

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060123\
 Data File : VY013971.D
 Acq On : 01 Jun 2023 18:02
 Operator : KP/MD
 Sample : 02983-06
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB24B

Quant Time: Jun 02 07:28:54 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)

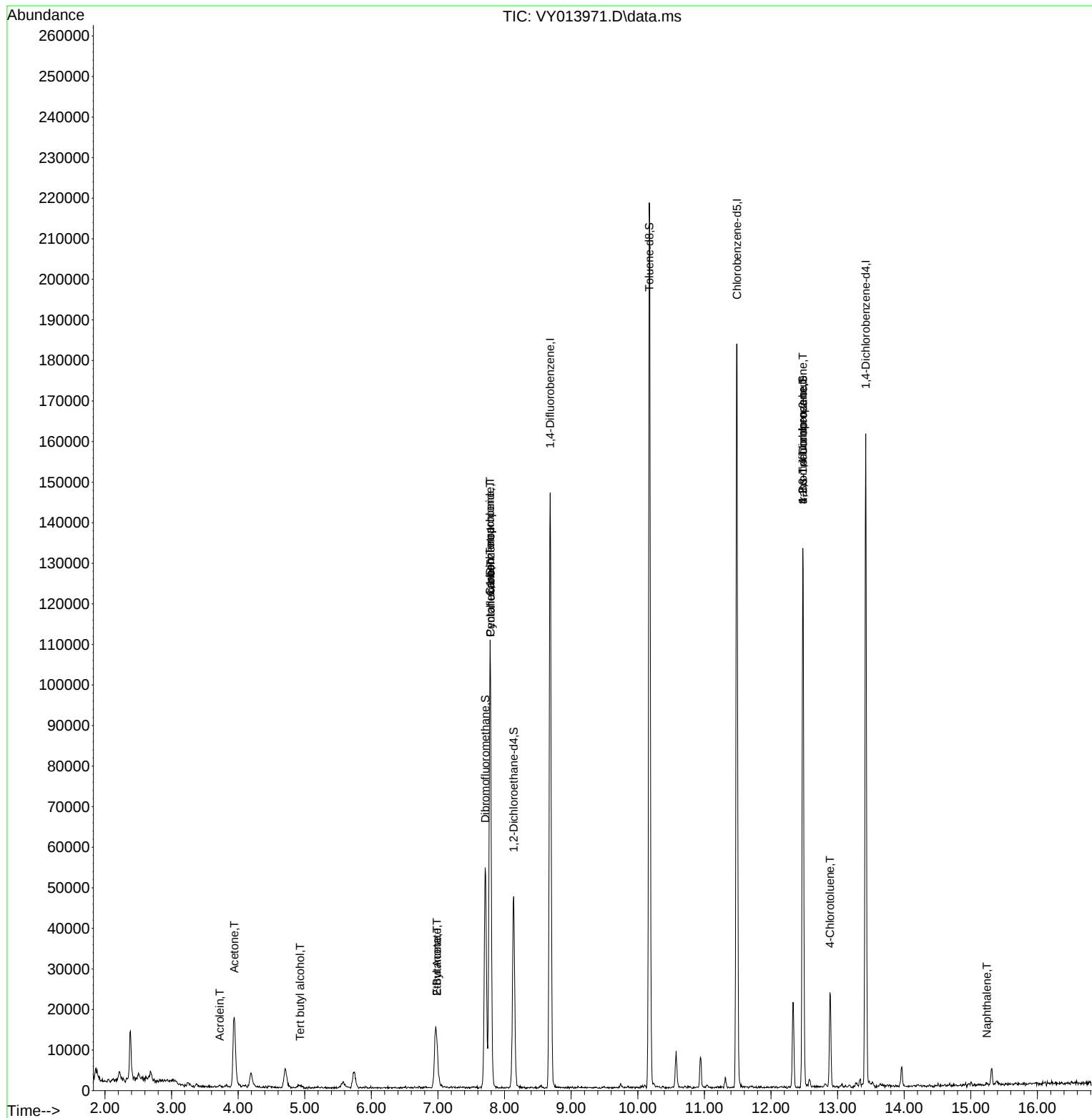
Internal Standards						
1) Pentafluorobenzene	7.789	168	84632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	121256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	101021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	41034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	38593	34.448	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	68.900%
35) Dibromofluoromethane	7.710	113	37012	48.030	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.060%
50) Toluene-d8	10.173	98	144806	49.264	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.520%
62) 4-Bromofluorobenzene	12.477	95	37053	36.976	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	655	2.845	ug/l #	89
13) Acrolein	3.723	56	393	3.727	ug/l	100
16) Acetone	3.942	43	31821	83.018	ug/l	93
20) Methylene Chloride	4.710	84	3509	Below Cal		86
25) 2-Butanone	6.984	43	7228	15.137	ug/l #	87
31) Cyclohexane	7.789	56	1906	1.413	ug/l #	50
36) 1,1-Dichloropropene	7.783	75	6364	5.797	ug/l #	51
37) Ethyl Acetate	6.984	43	7228	7.551	ug/l #	84
38) Carbon Tetrachloride	7.783	117	7846	6.378	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	20037	36.286	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	20037	76.982	ug/l #	11
82) 4-Chlorotoluene	12.886	91	3350	1.621	ug/l #	40
95) Naphthalene	15.239	128	468	4.106	ug/l #	69

