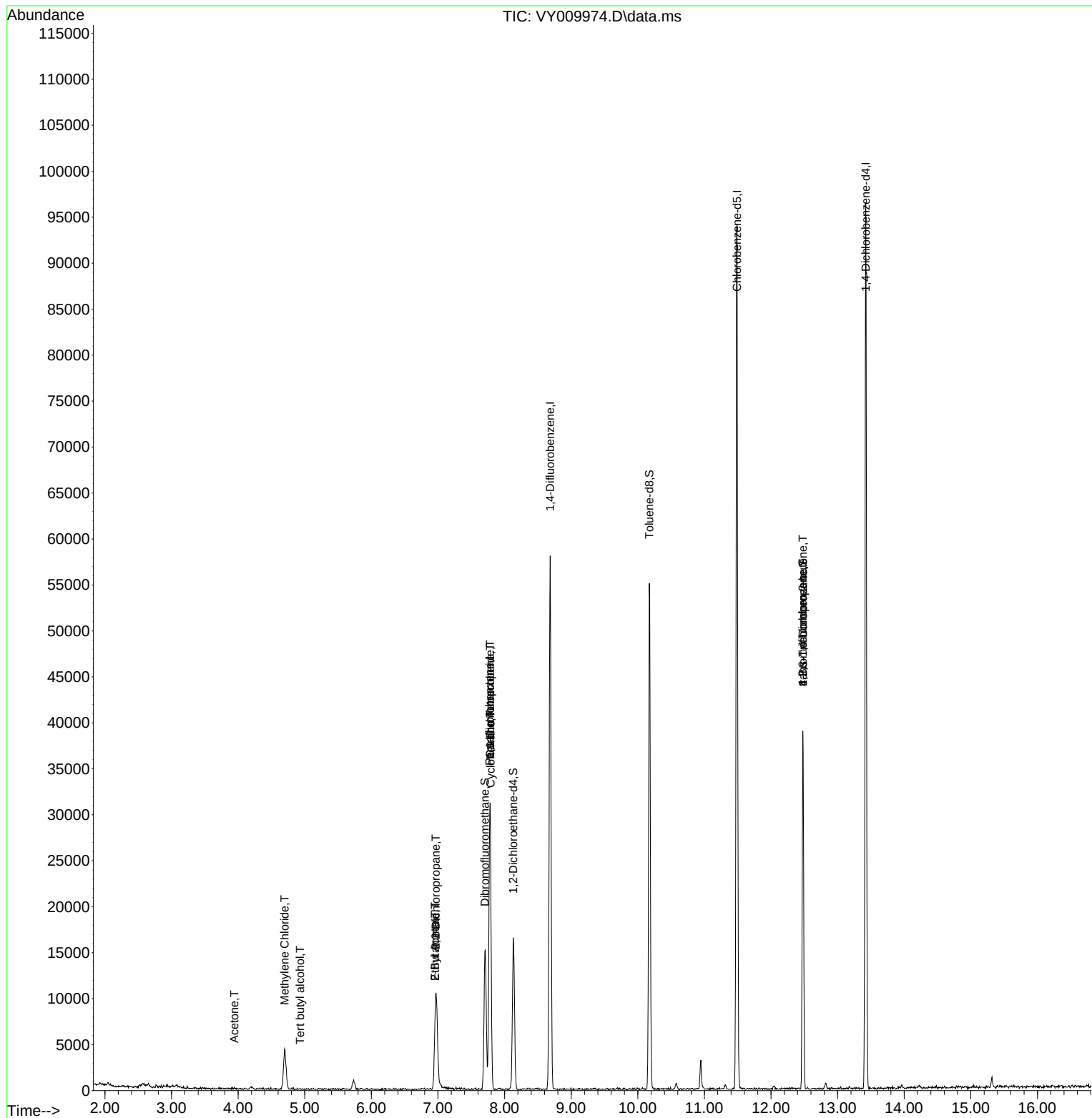
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.655	94	47	Below Cal	#	60
11) Tert butyl alcohol	4.929	59	38	1.622	ug/l #	78
16) Acetone	3.942	43	160	2.652	ug/l #	45
18) Methyl Acetate	4.192	43	66	Below Cal	#	52
20) Methylene Chloride	4.698	84	2969	6.262	ug/l	87
25) 2-Butanone	6.953	43	590	5.714	ug/l #	48
26) 2,2-Dichloropropane	6.966	77	841	2.028	ug/l #	52
31) Cyclohexane	7.789	56	563	1.096	ug/l #	18
36) 1,1-Dichloropropene	7.783	75	2024	4.138	ug/l #	47
37) Ethyl Acetate	6.953	43	590	2.065	ug/l #	7
38) Carbon Tetrachloride	7.783	117	2543	5.428	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	5761	22.289	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5761	43.386	ug/l #	13

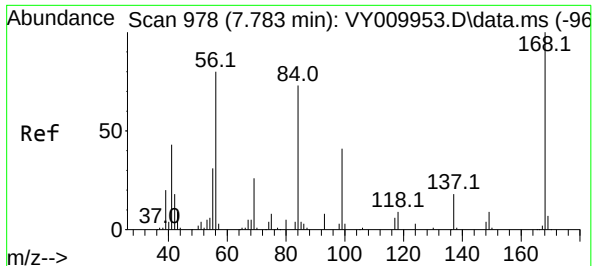
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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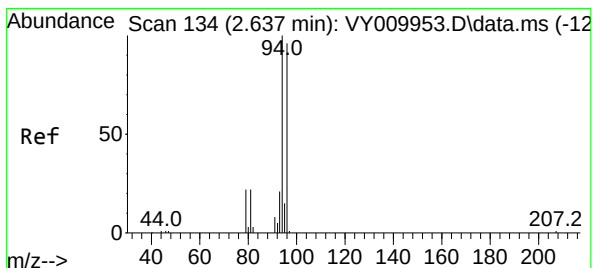
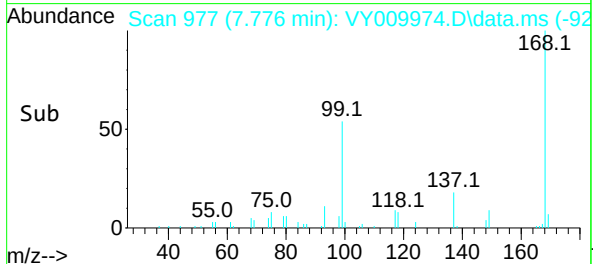
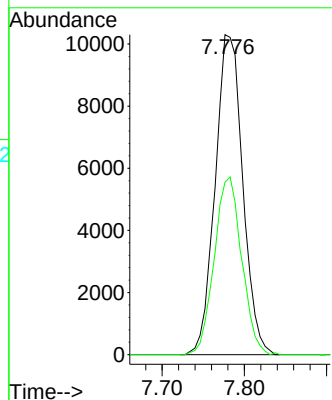
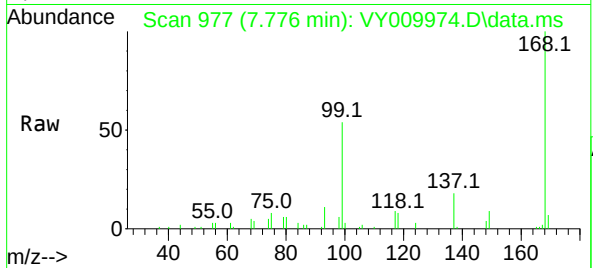




