

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120722\
 Data File : VY011723.D
 Acq On : 07 Dec 2022 11:10
 Operator : KP/MD
 Sample : VY1207SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1207SBL01

Quant Time: Dec 08 07:55:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

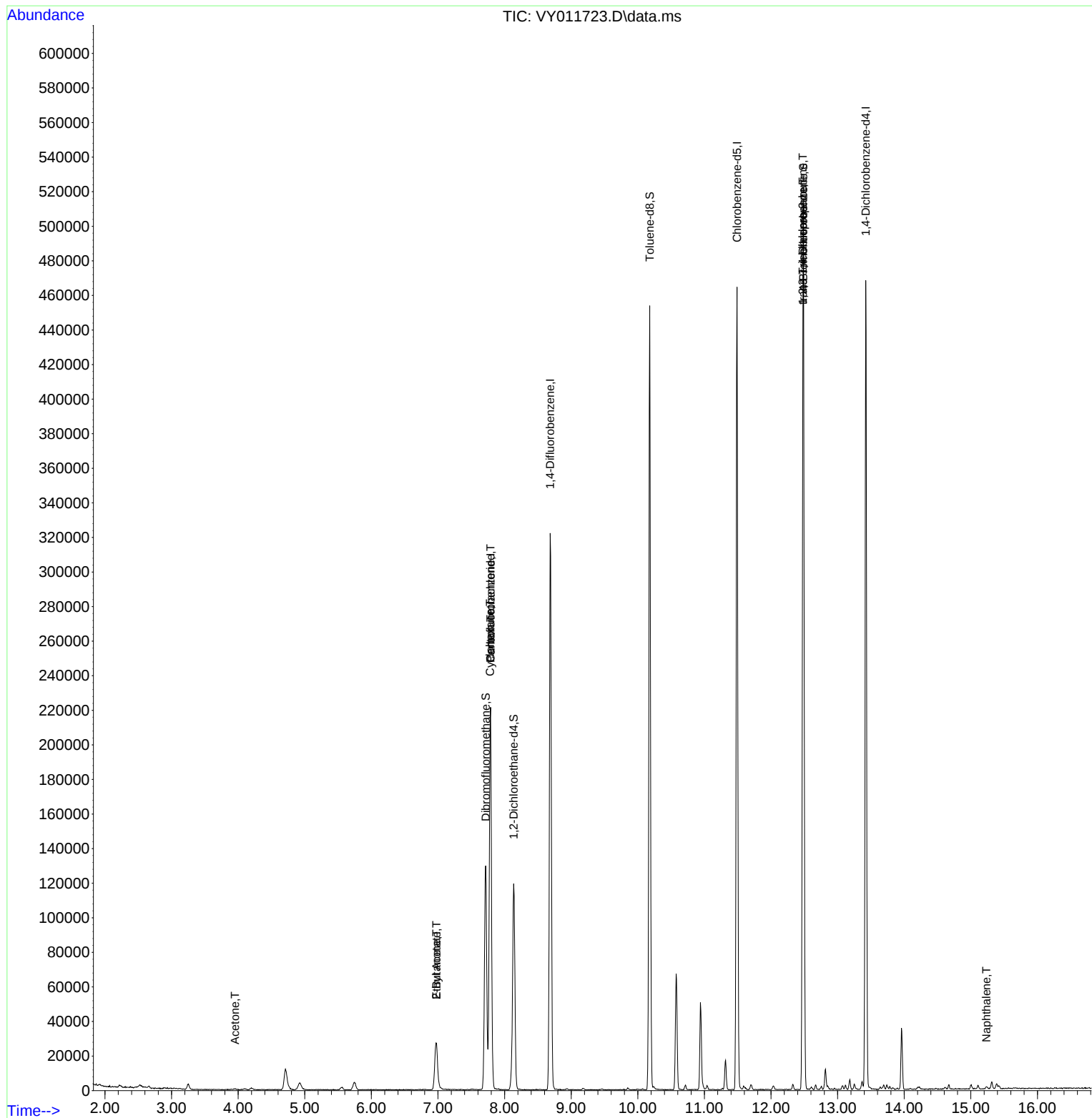
Internal Standards						
1) Pentafluorobenzene	7.789	168	173126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	278953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	250851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	119996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	93438	53.153	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.300%	
35) Dibromofluoromethane	7.716	113	91751	53.430	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.860%	
50) Toluene-d8	10.179	98	287726	46.108	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.220%	
62) 4-Bromofluorobenzene	12.483	95	107873	46.755	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.520%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	291	Below Cal		82
3) Chloromethane	2.107	50	342	Below Cal	#	44
5) Bromomethane	2.656	94	451	Below Cal	#	68
11) Tert butyl alcohol	4.936	59	4289	Below Cal	#	77
16) Acetone	3.954	43	911	1.595	ug/l #	77
18) Methyl Acetate	4.503	43	19	Below Cal	#	56
20) Methylene Chloride	4.710	84	8812	Below Cal	#	81
25) 2-Butanone	6.978	43	1533	2.043	ug/l #	87
31) Cyclohexane	7.783	56	3666	1.258	ug/l #	1
37) Ethyl Acetate	6.978	43	1533	1.003	ug/l #	1
38) Carbon Tetrachloride	7.789	117	17356	5.779	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	58124	44.978	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	58124	98.517	ug/l #	8
95) Naphthalene	15.233	128	1514	4.348	ug/l #	70

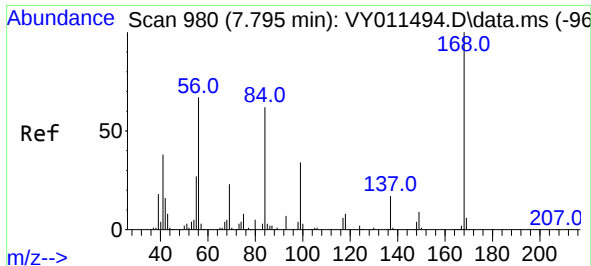
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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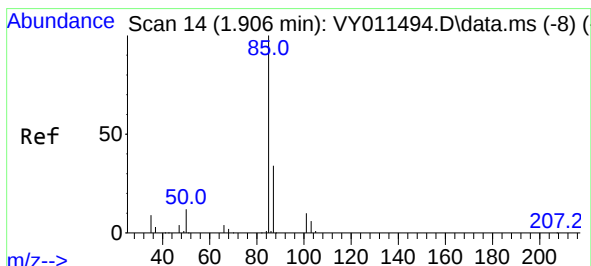
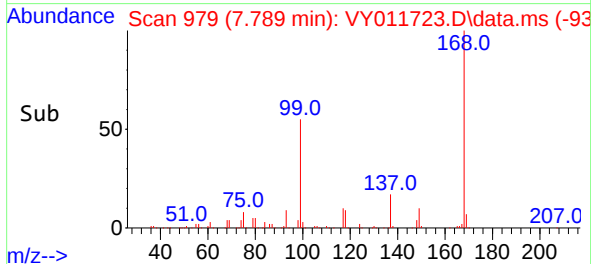
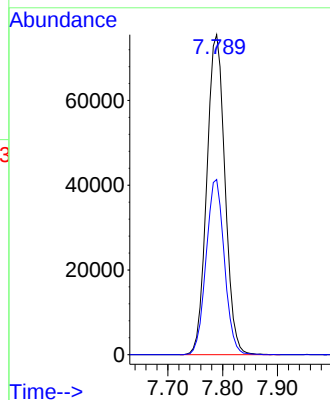
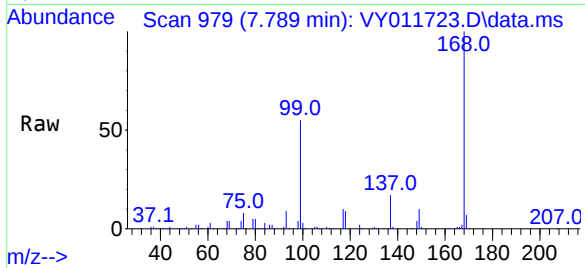




