

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060123\
 Data File : VY013972.D
 Acq On : 01 Jun 2023 18:25
 Operator : KP/MD
 Sample : 02983-08
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB07RE

Quant Time: Jun 02 07:29:14 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)

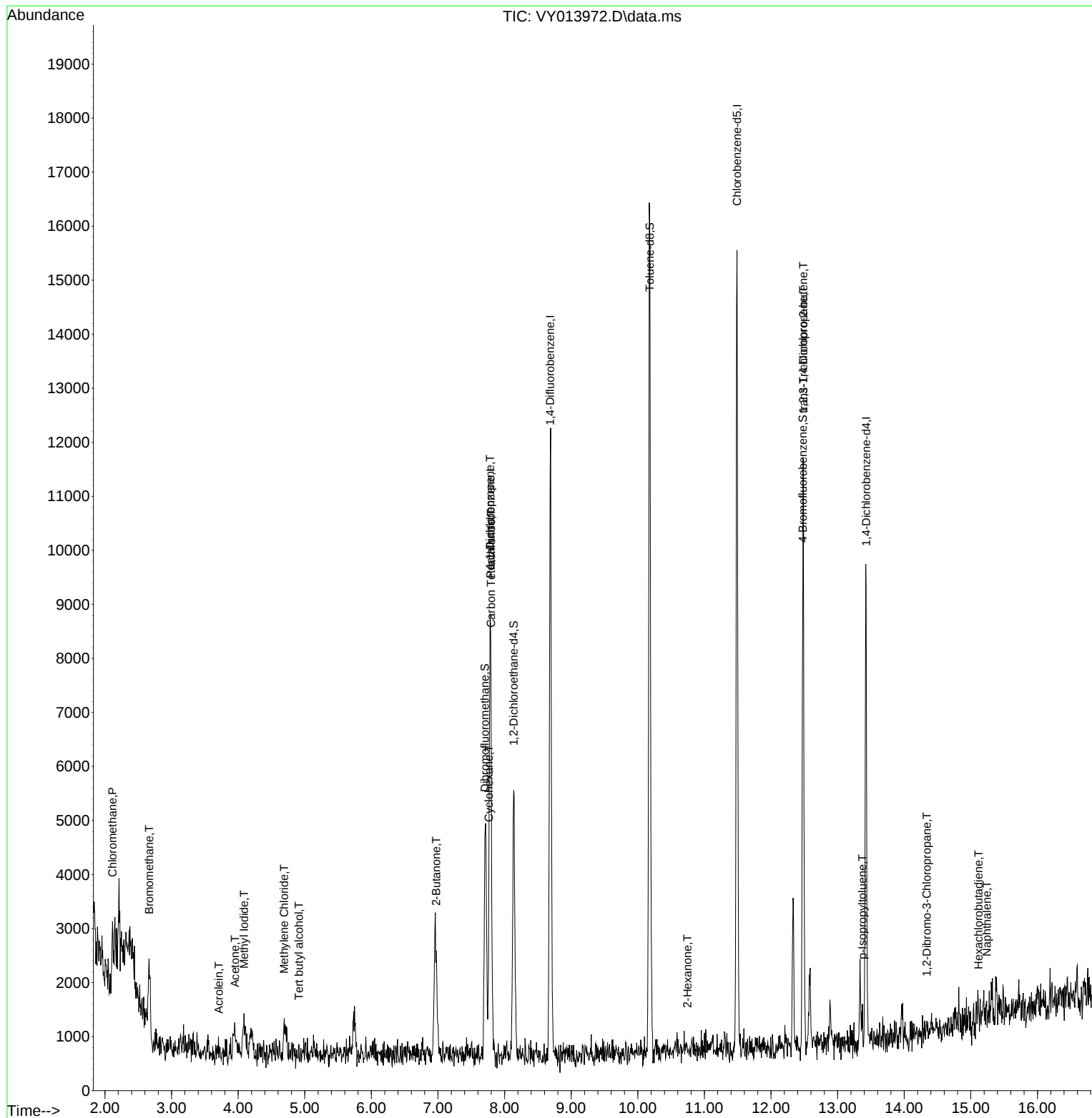
Internal Standards						
1) Pentafluorobenzene	7.789	168	7179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	9458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	8459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	4271	44.942	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.880%		
35) Dibromofluoromethane	7.704	113	3029	50.394	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.780%		
50) Toluene-d8	10.179	98	11121	48.506	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.020%		
62) 4-Bromofluorobenzene	12.477	95	2671	34.172	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	68.340%		
Target Compounds						Qvalue
3) Chloromethane	2.113	50	590	6.744	ug/l	97
5) Bromomethane	2.662	94	548	7.765	ug/l #	76
10) Methyl Iodide	4.088	142	647	7.133	ug/l #	38
11) Tert butyl alcohol	4.911	59	20	1.024	ug/l #	89
13) Acrolein	3.710	56	19	2.124	ug/l #	14
16) Acetone	3.954	43	915	28.142	ug/l #	80
20) Methylene Chloride	4.692	84	481	1.603	ug/l #	55
25) 2-Butanone	6.972	43	113	2.790	ug/l #	49
31) Cyclohexane	7.764	56	140	1.223	ug/l #	6
36) 1,1-Dichloropropene	7.783	75	559	6.528	ug/l #	41
38) Carbon Tetrachloride	7.795	117	663	6.909	ug/l #	12
59) 2-Hexanone	10.746	43	59	1.148	ug/l #	27
76) 1,2,3-Trichloropropane	12.483	75	1561	48.233	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1561	102.326	ug/l #	10
86) p-Isopropyltoluene	13.373	119	370	2.646	ug/l #	63
92) 1,2-Dibromo-3-Chloropr...	14.336	75	19	2.374	ug/l #	3
94) Hexachlorobutadiene	15.117	225	25	1.017	ug/l #	18
95) Naphthalene	15.239	128	124	4.900	ug/l #	69

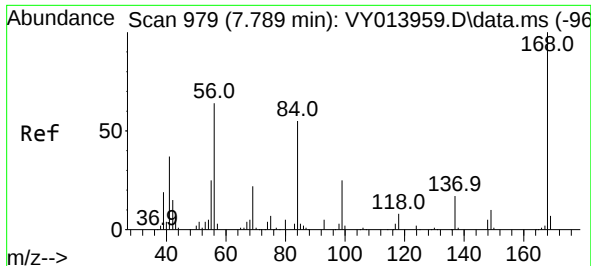
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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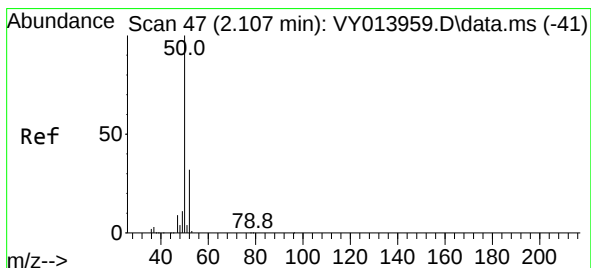
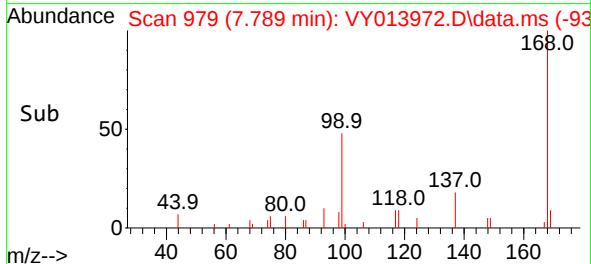
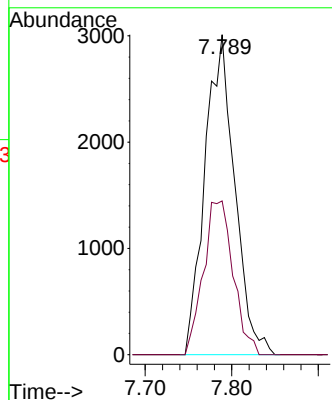
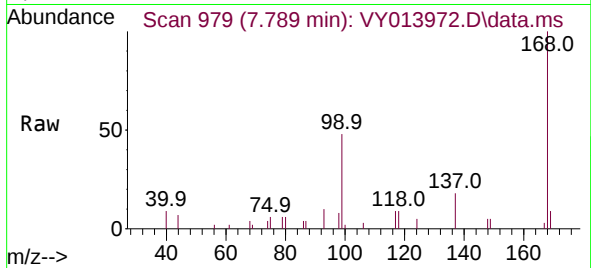




