

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011782.D
 Acq On : 13 Dec 2022 10:54
 Operator : KP/MD
 Sample : VY1213SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1213SBL01

Quant Time: Dec 13 22:16:25 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)

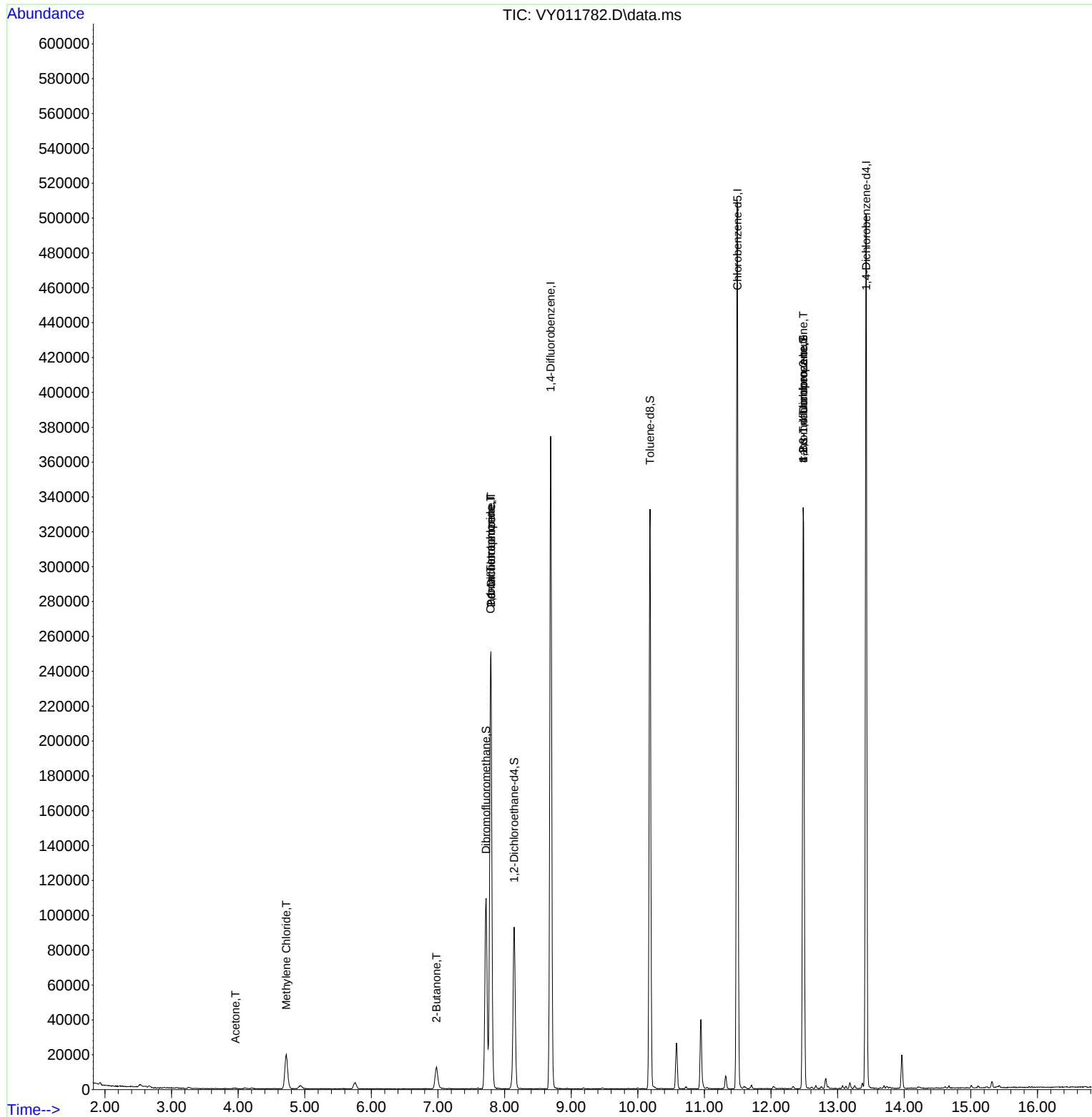
Internal Standards						
1) Pentafluorobenzene	7.795	168	195670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	320675	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	284030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	128262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	72632	54.863	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.720%			
35) Dibromofluoromethane	7.722	113	75681	53.382	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.760%			
50) Toluene-d8	10.185	98	224440	47.749	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.500%			
62) 4-Bromofluorobenzene	12.483	95	85445	45.552	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	155	Below Cal	#	41
3) Chloromethane	2.119	50	231	Below Cal		100
4) Vinyl Chloride	2.253	62	23	Below Cal	#	43
5) Bromomethane	2.674	94	388	Below Cal	#	71
11) Tert butyl alcohol	4.942	59	2322	Below Cal	#	74
16) Acetone	3.960	43	696	1.303	ug/l #	74
18) Methyl Acetate	4.710	43	84	Below Cal	#	50
20) Methylene Chloride	4.723	84	14802	2.162	ug/l	93
25) 2-Butanone	6.978	43	728	1.059	ug/l #	46
31) Cyclohexane	7.789	56	4146	Below Cal	#	40
36) 1,1-Dichloropropene	7.795	75	14397	5.916	ug/l #	50
38) Carbon Tetrachloride	7.789	117	20039	7.010	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	45202	34.833	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45202	79.043	ug/l #	13