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011723.D
Acq: 07 Dec 2022 11:10

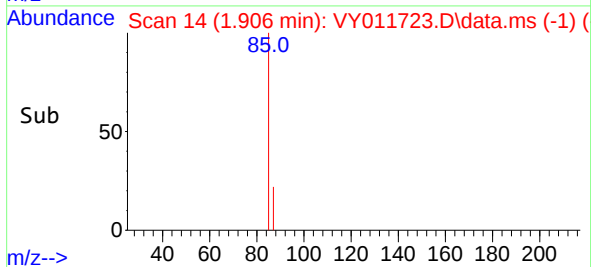
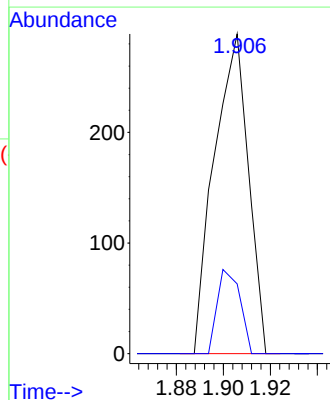
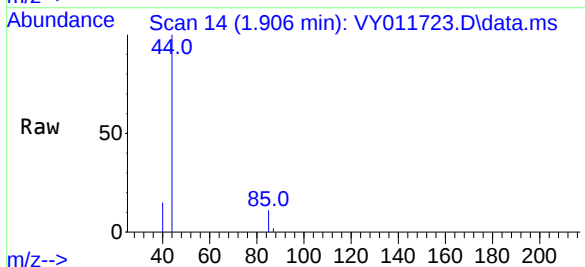
Instrument :
MSVOA_Y
ClientSampleId :
VY1207SBL01

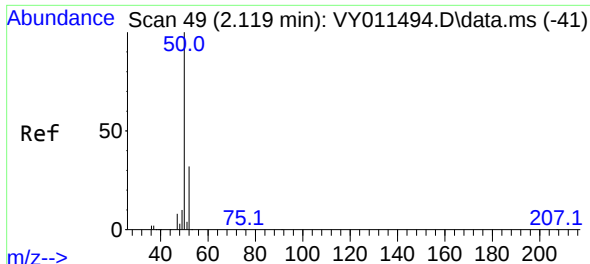
Tgt Ion:168 Resp: 173126
Ion Ratio Lower Upper
168 100
99 54.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011723.D
Acq: 07 Dec 2022 11:10

Tgt Ion: 85 Resp: 291
Ion Ratio Lower Upper
85 100
87 21.8 16.1 48.2

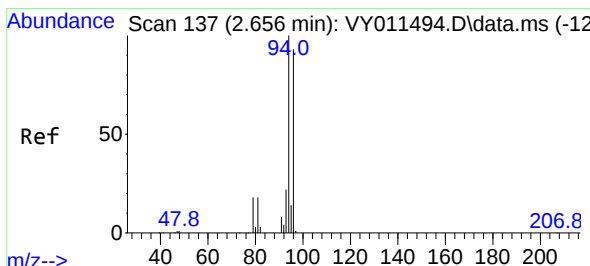
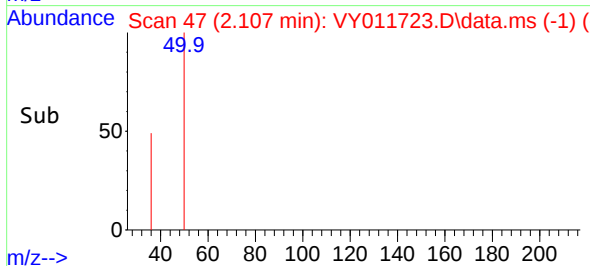
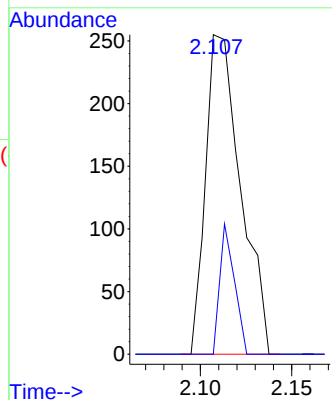
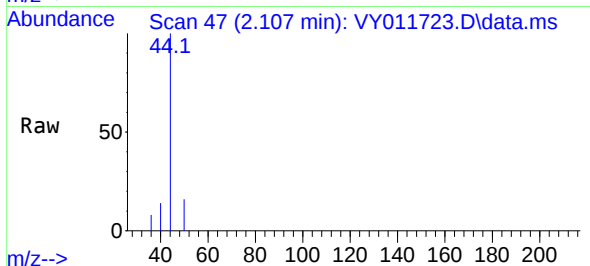




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY011723.D
Acq: 07 Dec 2022 11:10

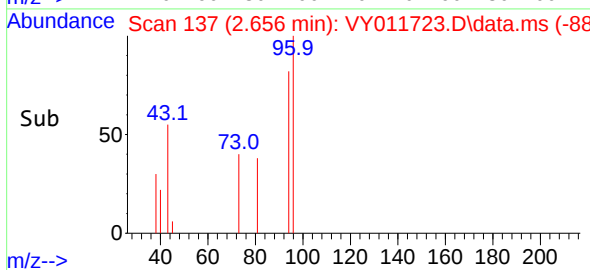
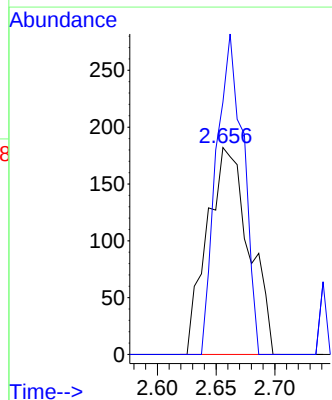
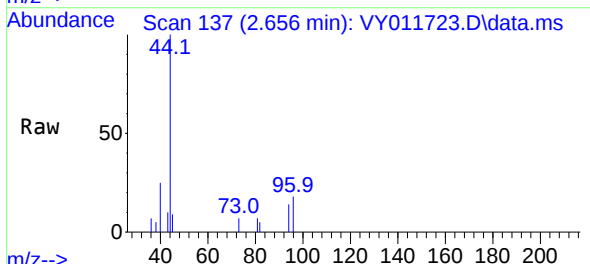
Instrument :
MSVOA_Y
ClientSampleId :
VY1207SBL01