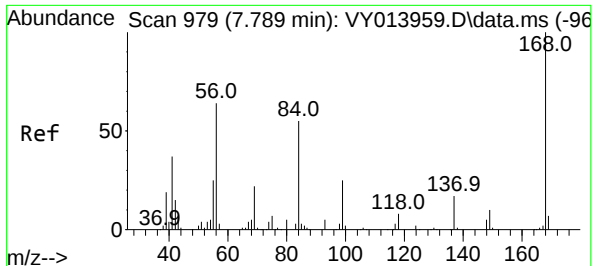
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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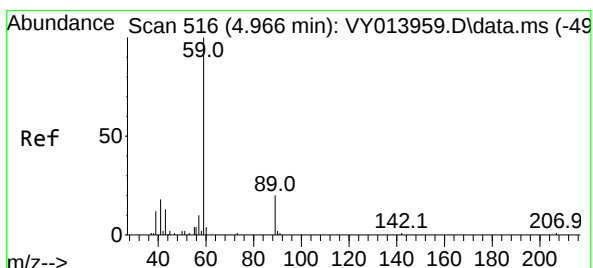
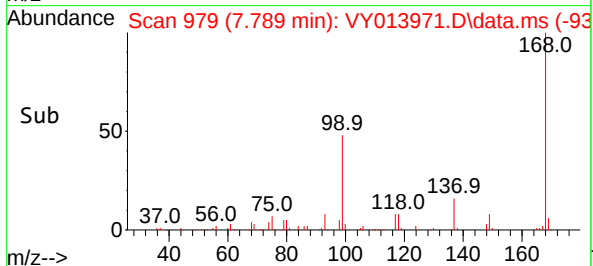
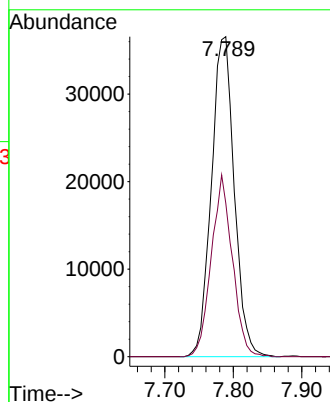
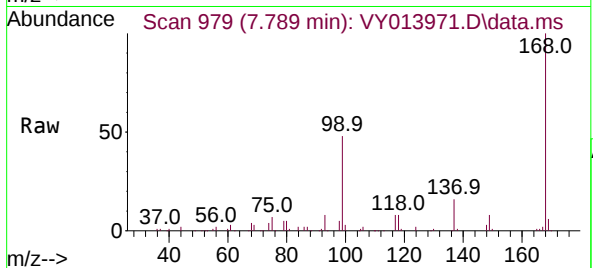




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013971.D
Acq: 01 Jun 2023 18:02

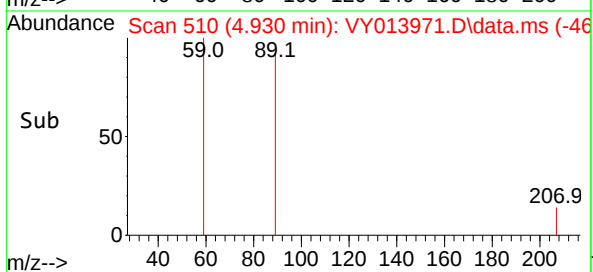
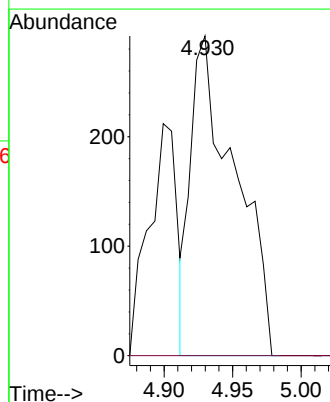
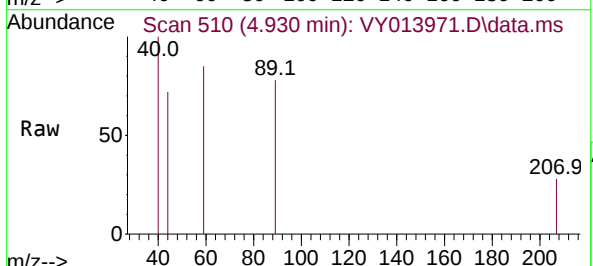
Instrument :
MSVOA_Y
ClientSampleId :
SB24B

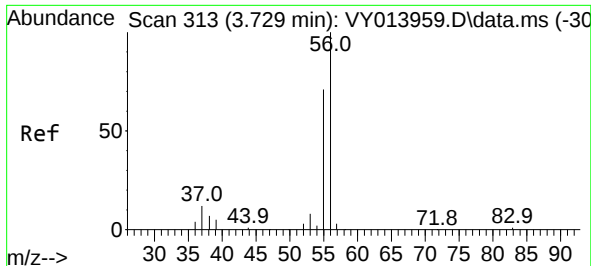
Tgt Ion:168 Resp: 84632
Ion Ratio Lower Upper
168 100
99 47.9 43.4 65.0



#11
Tert butyl alcohol
Concen: 2.845 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.036 min
Lab File: VY013971.D
Acq: 01 Jun 2023 18:02

Tgt Ion: 59 Resp: 655
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: 3.727 ug/l

RT: 3.723 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY013971.D

Acq: 01 Jun 2023 18:02

Instrument :

MSVOA_Y

ClientSampleId :

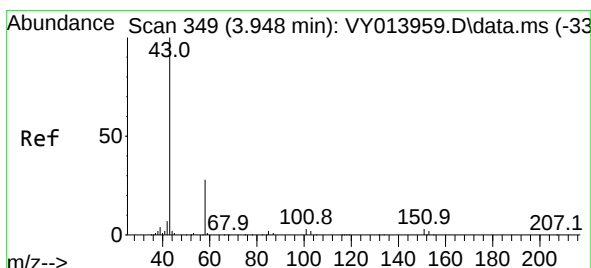
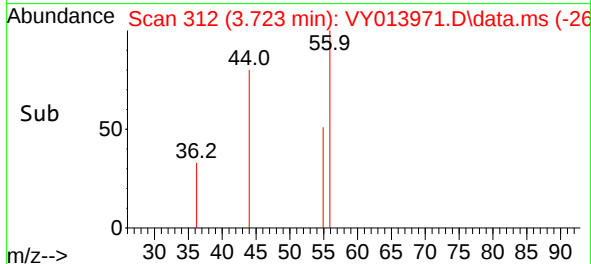
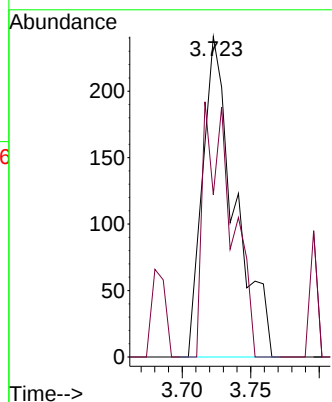
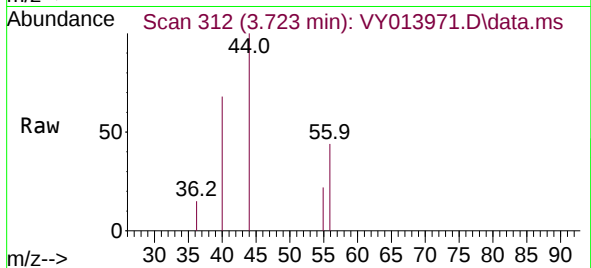
SB24B