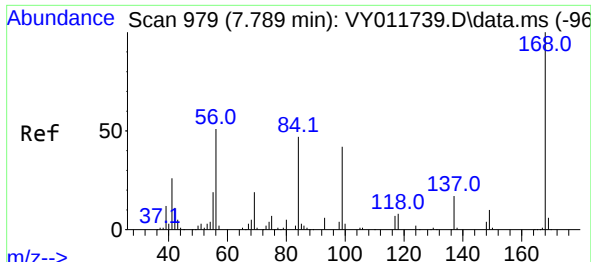
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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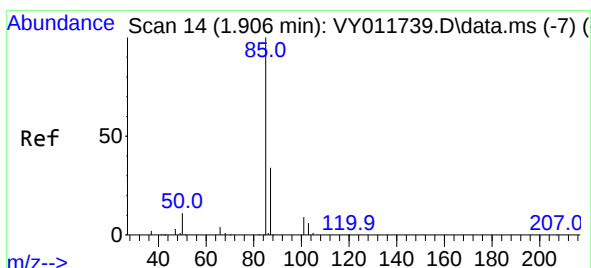
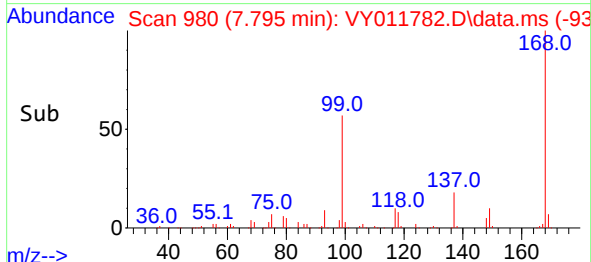
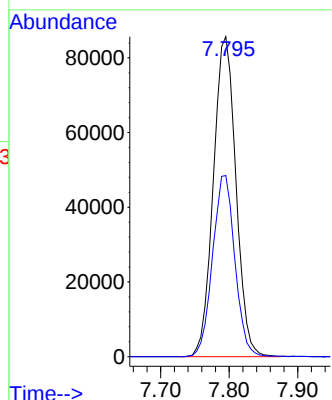
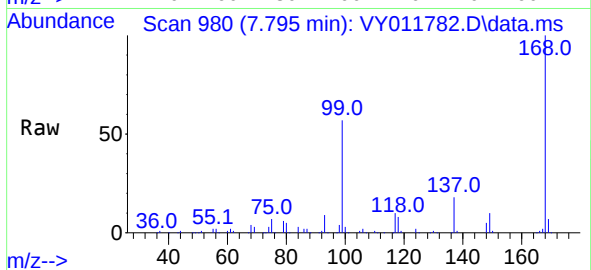




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011782.D
Acq: 13 Dec 2022 10:54

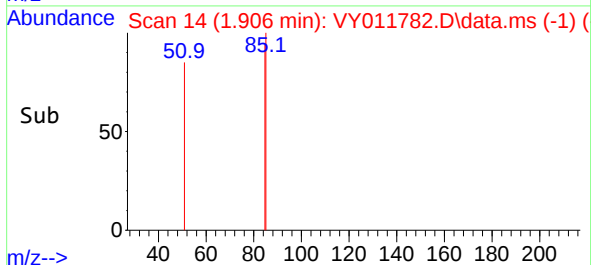
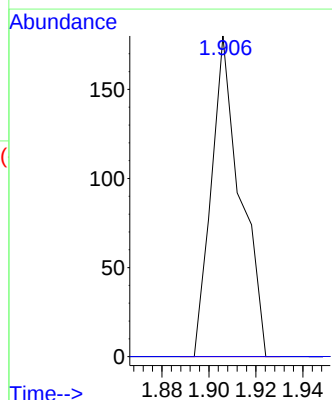
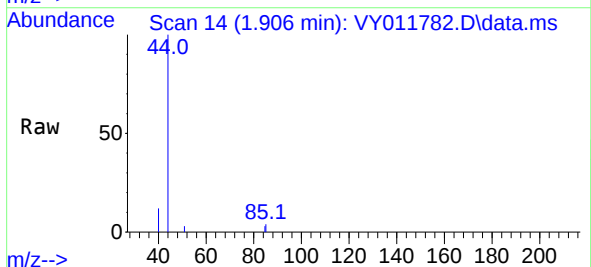
Instrument :
MSVOA_Y
ClientSampleId :
VY1213SBL01

Tgt Ion:168 Resp: 195670
Ion Ratio Lower Upper
168 100
99 56.6 44.0 66.0

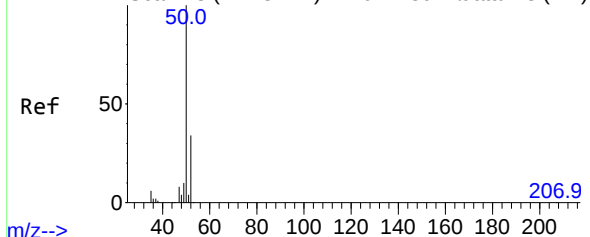


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011782.D
Acq: 13 Dec 2022 10:54

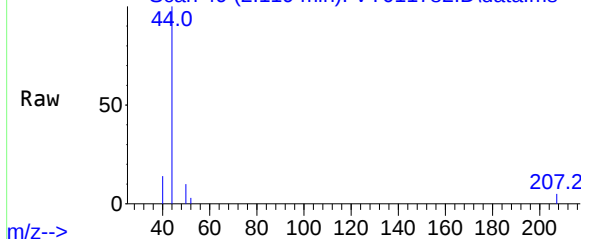
Tgt Ion: 85 Resp: 155
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



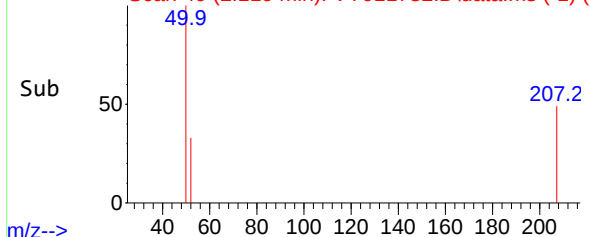
Abundance Scan 48 (2.113 min): VY011739.D\data.ms (-42)



Abundance Scan 49 (2.119 min): VY011782.D\data.ms



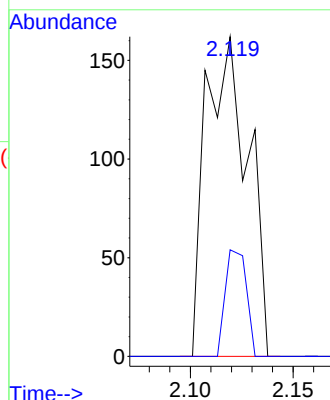
Abundance Scan 49 (2.119 min): VY011782.D\data.ms (-1)



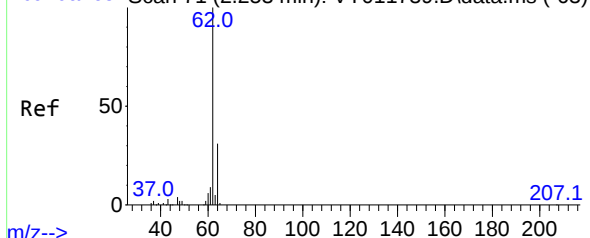
#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011782.D
Acq: 13 Dec 2022 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1213SBL01

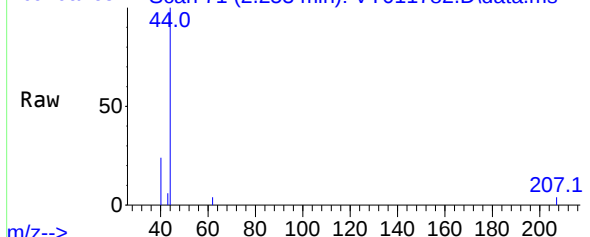
Tgt Ion: 50 Resp: 231
Ion Ratio Lower Upper
50 100
52 33.3 26.8 40.2