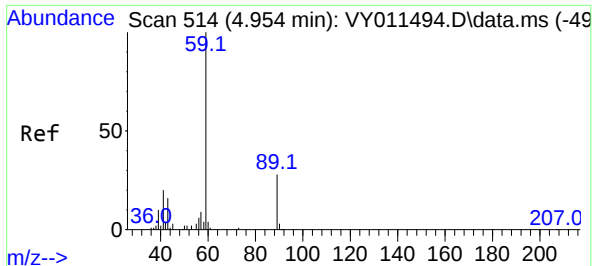
Tgt Ion: 50 Resp: 342
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. -0.000 min
Lab File: VY011723.D
Acq: 07 Dec 2022 11:10

Tgt Ion: 94 Resp: 451
Ion Ratio Lower Upper
94 100
96 122.0 73.5 110.3#

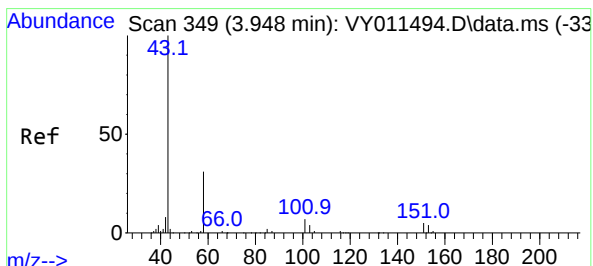
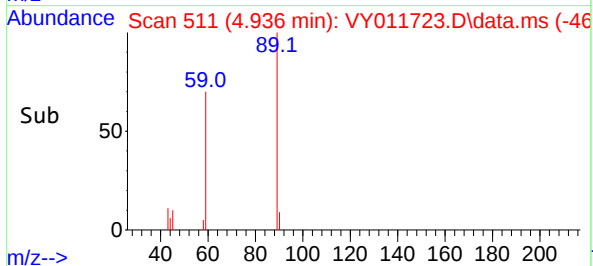
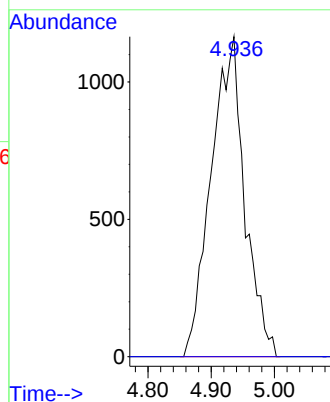
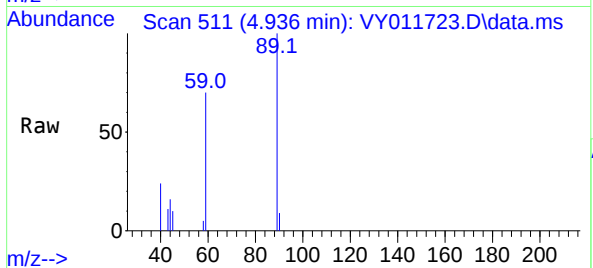




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 51
Delta R.T. -0.018 min
Lab File: VY011723.D
Acq: 07 Dec 2022 11:10

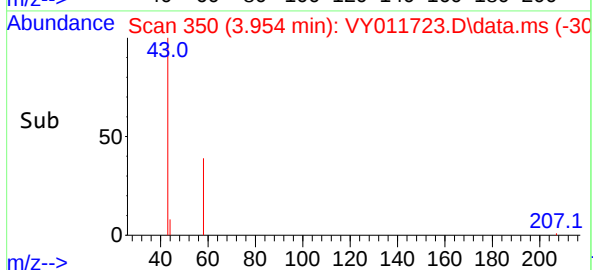
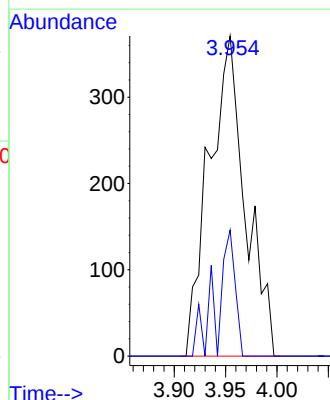
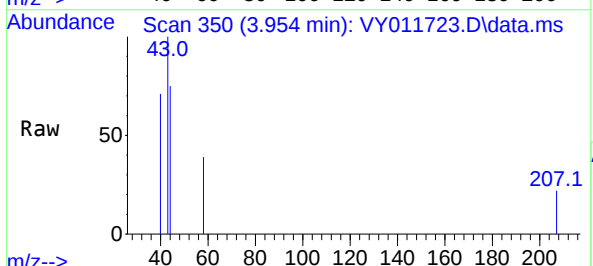
Instrument :
MSVOA_Y
ClientSampleId :
VY1207SBL01

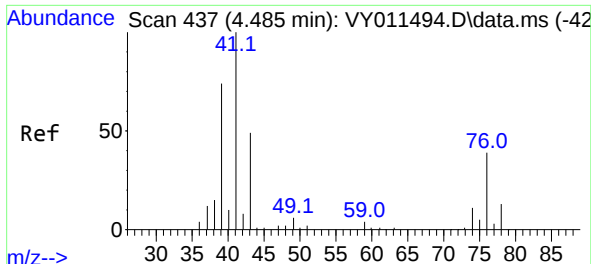
Tgt Ion: 59 Resp: 4289
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 1.595 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011723.D
Acq: 07 Dec 2022 11:10

Tgt Ion: 43 Resp: 911
Ion Ratio Lower Upper
43 100
58 39.4 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.503 min Scan# 44

Delta R.T. 0.018 min

Lab File: VY011723.D

Acq: 07 Dec 2022 11:10

Instrument :

MSVOA_Y

ClientSampleId :

