

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011834.D
 Acq On : 14 Dec 2022 11:02
 Operator : KP/MD
 Sample : VY1214SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1214SBL01

Quant Time: Dec 15 01:16:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	191571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	310621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	272595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	126037	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66597	51.044	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.080%	
35) Dibromofluoromethane	7.722	113	68982	49.983	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.960%	
50) Toluene-d8	10.179	98	201788	43.770	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 87.540%	
62) 4-Bromofluorobenzene	12.483	95	79375	43.479	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.960%	

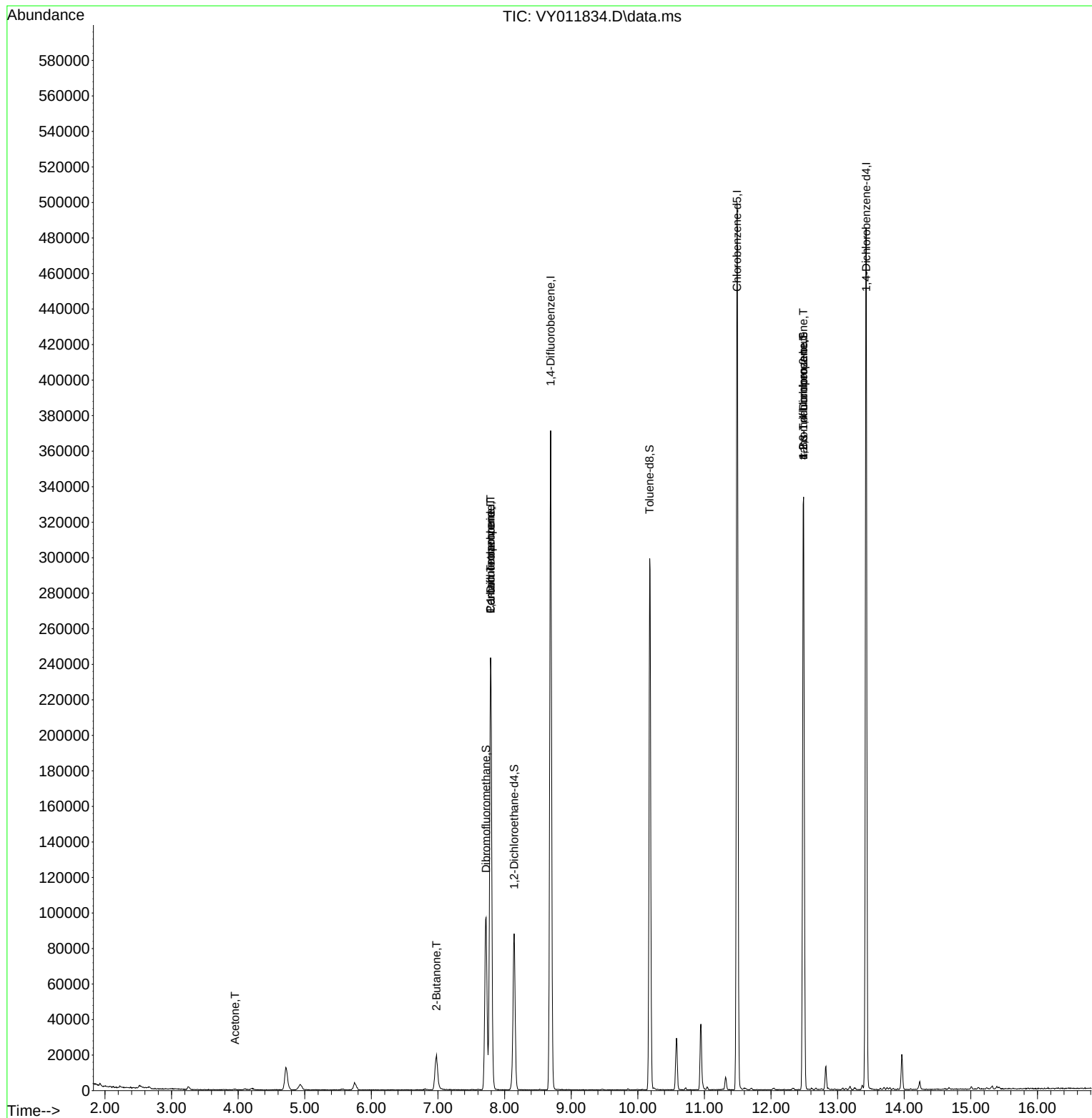
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.900	85	106	Below Cal	#	41
3) Chloromethane	2.113	50	230	Below Cal	#	41
5) Bromomethane	2.662	94	361	Below Cal	#	57
11) Tert butyl alcohol	4.936	59	3353	Below Cal	#	74
16) Acetone	3.954	43	692	1.323	ug/l #	73
18) Methyl Acetate	4.692	43	48	Below Cal	#	50
20) Methylene Chloride	4.722	84	9156	Below Cal		96
25) 2-Butanone	6.978	43	1065	1.583	ug/l #	46
31) Cyclohexane	7.789	56	3820	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	14173	6.013	ug/l #	49
38) Carbon Tetrachloride	7.789	117	18432	6.657	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	41370	32.443	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	41370	73.619	ug/l #	13

