

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102622\
 Data File : VY011122.D
 Acq On : 26 Oct 2022 17:28
 Operator : KP/MD
 Sample : N5281-11
 Misc : 4.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5D

Quant Time: Oct 27 04:40:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	328753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	583805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	522271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	238880	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	124054	40.965	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.920%
35) Dibromofluoromethane	7.709	113	134312	40.879	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.760%
50) Toluene-d8	10.172	98	428276	35.134	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	70.260%
62) 4-Bromofluorobenzene	12.477	95	157650	35.627	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	71.260%

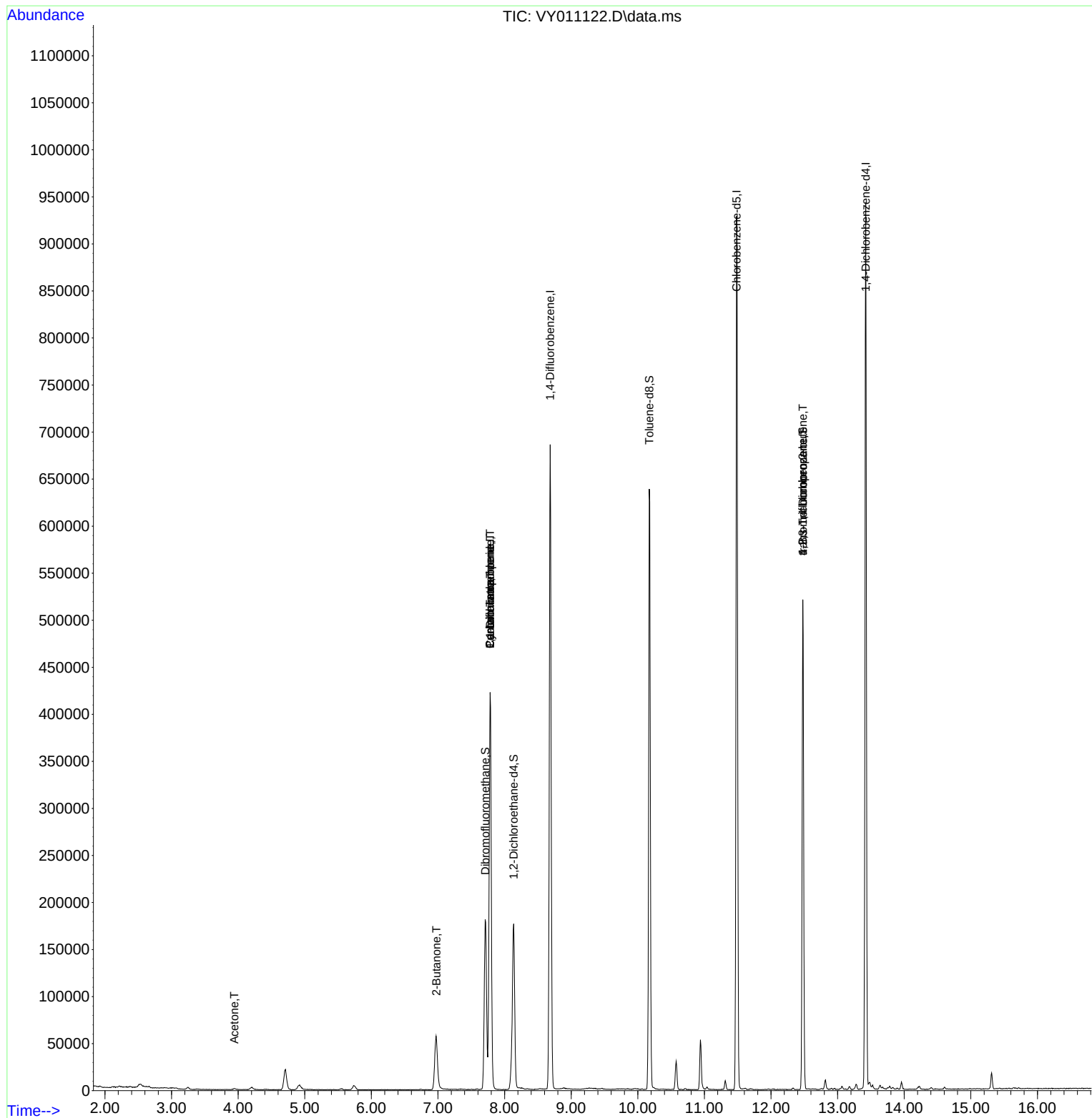
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.923	59	5248	Below Cal	#	77
16) Acetone	3.942	43	2131	2.423	ug/l	93
18) Methyl Acetate	4.698	43	46	Below Cal	#	56
20) Methylene Chloride	4.710	84	16460	Below Cal	#	79
25) 2-Butanone	6.978	43	3975	2.981	ug/l	94
31) Cyclohexane	7.783	56	6129	1.058	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	26075	4.798	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	32269	5.752	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	78335	28.884	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	78335	62.121	ug/l	# 7

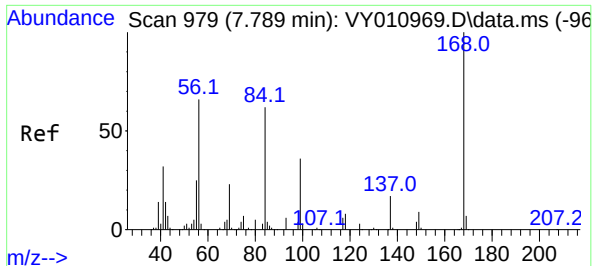
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102622\
Data File : VY011122.D
Acq On : 26 Oct 2022 17:28
Operator : KP/MD
Sample : N5281-11
Misc : 4.21g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-5D