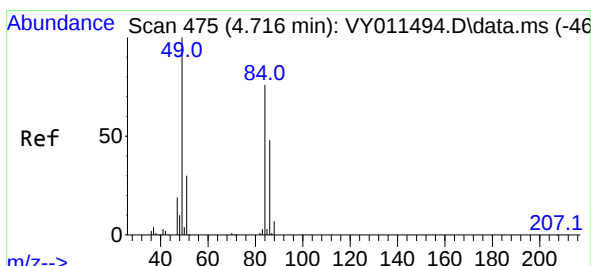
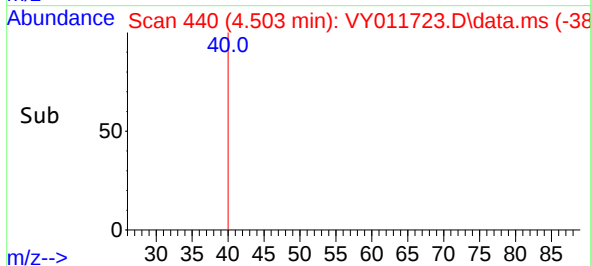
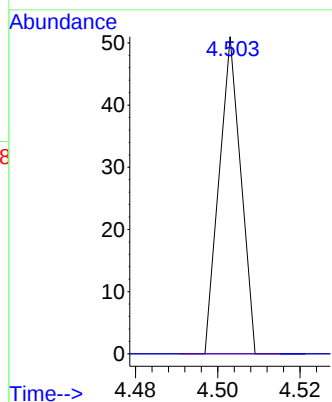
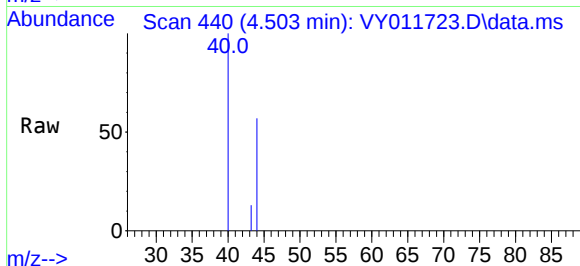
VY1207SBL01

Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY011723.D

Acq: 07 Dec 2022 11:10

Tgt Ion: 84 Resp: 8812

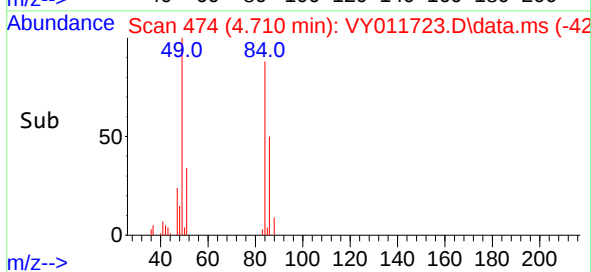
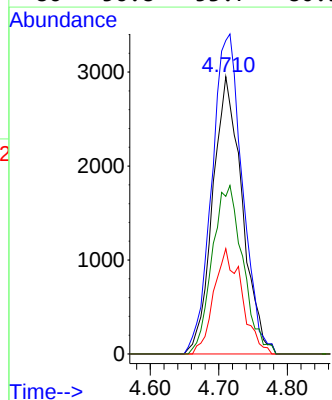
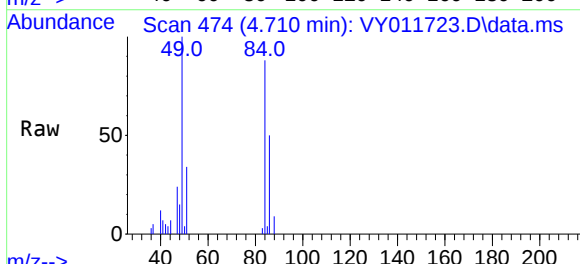
Ion Ratio Lower Upper

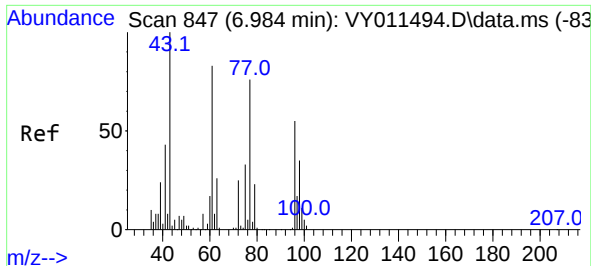
84 100

49 113.1 114.4 171.6#

51 38.0 35.3 52.9

86 56.8 53.7 80.5





#25

2-Butanone

Concen: 2.043 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY011723.D

Acq: 07 Dec 2022 11:10

Instrument :

MSVOA_Y

ClientSampleId :

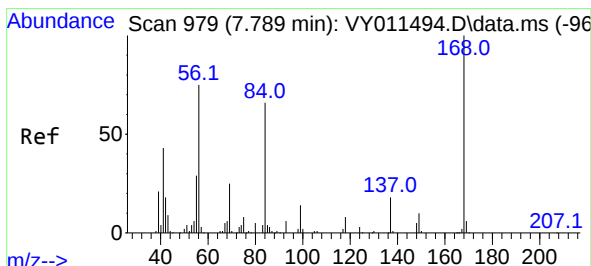
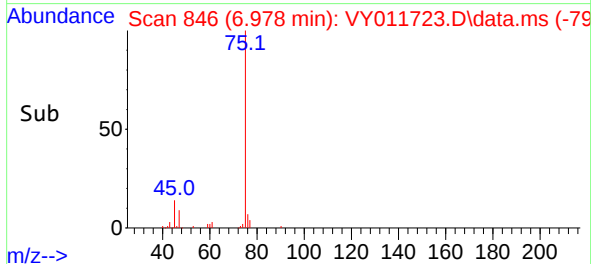
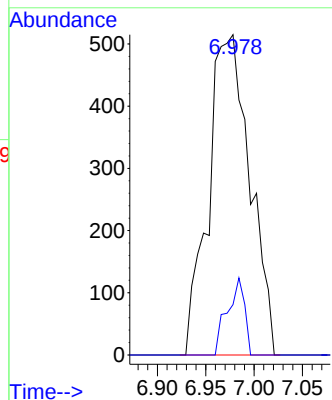
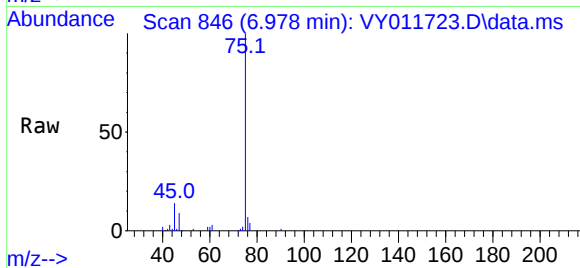
VY1207SBL01