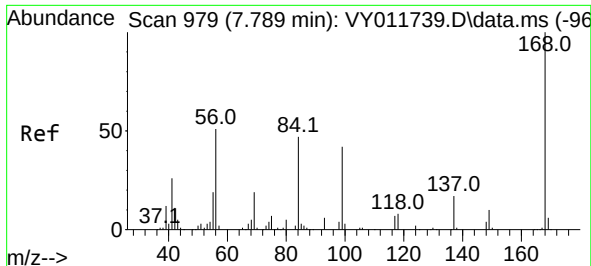
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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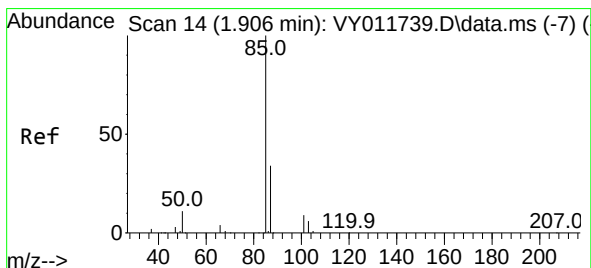
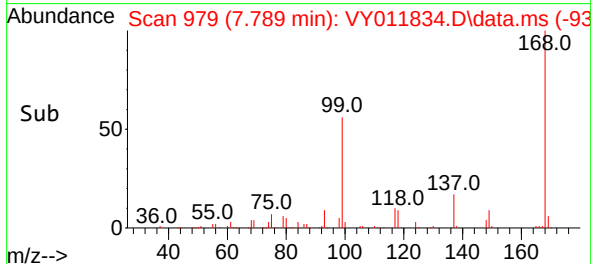
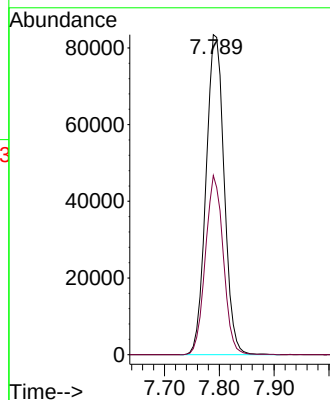
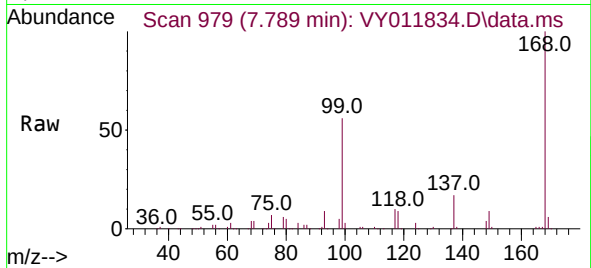




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011834.D
Acq: 14 Dec 2022 11:02

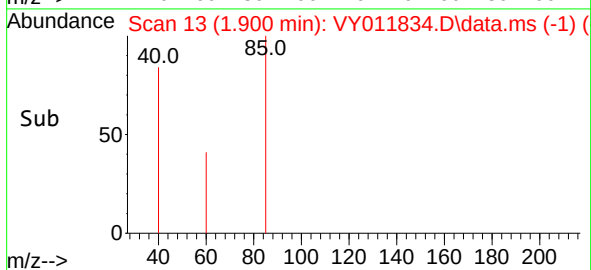
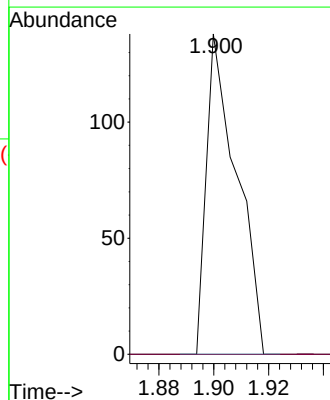
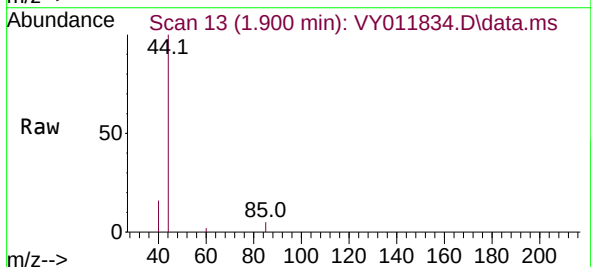
Instrument :
MSVOA_Y
ClientSampleId :
VY1214SBL01

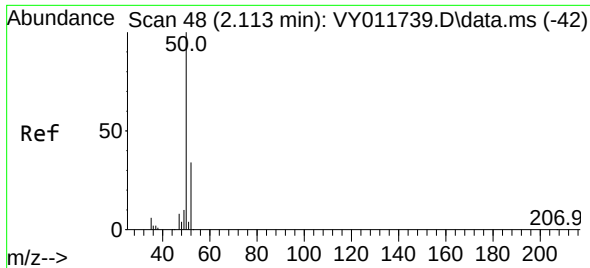
Tgt Ion:168 Resp: 191571
Ion Ratio Lower Upper
168 100
99 56.0 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011834.D
Acq: 14 Dec 2022 11:02

Tgt Ion: 85 Resp: 106
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

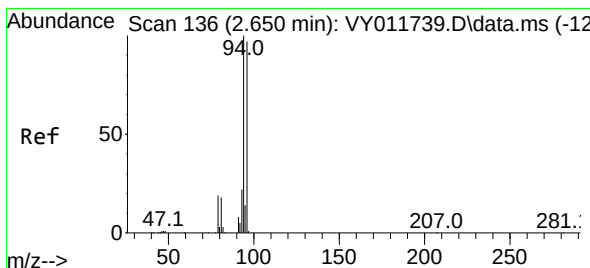
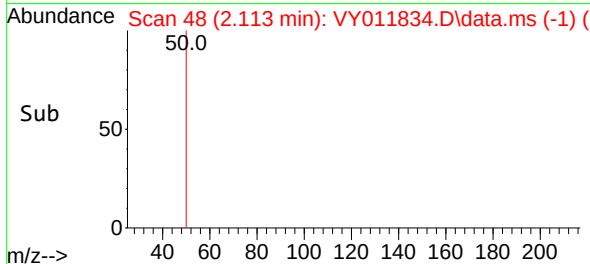
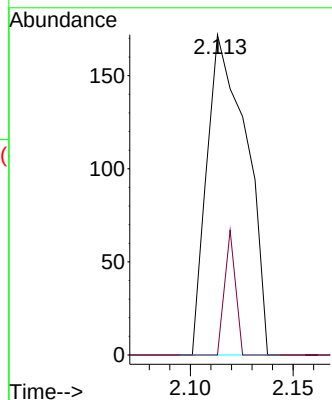
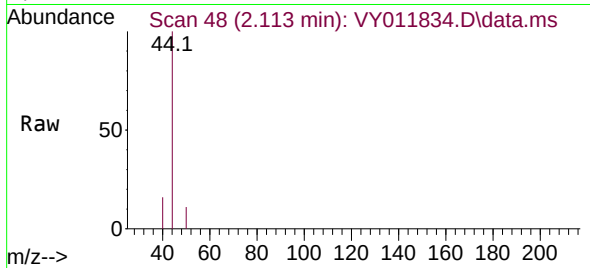




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011834.D
Acq: 14 Dec 2022 11:02