Quant Time: Oct 27 04:40:21 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 01:42:42 2022
Response via : Initial Calibration

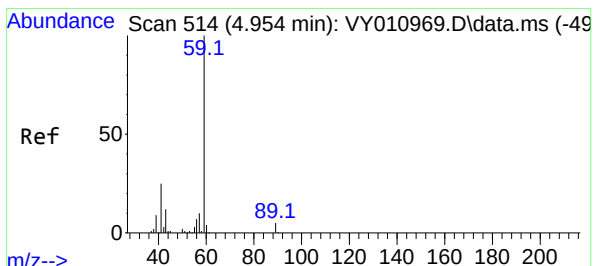
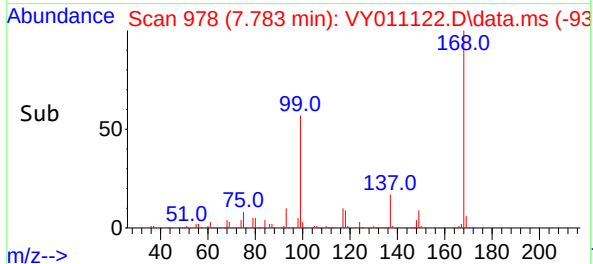
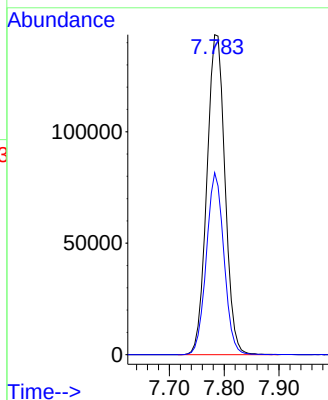
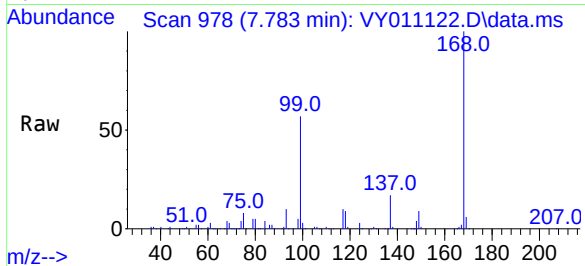




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011122.D
Acq: 26 Oct 2022 17:28

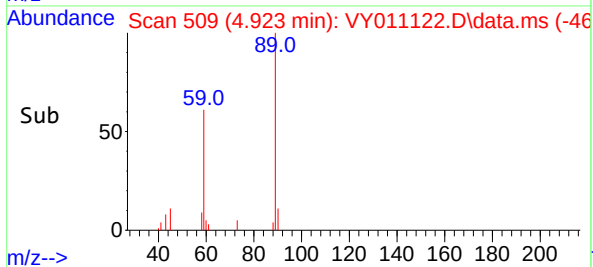
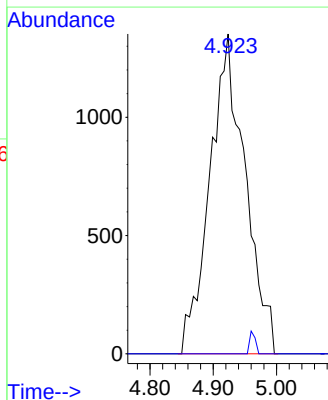
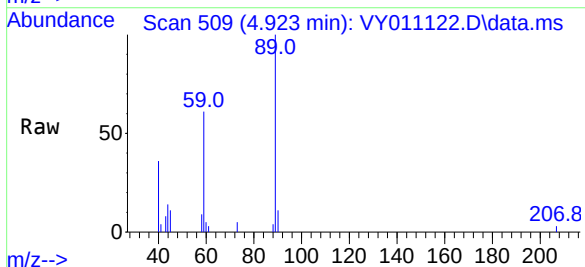
Instrument :
MSVOA_Y
ClientSampleId :
SB-5D

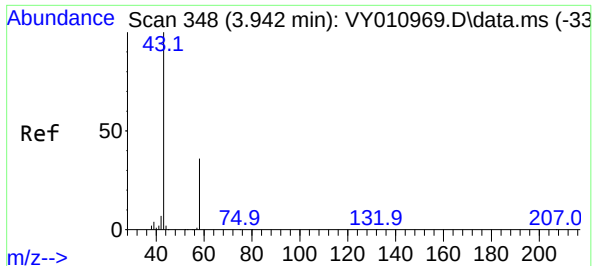
Tgt Ion:168 Resp: 328753
Ion Ratio Lower Upper
168 100
99 56.8 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.923 min Scan# 509
Delta R.T. -0.031 min
Lab File: VY011122.D
Acq: 26 Oct 2022 17:28