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY009974.D
Acq: 11 Aug 2022 19:18

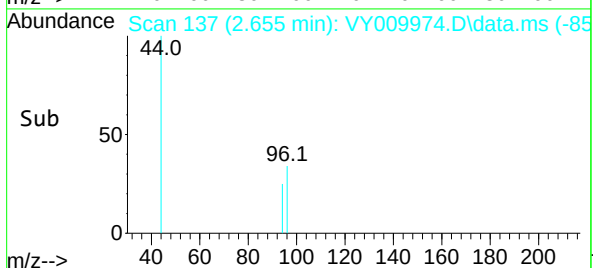
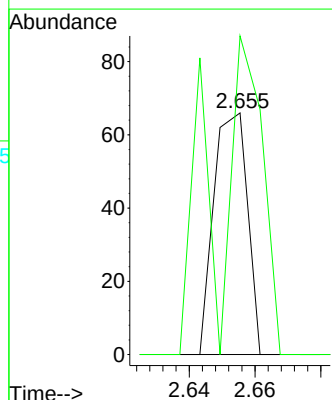
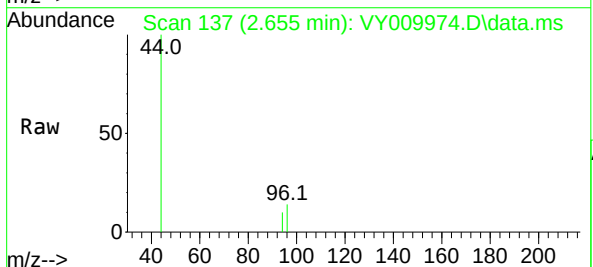
Instrument :
MSVOA_Y
ClientSampleId :
SB-14RE

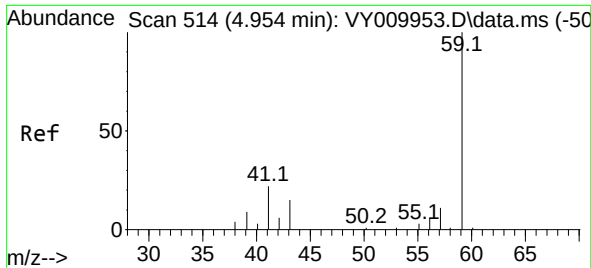
Tgt Ion:168 Resp: 23983
Ion Ratio Lower Upper
168 100
99 53.9 42.1 63.1



#5
Bromomethane
Concen: Below Cal
RT: 2.655 min Scan# 137
Delta R.T. 0.018 min
Lab File: VY009974.D
Acq: 11 Aug 2022 19:18

Tgt Ion: 94 Resp: 47
Ion Ratio Lower Upper
94 100
96 131.8 74.6 111.8#

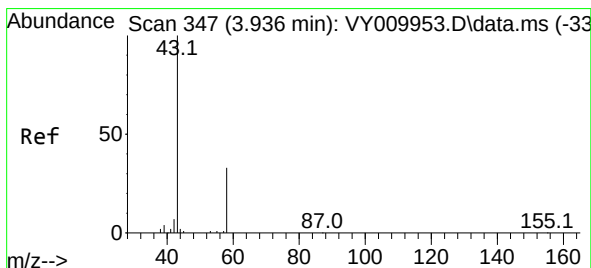
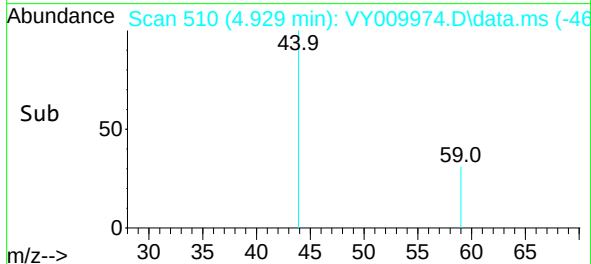
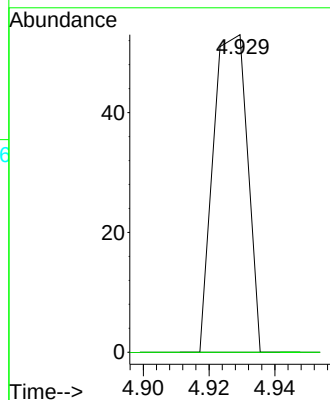
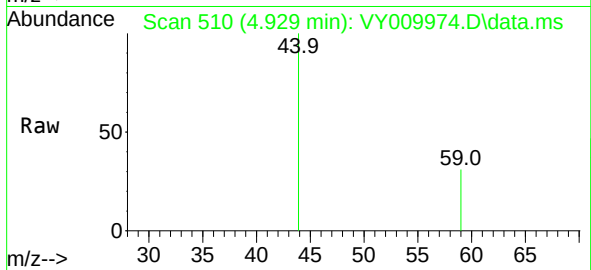




#11
Tert butyl alcohol
Concen: 1.622 ug/l
RT: 4.929 min Scan# 51
Delta R.T. -0.025 min
Lab File: VY009974.D
Acq: 11 Aug 2022 19:18