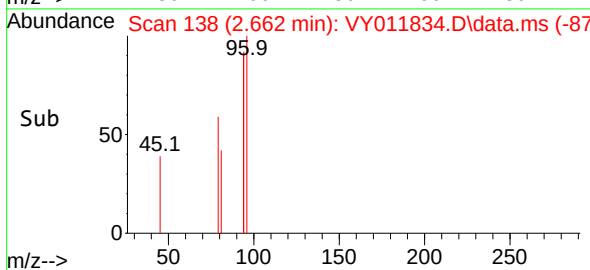
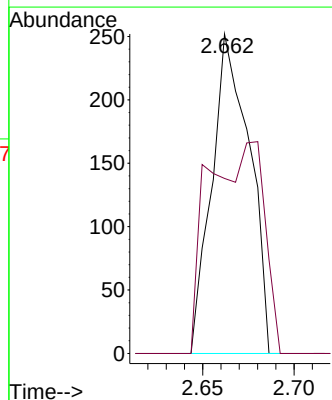
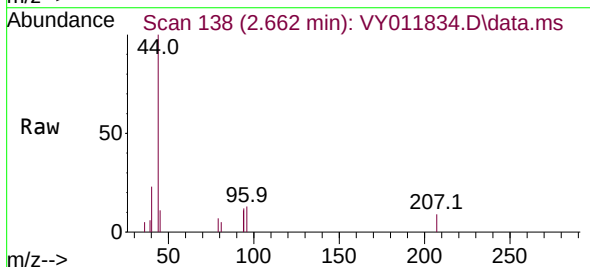
Instrument :
MSVOA_Y
ClientSampleId :
VY1214SBL01

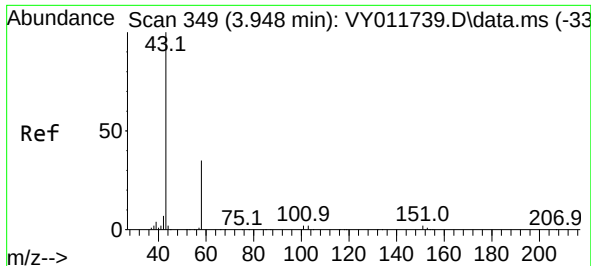
Tgt Ion: 50 Resp: 230
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY011834.D
Acq: 14 Dec 2022 11:02

Tgt Ion: 94 Resp: 361
Ion Ratio Lower Upper
94 100
96 54.8 77.4 116.2#

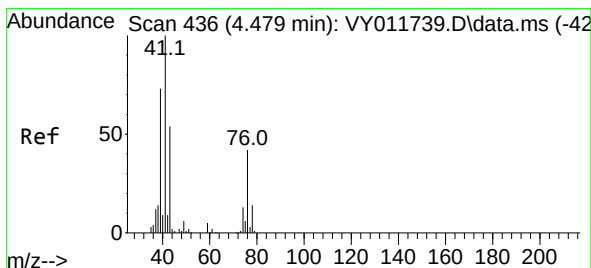
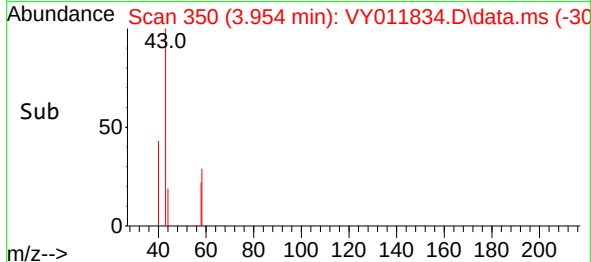
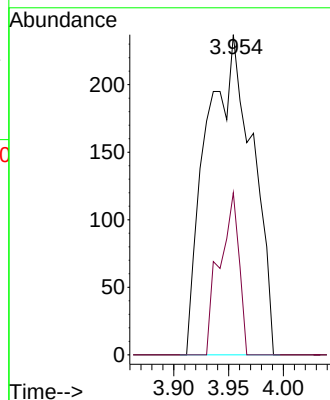
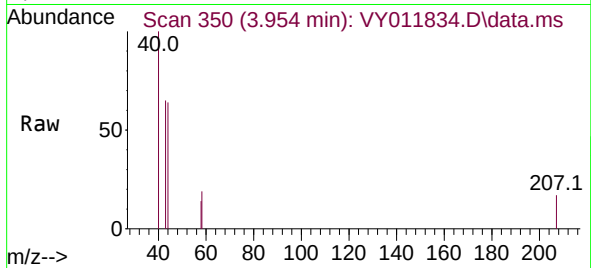




#16
Acetone
Concen: 1.323 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011834.D
Acq: 14 Dec 2022 11:02

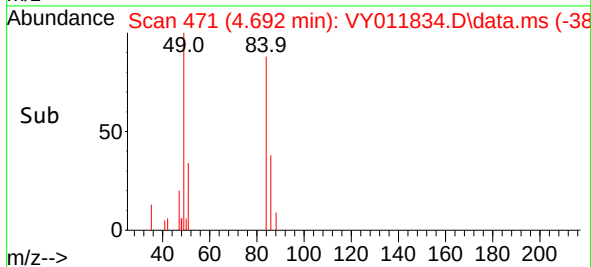
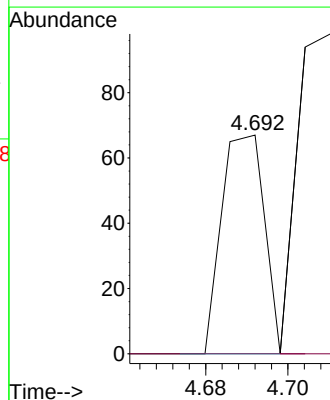
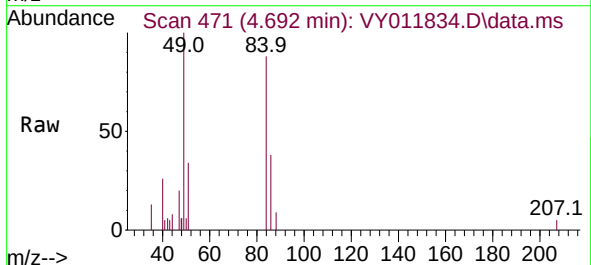
Instrument :
MSVOA_Y
ClientSampleId :
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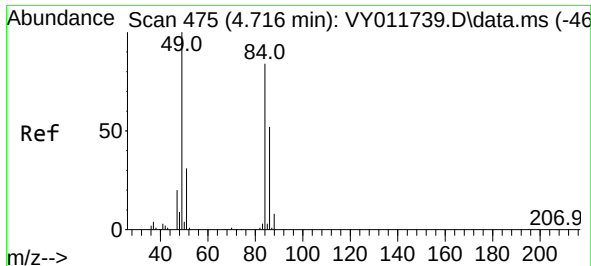
Tgt Ion: 43 Resp: 692
Ion Ratio Lower Upper
43 100
58 50.6 27.9 41.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.692 min Scan# 471
Delta R.T. 0.213 min
Lab File: VY011834.D
Acq: 14 Dec 2022 11:02