Tgt Ion: 56 Resp: 393

Ion Ratio Lower Upper

56 100

55 71.0 57.0 85.4



#16

Acetone

Concen: 83.018 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY013971.D

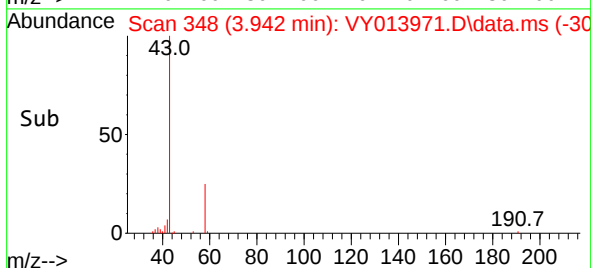
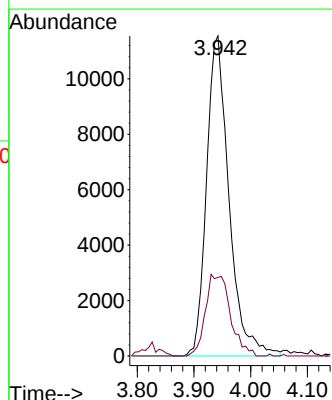
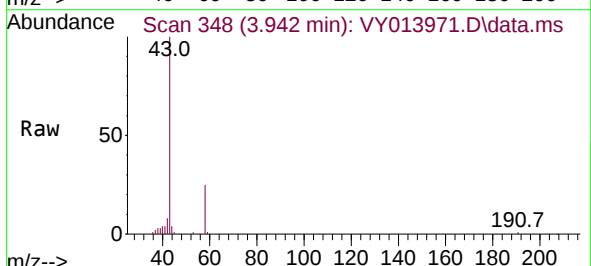
Acq: 01 Jun 2023 18:02

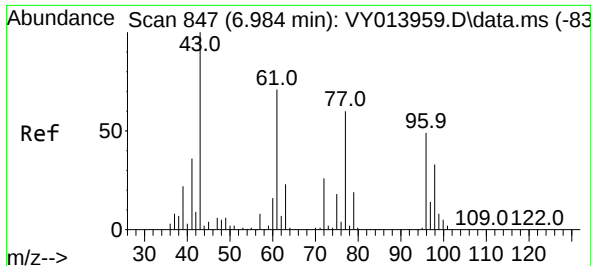
Tgt Ion: 43 Resp: 31821

Ion Ratio Lower Upper

43 100

58 24.6 22.7 34.1

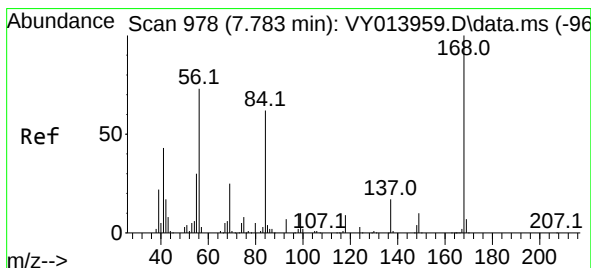
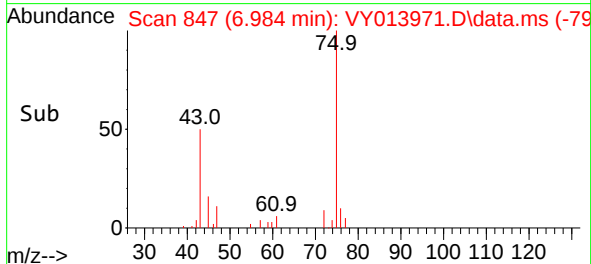
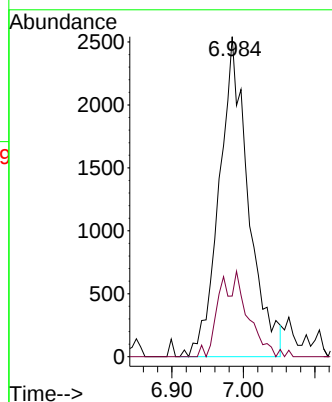
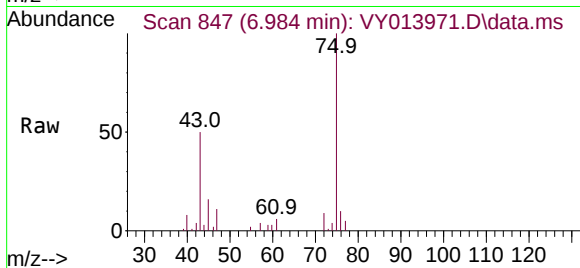




#25
2-Butanone
Concen: 15.137 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY013971.D
Acq: 01 Jun 2023 18:02

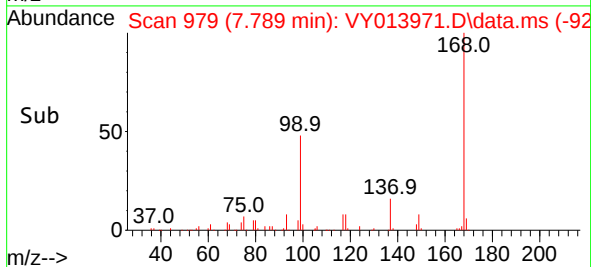
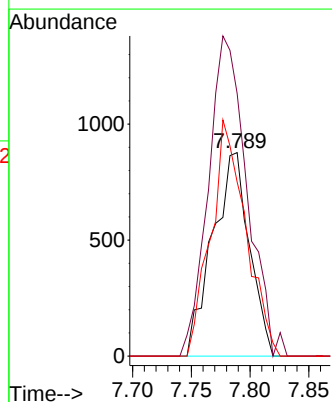
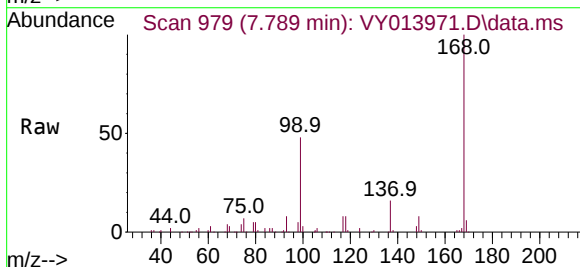
Instrument :
MSVOA_Y
ClientSampleId :
SB24B