Tgt Ion: 43 Resp: 1533

Ion Ratio Lower Upper

43 100

72 15.7 17.7 26.5#



#31

Cyclohexane

Concen: 1.258 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY011723.D

Acq: 07 Dec 2022 11:10

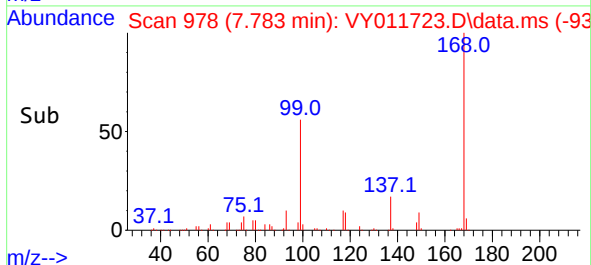
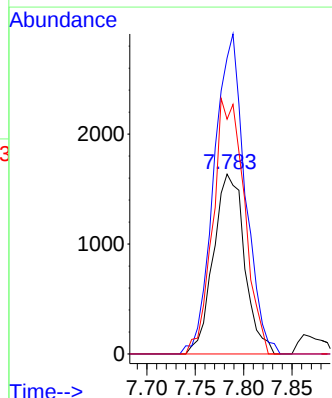
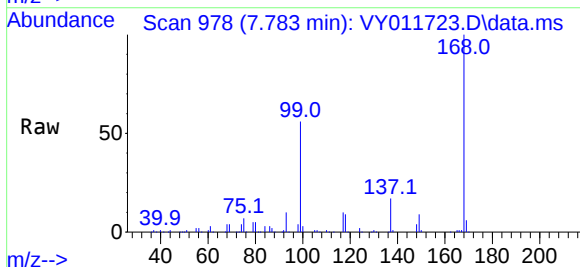
Tgt Ion: 56 Resp: 3666

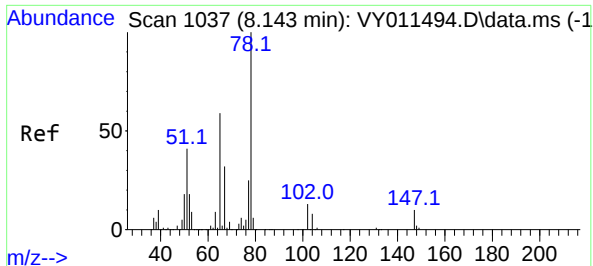
Ion Ratio Lower Upper

56 100

69 164.6 26.7 40.1#

84 130.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 53.153 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY011723.D

Acq: 07 Dec 2022 11:10

Instrument :

MSVOA_Y

ClientSampleId :

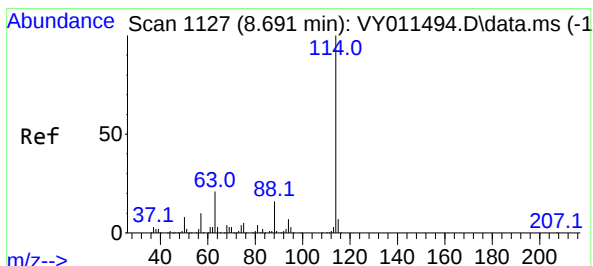
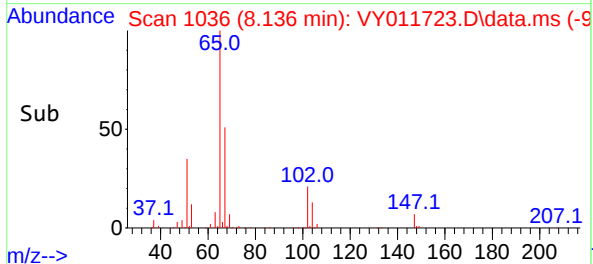
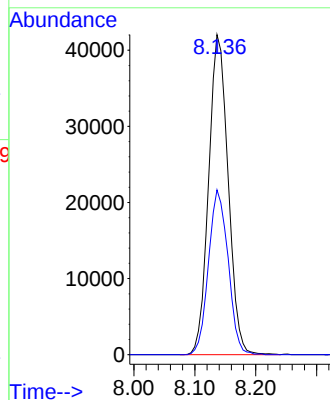
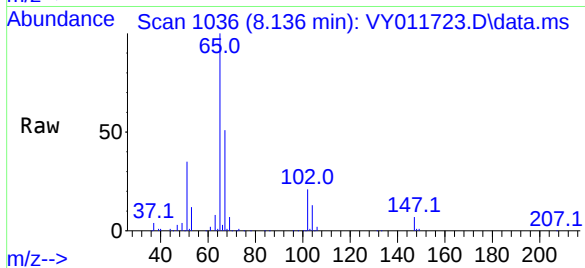
VY1207SBL01

Tgt Ion: 65 Resp: 93438

Ion Ratio Lower Upper

65 100

67 51.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011723.D

Acq: 07 Dec 2022 11:10

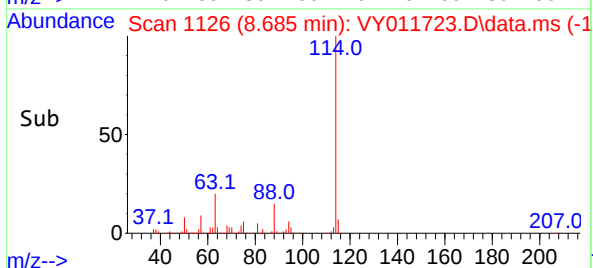
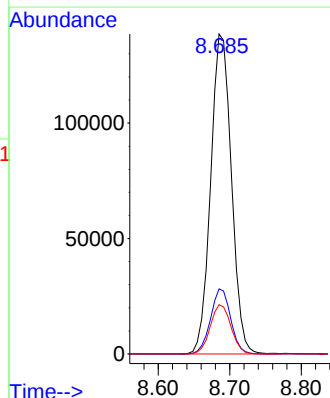
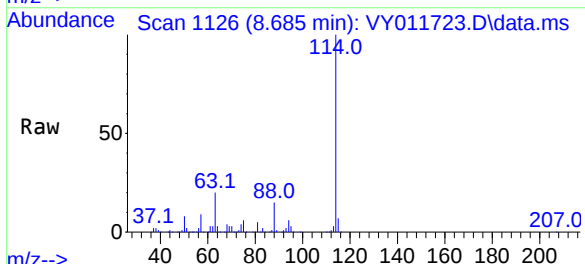
Tgt Ion: 114 Resp: 278953

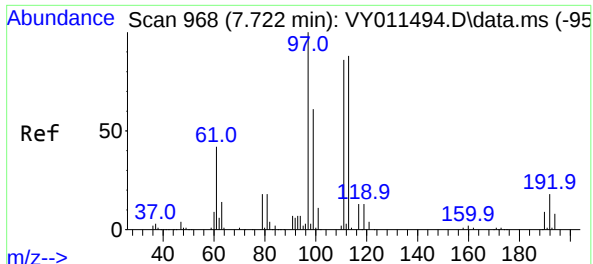
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