Tgt Ion: 43 Resp: 48
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#

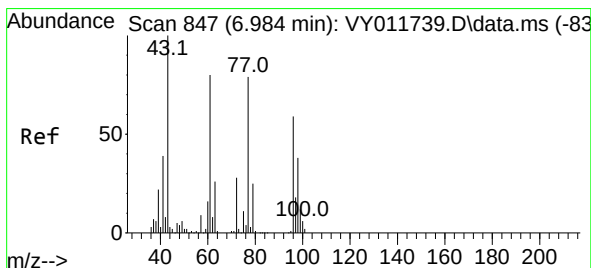
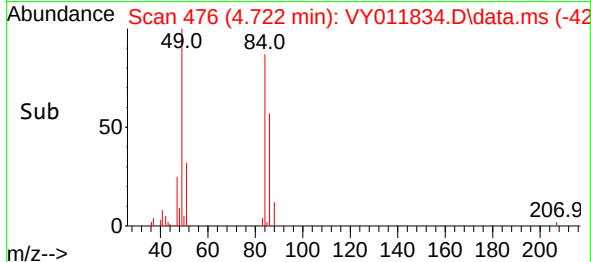
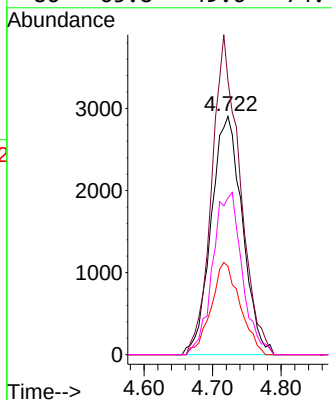
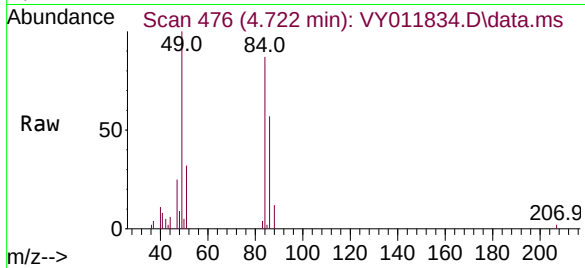




#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011834.D
Acq: 14 Dec 2022 11:02

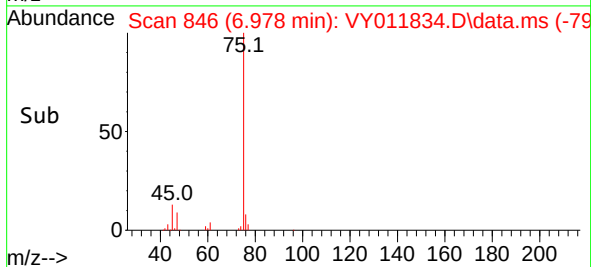
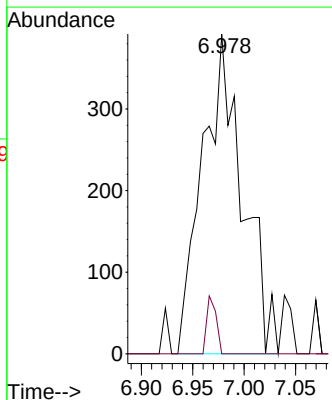
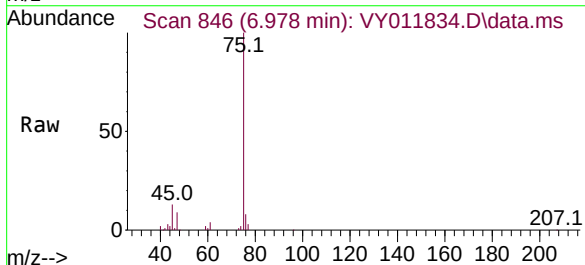
Instrument :
MSVOA_Y
ClientSampleId :
VY1214SBL01

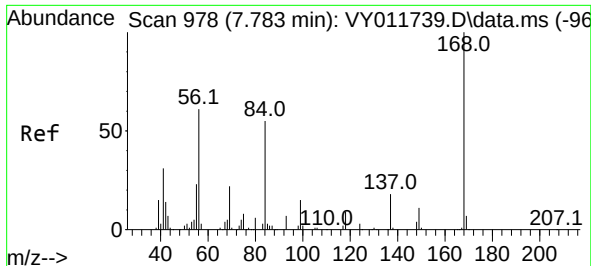
Tgt Ion:	84	Resp:	9156
Ion	Ratio	Lower	Upper
84	100		
49	115.0	95.4	143.2
51	37.2	29.9	44.9
86	65.8	49.6	74.4



#25
2-Butanone
Concen: 1.583 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011834.D
Acq: 14 Dec 2022 11:02

Tgt Ion:	43	Resp:	1065
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.6	34.0#