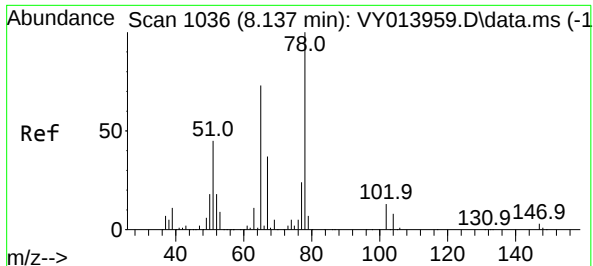
Tgt Ion: 43 Resp: 7228
Ion Ratio Lower Upper
43 100
72 19.0 20.5 30.7#



#31
Cyclohexane
Concen: 1.413 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013971.D
Acq: 01 Jun 2023 18:02

Tgt Ion: 56 Resp: 1906
Ion Ratio Lower Upper
56 100
69 129.1 27.8 41.6#
84 85.5 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 34.448 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013971.D

Acq: 01 Jun 2023 18:02

Instrument :

MSVOA_Y

ClientSampleId :

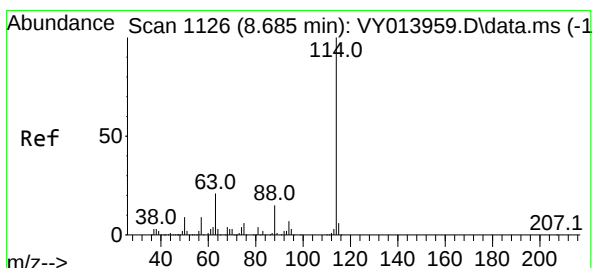
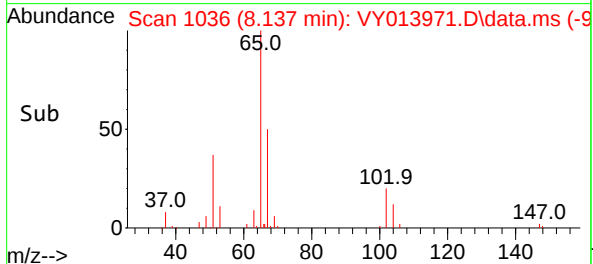
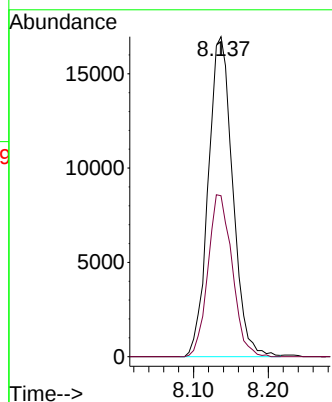
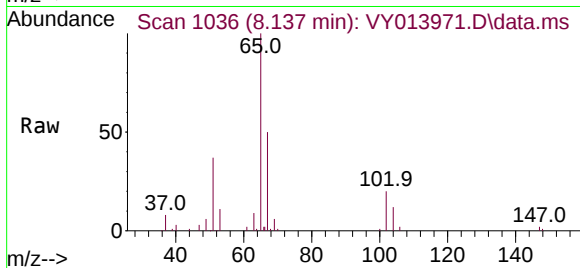
SB24B

Tgt Ion: 65 Resp: 38593

Ion Ratio Lower Upper

65 100

67 50.0 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: VY013971.D

Acq: 01 Jun 2023 18:02

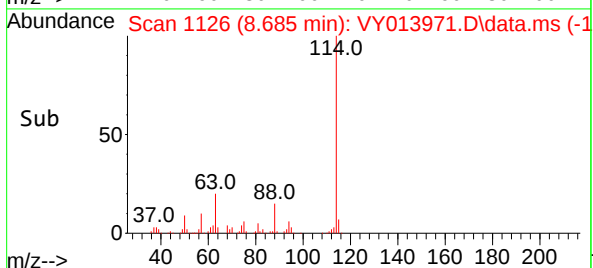
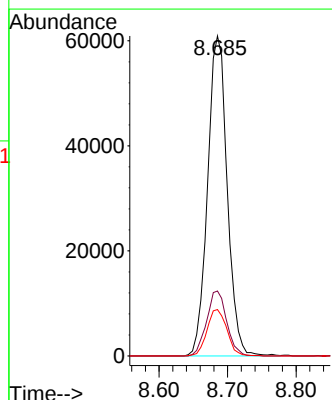
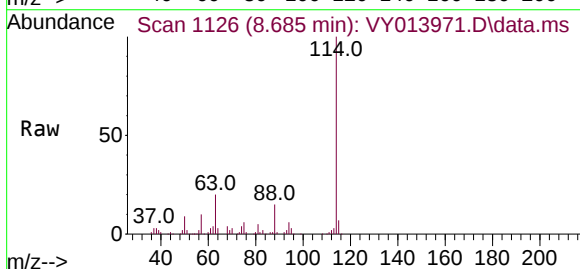
Tgt Ion: 114 Resp: 121256

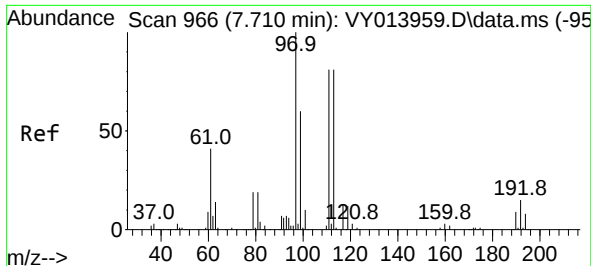
Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