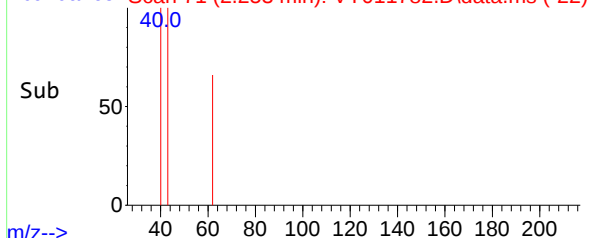
Abundance Scan 71 (2.253 min): VY011739.D\data.ms (-63)



Abundance Scan 71 (2.253 min): VY011782.D\data.ms

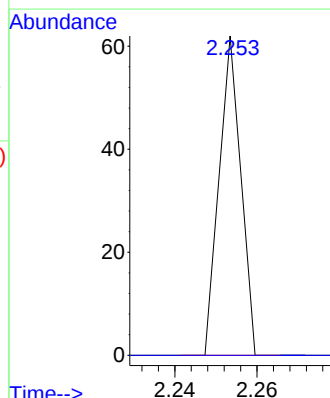


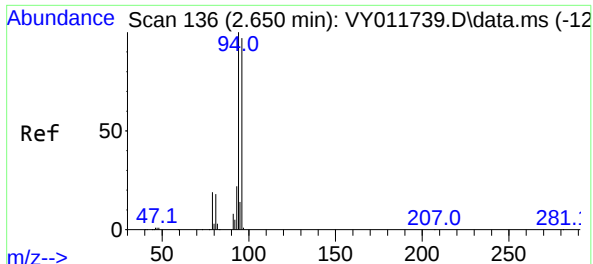
Abundance Scan 71 (2.253 min): VY011782.D\data.ms (-22)



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. 0.000 min
Lab File: VY011782.D
Acq: 13 Dec 2022 10:54

Tgt Ion: 62 Resp: 23
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

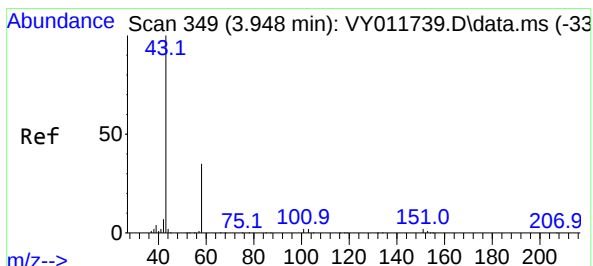
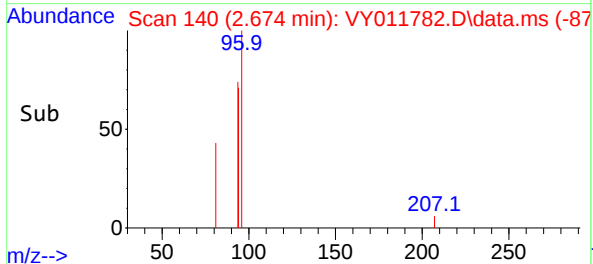
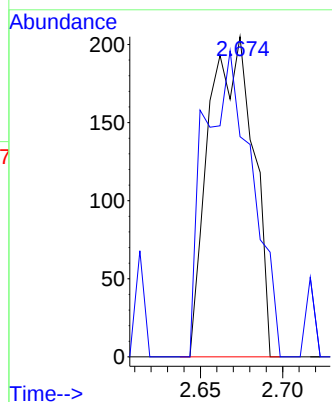
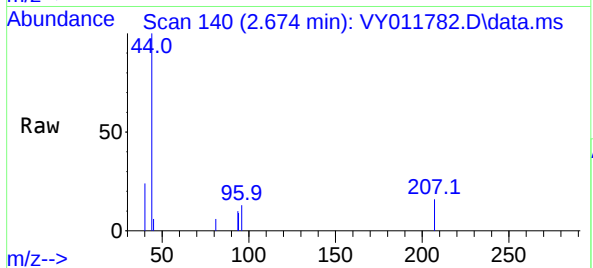




#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.024 min
Lab File: VY011782.D
Acq: 13 Dec 2022 10:54

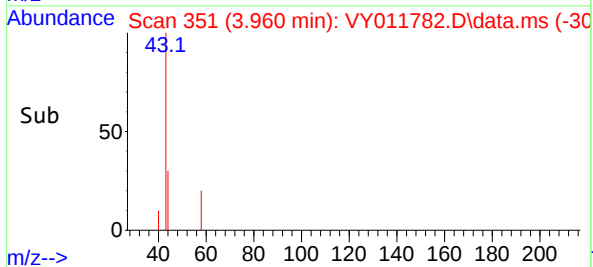
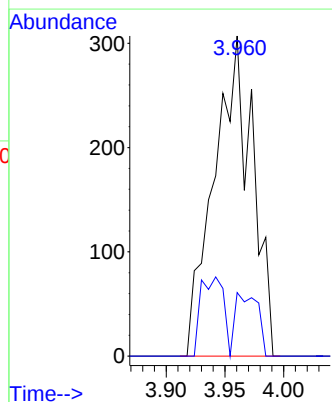
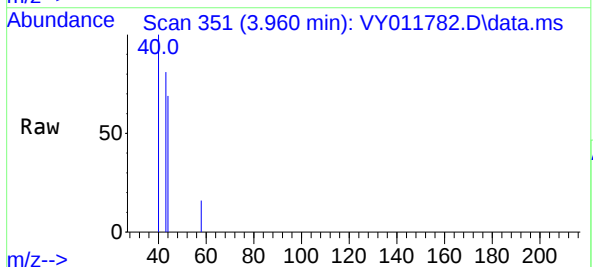
Instrument :
MSVOA_Y
ClientSampleId :
VY1213SBL01

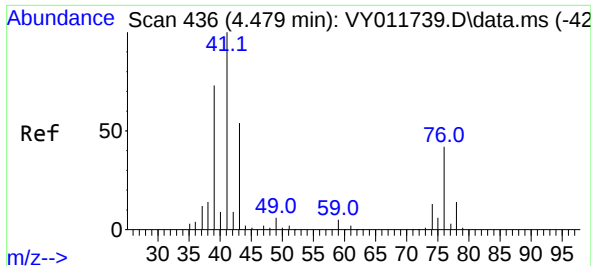
Tgt Ion: 94 Resp: 388
Ion Ratio Lower Upper
94 100
96 68.8 77.4 116.2#



#16
Acetone
Concen: 1.303 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY011782.D
Acq: 13 Dec 2022 10:54