88 15.4 0.0 31.8

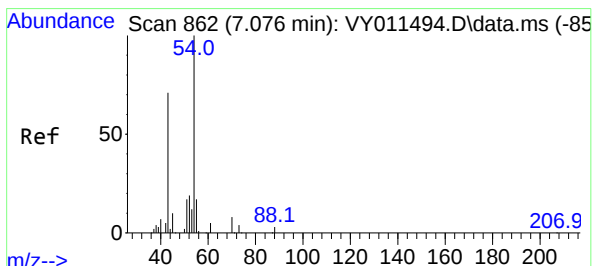
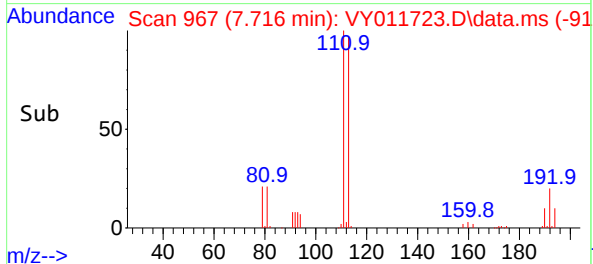
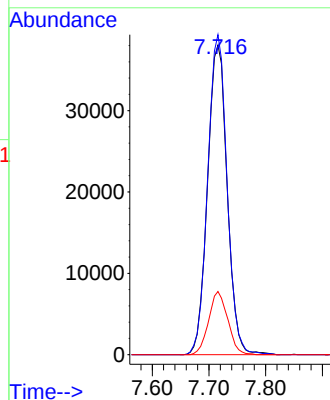
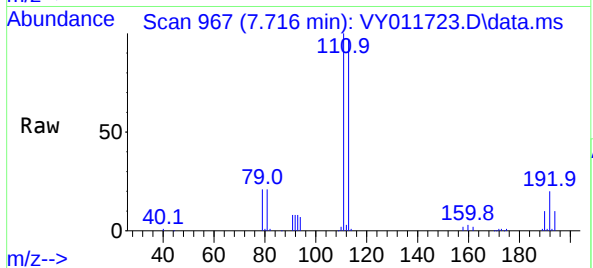




#35
Dibromofluoromethane
Concen: 53.430 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011723.D
Acq: 07 Dec 2022 11:10

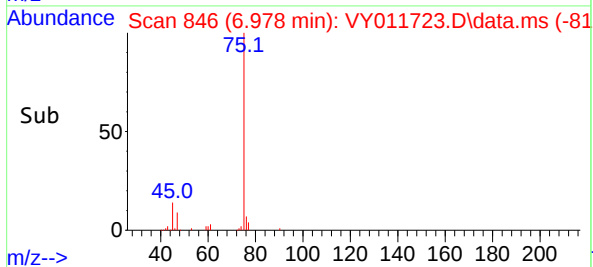
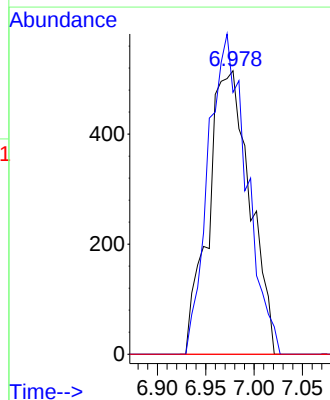
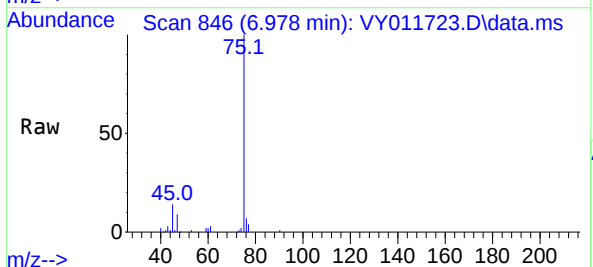
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VY1207SBL01

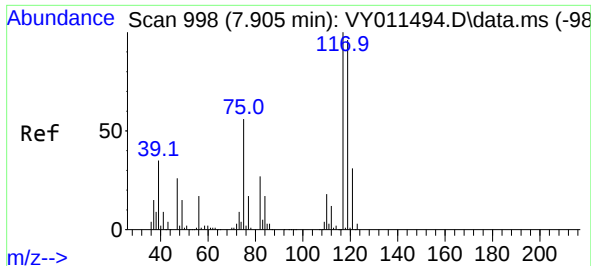
Tgt Ion:113 Resp: 91751
Ion Ratio Lower Upper
113 100
111 101.7 82.6 124.0
192 19.8 17.6 26.4



#37
Ethyl Acetate
Concen: 1.003 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.098 min
Lab File: VY011723.D
Acq: 07 Dec 2022 11:10

Tgt Ion: 43 Resp: 1533
Ion Ratio Lower Upper
43 100
61 104.1 9.7 14.5#
70 0.0 7.1 10.7#

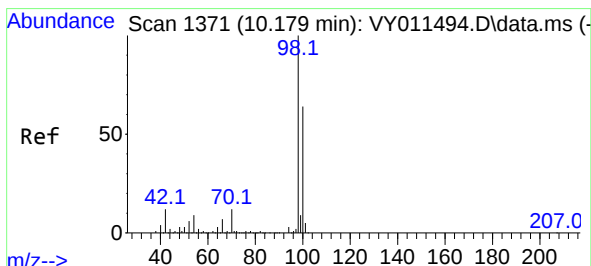
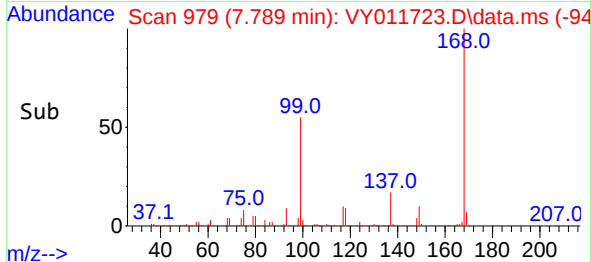
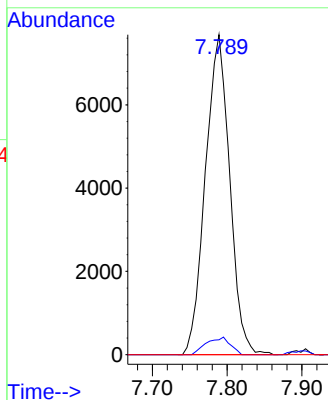
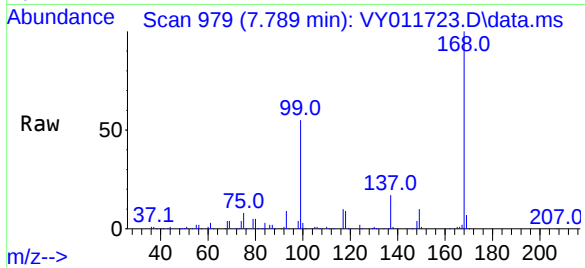




#38
Carbon Tetrachloride
Concen: 5.779 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011723.D
Acq: 07 Dec 2022 11:10