88 14.5 0.0 30.6

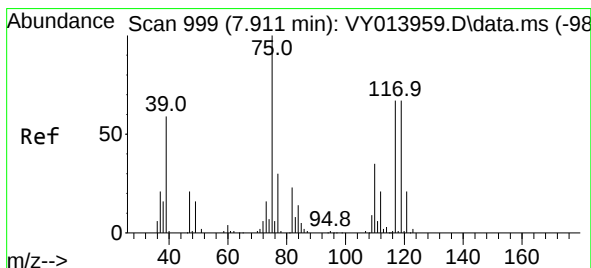
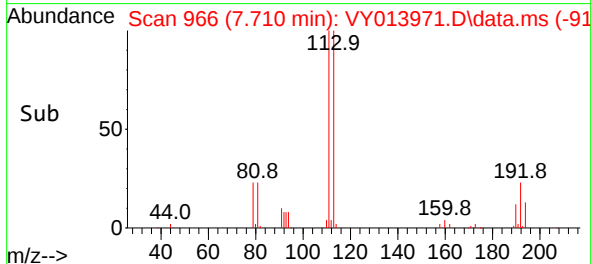
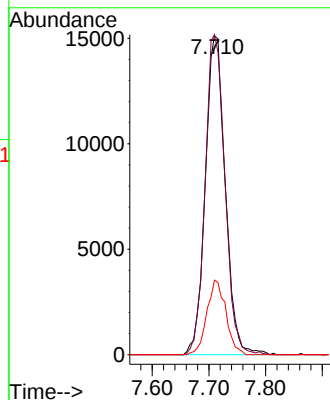
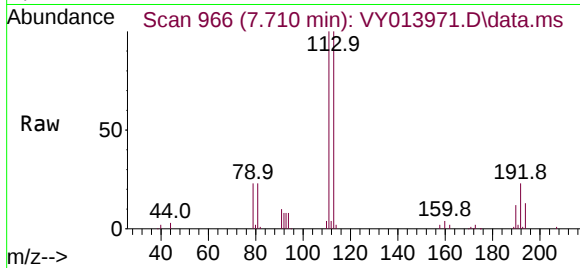




#35
Dibromofluoromethane
Concen: 48.030 ug/l
RT: 7.710 min Scan# 912
Delta R.T. 0.000 min
Lab File: VY013971.D
Acq: 01 Jun 2023 18:02

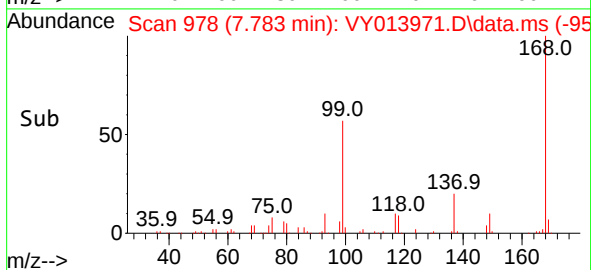
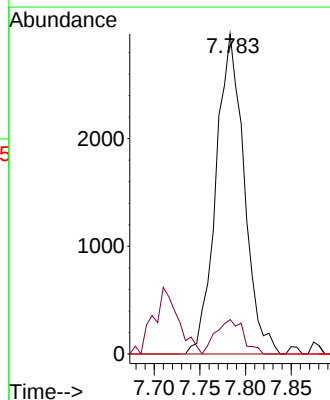
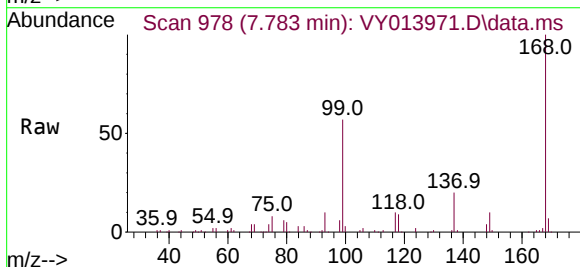
Instrument :
MSVOA_Y
ClientSampleId :
SB24B

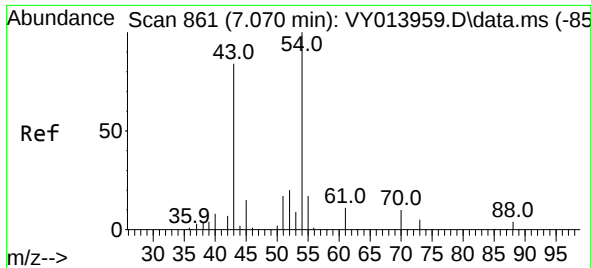
Tgt Ion:113 Resp: 37012
Ion Ratio Lower Upper
113 100
111 99.4 81.3 121.9
192 22.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.797 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY013971.D
Acq: 01 Jun 2023 18:02

Tgt Ion: 75 Resp: 6364
Ion Ratio Lower Upper
75 100
110 10.6 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 7.551 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY013971.D

Acq: 01 Jun 2023 18:02

Instrument :

MSVOA_Y

ClientSampleId :

SB24B

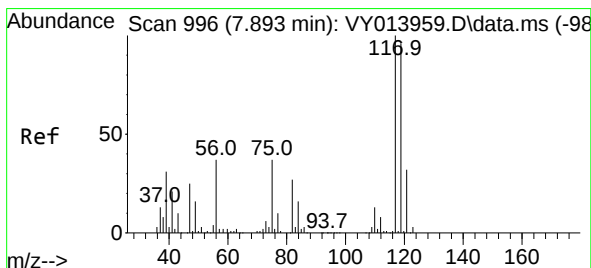
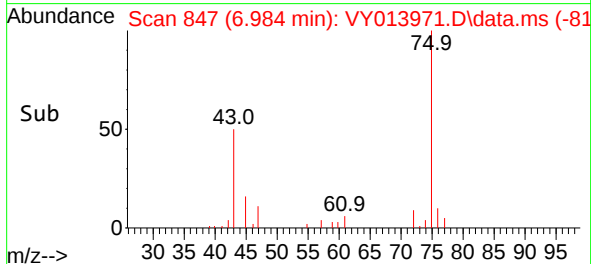
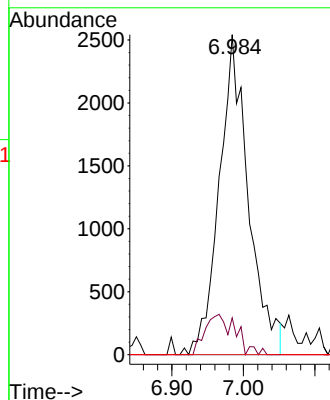
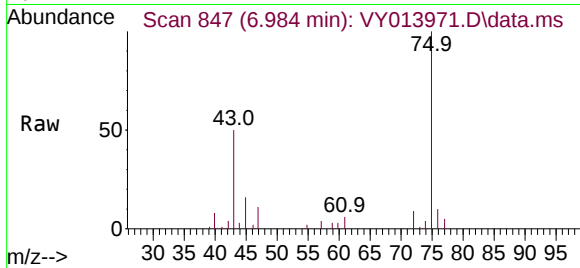
Tgt Ion: 43 Resp: 7228