Tgt Ion: 59 Resp: 5248
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

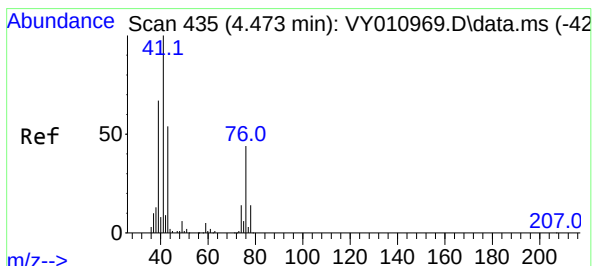
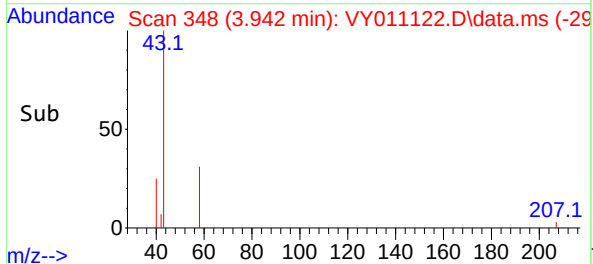
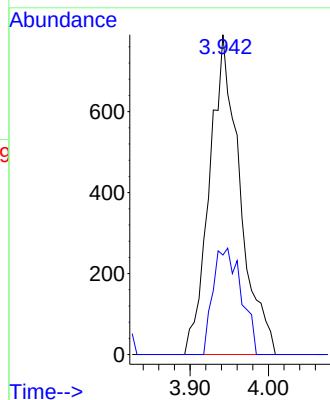
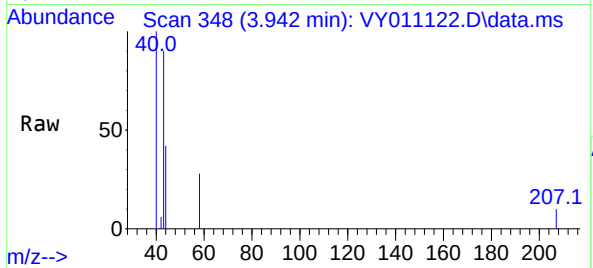




#16
Acetone
Concen: 2.423 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY011122.D
Acq: 26 Oct 2022 17:28

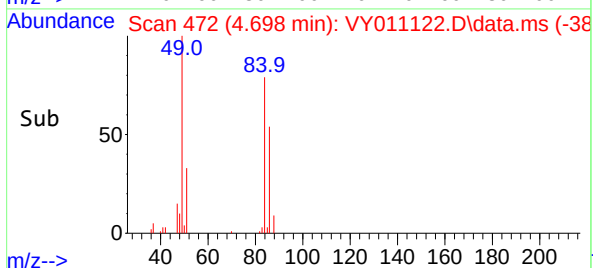
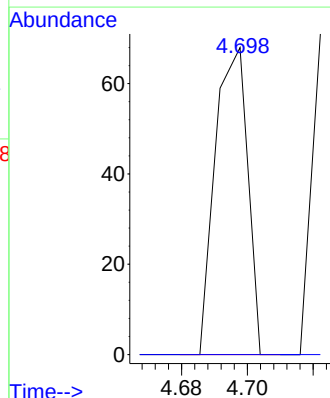
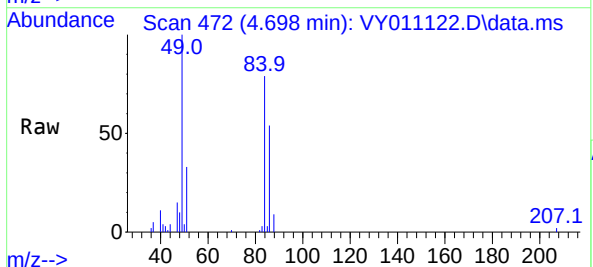
Instrument :
MSVOA_Y
ClientSampleId :
SB-5D

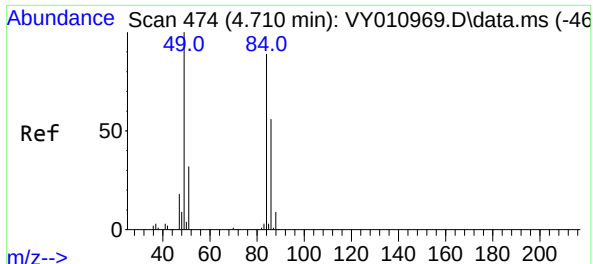
Tgt Ion: 43 Resp: 2131
Ion Ratio Lower Upper
43 100
58 31.1 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. 0.225 min
Lab File: VY011122.D
Acq: 26 Oct 2022 17:28

Tgt Ion: 43 Resp: 46
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

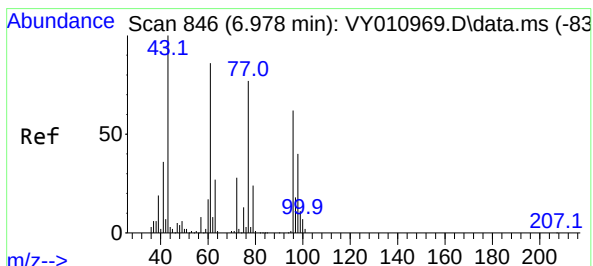
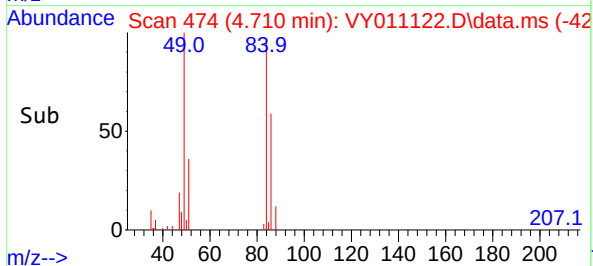
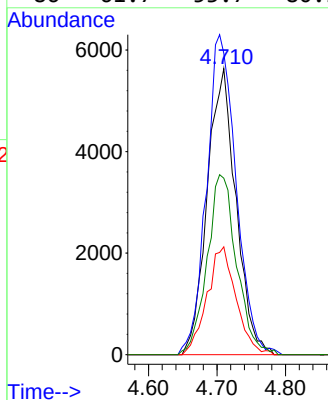
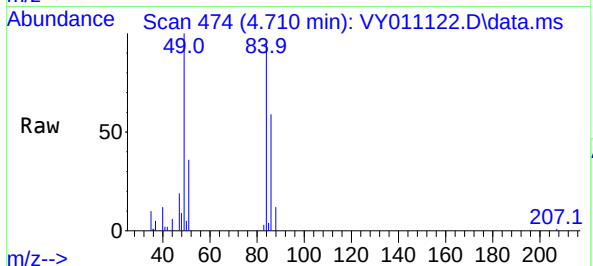