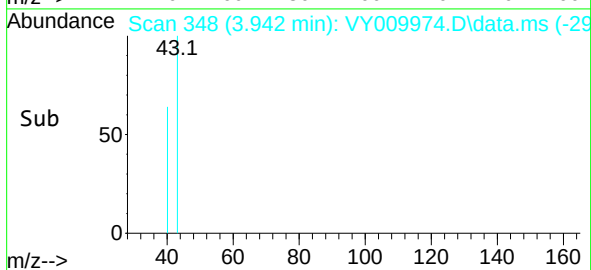
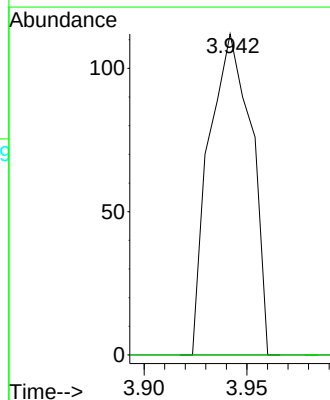
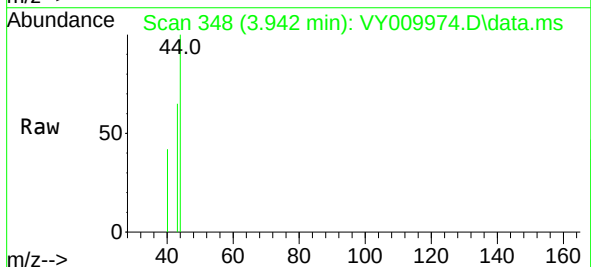
Instrument :
MSVOA_Y
ClientSampleId :
SB-14RE

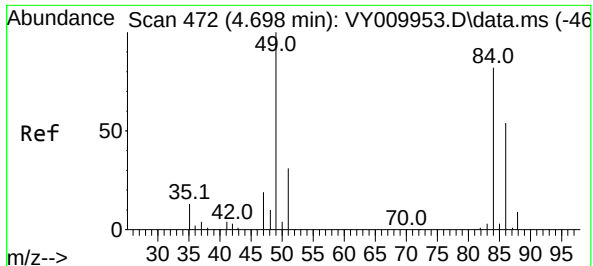
Tgt Ion: 59 Resp: 38
Ion Ratio Lower Upper
59 100
57 0.0 6.3 9.5#



#16
Acetone
Concen: 2.652 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY009974.D
Acq: 11 Aug 2022 19:18

Tgt Ion: 43 Resp: 160
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#





#20

Methylene Chloride

Concen: 6.262 ug/l

RT: 4.698 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY009974.D

Acq: 11 Aug 2022 19:18

Instrument :

MSVOA_Y

ClientSampleId :

SB-14RE

Tgt Ion: 84 Resp: 2969

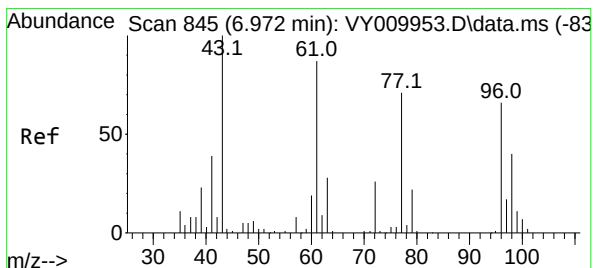
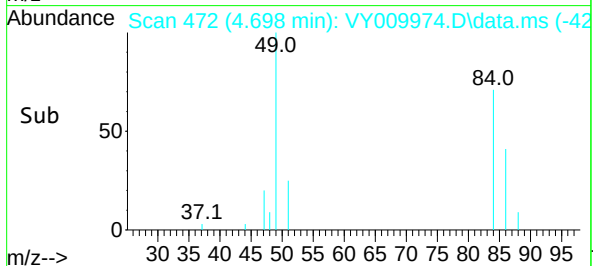
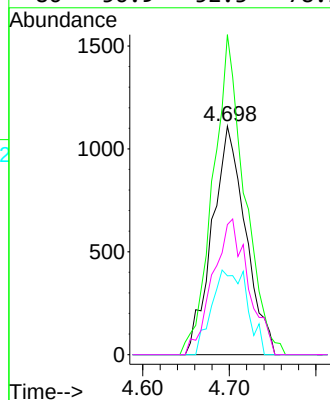
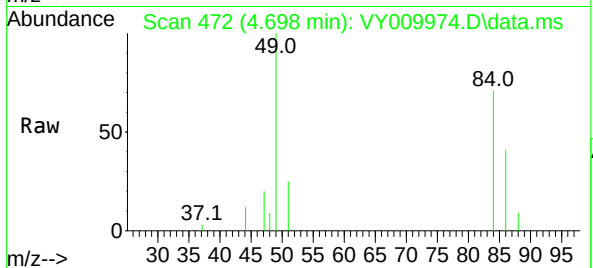
Ion Ratio Lower Upper

84 100

49 140.1 98.2 147.4

51 34.5 33.4 50.0

86 56.9 52.3 78.5



#25

2-Butanone

Concen: 5.714 ug/l

RT: 6.953 min Scan# 842

Delta R.T. -0.019 min

Lab File: VY009974.D

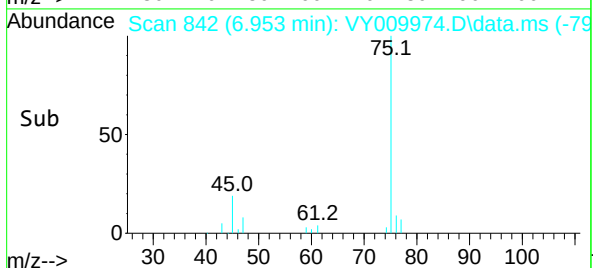
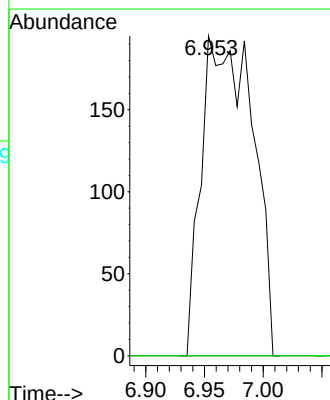
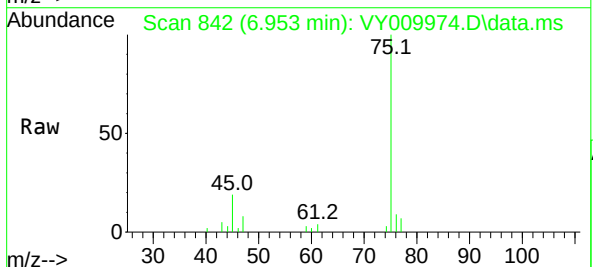
Acq: 11 Aug 2022 19:18