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013972.D
Acq: 01 Jun 2023 18:25

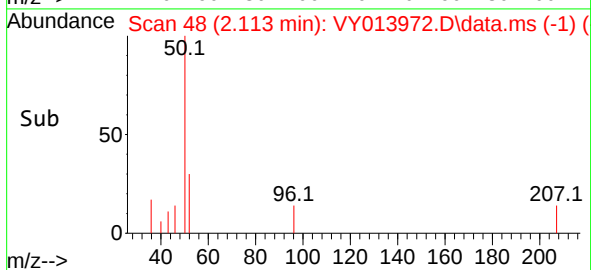
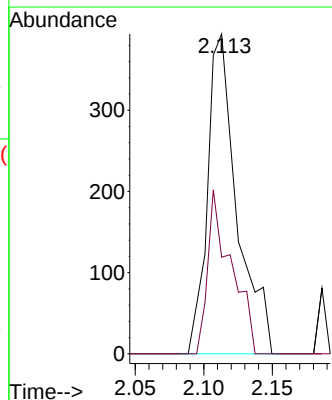
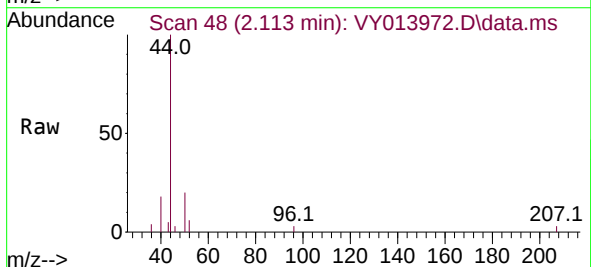
Instrument :
MSVOA_Y
ClientSampleId :
SB07RE

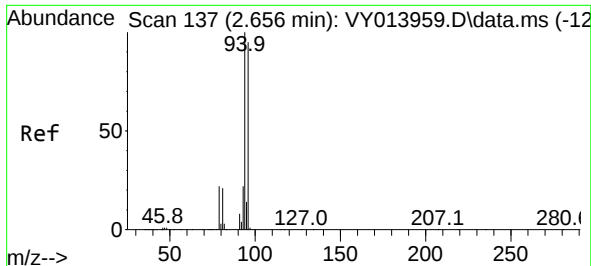
Tgt Ion:168 Resp: 7179
Ion Ratio Lower Upper
168 100
99 48.1 43.4 65.0



#3
Chloromethane
Concen: 6.744 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY013972.D
Acq: 01 Jun 2023 18:25

Tgt Ion: 50 Resp: 590
Ion Ratio Lower Upper
50 100
52 30.2 25.4 38.2





#5

Bromomethane

Concen: 7.765 ug/l

RT: 2.662 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013972.D

Acq: 01 Jun 2023 18:25

Instrument :

MSVOA_Y

ClientSampleId :

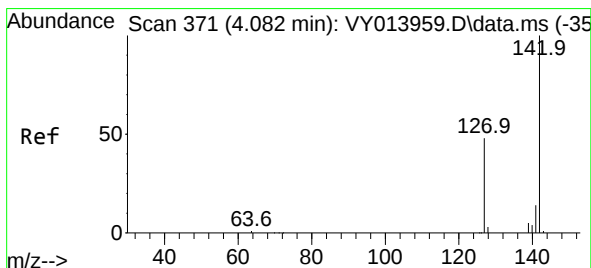
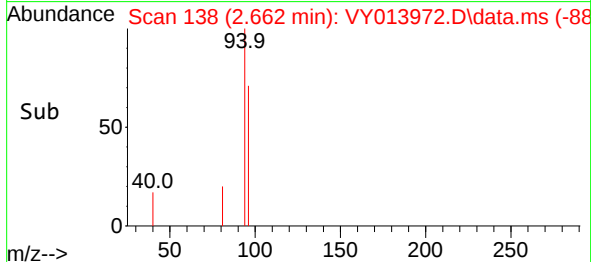
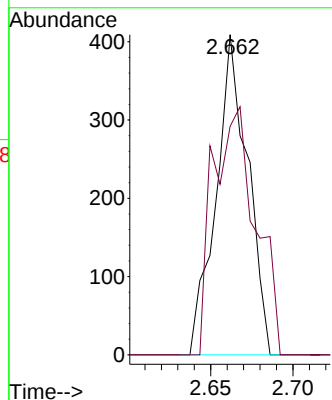
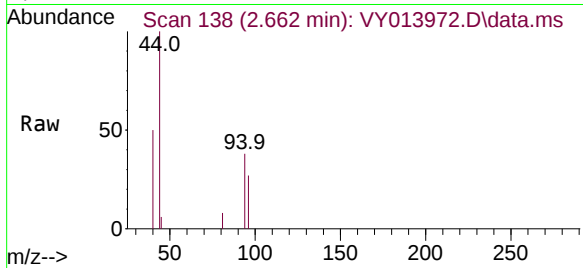
SB07RE

Tgt Ion: 94 Resp: 548

Ion Ratio Lower Upper

94 100

96 71.4 75.8 113.6#



#10

Methyl Iodide

Concen: 7.133 ug/l

RT: 4.088 min Scan# 372

Delta R.T. 0.006 min

Lab File: VY013972.D

Acq: 01 Jun 2023 18:25

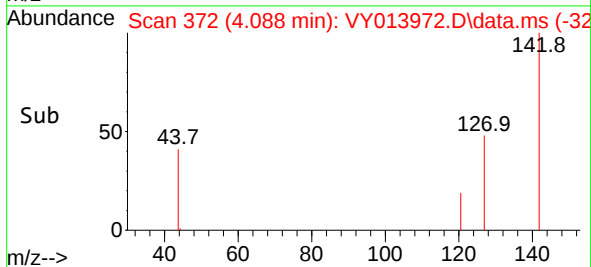
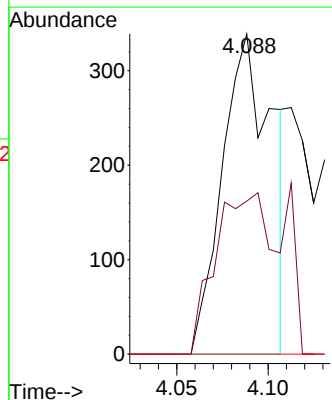
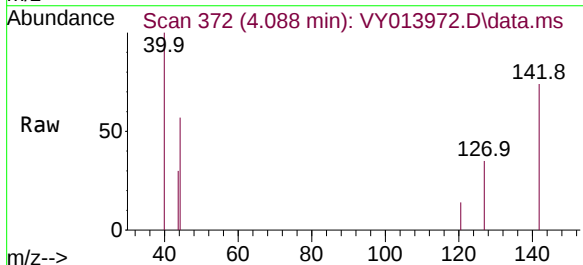
Tgt Ion: 142 Resp: 647