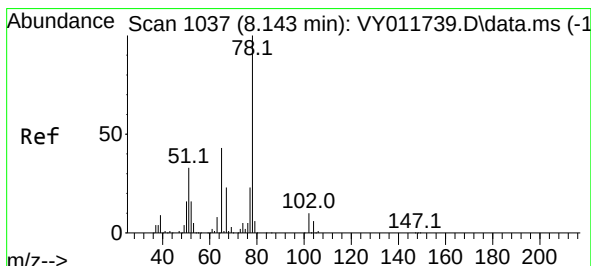
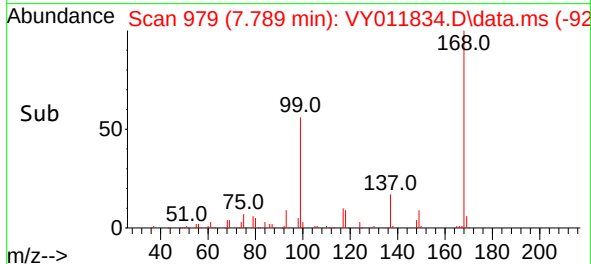
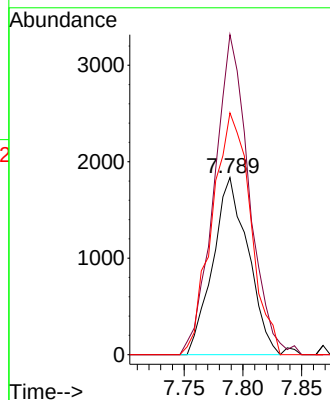
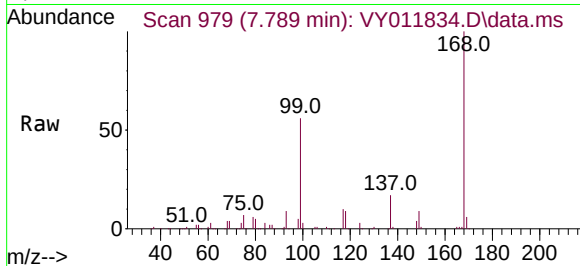




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011834.D
Acq: 14 Dec 2022 11:02

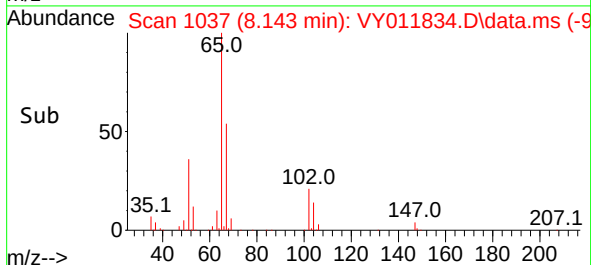
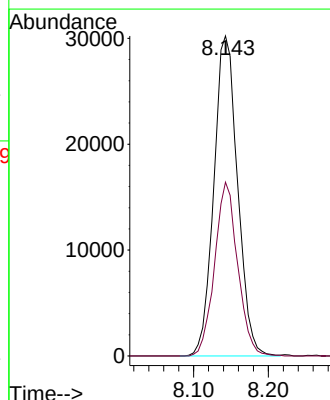
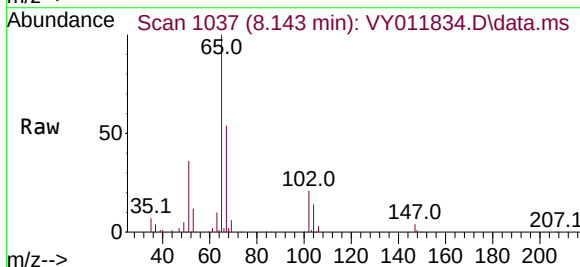
Instrument :
MSVOA_Y
ClientSampleId :
VY1214SBL01

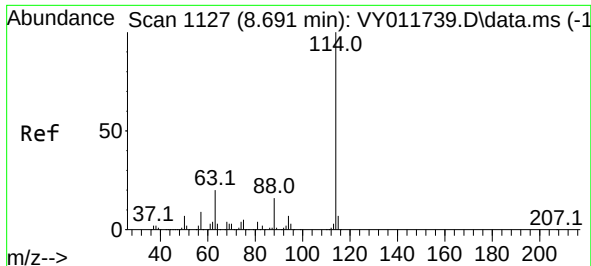
Tgt Ion: 56 Resp: 3820
Ion Ratio Lower Upper
56 100
69 180.7 29.2 43.8#
84 136.5 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 51.044 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011834.D
Acq: 14 Dec 2022 11:02

Tgt Ion: 65 Resp: 66597
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011834.D

Acq: 14 Dec 2022 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VY1214SBL01

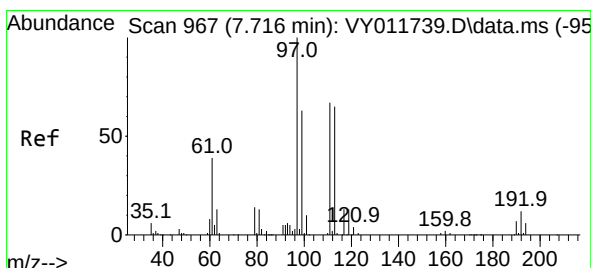
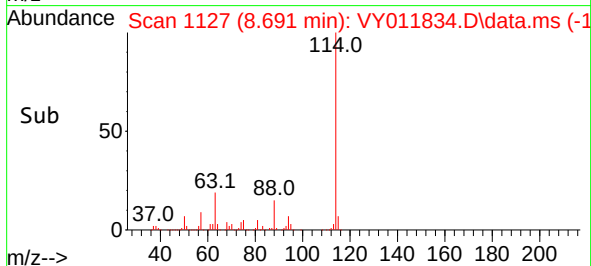
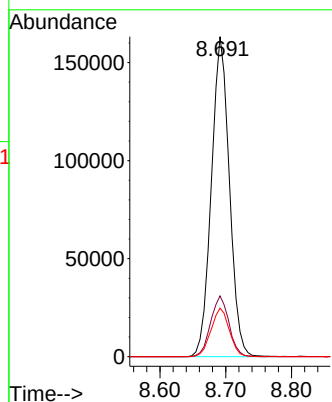
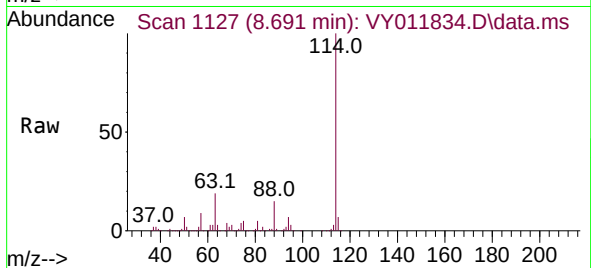
Tgt Ion:114 Resp: 310621

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 15.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 49.983 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY011834.D