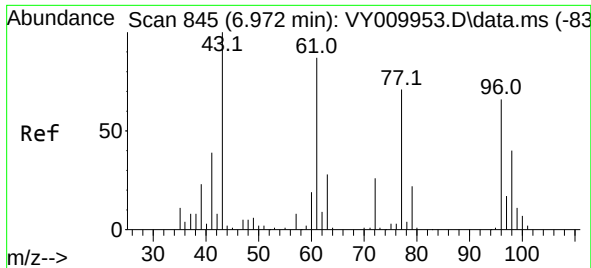
Tgt Ion: 43 Resp: 590

Ion Ratio Lower Upper

43 100

72 0.0 21.5 32.3#





#26

2,2-Dichloropropane

Concen: 2.028 ug/l

RT: 6.966 min Scan# 841

Delta R.T. -0.006 min

Lab File: VY009974.D

Acq: 11 Aug 2022 19:18

Instrument :

MSVOA_Y

ClientSampleId :

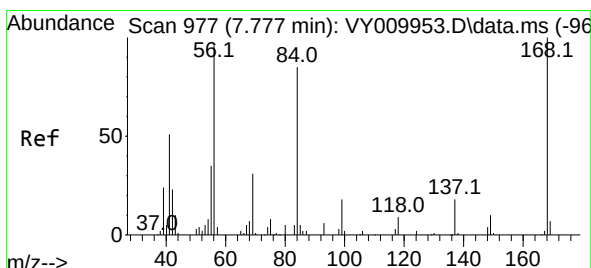
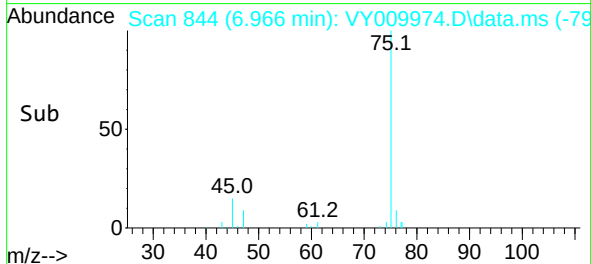
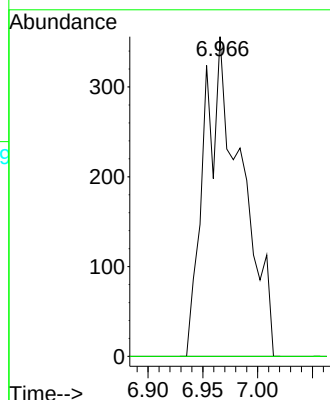
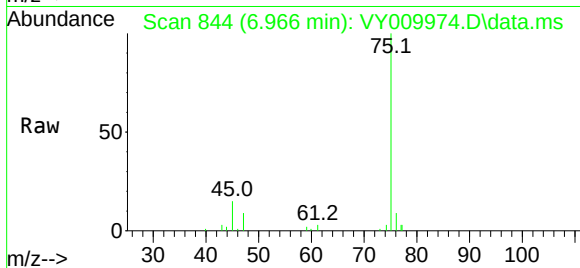
SB-14RE

Tgt Ion: 77 Resp: 841

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



#31

Cyclohexane

Concen: 1.096 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.012 min

Lab File: VY009974.D

Acq: 11 Aug 2022 19:18

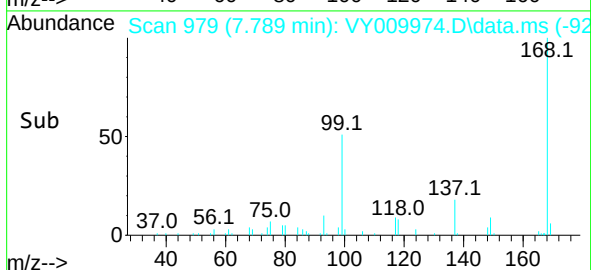
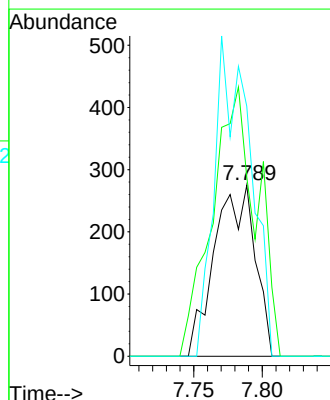
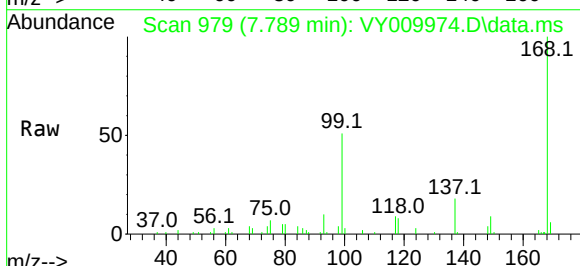
Tgt Ion: 56 Resp: 563

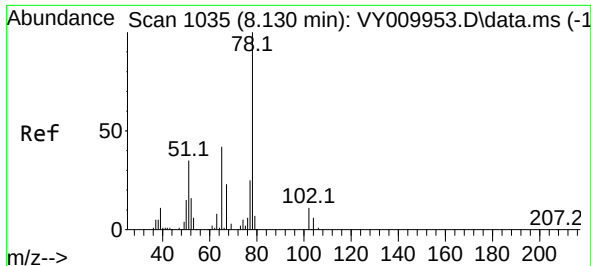
Ion Ratio Lower Upper

56 100

69 104.7 26.0 39.0#

84 146.2 69.5 104.3#





#33

1,2-Dichloroethane-d4

Concen: 65.375 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VY009974.D

Acq: 11 Aug 2022 19:18

Instrument :

MSVOA_Y

ClientSampleId :