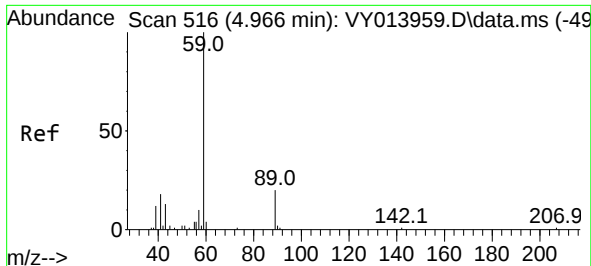
Ion Ratio Lower Upper

142 100

127 0.0 37.6 56.4#

141 0.0 11.8 17.8#

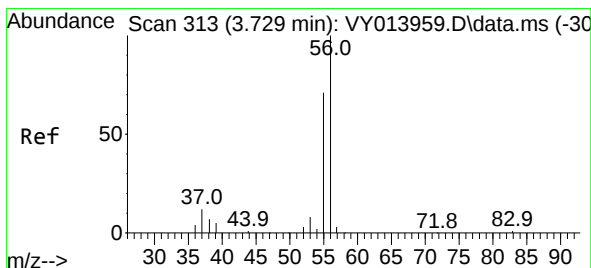
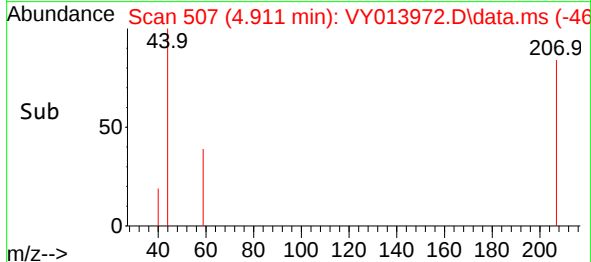
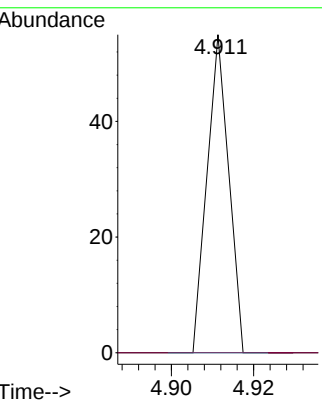
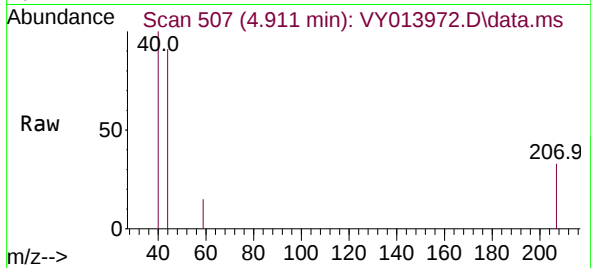




#11
Tert butyl alcohol
Concen: 1.024 ug/l
RT: 4.911 min Scan# 50
Delta R.T. -0.055 min
Lab File: VY013972.D
Acq: 01 Jun 2023 18:25

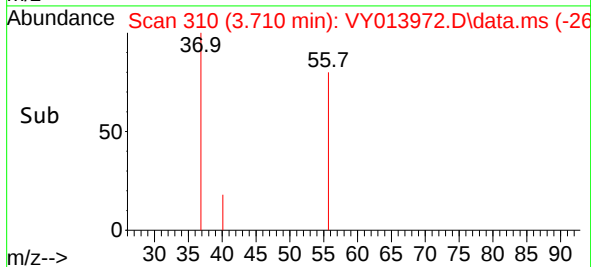
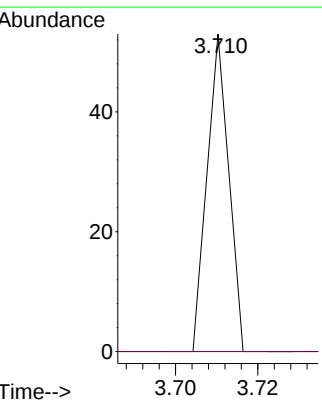
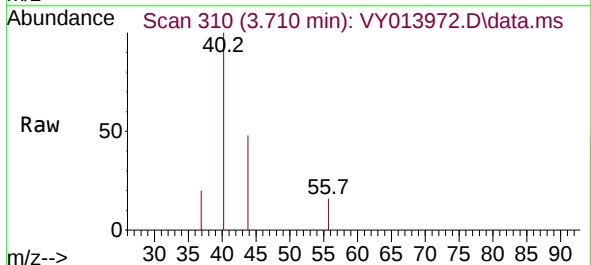
Instrument :
MSVOA_Y
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SB07RE

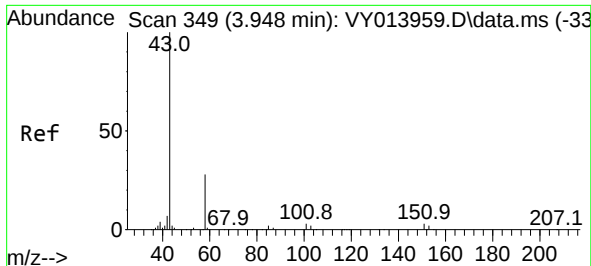
Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#13
Acrolein
Concen: 2.124 ug/l
RT: 3.710 min Scan# 310
Delta R.T. -0.018 min
Lab File: VY013972.D
Acq: 01 Jun 2023 18:25

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

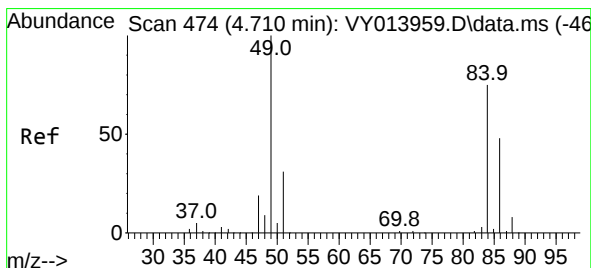
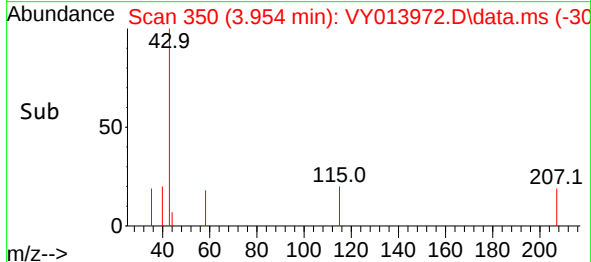
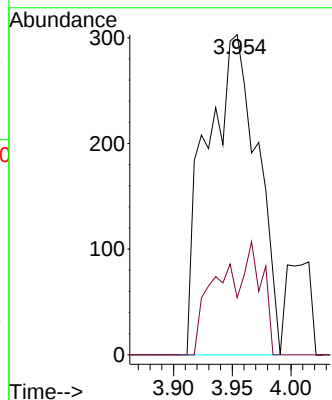
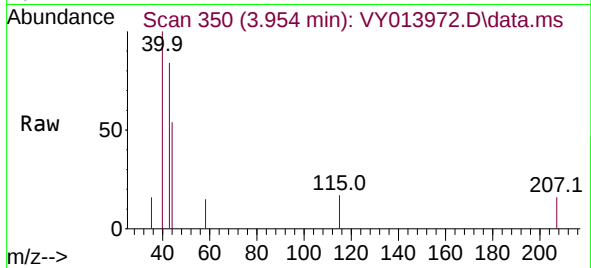




#16
Acetone
Concen: 28.142 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013972.D
Acq: 01 Jun 2023 18:25

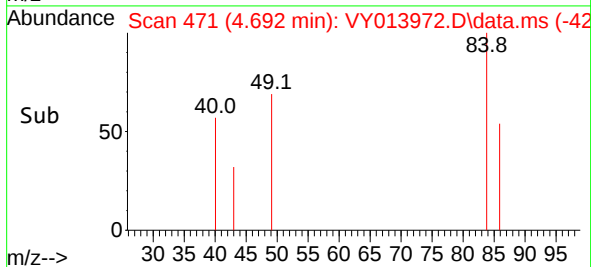
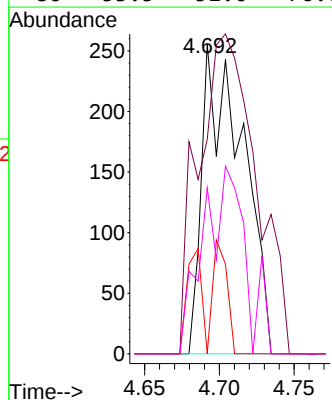
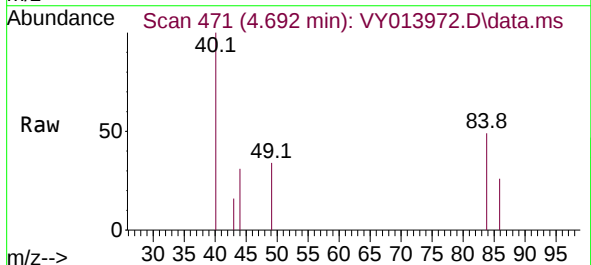
Instrument :
MSVOA_Y
ClientSampleId :
SB07RE

