

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110722\
 Data File : VY011346.D
 Acq On : 07 Nov 2022 19:26
 Operator : KP/MD
 Sample : N5478-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-NYE-AVE

Quant Time: Nov 08 03:31:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	233267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	388859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	340933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	151266	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	126057	50.528	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.060%
35) Dibromofluoromethane	7.716	113	133941	53.611	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.220%
50) Toluene-d8	10.179	98	441740	45.539	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.080%
62) 4-Bromofluorobenzene	12.477	95	152870	45.395	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.780%

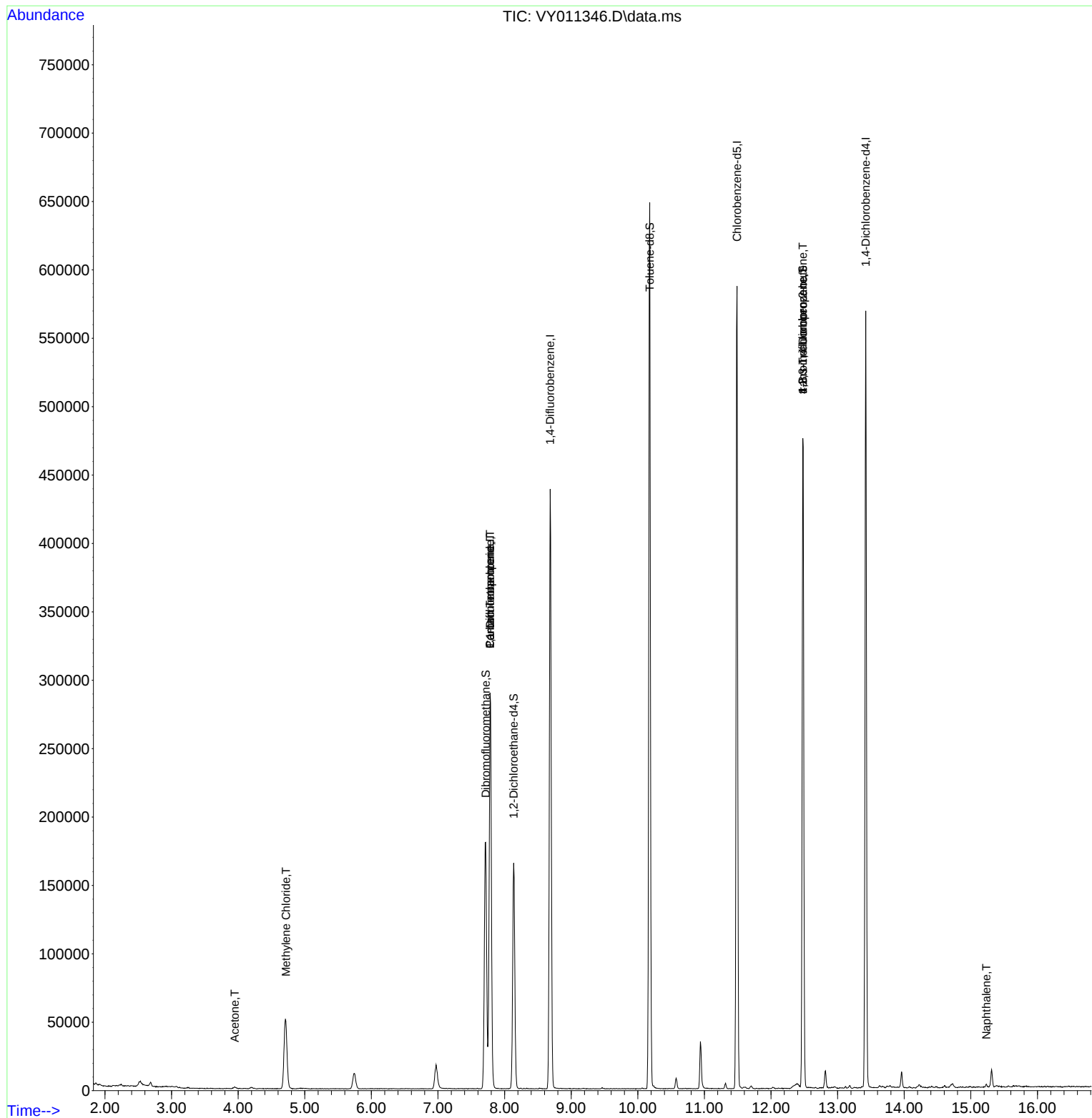
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.894	85	98	Below Cal	#	43
11) Tert butyl alcohol	4.954	59	687	Below Cal	#	77
16) Acetone	3.948	43	2183	2.899	ug/l #	70
20) Methylene Chloride	4.716	84	42309	9.683	ug/l #	79
36) 1,1-Dichloropropene	7.783	75	17052	4.179	ug/l #	50
38) Carbon Tetrachloride	7.783	117	22350	5.280	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	74001	40.184	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	74001	86.000	ug/l #	7
95) Naphthalene	15.233	128	2203	4.270	ug/l	97