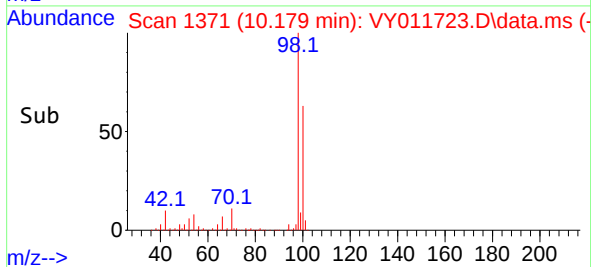
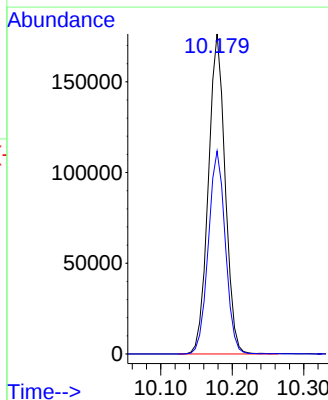
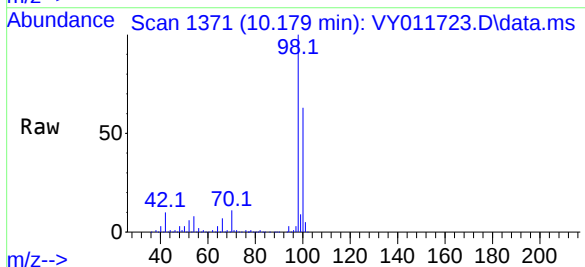
Instrument :
MSVOA_Y
ClientSampleId :
VY1207SBL01

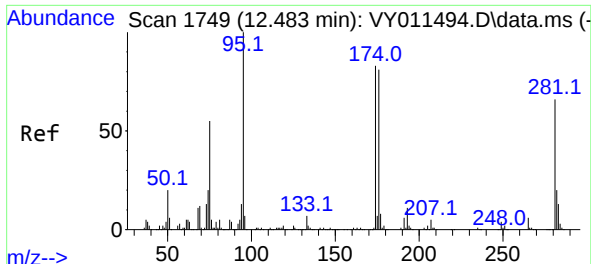
Tgt Ion:117 Resp: 17356
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 46.108 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011723.D
Acq: 07 Dec 2022 11:10

Tgt Ion: 98 Resp: 287726
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2

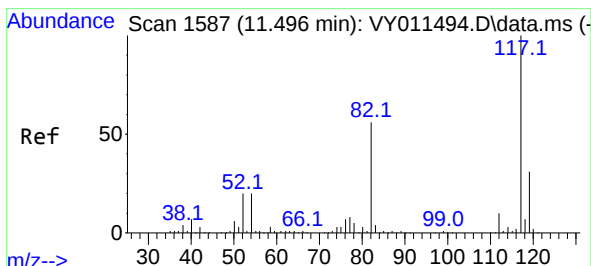
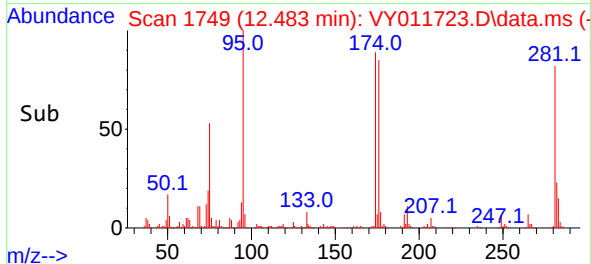
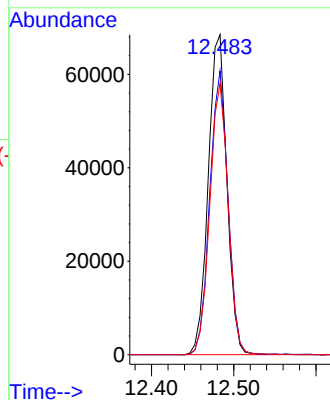
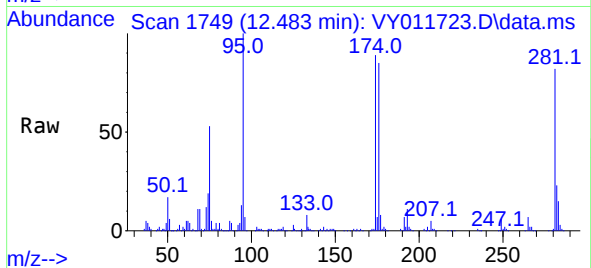




#62
4-Bromofluorobenzene
Concen: 46.755 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011723.D
Acq: 07 Dec 2022 11:10

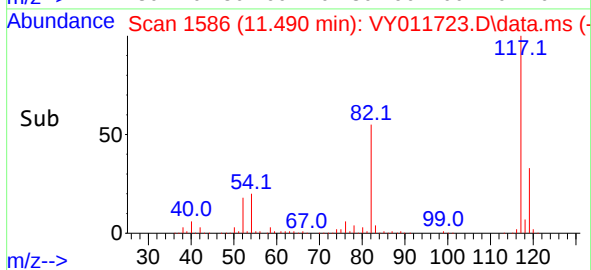
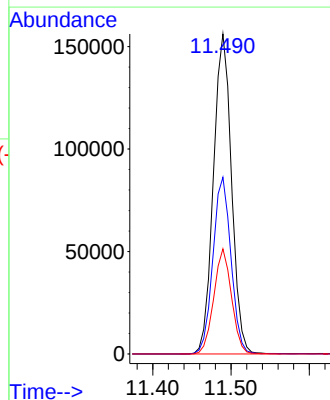
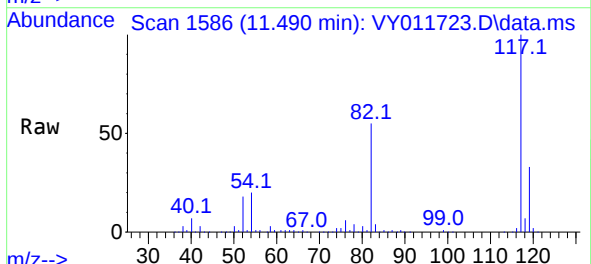
Instrument :
MSVOA_Y
ClientSampleId :
VY1207SBL01

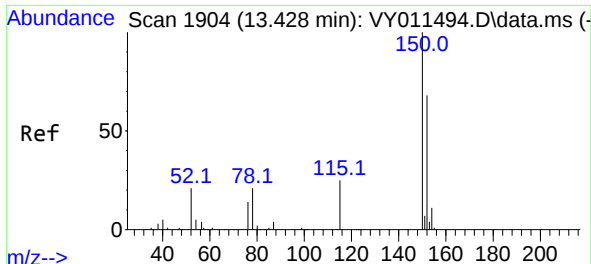
Tgt Ion: 95 Resp: 107873
Ion Ratio Lower Upper
95 100
174 86.7 0.0 177.0
176 83.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY011723.D
Acq: 07 Dec 2022 11:10

Tgt Ion: 117 Resp: 250851
Ion Ratio Lower Upper
117 100
82 55.2 43.0 64.4
119 32.8 25.4 38.0