Acq: 14 Dec 2022 11:02

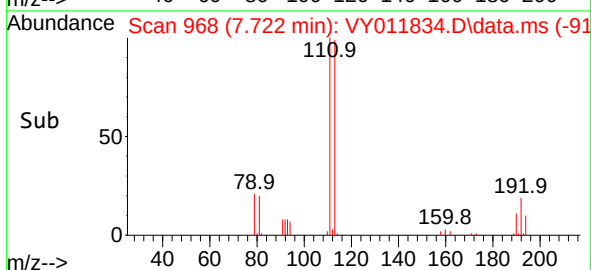
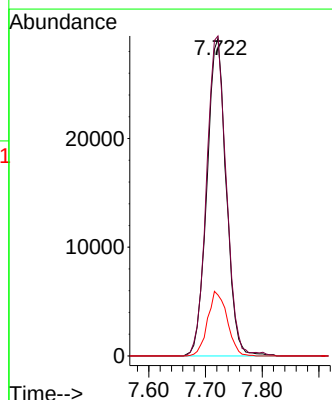
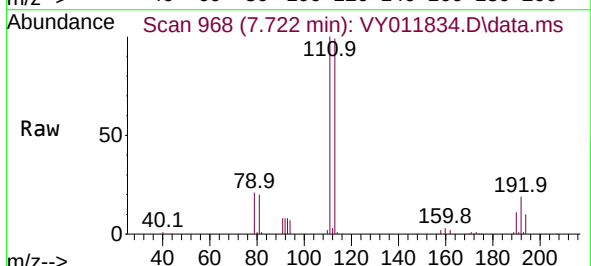
Tgt Ion:113 Resp: 68982

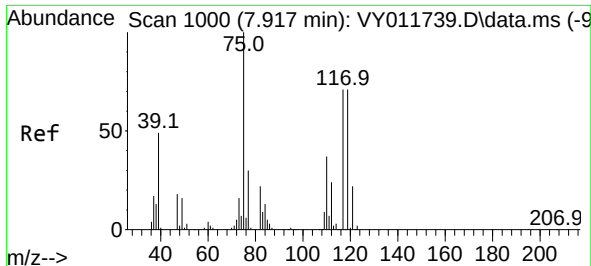
Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.4

192 20.6 16.0 24.0





#36

1,1-Dichloropropene

Concen: 6.013 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011834.D

Acq: 14 Dec 2022 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VY1214SBL01

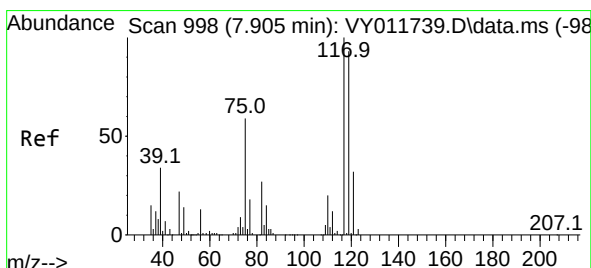
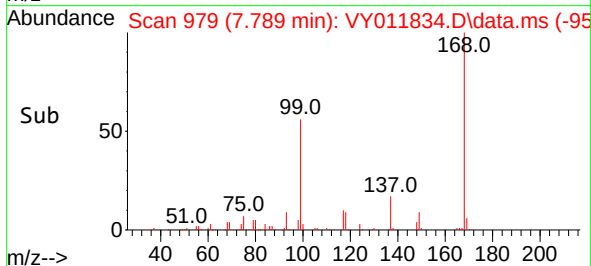
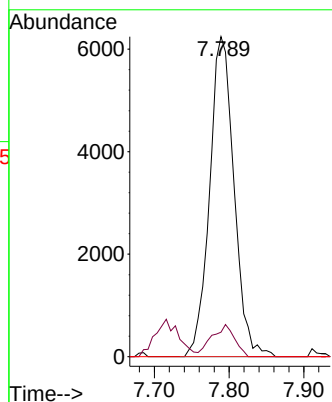
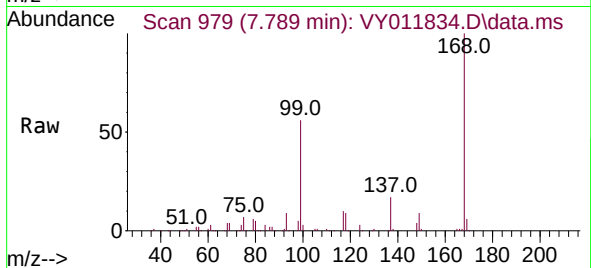
Tgt Ion: 75 Resp: 14173

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.657 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011834.D

Acq: 14 Dec 2022 11:02

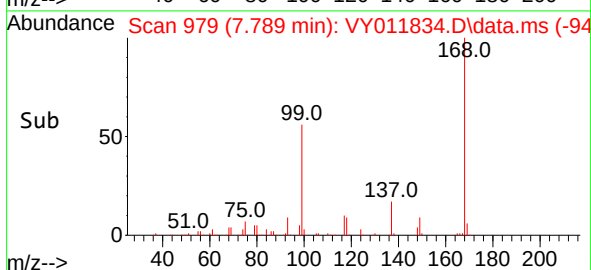
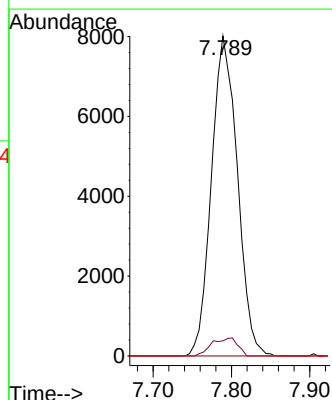
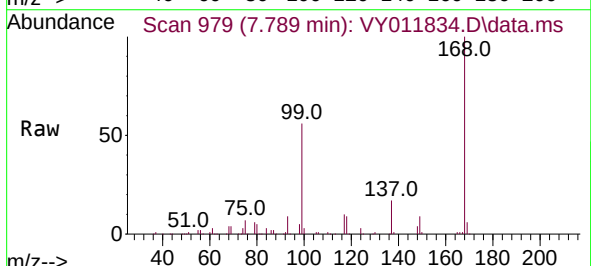
Tgt Ion: 117 Resp: 18432