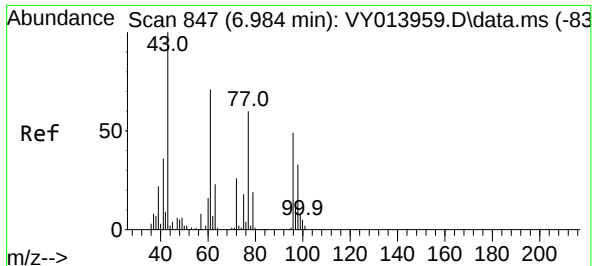
Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
58 17.8 22.7 34.1#



#20
Methylene Chloride
Concen: 1.603 ug/l
RT: 4.692 min Scan# 471
Delta R.T. -0.018 min
Lab File: VY013972.D
Acq: 01 Jun 2023 18:25

Tgt Ion: 84 Resp: 481
Ion Ratio Lower Upper
84 100
49 69.1 106.9 160.3#
51 0.0 33.2 49.8#
86 53.5 51.0 76.6





#25

2-Butanone

Concen: 2.790 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY013972.D

Acq: 01 Jun 2023 18:25

Instrument :

MSVOA_Y

ClientSampleId :

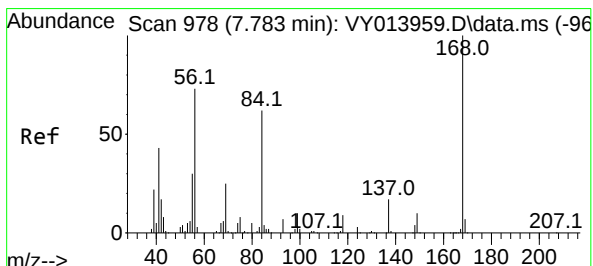
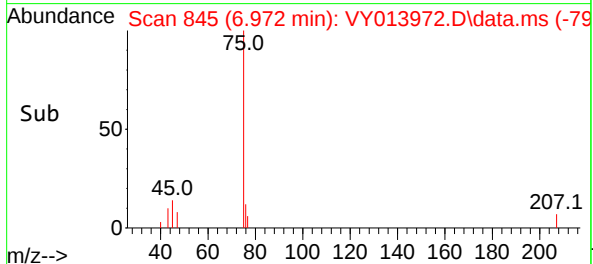
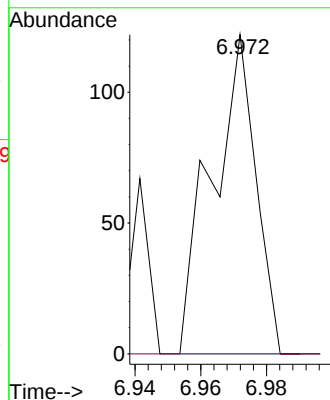
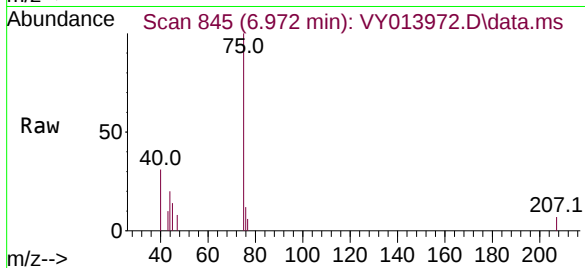
SB07RE

Tgt Ion: 43 Resp: 113

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#31

Cyclohexane

Concen: 1.223 ug/l

RT: 7.764 min Scan# 975

Delta R.T. -0.018 min

Lab File: VY013972.D

Acq: 01 Jun 2023 18:25

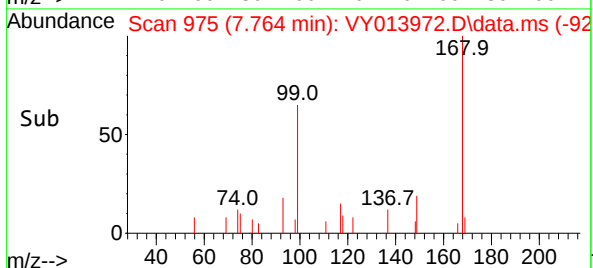
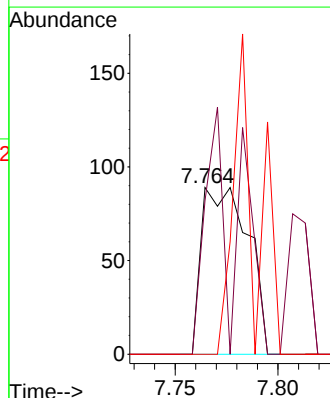
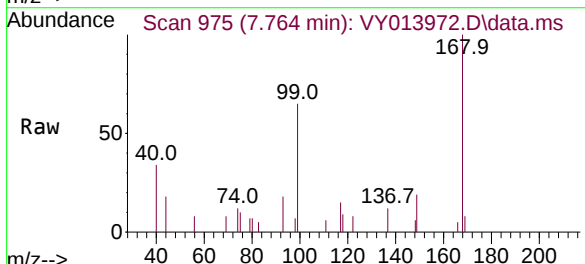
Tgt Ion: 56 Resp: 140

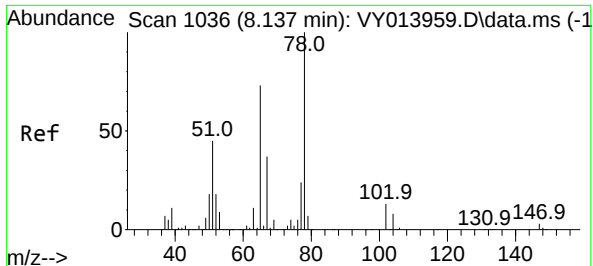
Ion Ratio Lower Upper

56 100

69 92.1 27.8 41.6#

84 0.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 44.942 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY013972.D

Acq: 01 Jun 2023 18:25

Instrument :

MSVOA_Y

ClientSampleId :

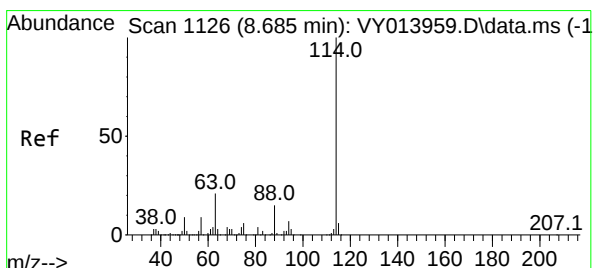
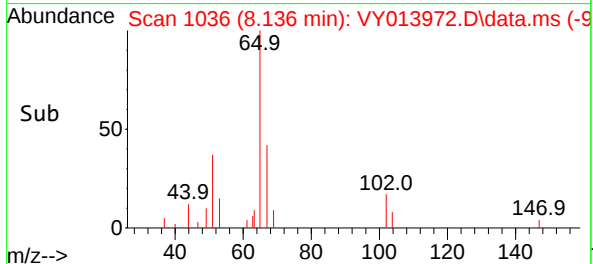
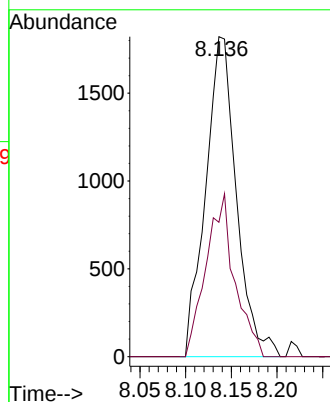
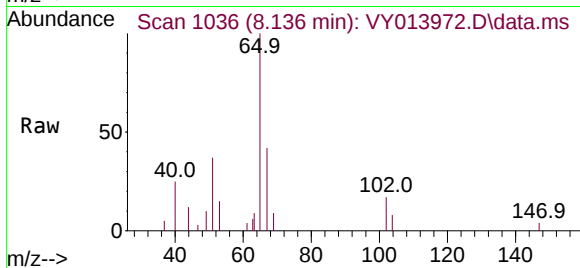
SB07RE