Ion Ratio Lower Upper

43 100

61 9.0 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.378 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY013971.D

Acq: 01 Jun 2023 18:02

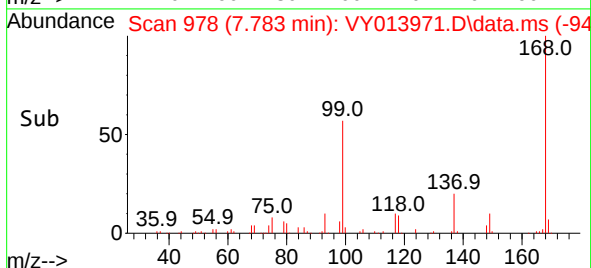
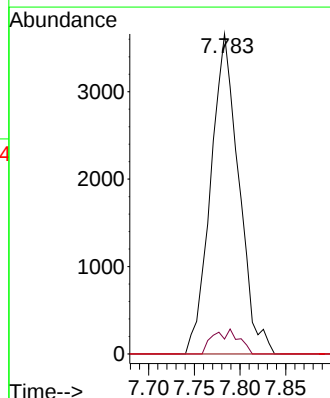
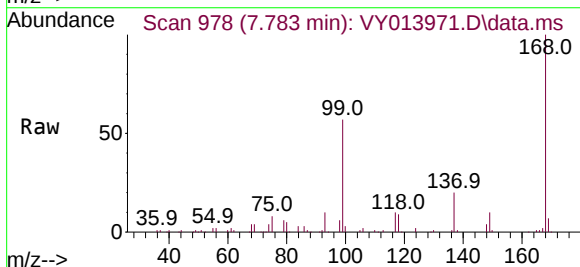
Tgt Ion: 117 Resp: 7846

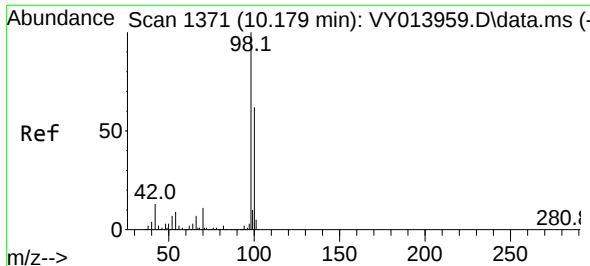
Ion Ratio Lower Upper

117 100

119 4.7 76.4 114.6#

121 0.0 25.8 38.6#

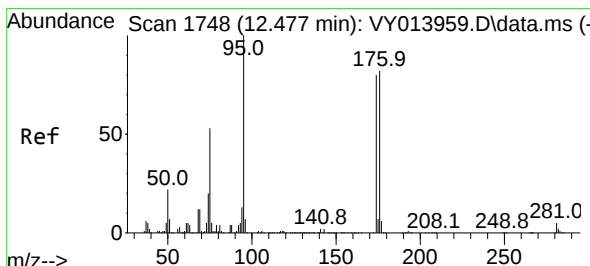
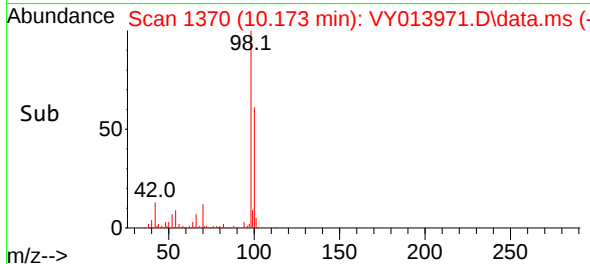
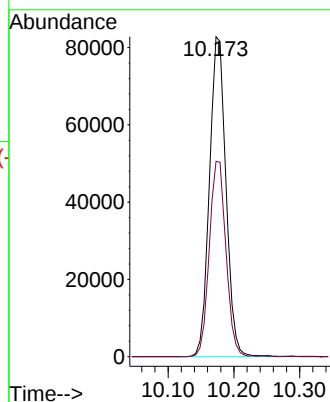
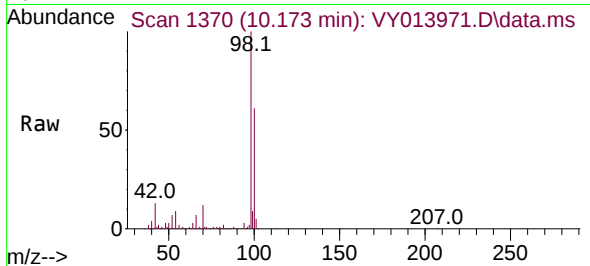




#50
Toluene-d8
Concen: 49.264 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013971.D
Acq: 01 Jun 2023 18:02

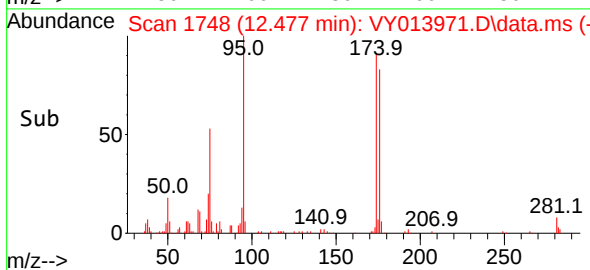
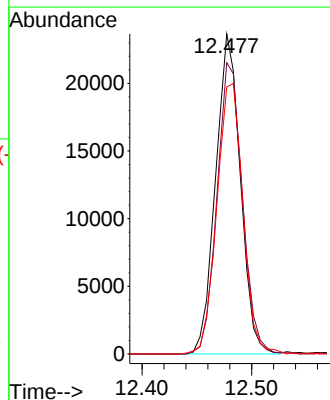
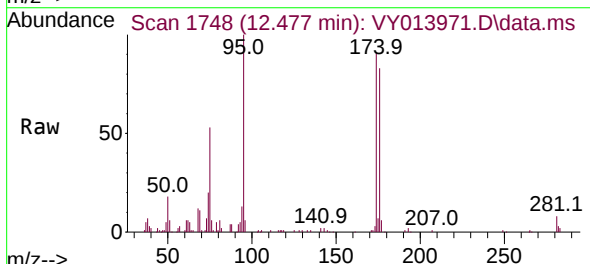
Instrument :
MSVOA_Y
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SB24B