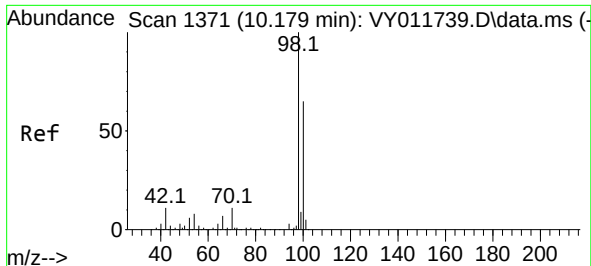
Ion Ratio Lower Upper

117 100

119 4.8 73.8 110.8#

121 0.0 25.2 37.8#

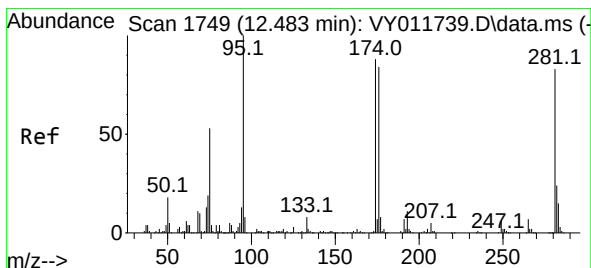
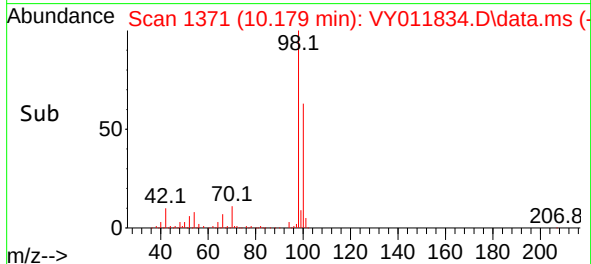
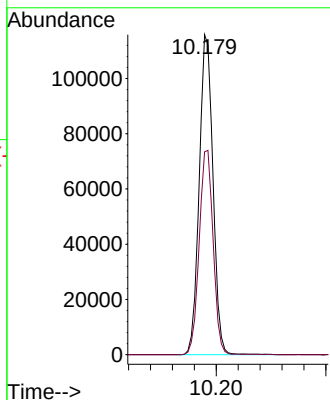
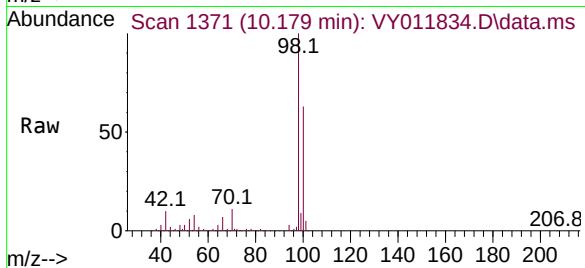




#50
Toluene-d8
Concen: 43.770 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011834.D
Acq: 14 Dec 2022 11:02

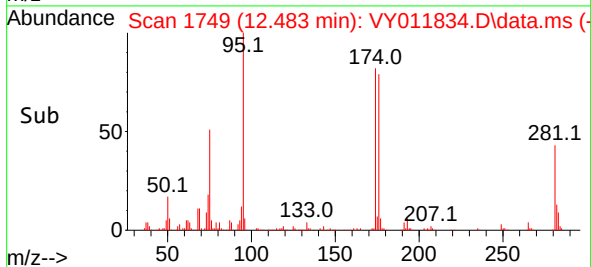
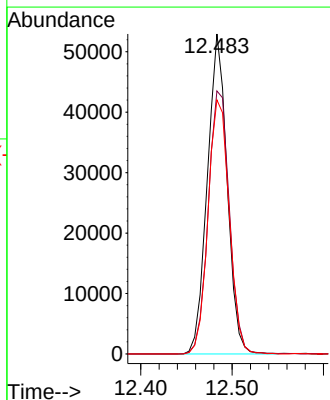
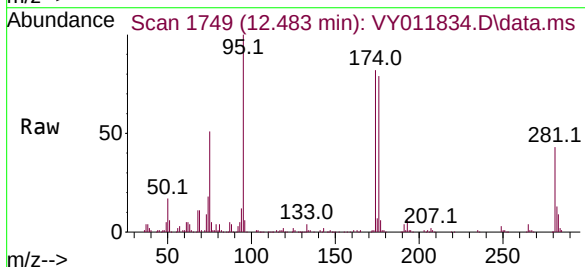
Instrument :
MSVOA_Y
ClientSampleId :
VY1214SBL01

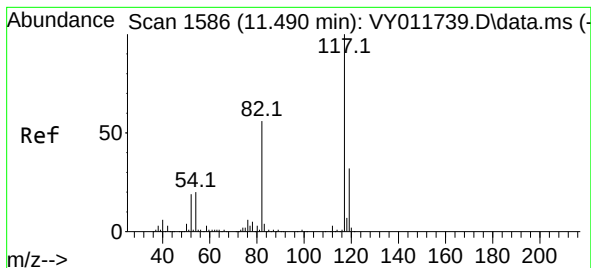
Tgt Ion: 98 Resp: 201788
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.479 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011834.D
Acq: 14 Dec 2022 11:02

Tgt Ion: 95 Resp: 79375
Ion Ratio Lower Upper
95 100
174 88.1 0.0 172.0
176 85.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY011834.D

Acq: 14 Dec 2022 11:02

Instrument :

MSVOA_Y

ClientSampleId :