Tgt Ion: 65 Resp: 4271

Ion Ratio Lower Upper

65 100

67 47.3 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: VY013972.D

Acq: 01 Jun 2023 18:25

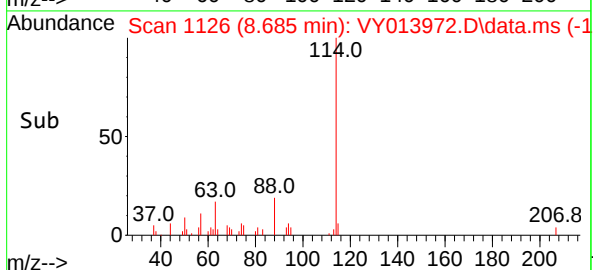
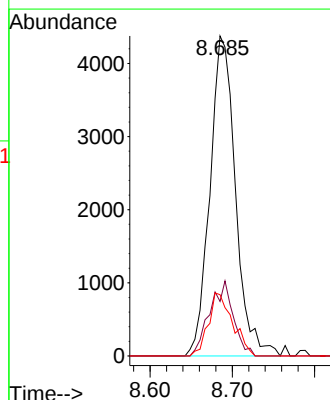
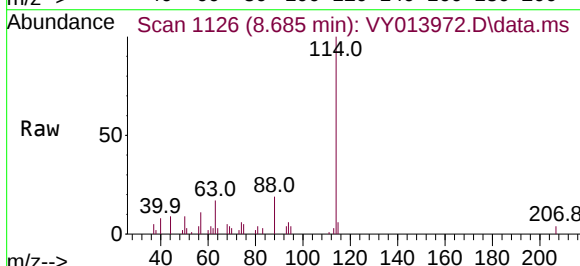
Tgt Ion: 114 Resp: 9458

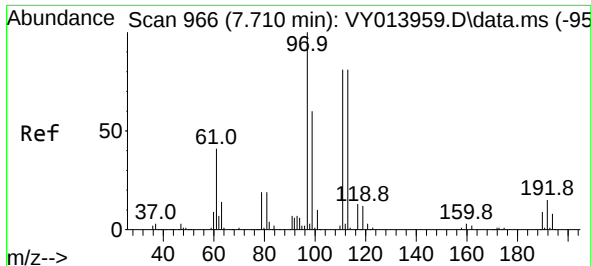
Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.4

88 19.1 0.0 30.6

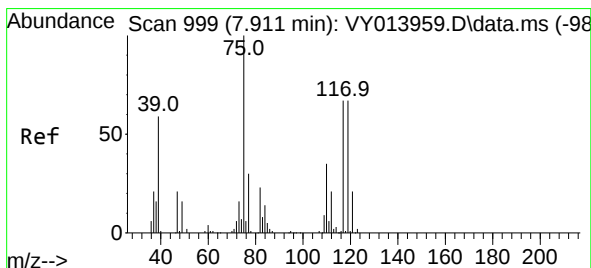
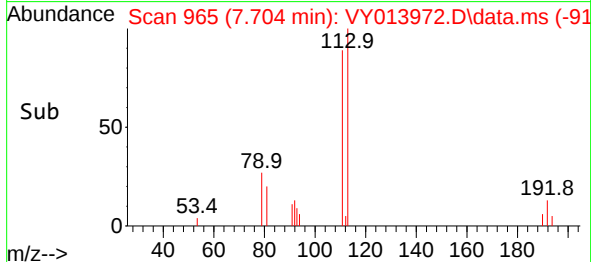
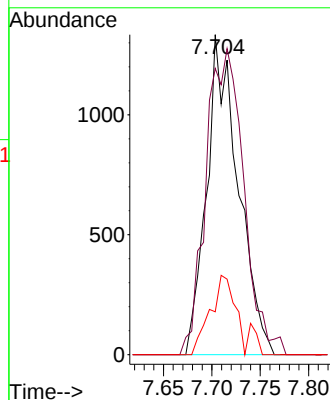
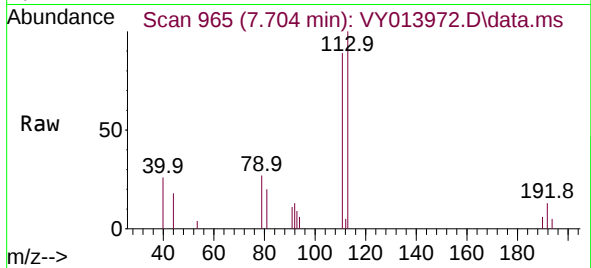




#35
Dibromofluoromethane
Concen: 50.394 ug/l
RT: 7.704 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY013972.D
Acq: 01 Jun 2023 18:25

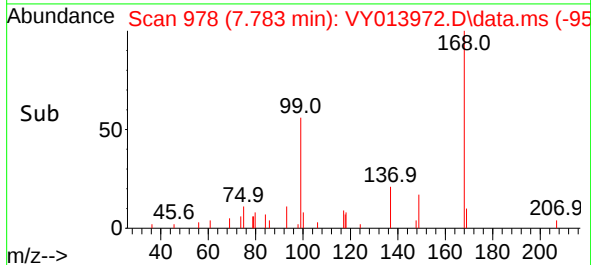
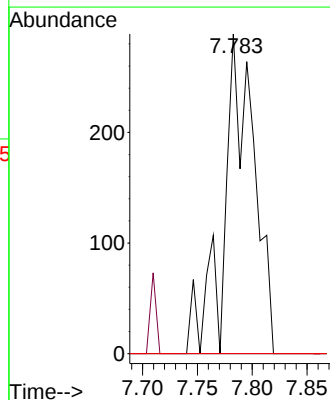
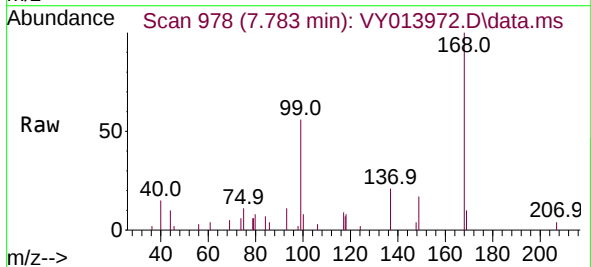
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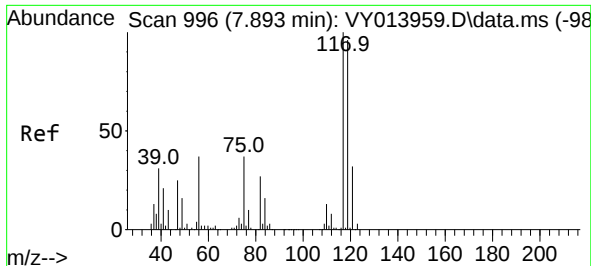
Tgt Ion:113 Resp: 3029
Ion Ratio Lower Upper
113 100
111 114.0 81.3 121.9
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.528 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY013972.D
Acq: 01 Jun 2023 18:25

Tgt Ion: 75 Resp: 559
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#

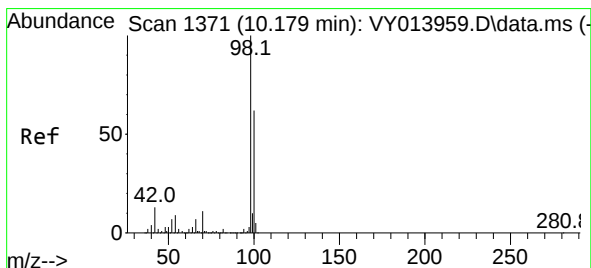
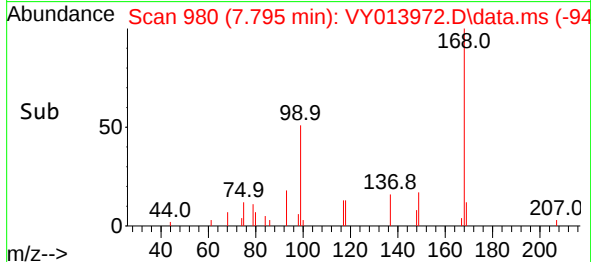
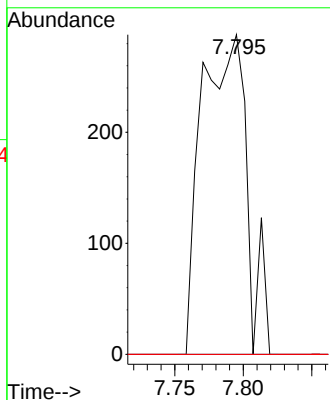
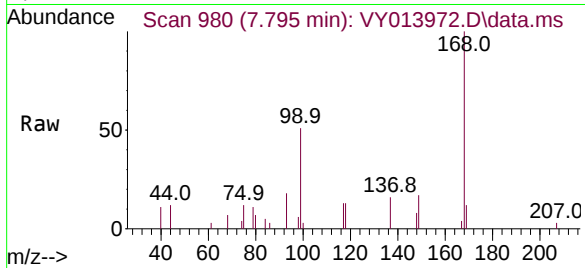