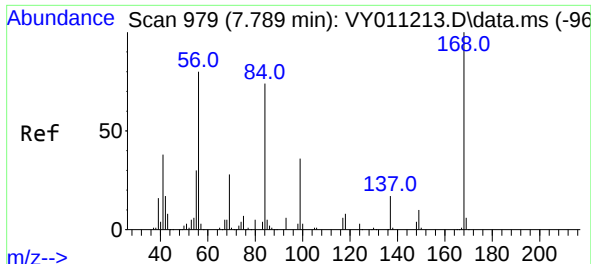
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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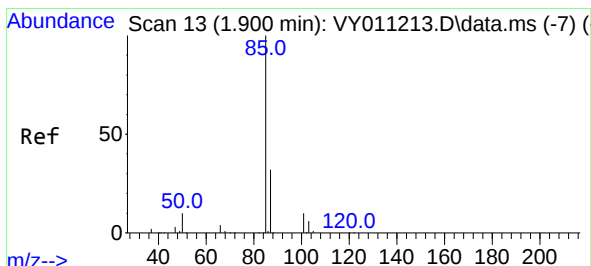
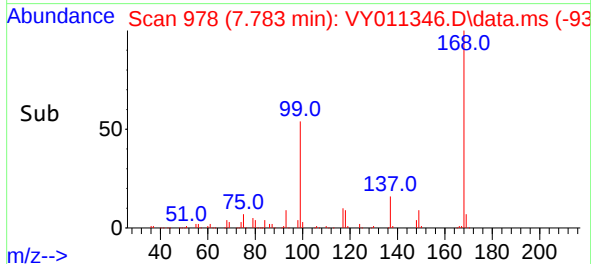
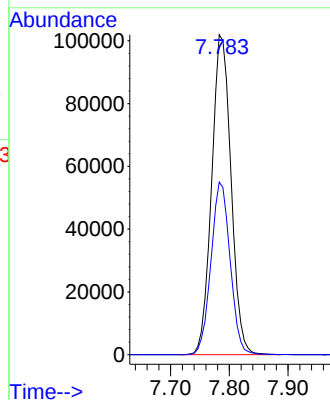
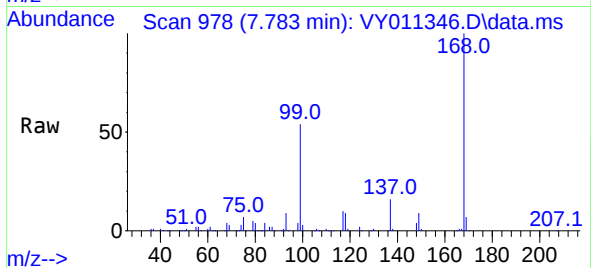




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011346.D
Acq: 07 Nov 2022 19:26