Tgt Ion: 43 Resp: 696
Ion Ratio Lower Upper
43 100
58 19.9 27.9 41.9#

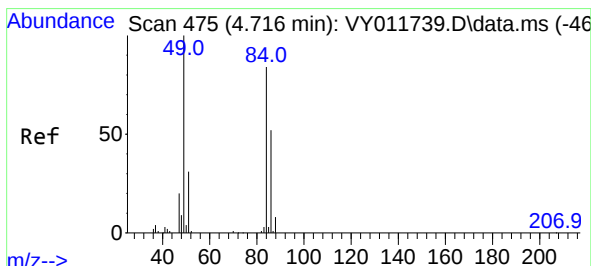
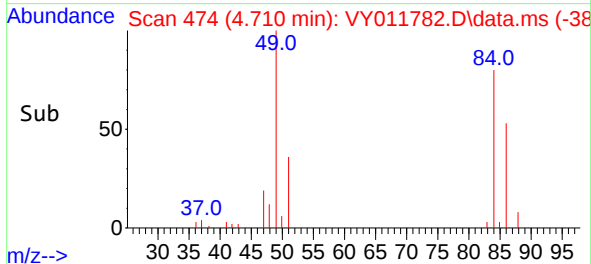
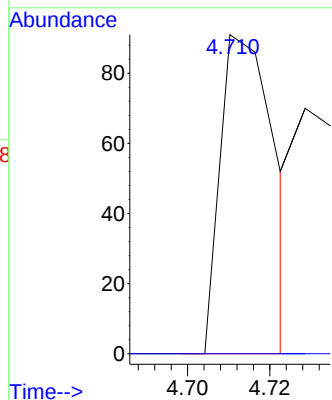
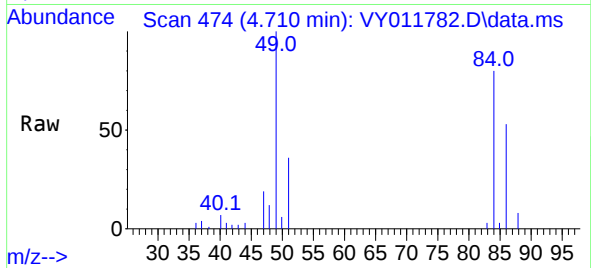




#18
Methyl Acetate
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.231 min
Lab File: VY011782.D
Acq: 13 Dec 2022 10:54

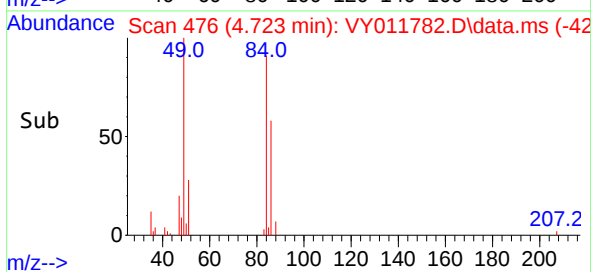
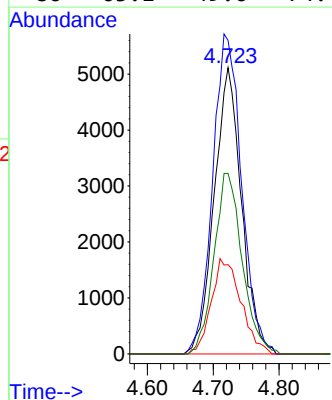
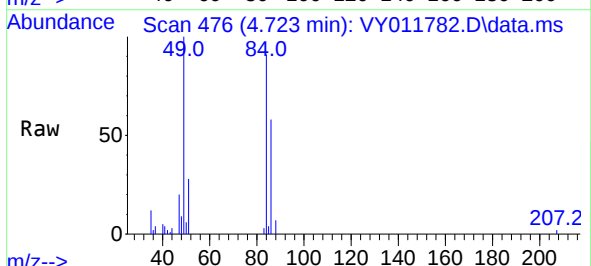
Instrument :
MSVOA_Y
ClientSampleId :
VY1213SBL01

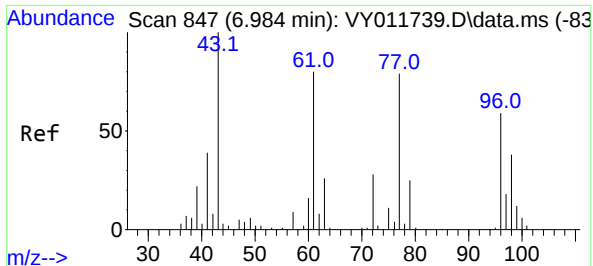
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 2.162 ug/l
RT: 4.723 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011782.D
Acq: 13 Dec 2022 10:54

Tgt Ion: 84 Resp: 14802
Ion Ratio Lower Upper
84 100
49 109.5 95.4 143.2
51 31.2 29.9 44.9
86 63.1 49.6 74.4





#25

2-Butanone

Concen: 1.059 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY011782.D

Acq: 13 Dec 2022 10:54

Instrument :

MSVOA_Y

ClientSampleId :

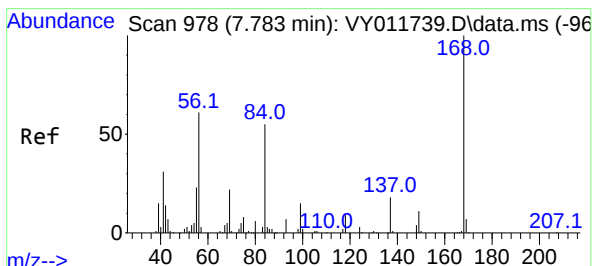
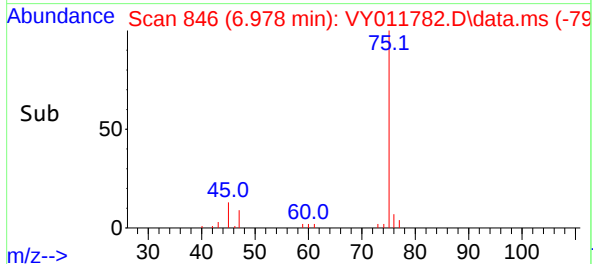
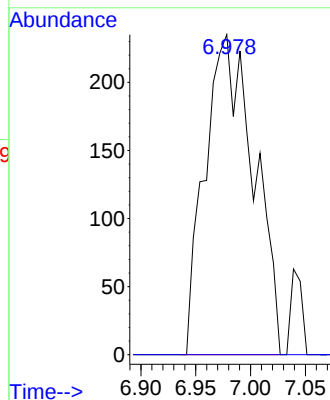
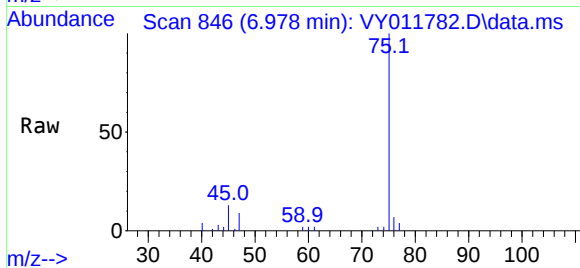
VY1213SBL01