#38
Carbon Tetrachloride
Concen: 6.909 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY013972.D
Acq: 01 Jun 2023 18:25

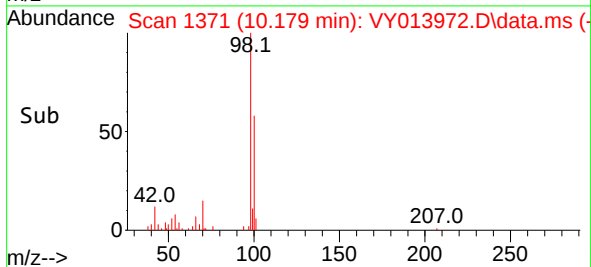
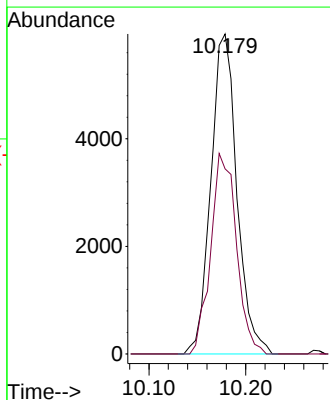
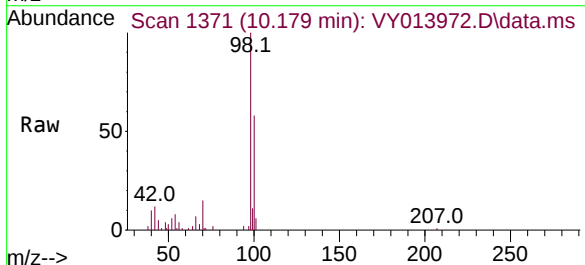
Instrument :
MSVOA_Y
ClientSampleId :
SB07RE

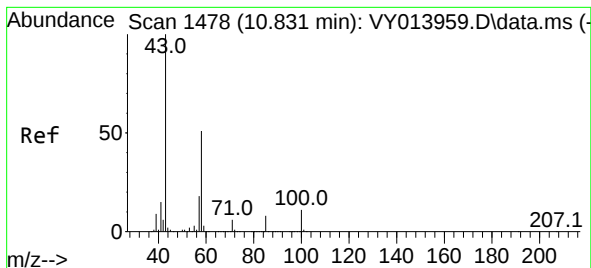
Tgt Ion:117 Resp: 663
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.506 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013972.D
Acq: 01 Jun 2023 18:25

Tgt Ion: 98 Resp: 11121
Ion Ratio Lower Upper
98 100
100 61.8 50.1 75.1

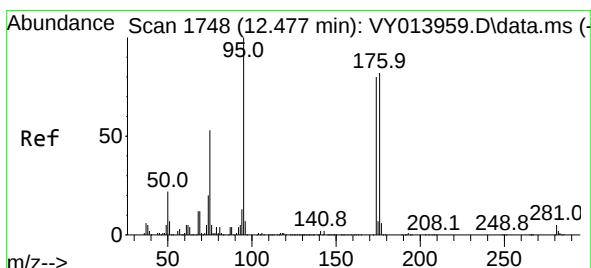
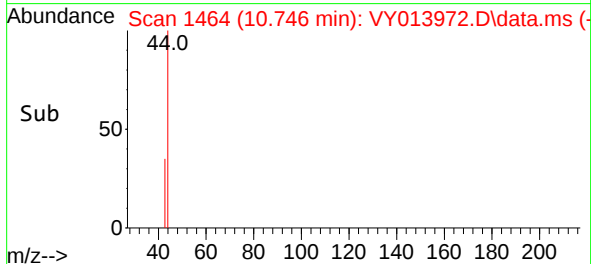
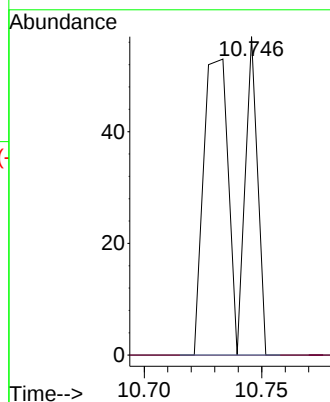
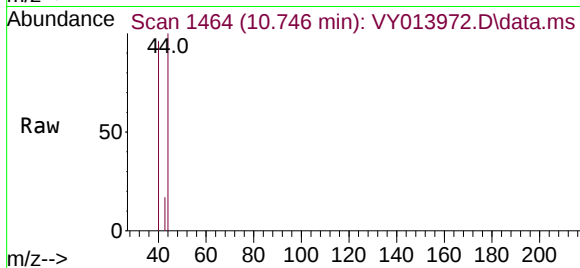




#59
2-Hexanone
Concen: 1.148 ug/l
RT: 10.746 min Scan# 1478
Delta R.T. -0.086 min
Lab File: VY013972.D
Acq: 01 Jun 2023 18:25

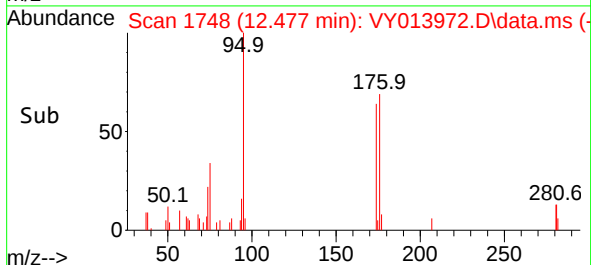
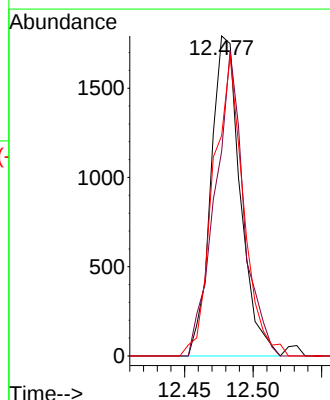
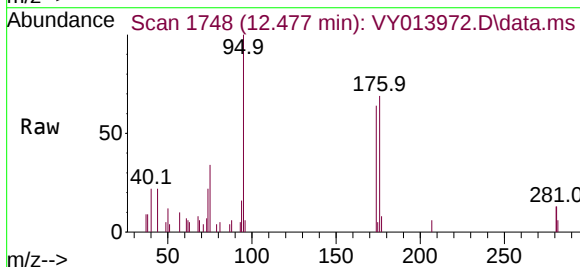
Instrument :
MSVOA_Y
ClientSampleId :
SB07RE

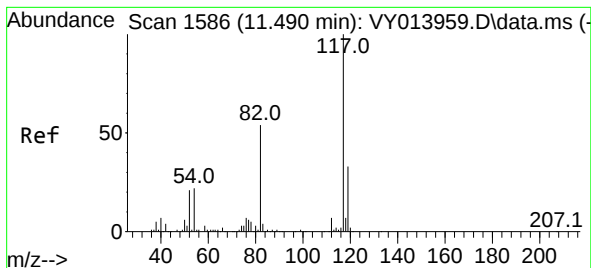
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 34.172 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013972.D
Acq: 01 Jun 2023 18:25

Tgt Ion: 95 Resp: 2671
Ion Ratio Lower Upper
95 100
174 93.0 0.0 178.2
176 96.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013972.D

Acq: 01 Jun 2023 18:25

Instrument :

MSVOA_Y

ClientSampleId :