VY1214SBL01

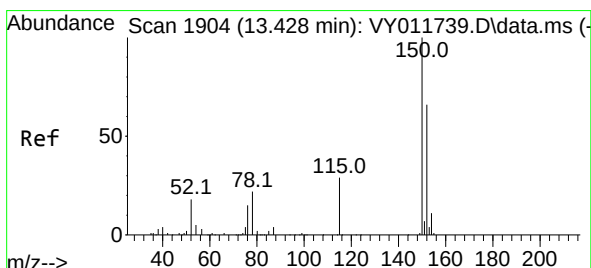
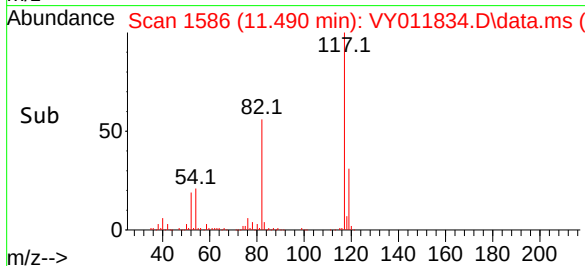
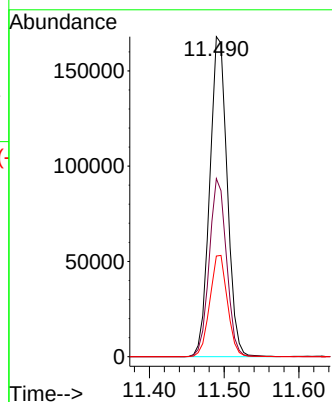
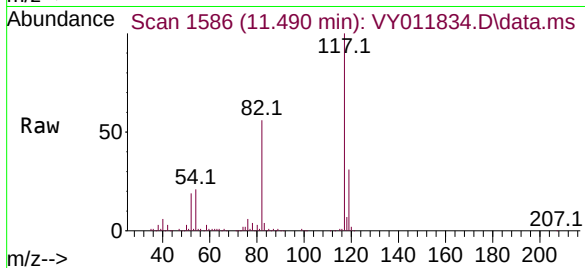
Tgt Ion:117 Resp: 272595

Ion Ratio Lower Upper

117 100

82 55.7 44.8 67.2

119 31.5 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY011834.D

Acq: 14 Dec 2022 11:02

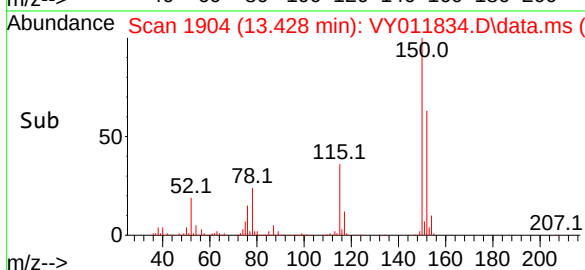
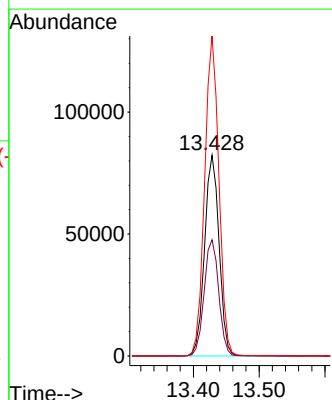
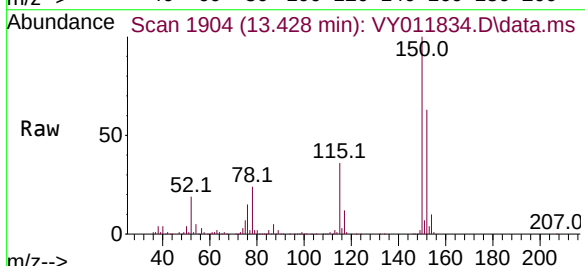
Tgt Ion:152 Resp: 126037

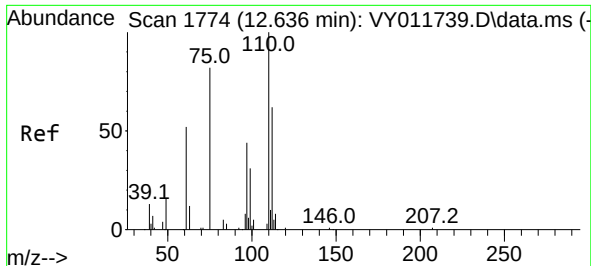
Ion Ratio Lower Upper

152 100

115 58.2 29.1 87.3

150 156.7 0.0 342.6

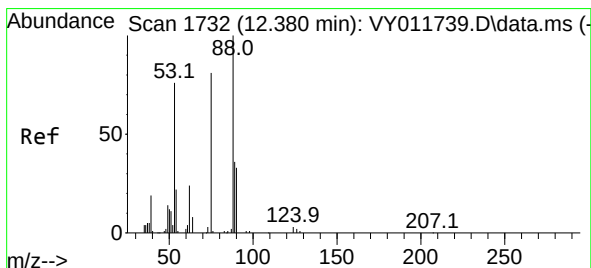
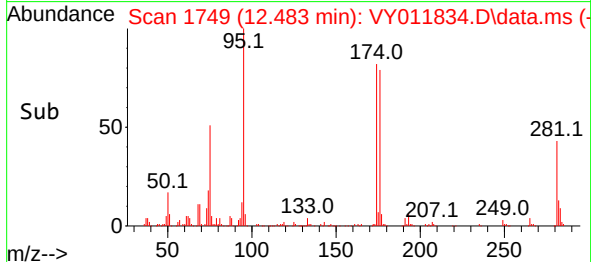
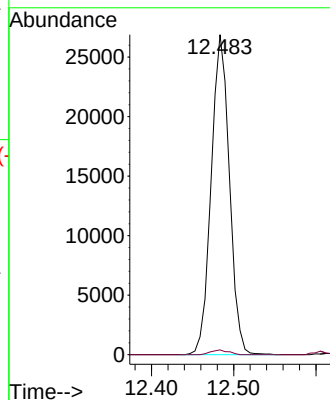
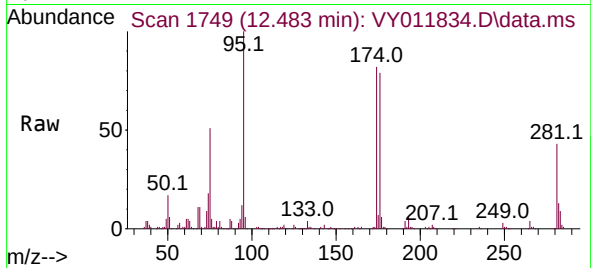




#76
1,2,3-Trichloropropane
Concen: 32.443 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011834.D
Acq: 14 Dec 2022 11:02

Instrument :
MSVOA_Y
ClientSampleId :
VY1214SBL01

Tgt Ion: 75 Resp: 41370
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.619 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011834.D
Acq: 14 Dec 2022 11:02

Tgt Ion: 75 Resp: 41370
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.7 37.0 55.4#