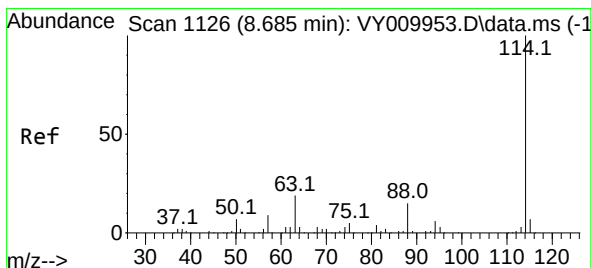
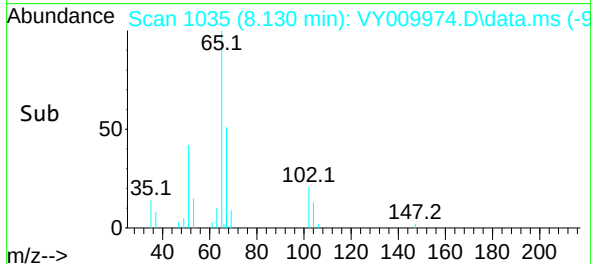
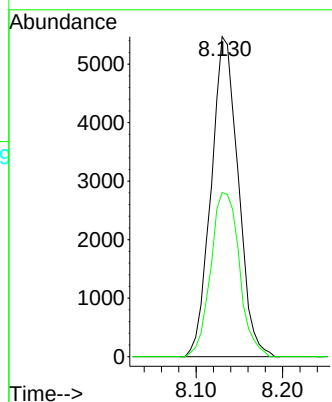
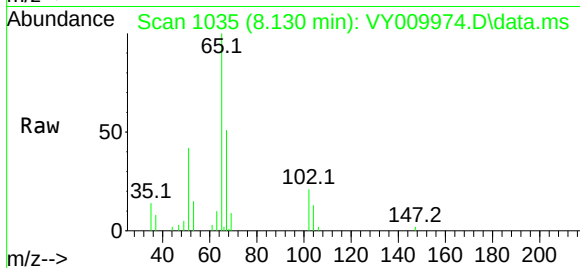
SB-14RE

Tgt Ion: 65 Resp: 11870

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009974.D

Acq: 11 Aug 2022 19:18

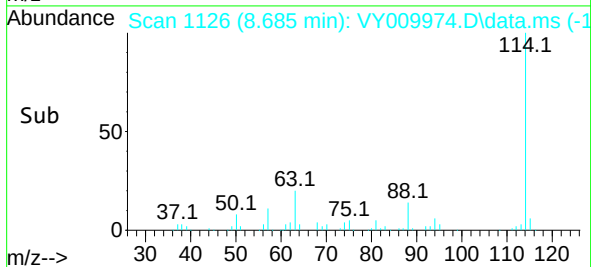
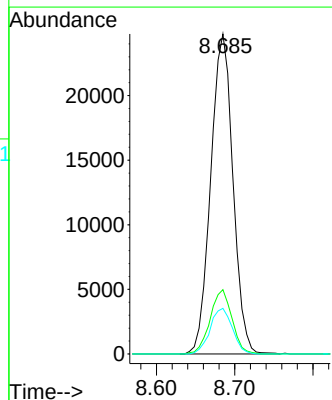
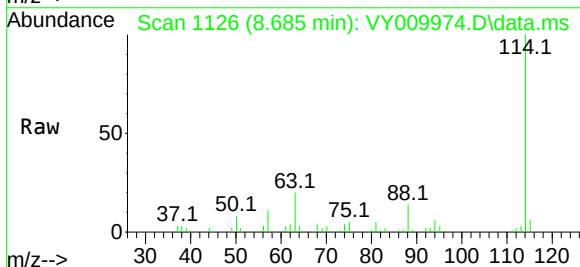
Tgt Ion: 114 Resp: 48832

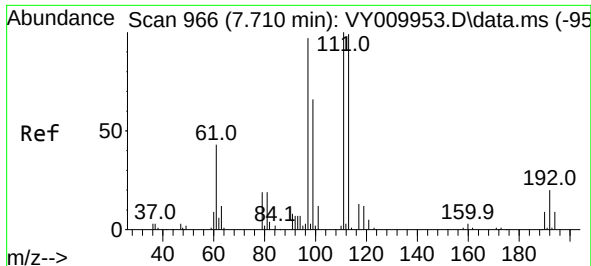
Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.0

88 14.3 0.0 30.0

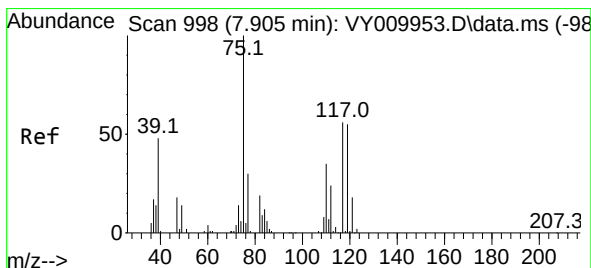
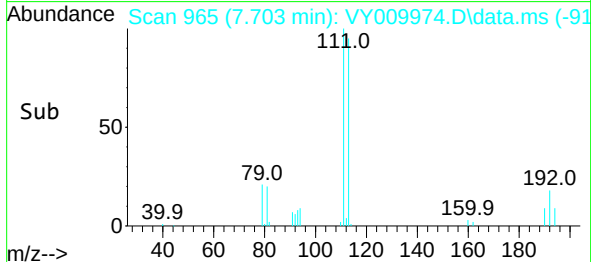
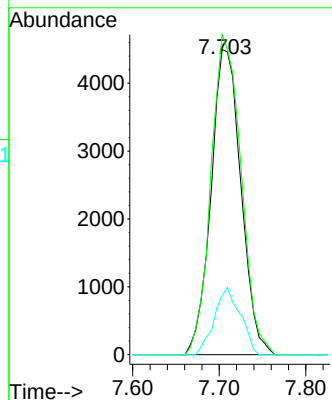
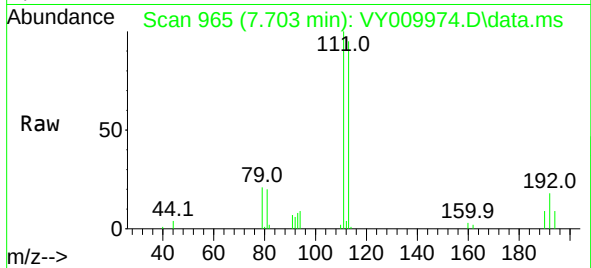




#35
Dibromofluoromethane
Concen: 38.446 ug/l
RT: 7.703 min Scan# 911
Delta R.T. -0.007 min
Lab File: VY009974.D
Acq: 11 Aug 2022 19:18