SB07RE

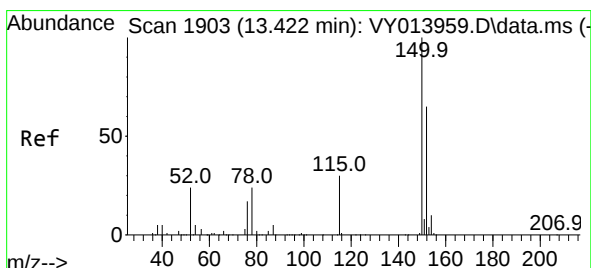
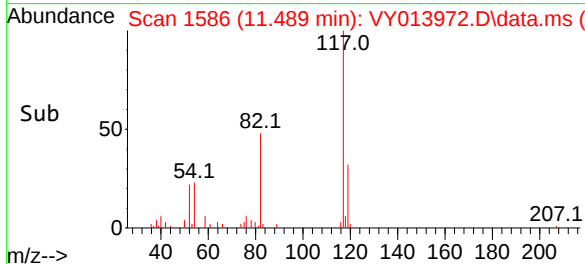
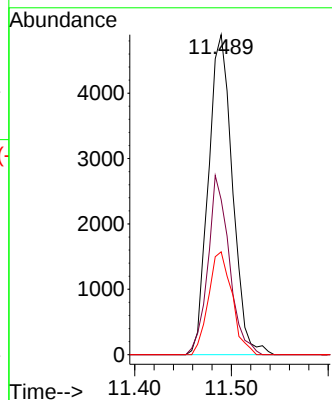
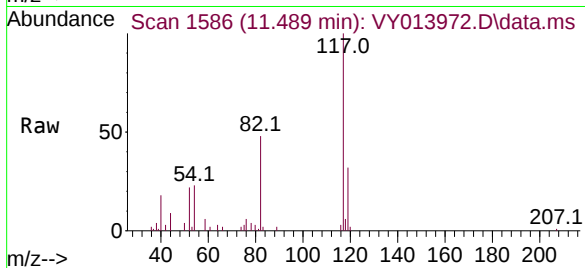
Tgt Ion:117 Resp: 8459

Ion Ratio Lower Upper

117 100

82 48.5 43.4 65.0

119 32.1 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: VY013972.D

Acq: 01 Jun 2023 18:25

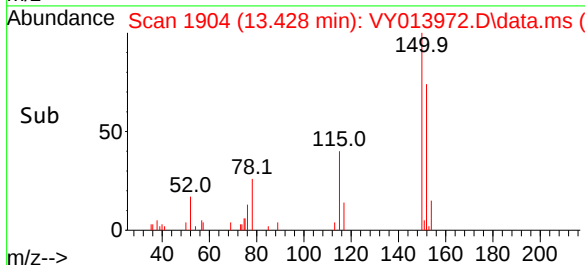
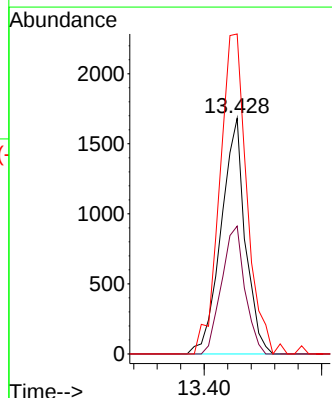
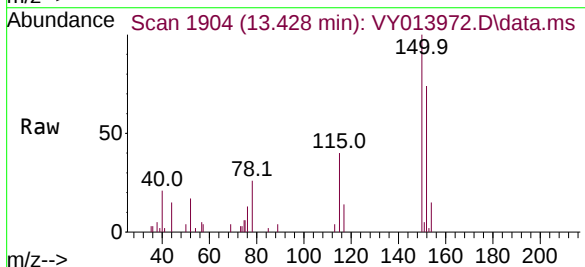
Tgt Ion:152 Resp: 2405

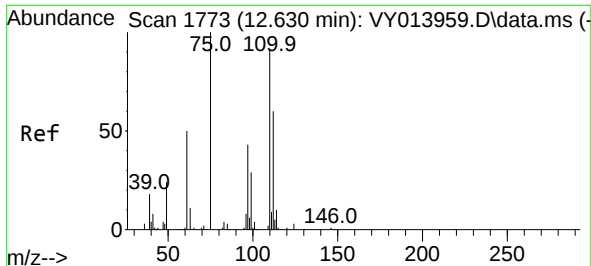
Ion Ratio Lower Upper

152 100

115 52.2 28.8 86.5

150 152.6 0.0 348.8

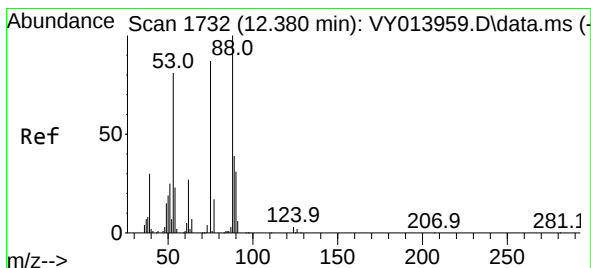
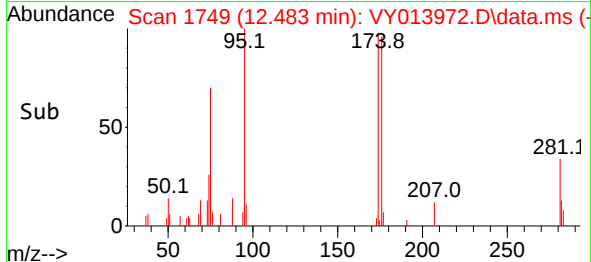
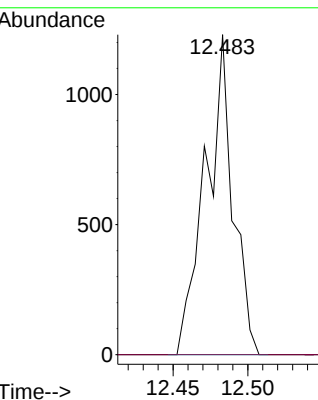
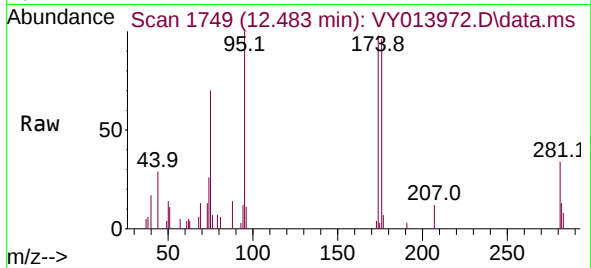




#76
1,2,3-Trichloropropane
Concen: 48.233 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013972.D
Acq: 01 Jun 2023 18:25

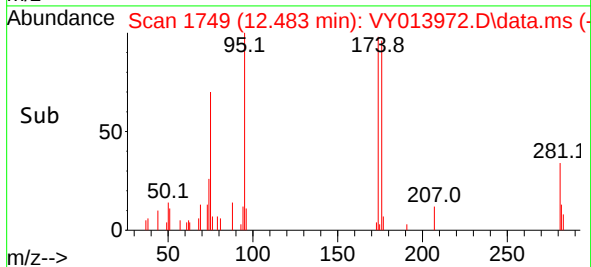
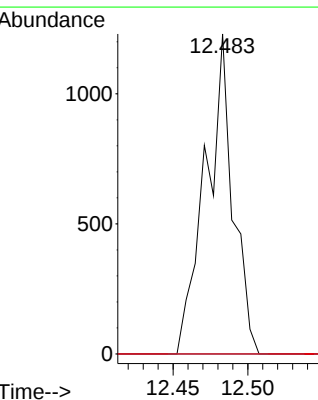
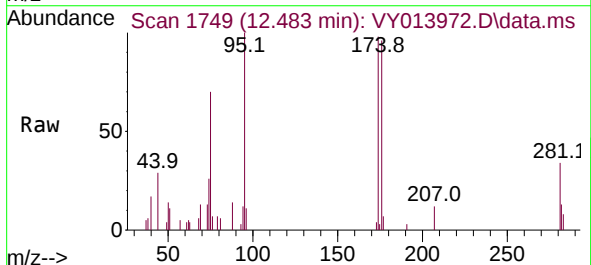
Instrument :
MSVOA_Y
ClientSampleId :
SB07RE