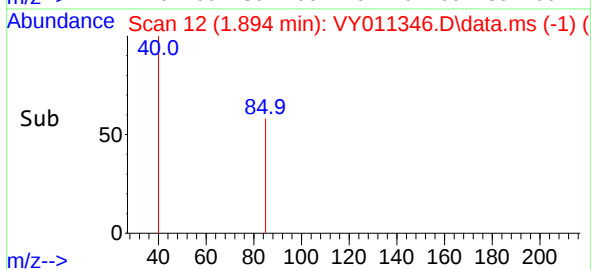
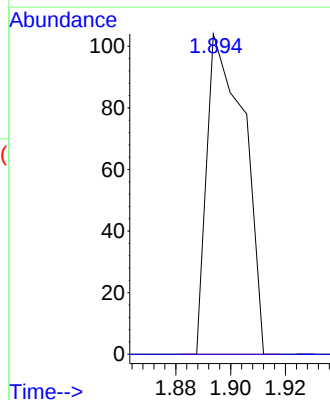
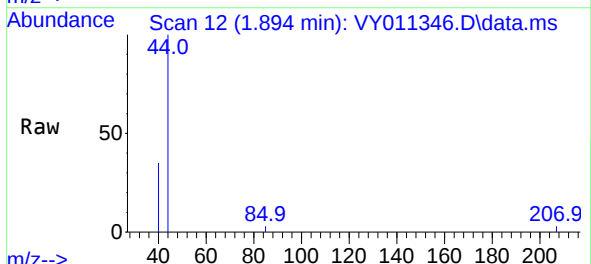
Instrument :
MSVOA_Y
ClientSampleId :
MH-NYE-AVE

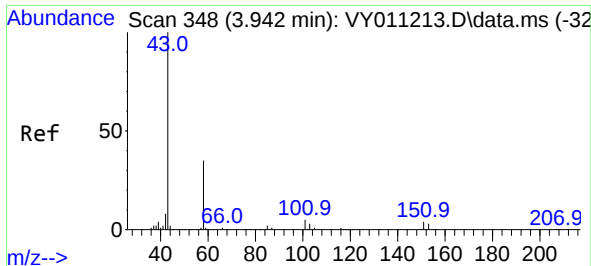
Tgt Ion:168 Resp: 233267
Ion Ratio Lower Upper
168 100
99 54.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY011346.D
Acq: 07 Nov 2022 19:26

Tgt Ion: 85 Resp: 98
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

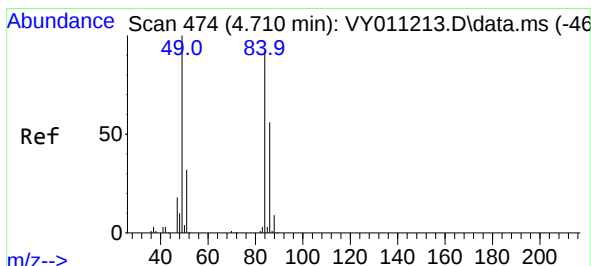
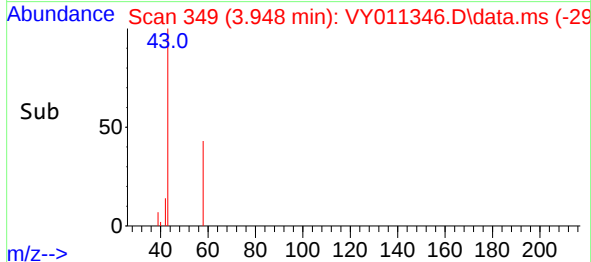
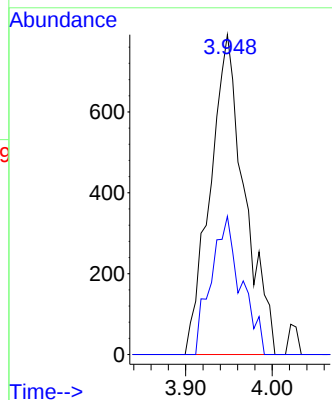
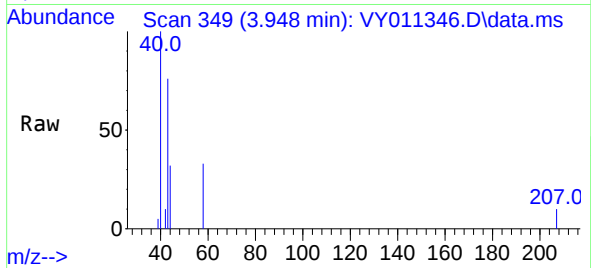