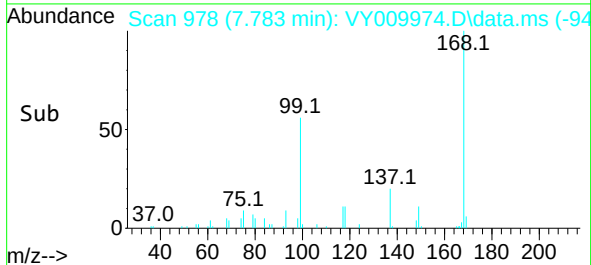
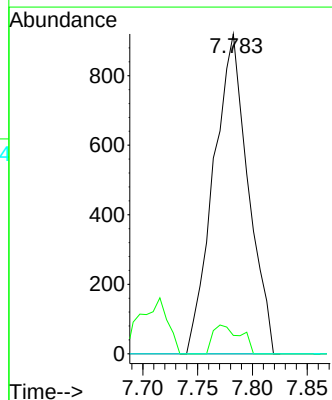
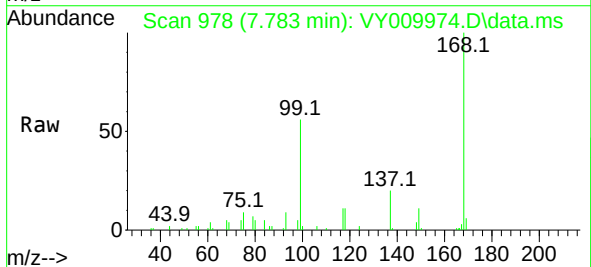
Instrument :
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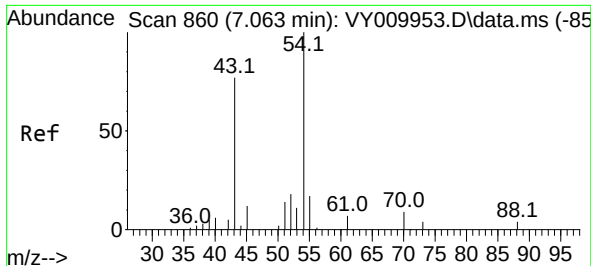
Tgt Ion:113 Resp: 10802
Ion Ratio Lower Upper
113 100
111 105.4 80.6 120.8
192 19.1 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.138 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY009974.D
Acq: 11 Aug 2022 19:18

Tgt Ion: 75 Resp: 2024
Ion Ratio Lower Upper
75 100
110 7.1 18.6 56.0#
77 0.0 25.0 37.4#

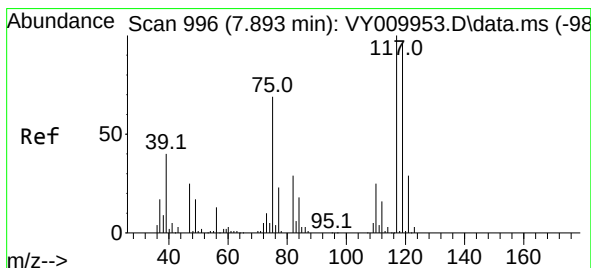
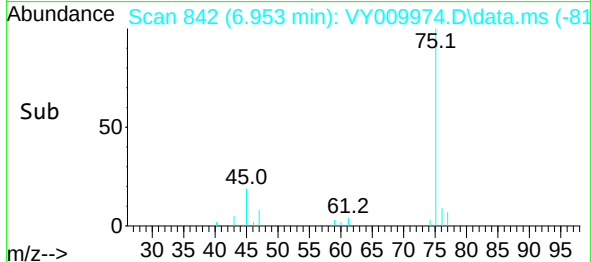
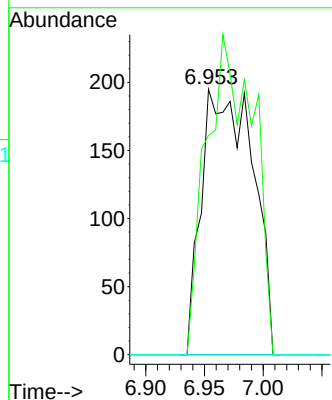
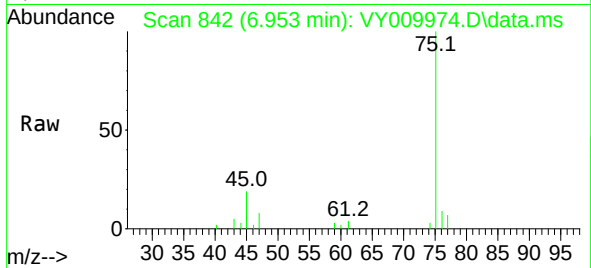




#37
Ethyl Acetate
Concen: 2.065 ug/l
RT: 6.953 min Scan# 841
Delta R.T. -0.110 min
Lab File: VY009974.D
Acq: 11 Aug 2022 19:18

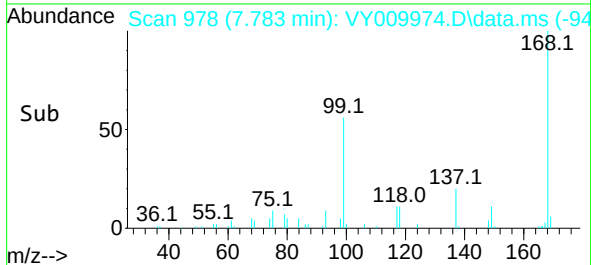
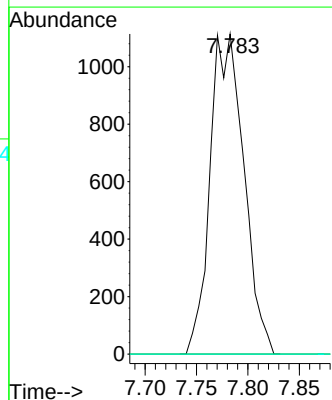
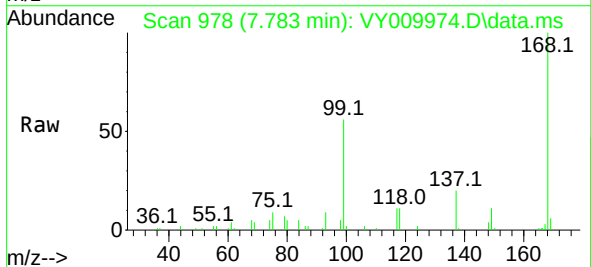
Instrument :
MSVOA_Y
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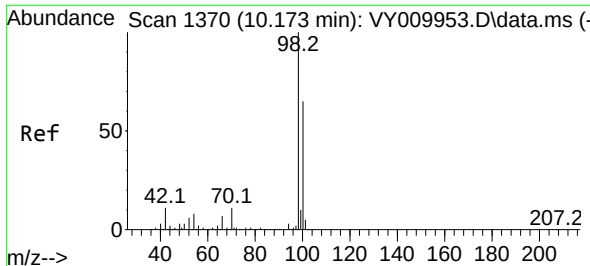
Tgt Ion: 43 Resp: 590
Ion Ratio Lower Upper
43 100
61 71.4 11.2 16.8#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 5.428 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY009974.D
Acq: 11 Aug 2022 19:18