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY011122.D
Acq: 26 Oct 2022 17:28

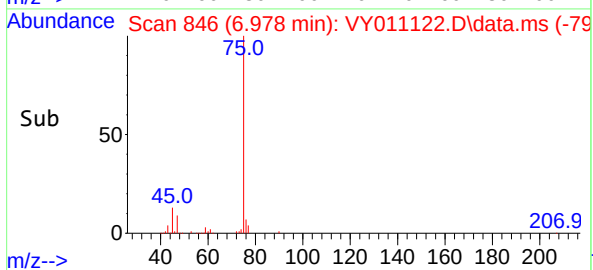
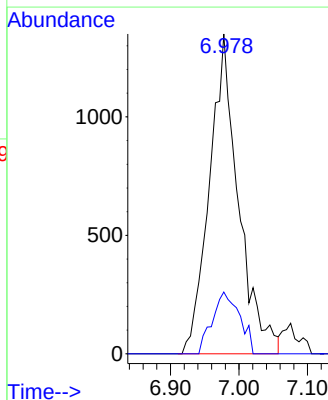
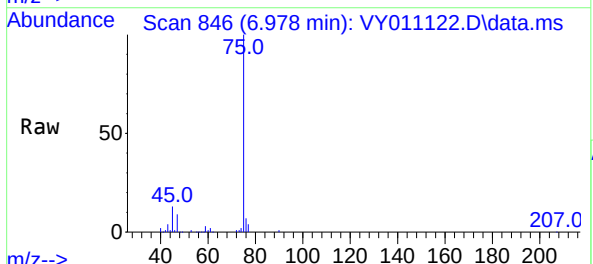
Instrument :
MSVOA_Y
ClientSampleId :
SB-5D

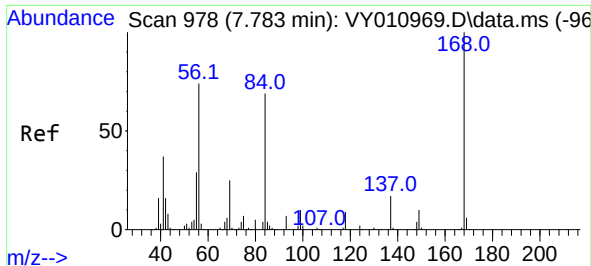
Tgt Ion: 84 Resp: 16460
Ion Ratio Lower Upper
84 100
49 105.3 114.4 171.6#
51 37.7 35.3 52.9
86 61.7 53.7 80.5



#25
2-Butanone
Concen: 2.981 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY011122.D
Acq: 26 Oct 2022 17:28

Tgt Ion: 43 Resp: 3975
Ion Ratio Lower Upper
43 100
72 19.3 17.7 26.5

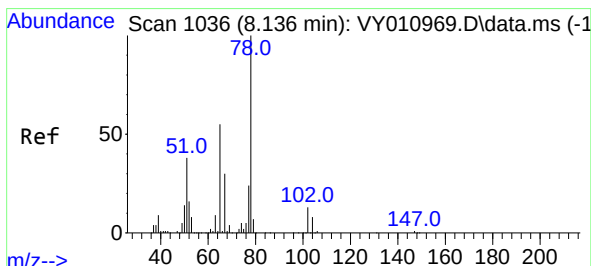
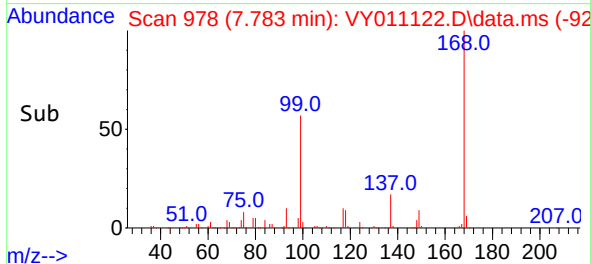
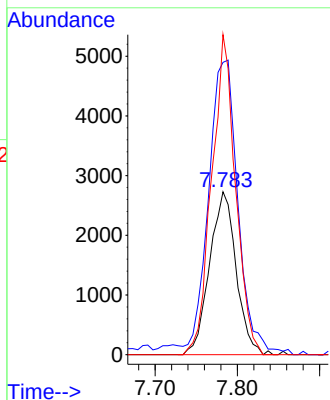
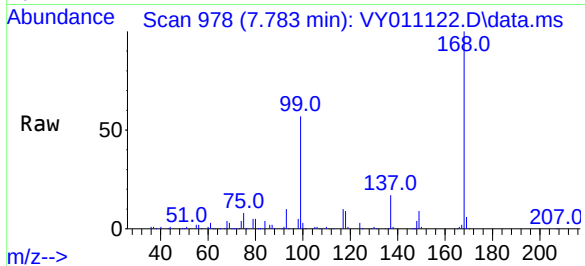




#31
Cyclohexane
Concen: 1.058 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011122.D
Acq: 26 Oct 2022 17:28