#16
Acetone
Concen: 2.899 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY011346.D
Acq: 07 Nov 2022 19:26

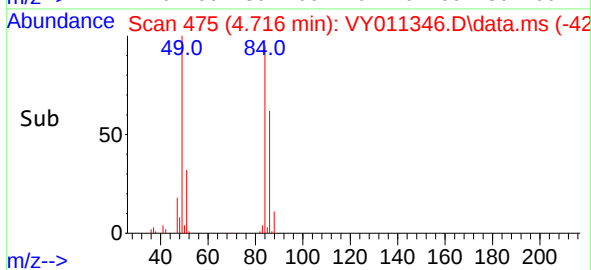
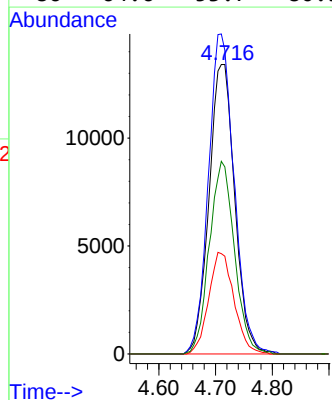
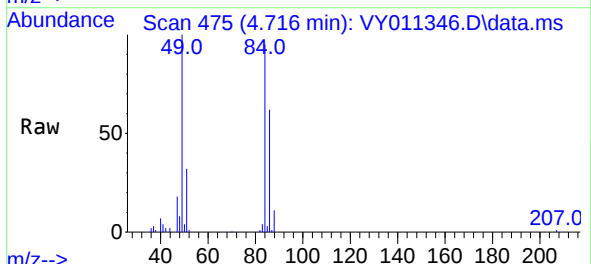
Instrument :
MSVOA_Y
ClientSampleId :
MH-NYE-AVE

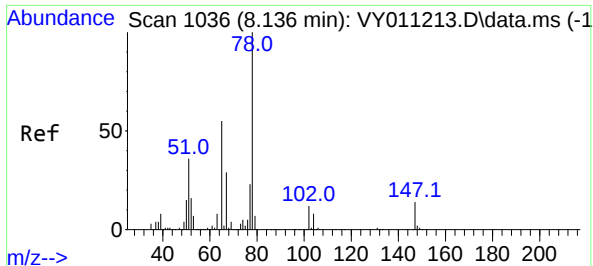
Tgt Ion: 43 Resp: 2183
Ion Ratio Lower Upper
43 100
58 43.2 22.0 33.0#



#20
Methylene Chloride
Concen: 9.683 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY011346.D
Acq: 07 Nov 2022 19:26

Tgt Ion: 84 Resp: 42309
Ion Ratio Lower Upper
84 100
49 104.9 114.4 171.6#
51 33.8 35.3 52.9#
86 64.6 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 50.528 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011346.D

Acq: 07 Nov 2022 19:26

Instrument :

MSVOA_Y

ClientSampleId :