Tgt Ion: 117 Resp: 2543
Ion Ratio Lower Upper
117 100
119 0.0 75.9 113.9#
121 0.0 24.9 37.3#

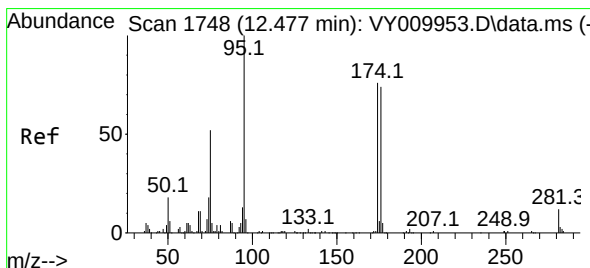
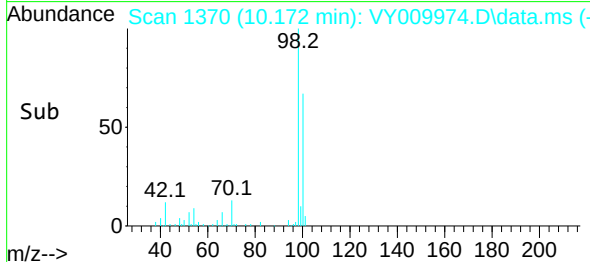
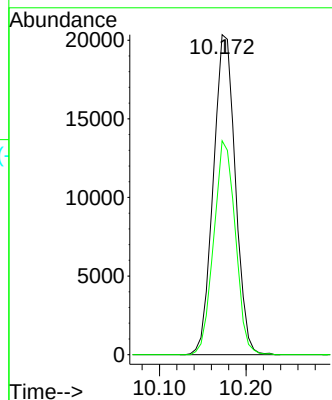
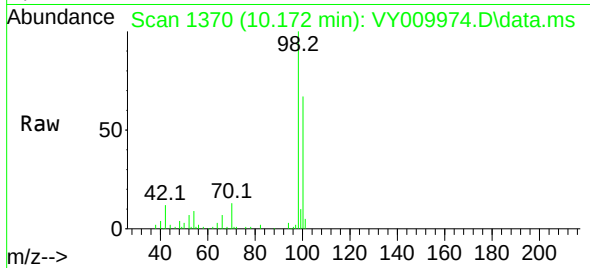




#50
Toluene-d8
Concen: 42.969 ug/l
RT: 10.172 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY009974.D
Acq: 11 Aug 2022 19:18

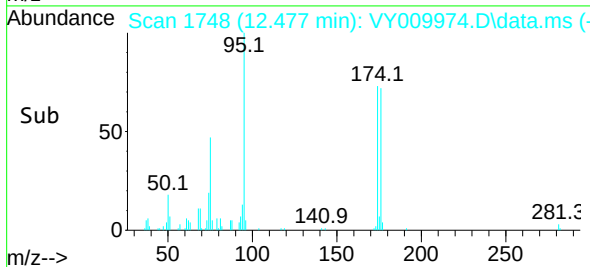
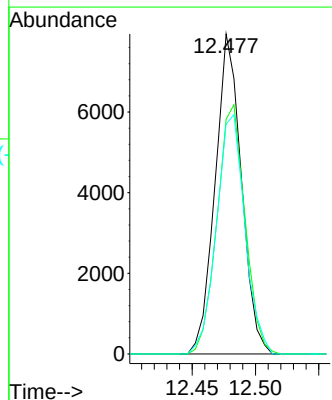
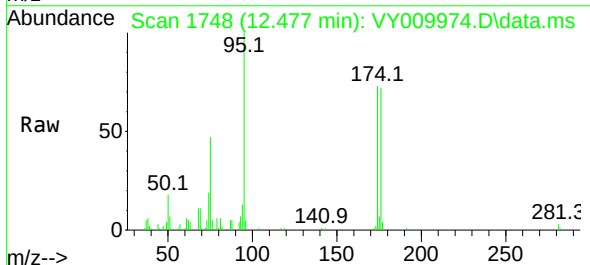
Instrument :
MSVOA_Y
ClientSampleId :
SB-14RE

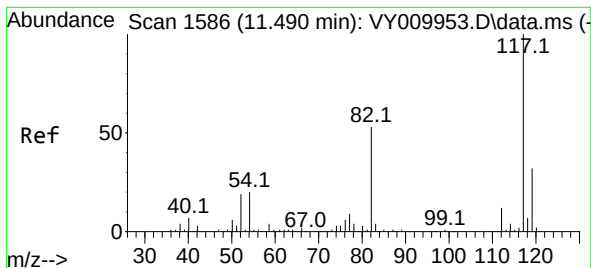
Tgt Ion: 98 Resp: 35979
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 28.879 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009974.D
Acq: 11 Aug 2022 19:18

Tgt Ion: 95 Resp: 11407
Ion Ratio Lower Upper
95 100
174 83.3 0.0 173.8
176 81.1 0.0 167.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY009974.D

Acq: 11 Aug 2022 19:18

Instrument :

MSVOA_Y

ClientSampleId :