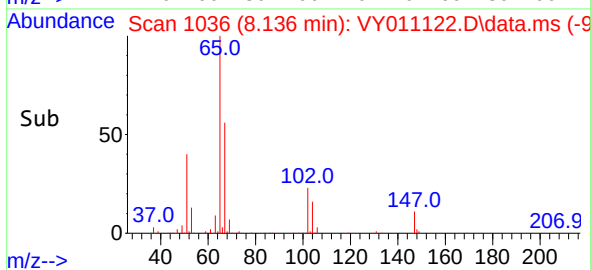
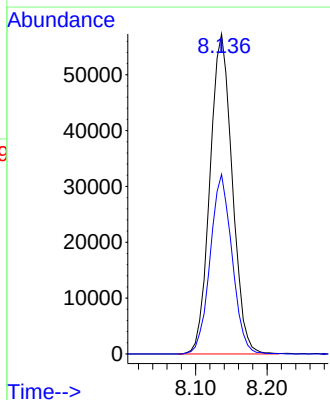
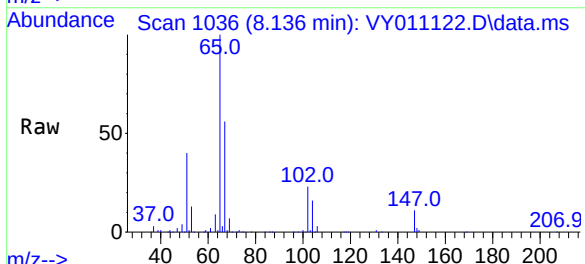
Instrument :
MSVOA_Y
ClientSampleId :
SB-5D

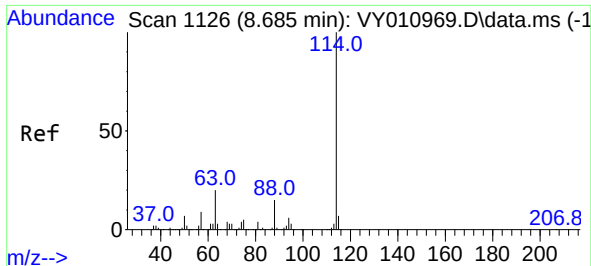
Tgt Ion: 56 Resp: 6129
Ion Ratio Lower Upper
56 100
69 176.3 26.7 40.1#
84 196.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 40.965 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011122.D
Acq: 26 Oct 2022 17:28

Tgt Ion: 65 Resp: 124054
Ion Ratio Lower Upper
65 100
67 55.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY011122.D

Acq: 26 Oct 2022 17:28

Instrument :

MSVOA_Y

ClientSampleId :

SB-5D

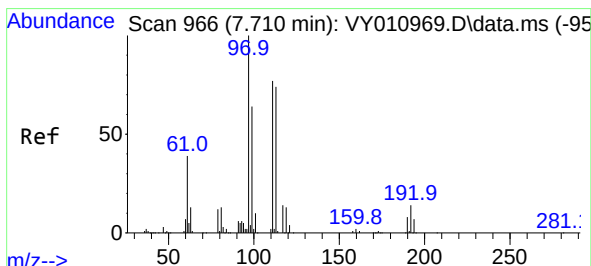
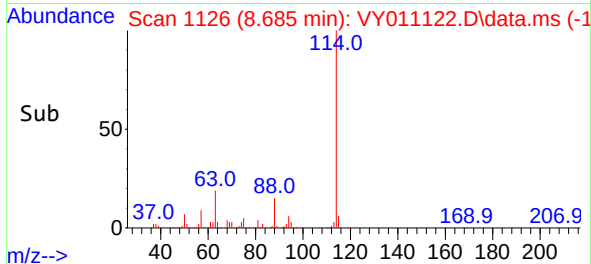
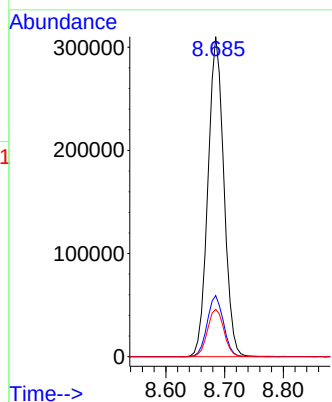
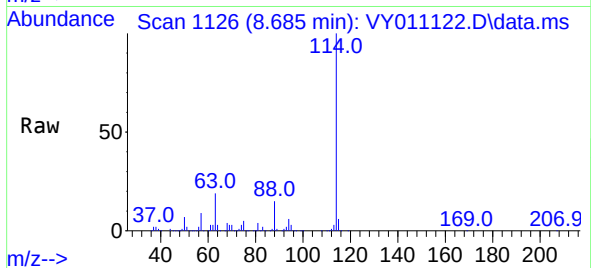
Tgt Ion:114 Resp: 583805

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 14.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 40.879 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.001 min

Lab File: VY011122.D

Acq: 26 Oct 2022 17:28

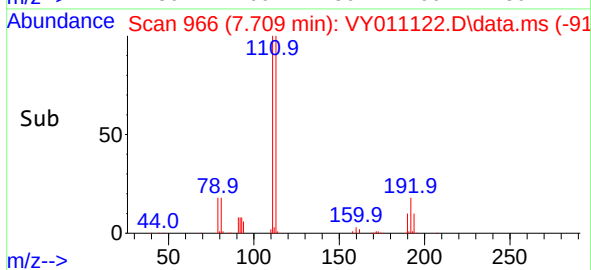
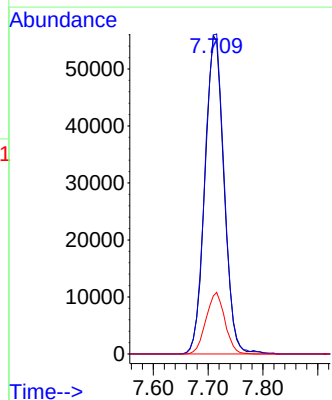
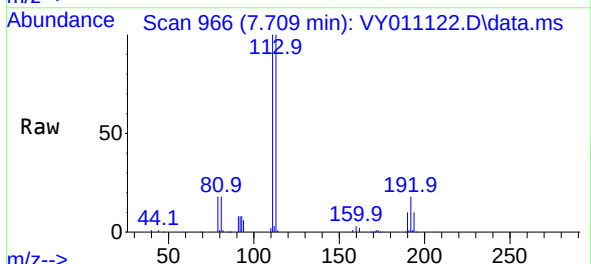
Tgt Ion:113 Resp: 134312