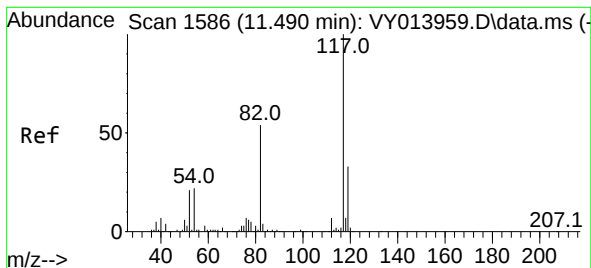
Tgt Ion: 98 Resp: 144806
Ion Ratio Lower Upper
98 100
100 61.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 36.976 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013971.D
Acq: 01 Jun 2023 18:02

Tgt Ion: 95 Resp: 37053
Ion Ratio Lower Upper
95 100
174 93.4 0.0 178.2
176 89.2 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: VY013971.D

Acq: 01 Jun 2023 18:02

Instrument :

MSVOA_Y

ClientSampleId :

SB24B

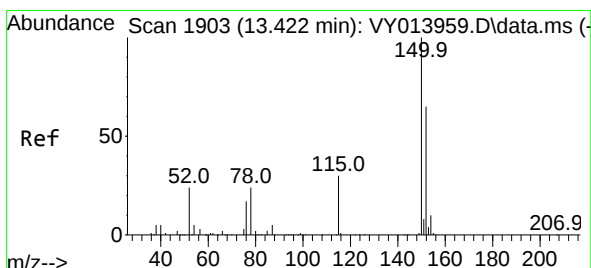
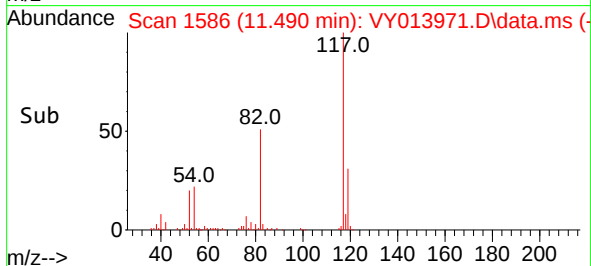
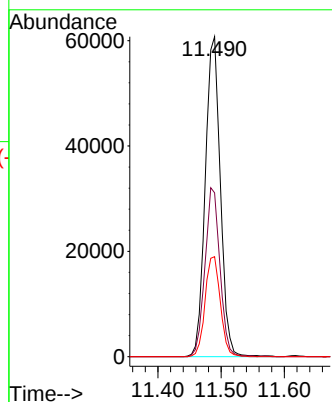
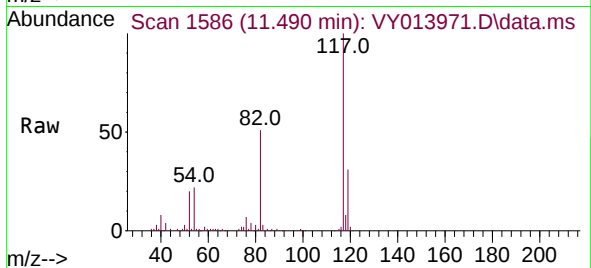
Tgt Ion:117 Resp: 101021

Ion Ratio Lower Upper

117 100

82 51.2 43.4 65.0

119 31.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013971.D

Acq: 01 Jun 2023 18:02

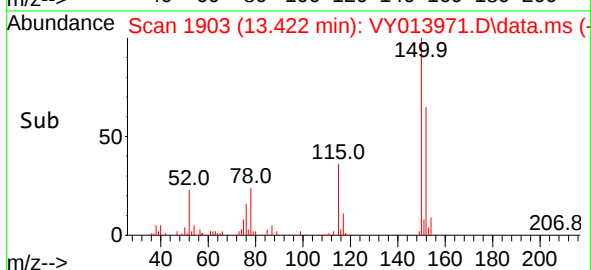
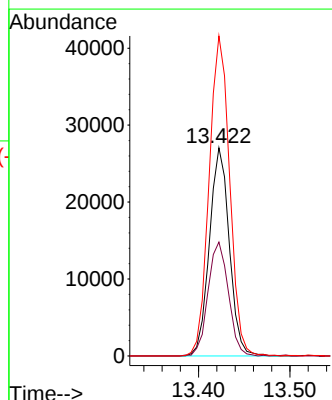
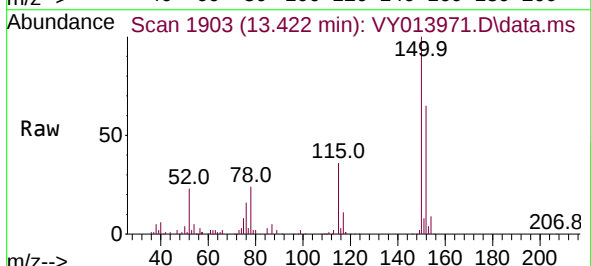
Tgt Ion:152 Resp: 41034