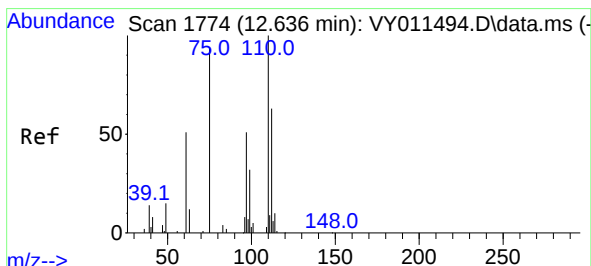
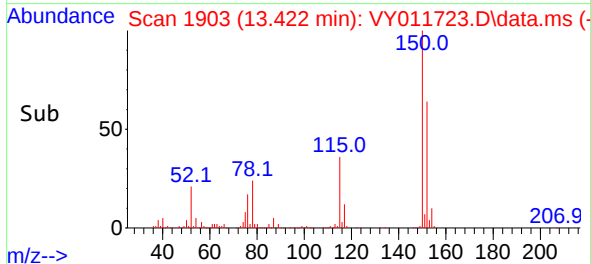
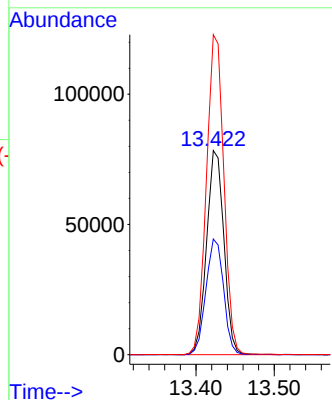
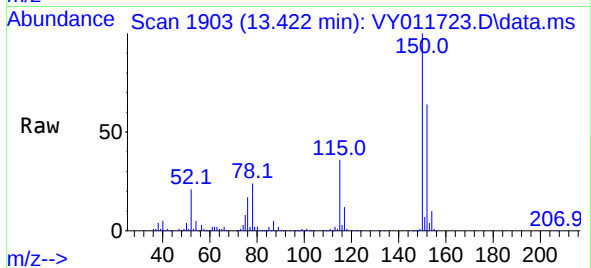




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY011723.D
 Acq: 07 Dec 2022 11:10

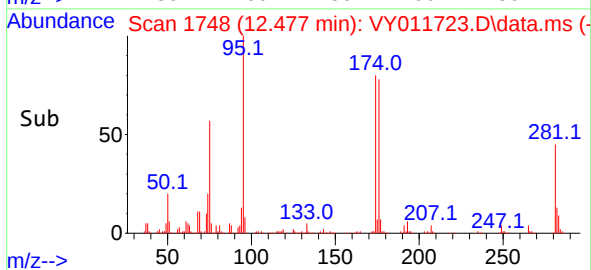
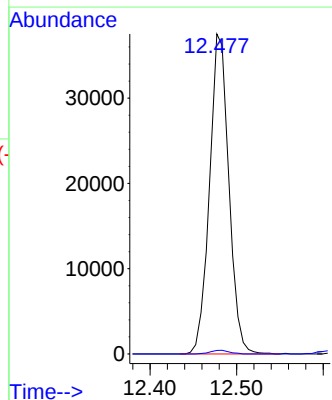
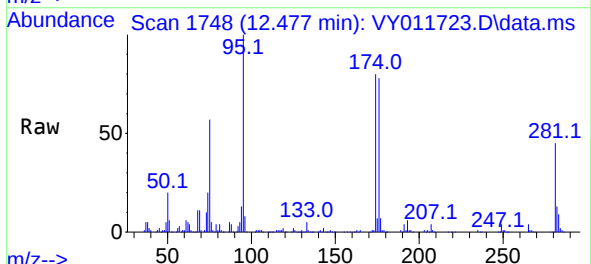
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1207SBL01

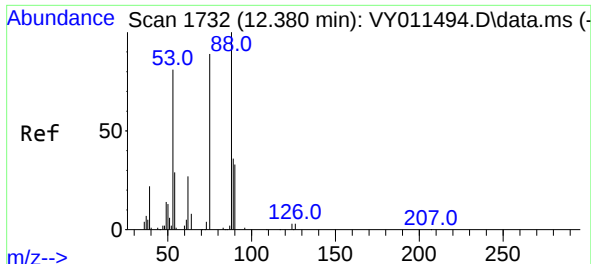
Tgt Ion:152 Resp: 119996
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.2 84.7
 150 157.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.978 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.159 min
 Lab File: VY011723.D
 Acq: 07 Dec 2022 11:10

Tgt Ion: 75 Resp: 58124
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

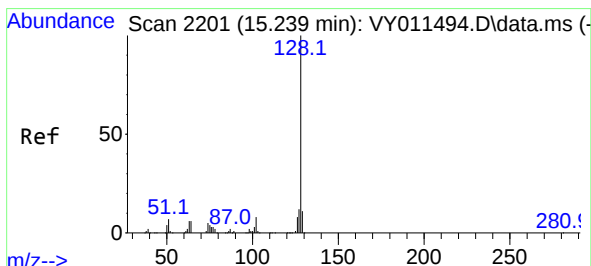
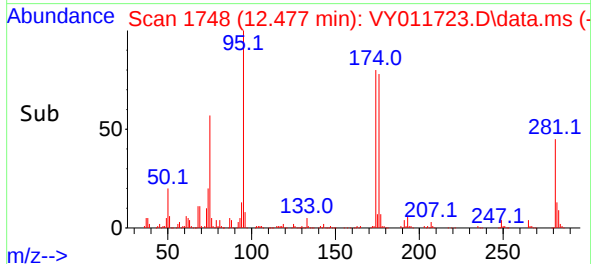
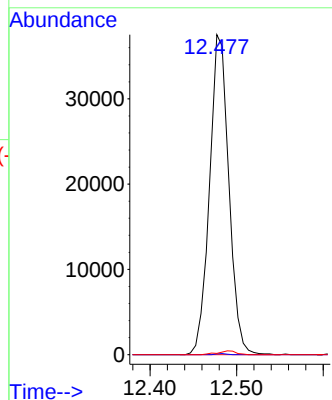
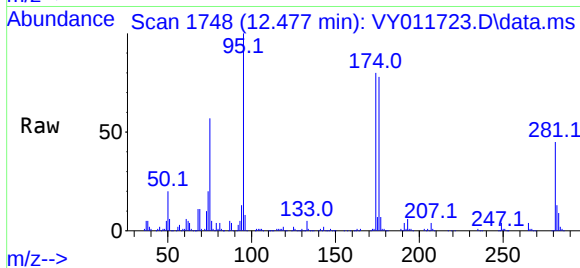




#81
trans-1,4-Dichloro-2-butene
Concen: 98.517 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011723.D
Acq: 07 Dec 2022 11:10

Instrument :
MSVOA_Y
ClientSampleId :
VY1207SBL01

Tgt Ion: 75 Resp: 58124
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 1.1 37.0 55.4#



#95
Naphthalene
Concen: 4.348 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY011723.D
Acq: 07 Dec 2022 11:10

Tgt Ion: 128 Resp: 1514
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 1.3 8.4 12.6#