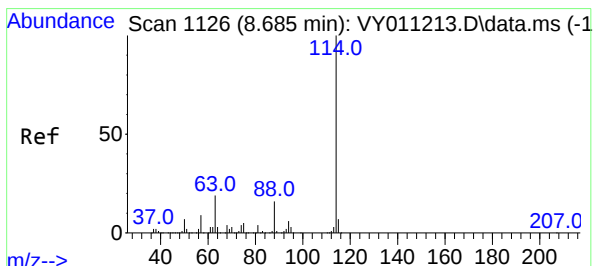
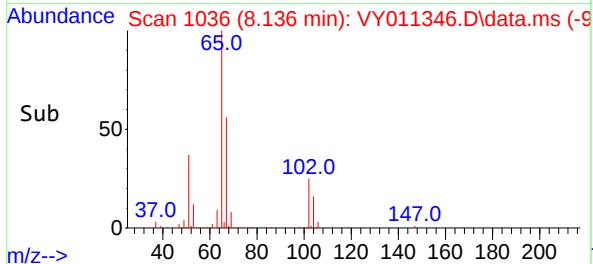
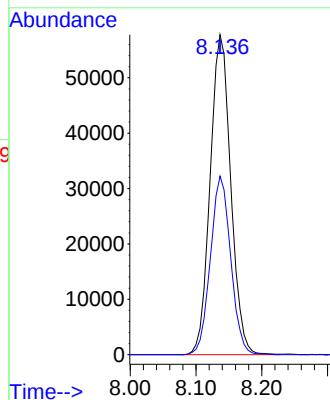
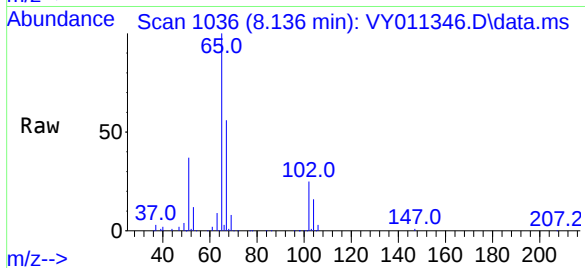
MH-NYE-AVE

Tgt Ion: 65 Resp: 126057

Ion Ratio Lower Upper

65 100

67 54.9 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: VY011346.D

Acq: 07 Nov 2022 19:26

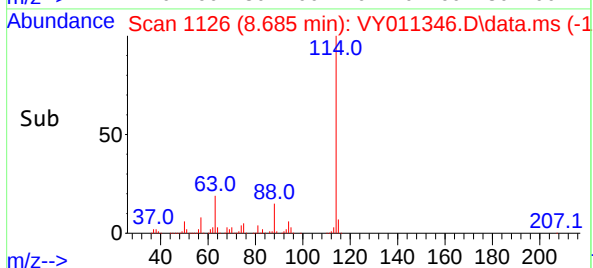
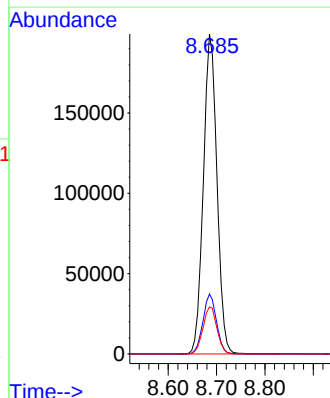
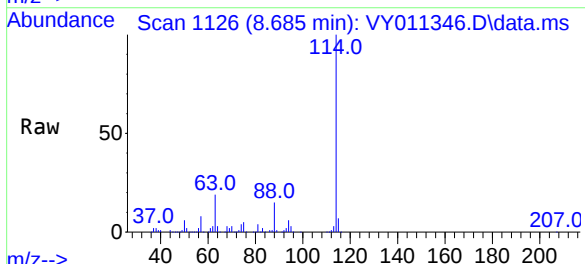
Tgt Ion: 114 Resp: 388859

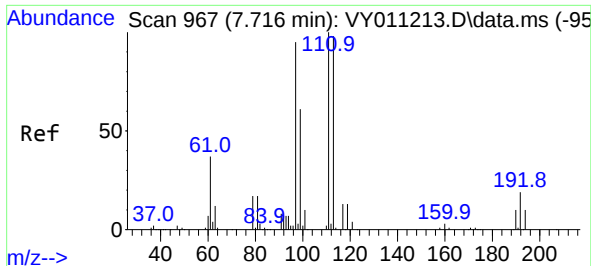
Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 14.7 0.0 31.8