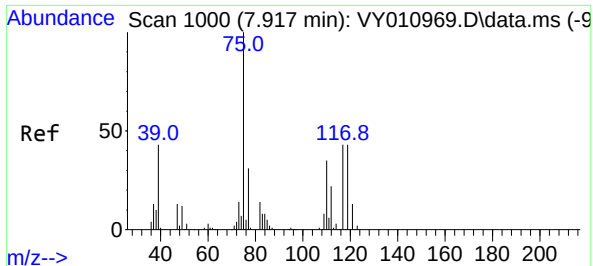
Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

192 19.1 17.6 26.4

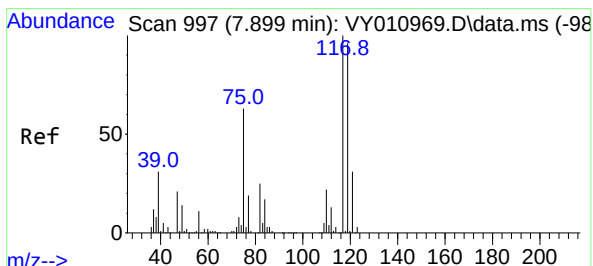
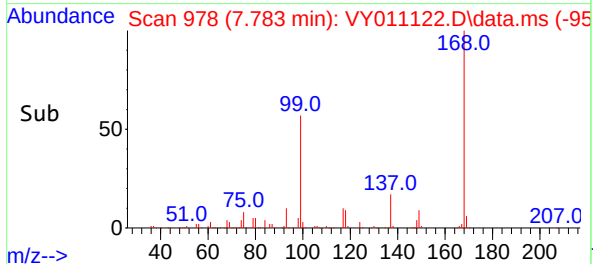
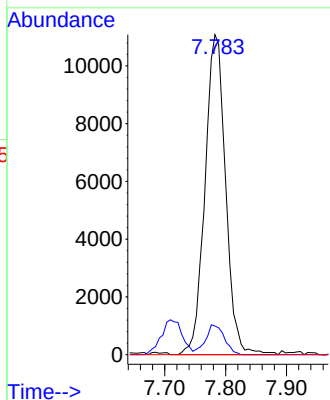
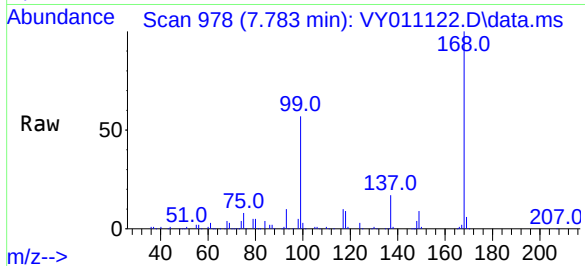




#36
1,1-Dichloropropene
Concen: 4.798 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY011122.D
Acq: 26 Oct 2022 17:28

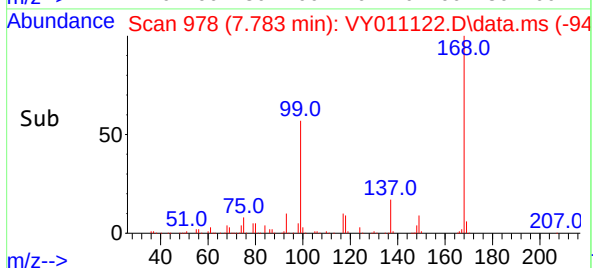
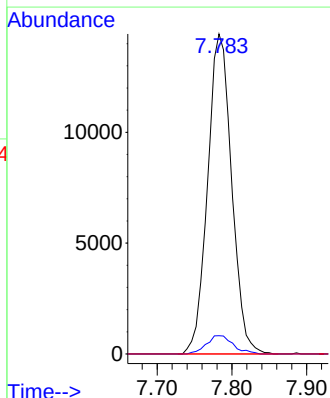
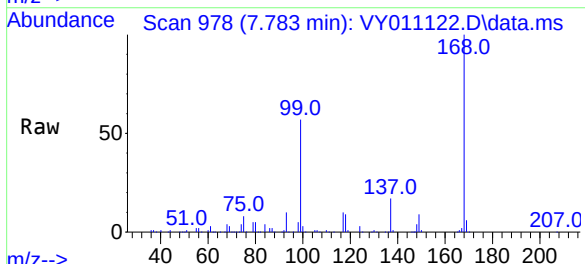
Instrument :
MSVOA_Y
ClientSampleId :
SB-5D

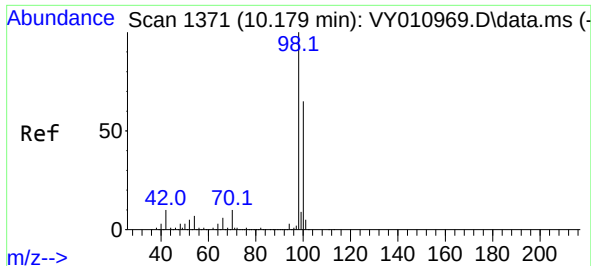
Tgt Ion: 75 Resp: 26075
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.752 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY011122.D
Acq: 26 Oct 2022 17:28