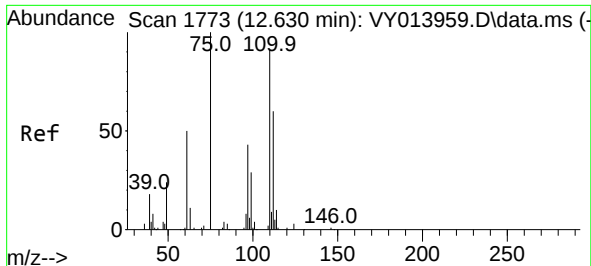
Ion Ratio Lower Upper

152 100

115 56.0 28.8 86.5

150 158.5 0.0 348.8

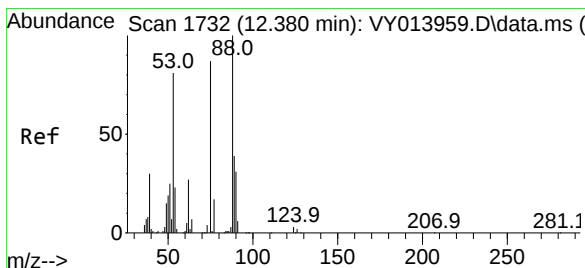
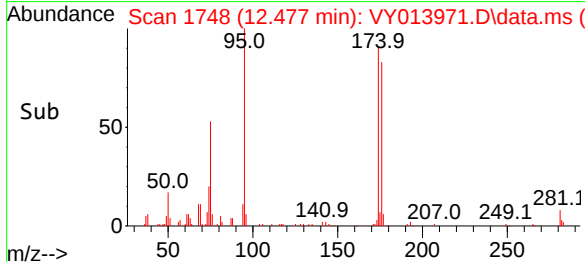
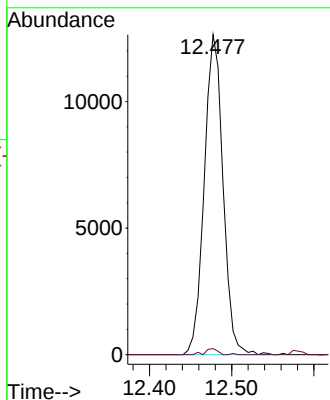
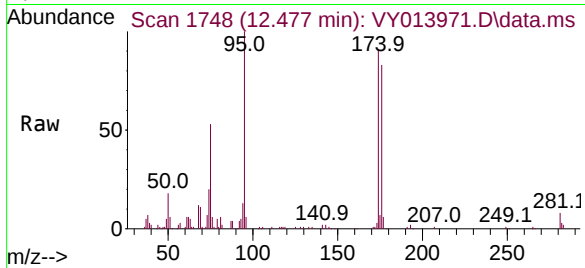




#76
1,2,3-Trichloropropane
Concen: 36.286 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013971.D
Acq: 01 Jun 2023 18:02

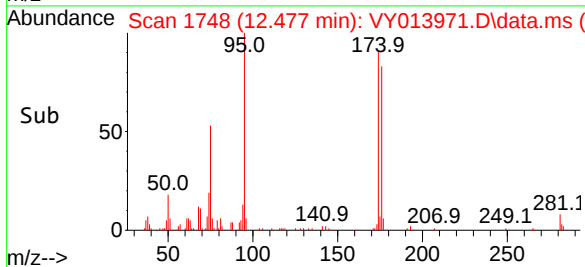
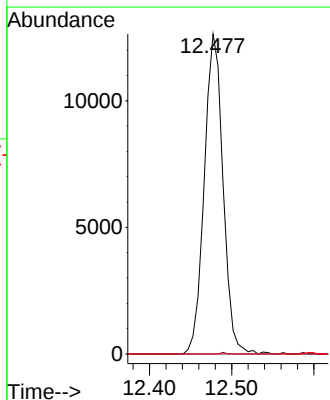
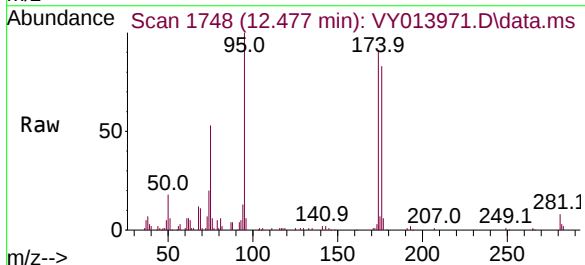
Instrument :
MSVOA_Y
ClientSampleId :
SB24B

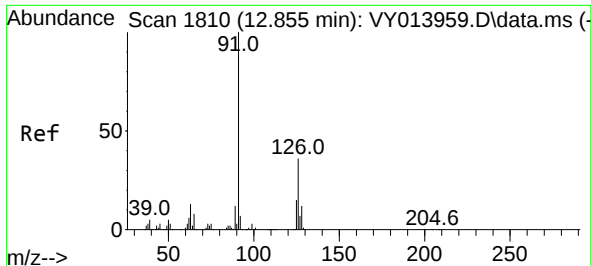
Tgt Ion: 75 Resp: 20037
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.982 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013971.D
Acq: 01 Jun 2023 18:02

Tgt Ion: 75 Resp: 20037
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.0 37.4 56.0#

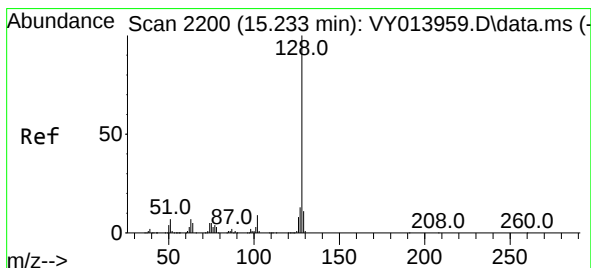
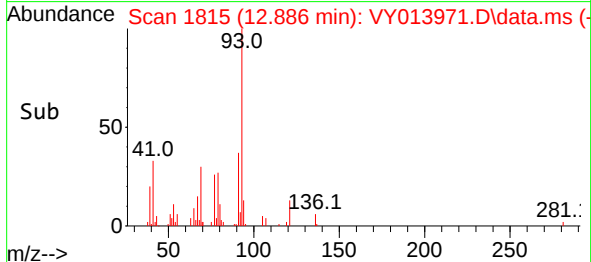
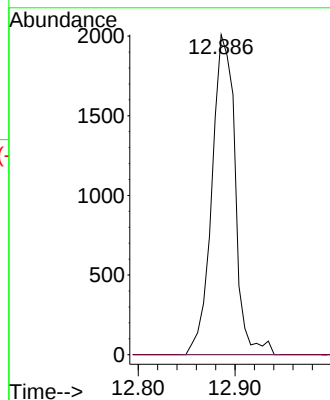
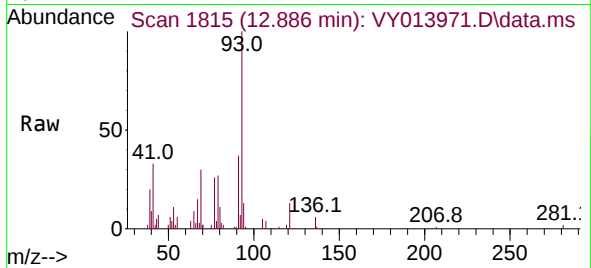




#82
4-Chlorotoluene
Concen: 1.621 ug/l
RT: 12.886 min Scan# 11
Delta R.T. 0.030 min
Lab File: VY013971.D
Acq: 01 Jun 2023 18:02

Instrument :
MSVOA_Y
ClientSampleId :
SB24B

Tgt Ion: 91 Resp: 3350
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#



#95
Naphthalene
Concen: 4.106 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY013971.D
Acq: 01 Jun 2023 18:02

Tgt Ion:128 Resp: 468
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