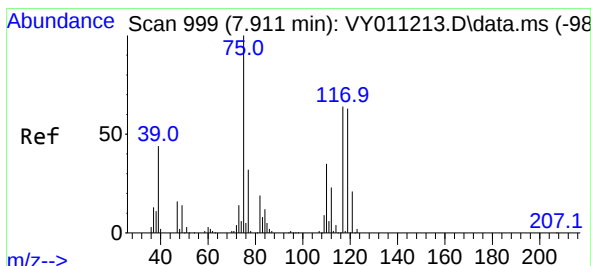
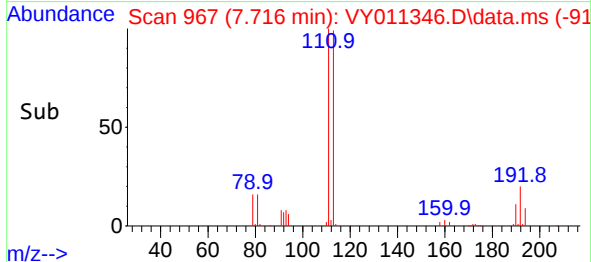
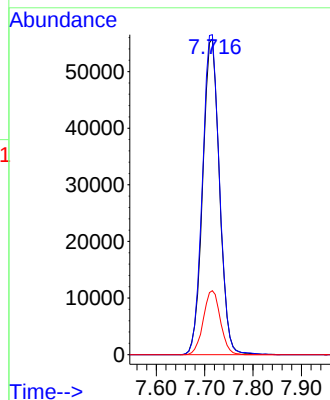
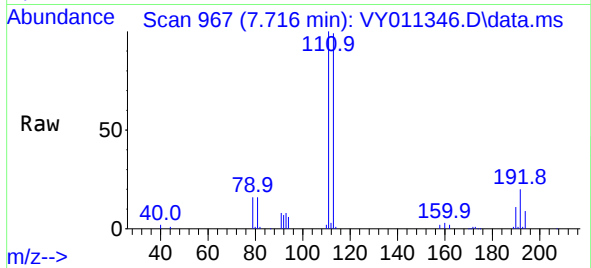




#35
Dibromofluoromethane
Concen: 53.611 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011346.D
Acq: 07 Nov 2022 19:26

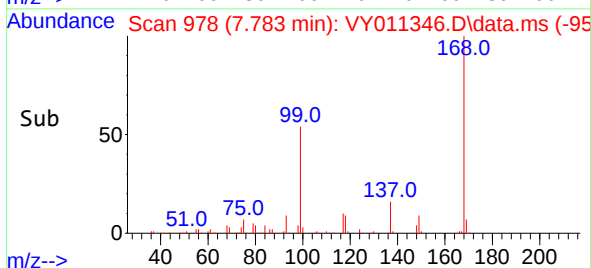
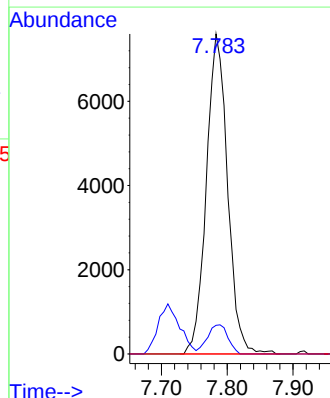
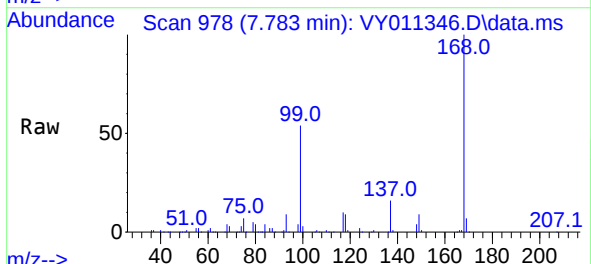
Instrument :
MSVOA_Y
ClientSampleId :
MH-NYE-AVE