Tgt Ion: 43 Resp: 728

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011782.D

Acq: 13 Dec 2022 10:54

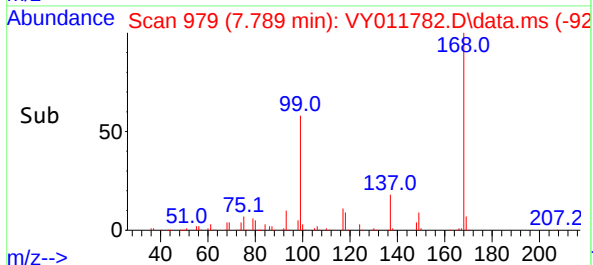
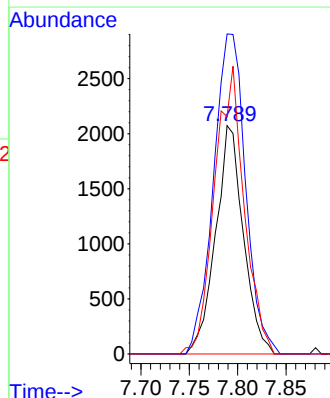
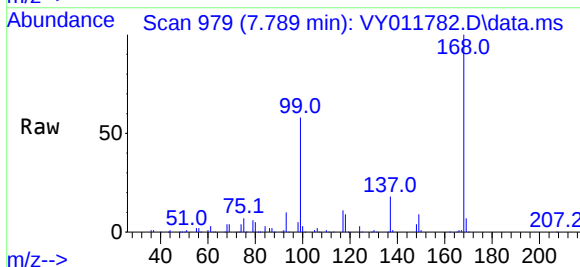
Tgt Ion: 56 Resp: 4146

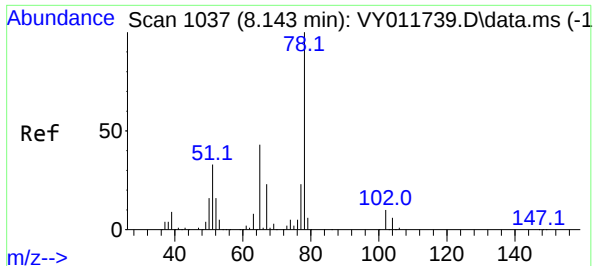
Ion Ratio Lower Upper

56 100

69 140.1 29.2 43.8#

84 104.0 72.6 108.8





#33

1,2-Dichloroethane-d4

Concen: 54.863 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011782.D

Acq: 13 Dec 2022 10:54

Instrument :

MSVOA_Y

ClientSampleId :

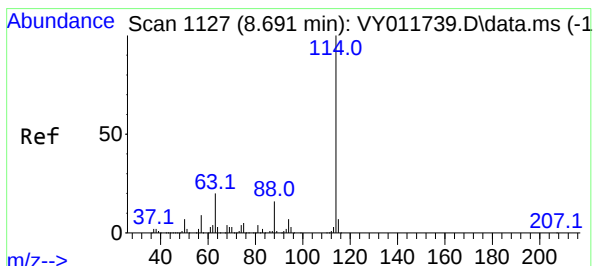
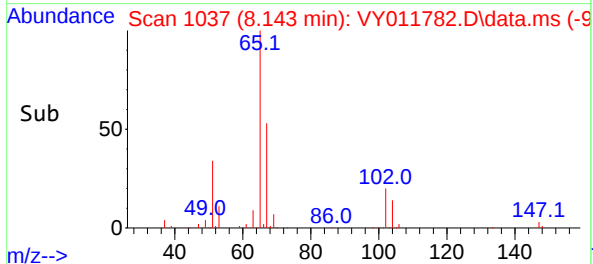
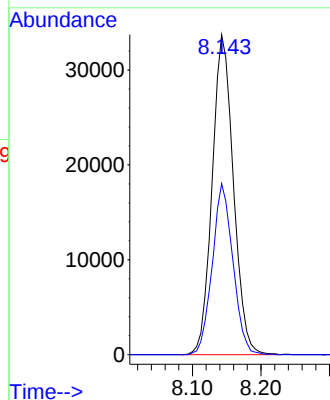
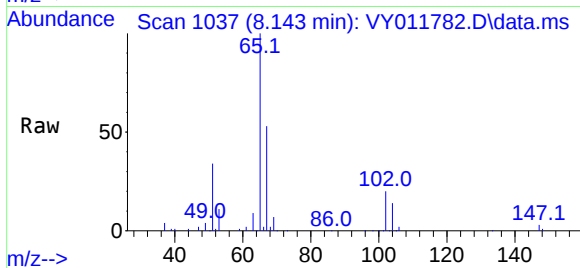
VY1213SBL01

Tgt Ion: 65 Resp: 72632

Ion Ratio Lower Upper

65 100

67 52.0 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: VY011782.D

Acq: 13 Dec 2022 10:54

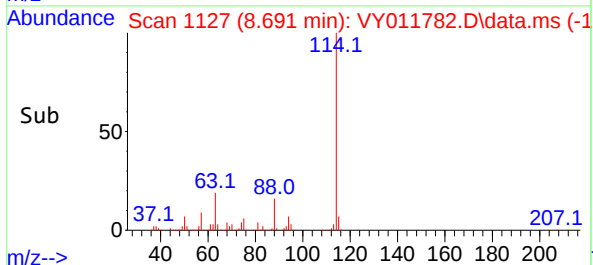
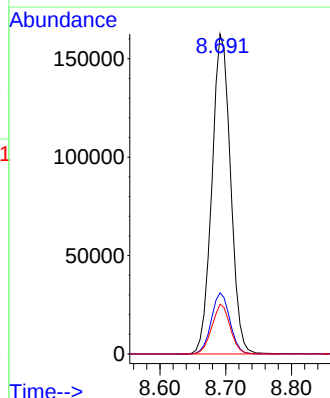
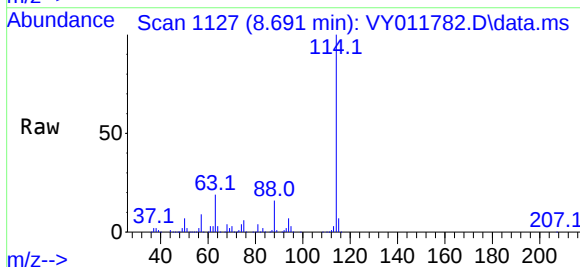
Tgt Ion: 114 Resp: 320675