Tgt Ion: 117 Resp: 32269
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#

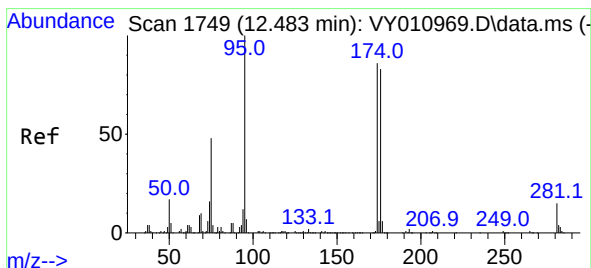
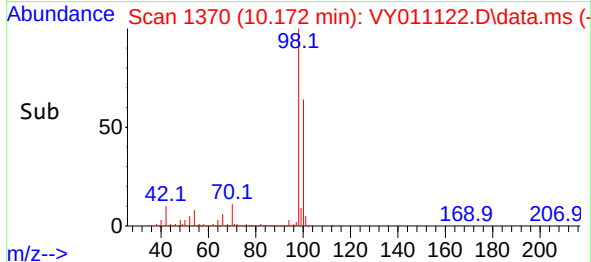
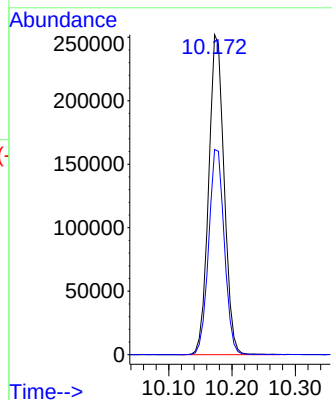
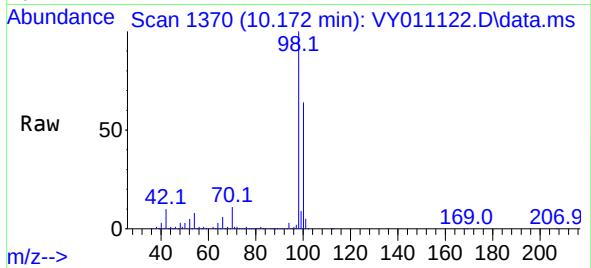




#50
Toluene-d8
Concen: 35.134 ug/l
RT: 10.172 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011122.D
Acq: 26 Oct 2022 17:28

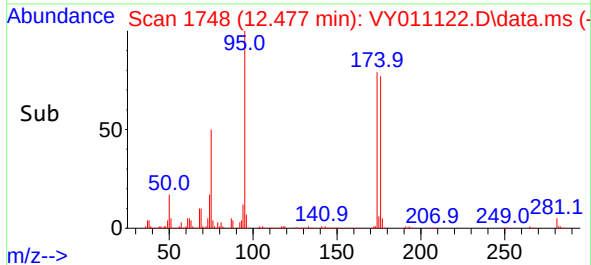
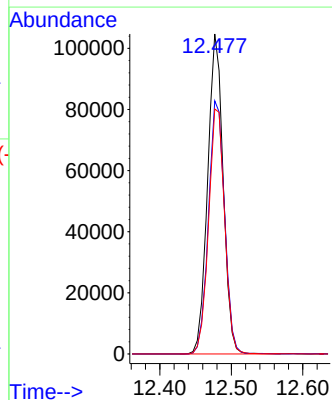
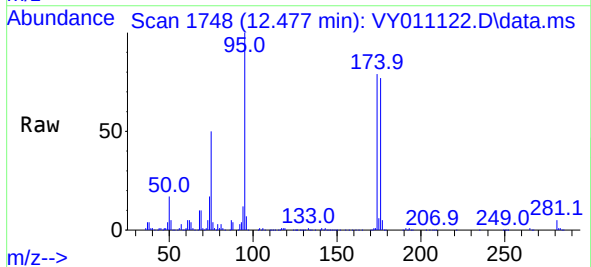
Instrument :
MSVOA_Y
ClientSampleId :
SB-5D

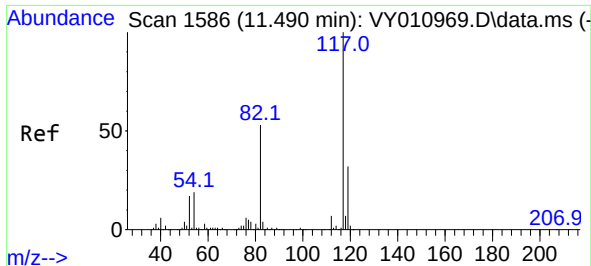
Tgt Ion: 98 Resp: 428276
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 35.627 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011122.D
Acq: 26 Oct 2022 17:28

Tgt Ion: 95 Resp: 157650
Ion Ratio Lower Upper
95 100
174 82.2 0.0 177.0
176 79.3 0.0 175.8

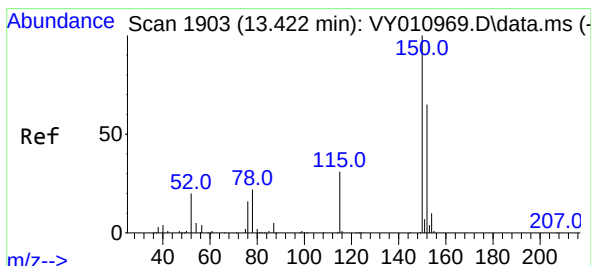
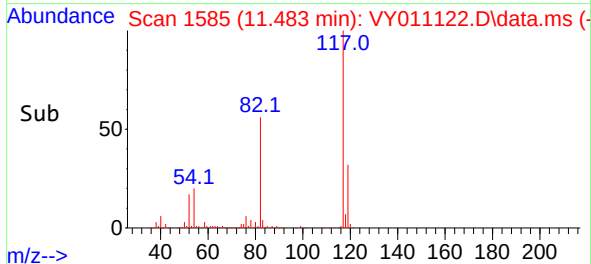
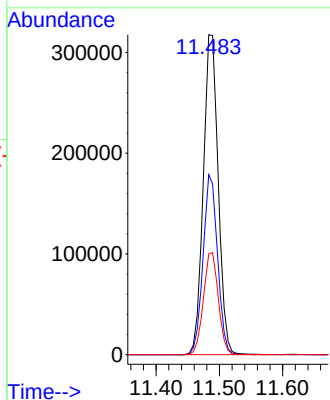
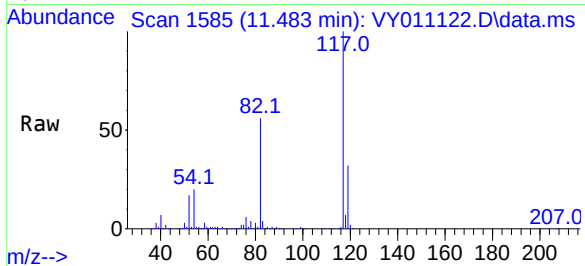