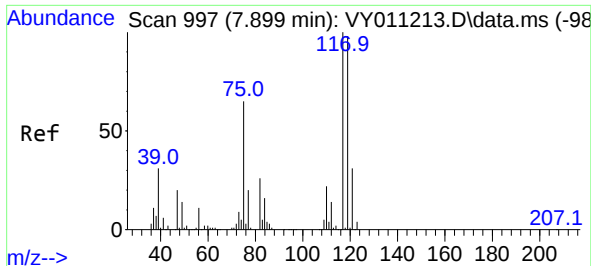
Tgt Ion:113 Resp: 133941
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 20.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.179 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011346.D
Acq: 07 Nov 2022 19:26

Tgt Ion: 75 Resp: 17052
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#

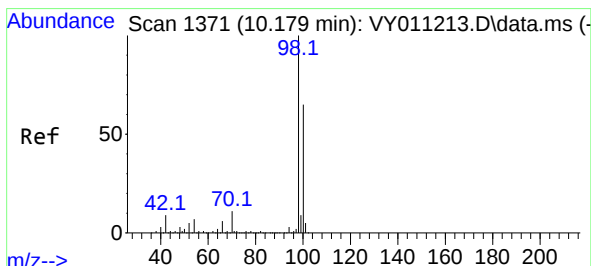
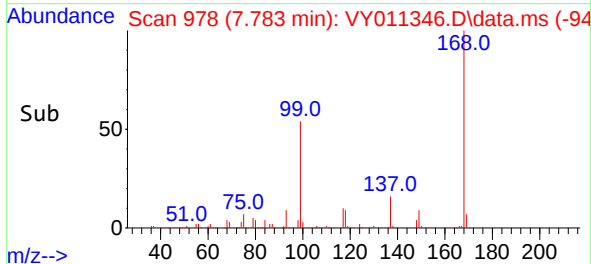
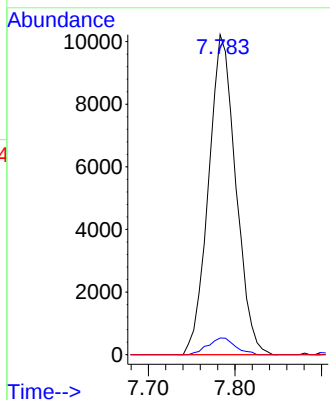
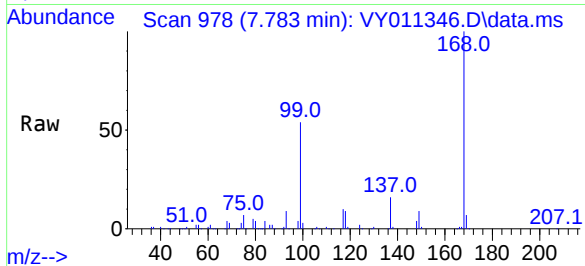




#38
Carbon Tetrachloride
Concen: 5.280 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011346.D
Acq: 07 Nov 2022 19:26