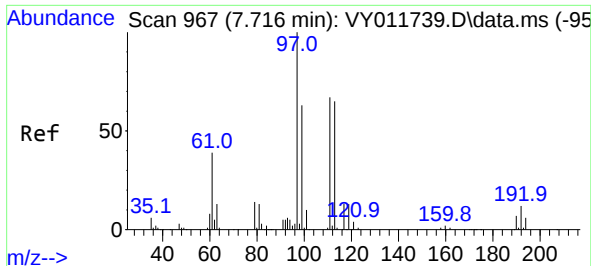
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 15.6 0.0 32.2

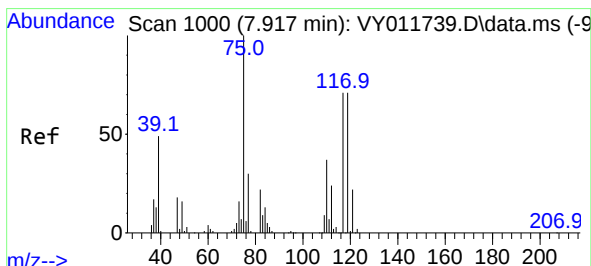
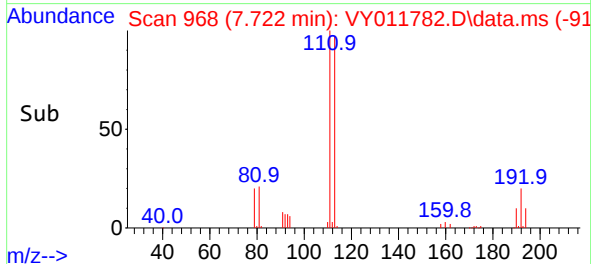
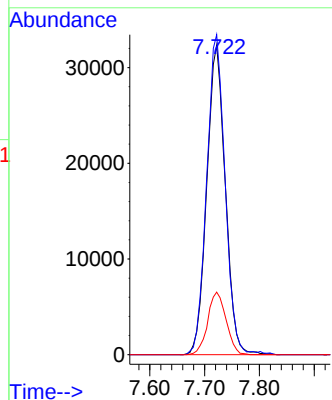
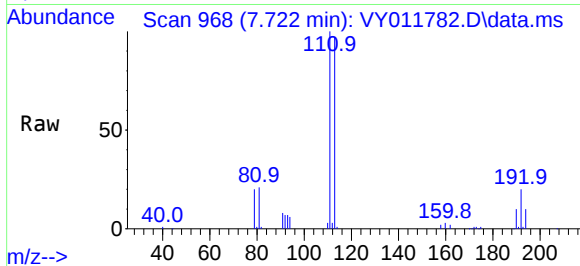




#35
Dibromofluoromethane
Concen: 53.382 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011782.D
Acq: 13 Dec 2022 10:54

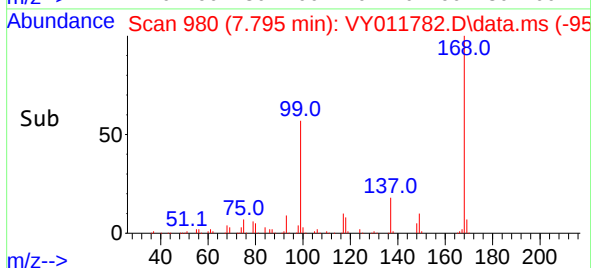
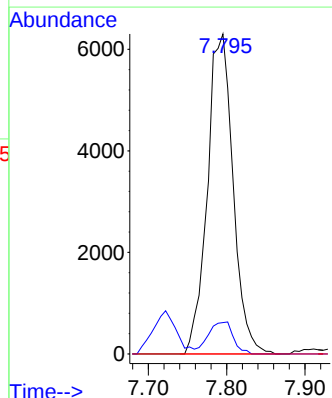
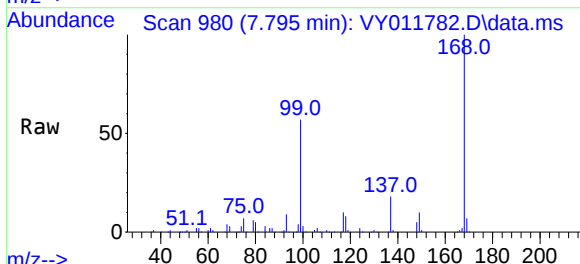
Instrument :
MSVOA_Y
ClientSampleId :
VY1213SBL01

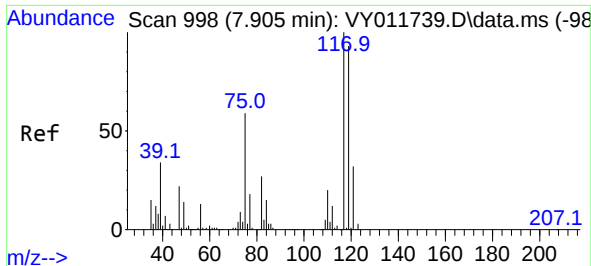
Tgt Ion:113 Resp: 75681
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.4
192 20.1 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.916 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY011782.D
Acq: 13 Dec 2022 10:54

Tgt Ion: 75 Resp: 14397
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.1#
77 0.0 25.1 37.7#

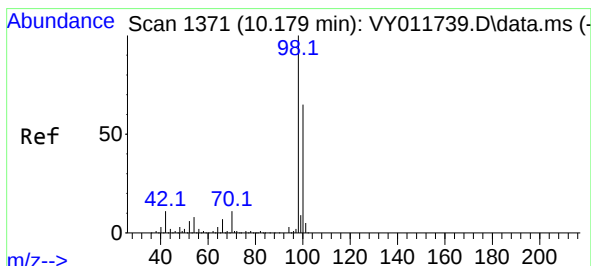
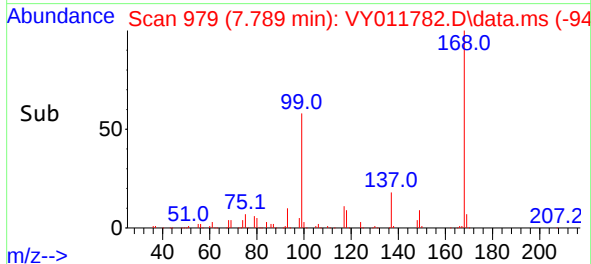
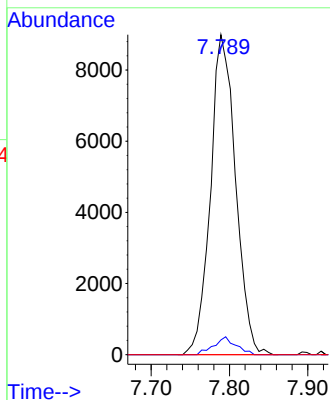
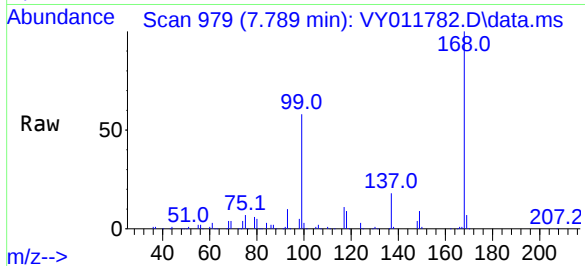