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011122.D
Acq: 26 Oct 2022 17:28

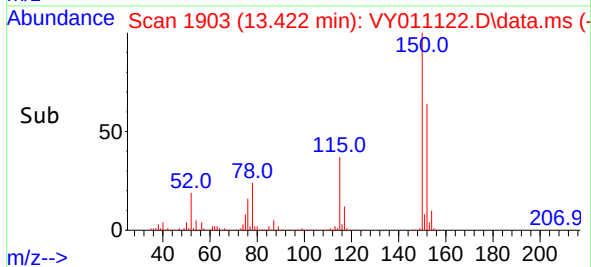
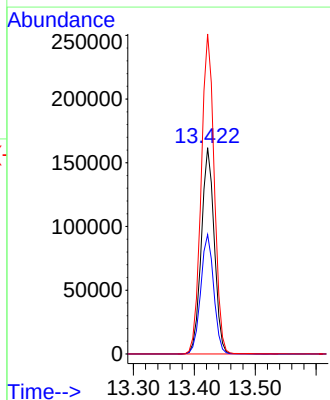
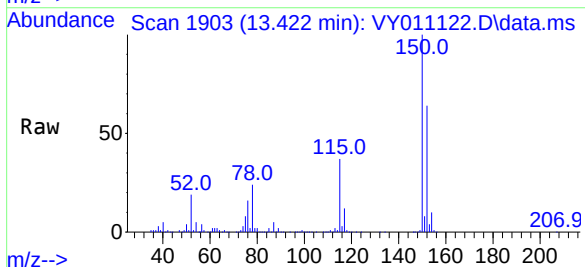
Instrument :
MSVOA_Y
ClientSampleId :
SB-5D

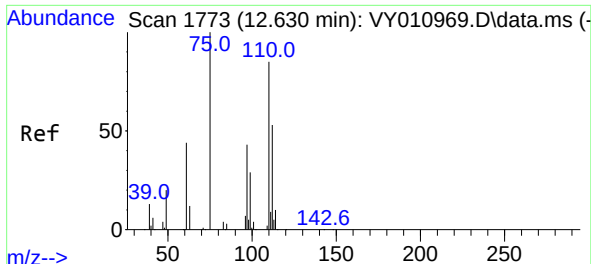
Tgt Ion:117 Resp: 522271
Ion Ratio Lower Upper
117 100
82 56.2 43.0 64.4
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011122.D
Acq: 26 Oct 2022 17:28

Tgt Ion:152 Resp: 238880
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 157.2 0.0 347.6

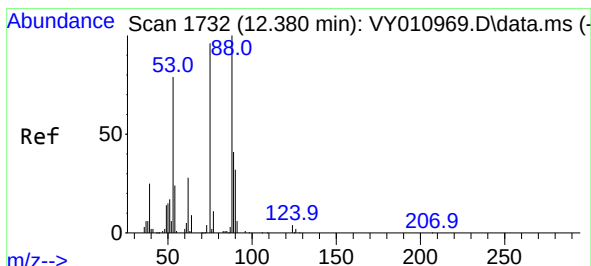
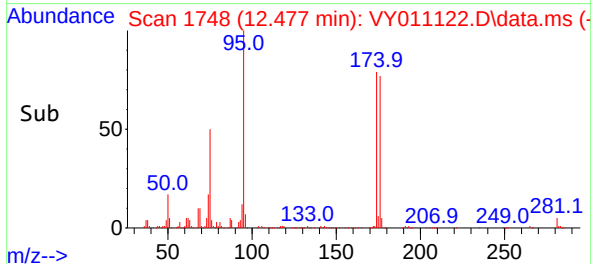
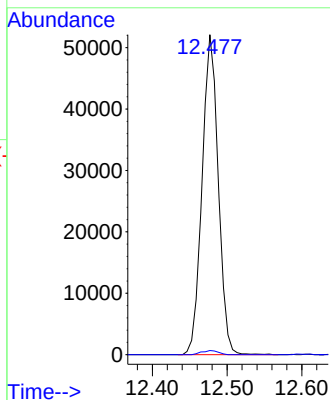
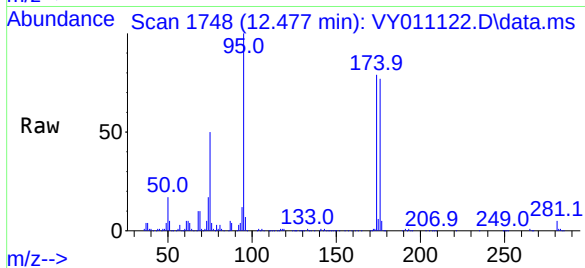




#76
1,2,3-Trichloropropane
Concen: 28.884 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY011122.D
Acq: 26 Oct 2022 17:28

Instrument :
MSVOA_Y
ClientSampleId :
SB-5D

Tgt Ion: 75 Resp: 78335
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.121 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011122.D
Acq: 26 Oct 2022 17:28

Tgt Ion: 75 Resp: 78335
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