SB-14RE

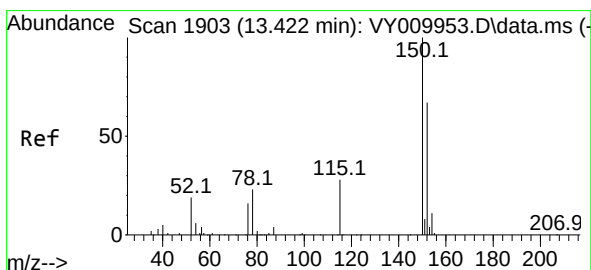
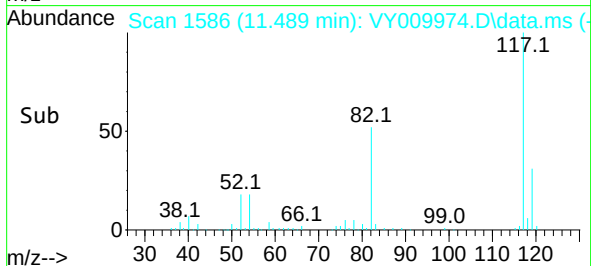
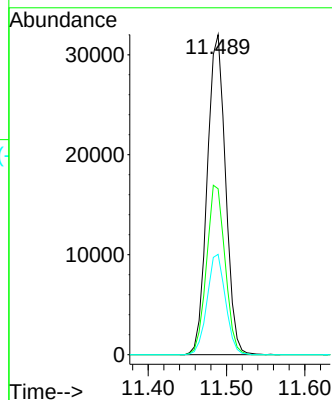
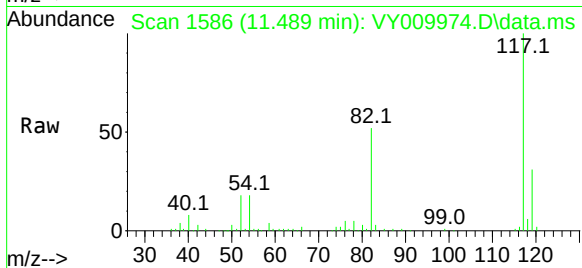
Tgt Ion:117 Resp: 51874

Ion Ratio Lower Upper

117 100

82 51.8 41.8 62.6

119 31.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY009974.D

Acq: 11 Aug 2022 19:18

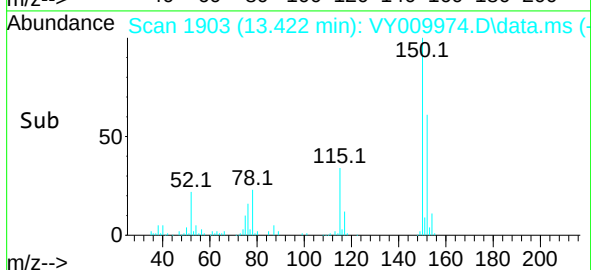
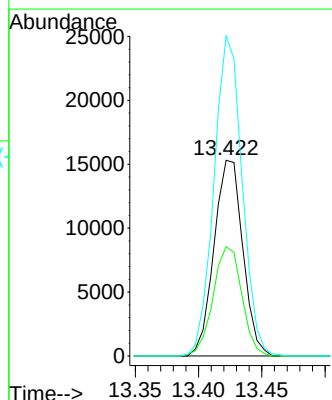
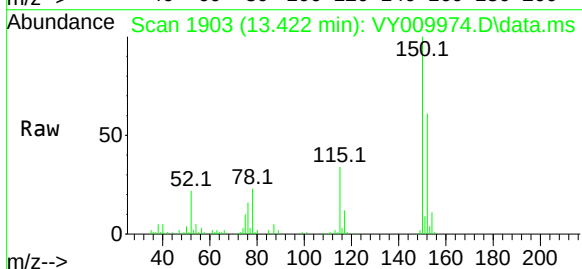
Tgt Ion:152 Resp: 24211

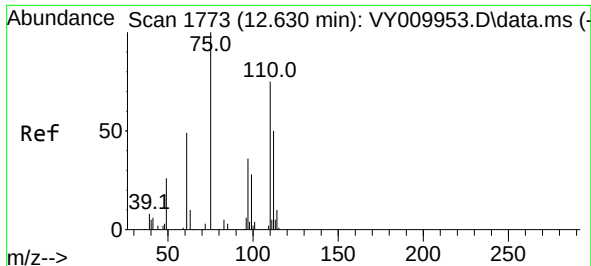
Ion Ratio Lower Upper

152 100

115 55.7 28.6 85.9

150 160.1 0.0 349.8

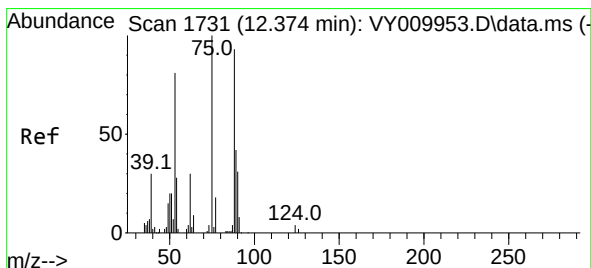
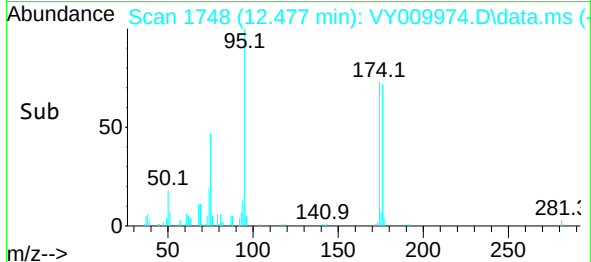
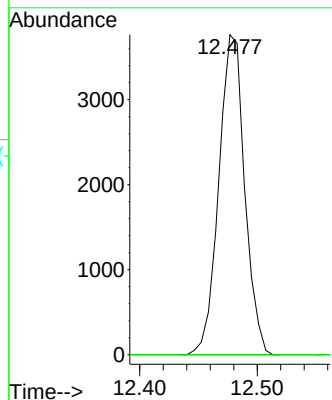
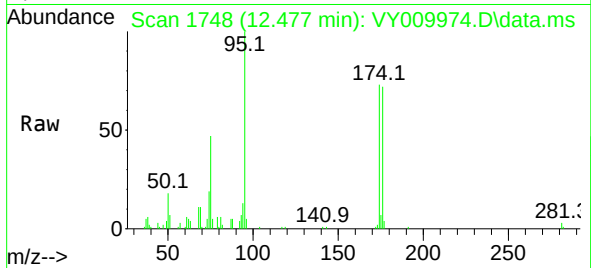




#76
1,2,3-Trichloropropane
Concen: 22.289 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009974.D
Acq: 11 Aug 2022 19:18

Instrument :
MSVOA_Y
ClientSampleId :
SB-14RE

Tgt Ion: 75 Resp: 5761
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 43.386 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009974.D
Acq: 11 Aug 2022 19:18

Tgt Ion: 75 Resp: 5761
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 38.1 57.1#