#38
Carbon Tetrachloride
Concen: 7.010 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011782.D
Acq: 13 Dec 2022 10:54

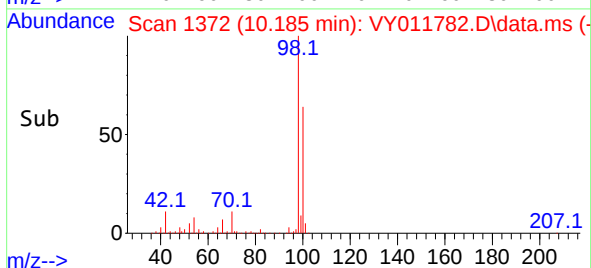
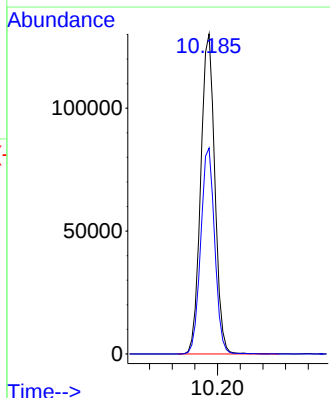
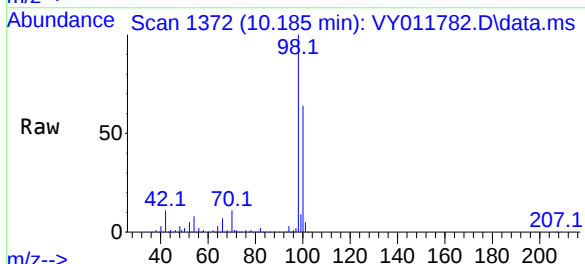
Instrument :
MSVOA_Y
ClientSampleId :
VY1213SBL01

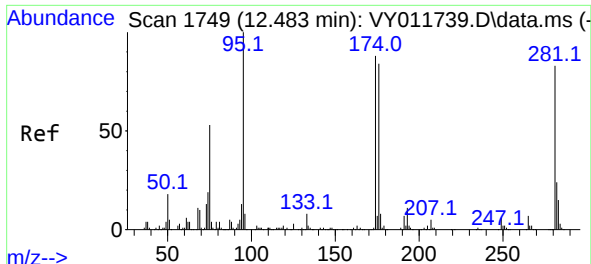
Tgt Ion:117 Resp: 20039
Ion Ratio Lower Upper
117 100
119 4.6 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 47.749 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY011782.D
Acq: 13 Dec 2022 10:54

Tgt Ion: 98 Resp: 224440
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

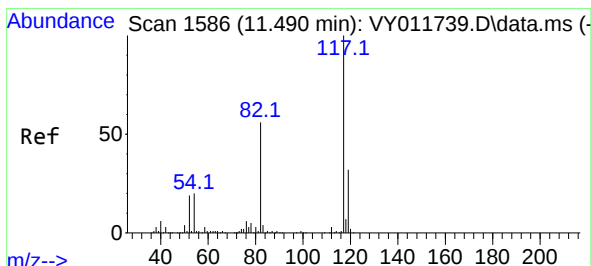
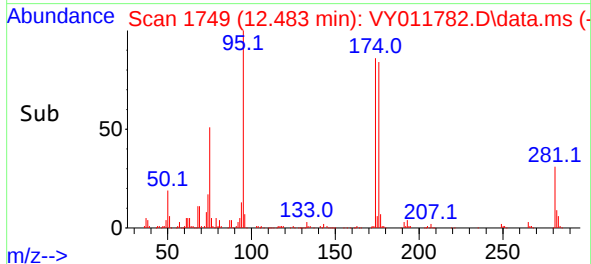
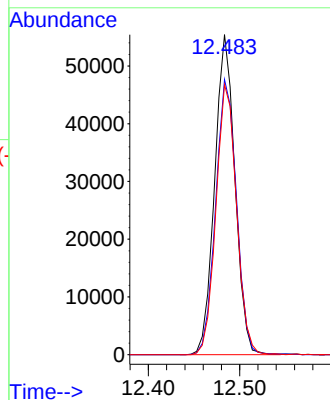
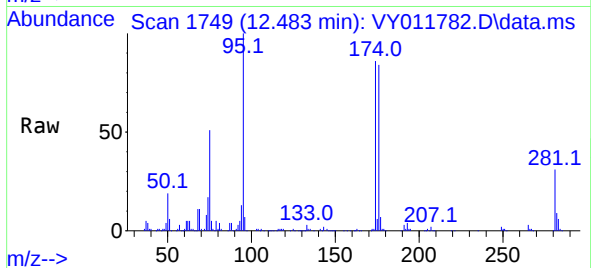




#62
4-Bromofluorobenzene
Concen: 45.552 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011782.D
Acq: 13 Dec 2022 10:54

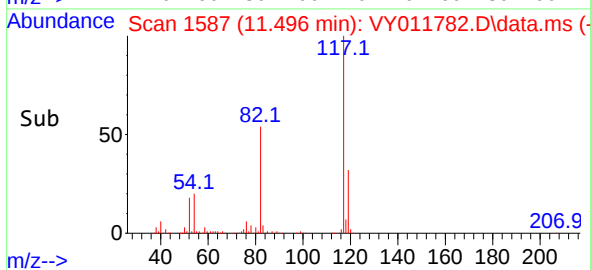
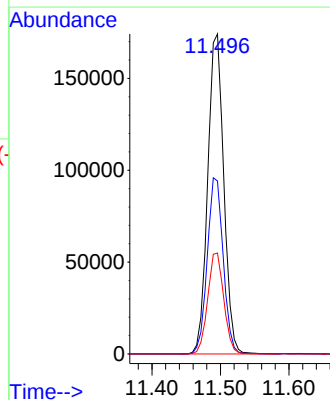
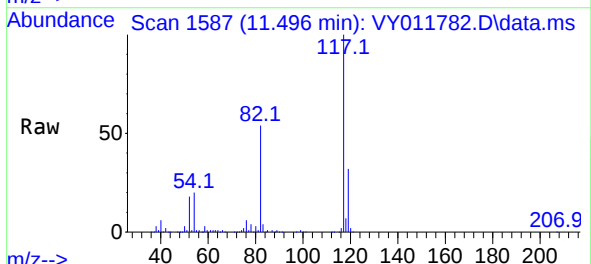
Instrument :
MSVOA_Y
ClientSampleId :
VY1213SBL01