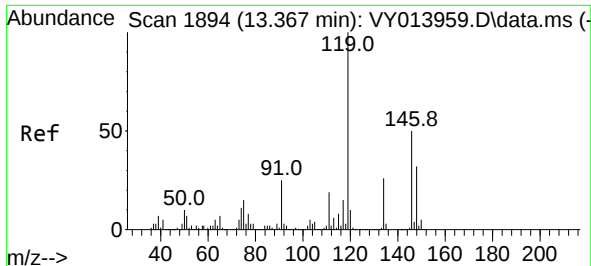
Tgt Ion: 75 Resp: 1561
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 102.326 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY013972.D
Acq: 01 Jun 2023 18:25

Tgt Ion: 75 Resp: 1561
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

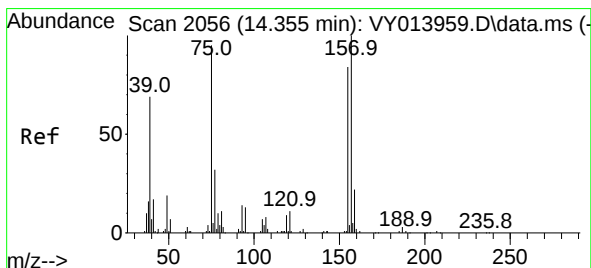
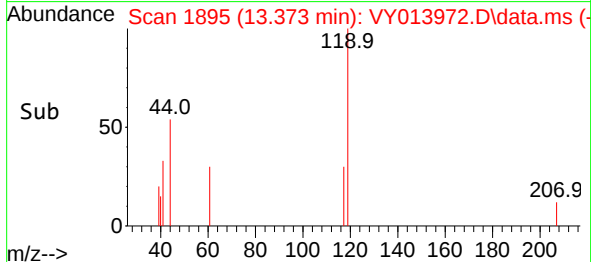
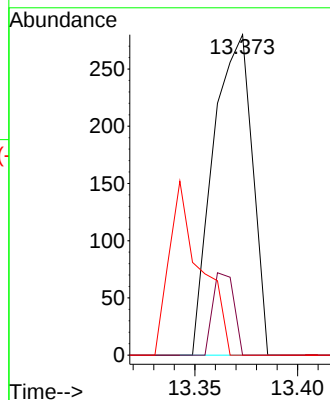
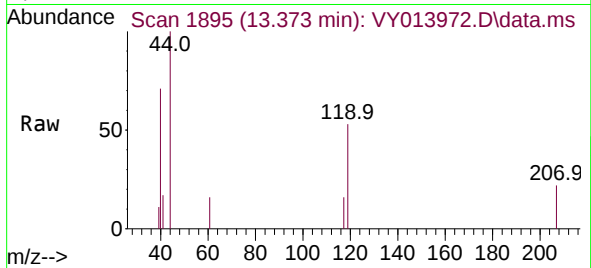




#86
p-Isopropyltoluene
Concen: 2.646 ug/l
RT: 13.373 min Scan# 119
Delta R.T. 0.006 min
Lab File: VY013972.D
Acq: 01 Jun 2023 18:25

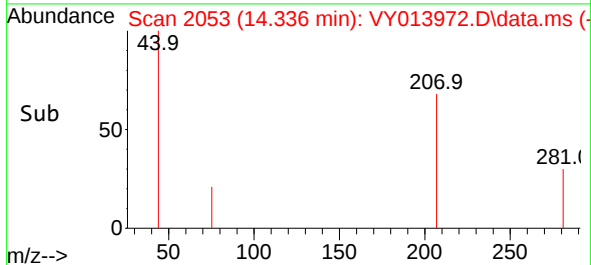
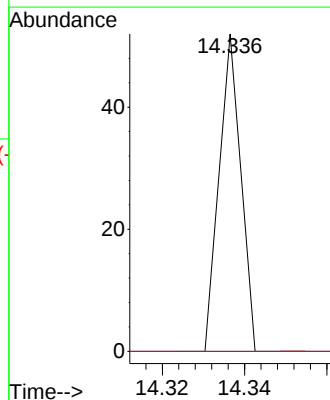
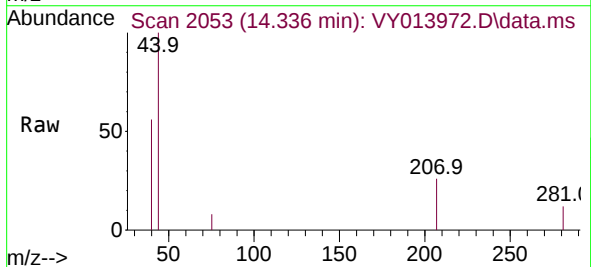
Instrument :
MSVOA_Y
ClientSampleId :
SB07RE

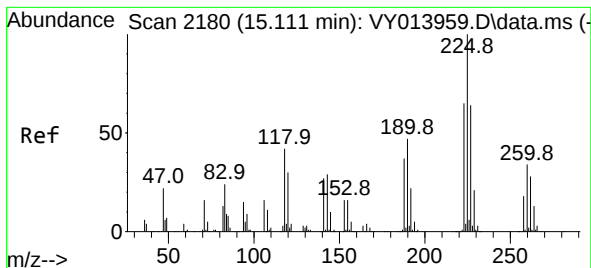
Tgt Ion:119 Resp: 370
Ion Ratio Lower Upper
119 100
134 13.8 13.3 39.8
91 0.0 12.4 37.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.374 ug/l
RT: 14.336 min Scan# 2053
Delta R.T. -0.018 min
Lab File: VY013972.D
Acq: 01 Jun 2023 18:25

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 51.8 155.5#





#94

Hexachlorobutadiene

Concen: 1.017 ug/l

RT: 15.117 min Scan# 2180

Delta R.T. 0.006 min

Lab File: VY013972.D

Acq: 01 Jun 2023 18:25

Instrument :

MSVOA_Y

ClientSampleId :

SB07RE

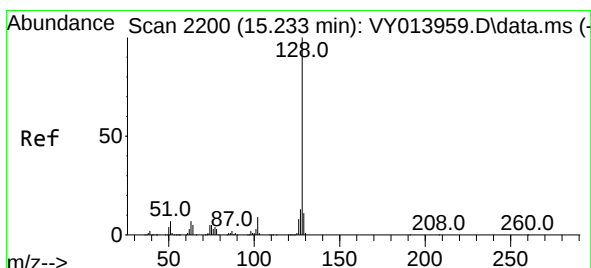
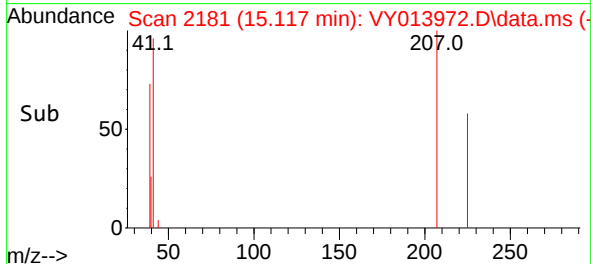
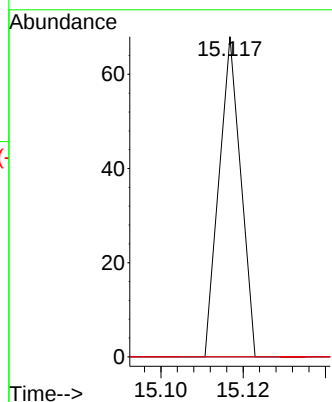
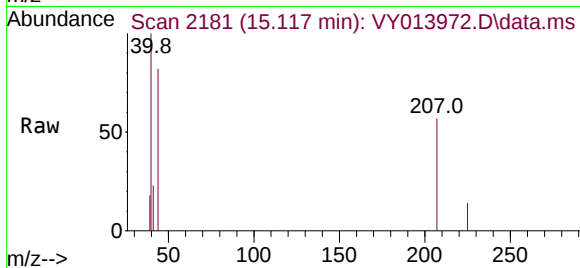
Tgt Ion:225 Resp: 25

Ion Ratio Lower Upper

225 100

223 0.0 31.9 95.9#

227 0.0 33.0 98.9#



#95

Naphthalene

Concen: 4.900 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY013972.D

Acq: 01 Jun 2023 18:25

Tgt Ion:128 Resp: 124

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.6 13.0#