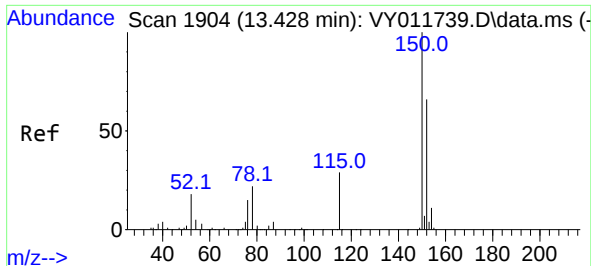
Tgt Ion: 95 Resp: 85445
Ion Ratio Lower Upper
95 100
174 88.5 0.0 172.0
176 85.5 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY011782.D
Acq: 13 Dec 2022 10:54

Tgt Ion: 117 Resp: 284030
Ion Ratio Lower Upper
117 100
82 54.1 44.8 67.2
119 31.6 25.4 38.2

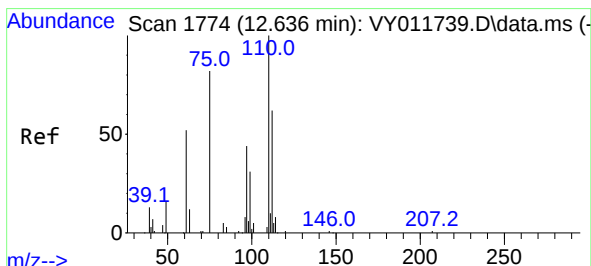
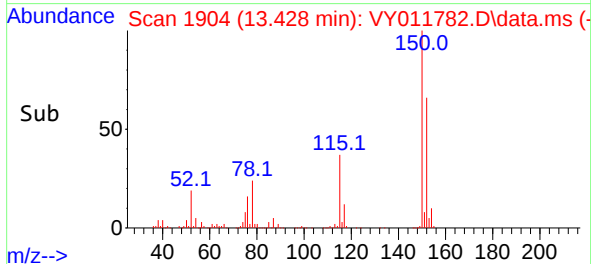
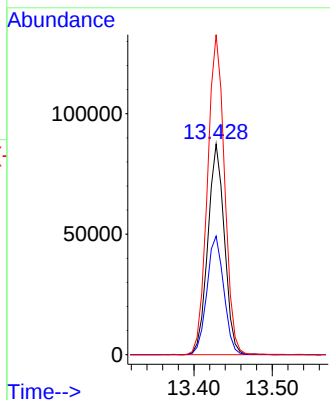
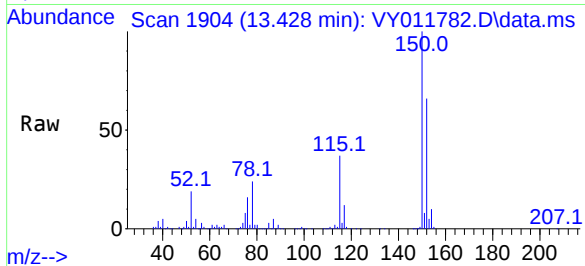




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011782.D
Acq: 13 Dec 2022 10:54

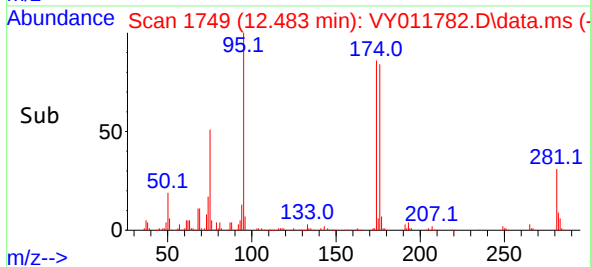
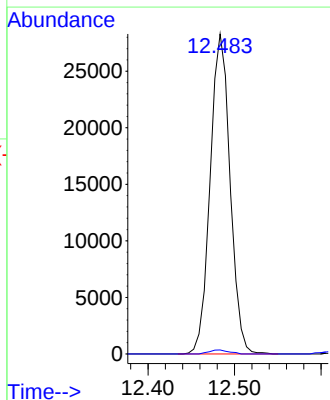
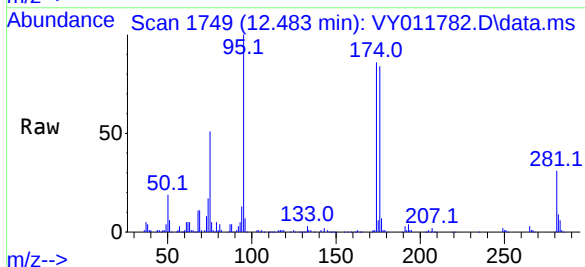
Instrument :
MSVOA_Y
ClientSampleId :
VY1213SBL01

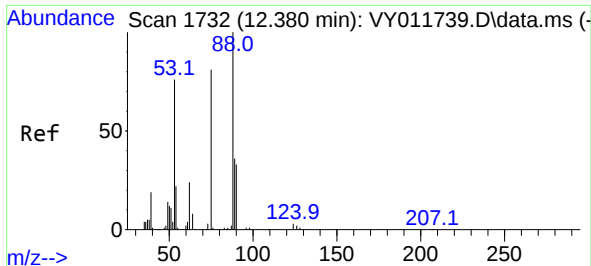
Tgt Ion:152 Resp: 128262
Ion Ratio Lower Upper
152 100
115 57.6 29.1 87.3
150 156.4 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 34.833 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011782.D
Acq: 13 Dec 2022 10:54

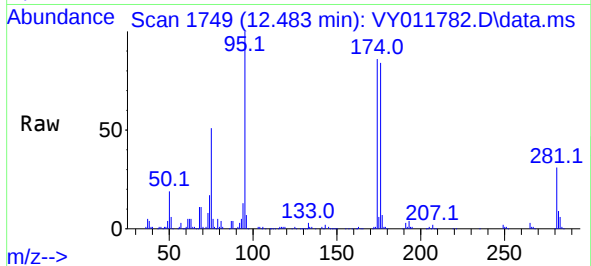
Tgt Ion: 75 Resp: 45202
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.043 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY011782.D
 Acq: 13 Dec 2022 10:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1213SBL01



Tgt Ion: 75 Resp: 45202

Ion	Ratio	Lower	Upper
75	100		
53	0.0	72.5	108.7#
89	0.8	37.0	55.4#