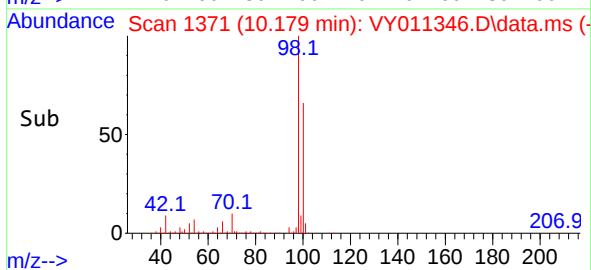
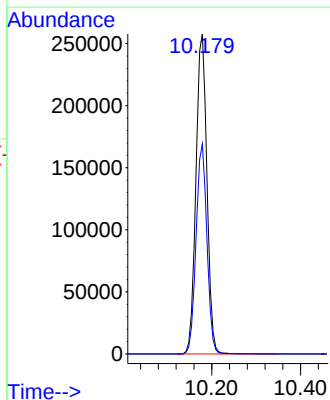
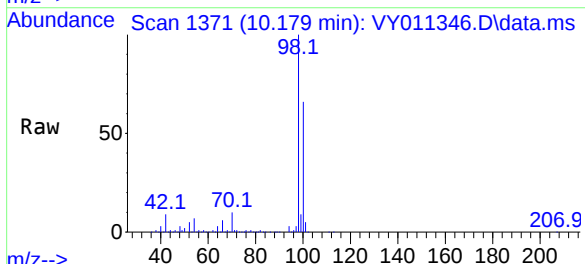
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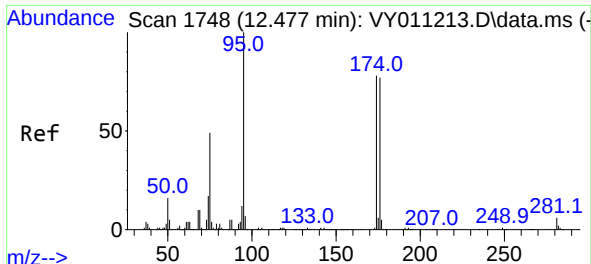
Tgt Ion:117 Resp: 22350
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 45.539 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011346.D
Acq: 07 Nov 2022 19:26

Tgt Ion: 98 Resp: 441740
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2

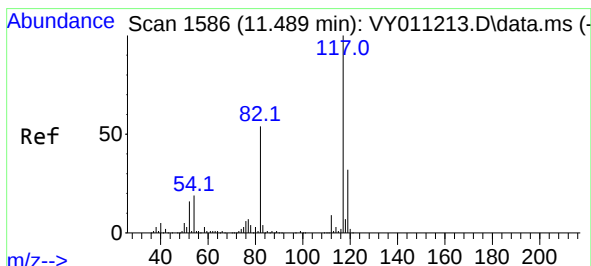
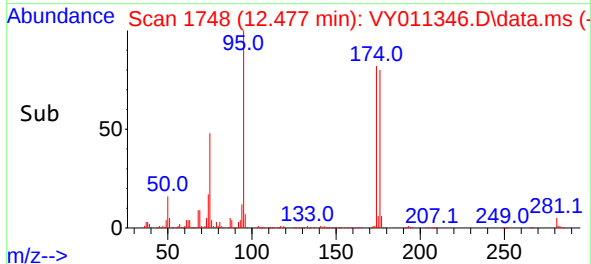
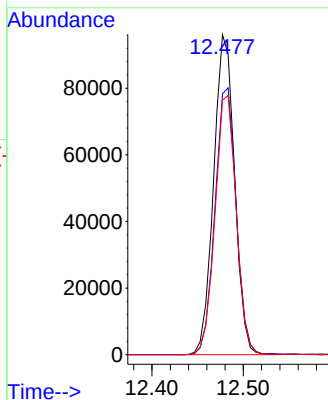
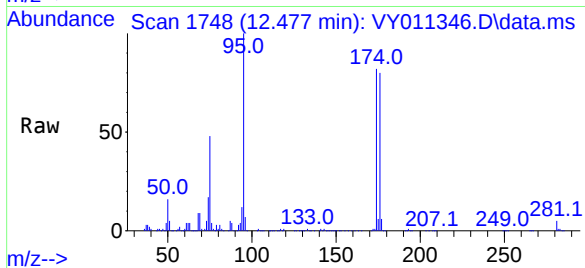




#62
4-Bromofluorobenzene
Concen: 45.395 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011346.D
Acq: 07 Nov 2022 19:26

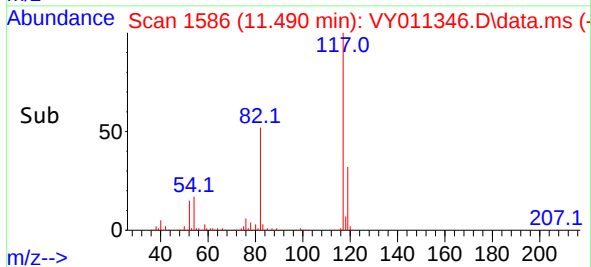
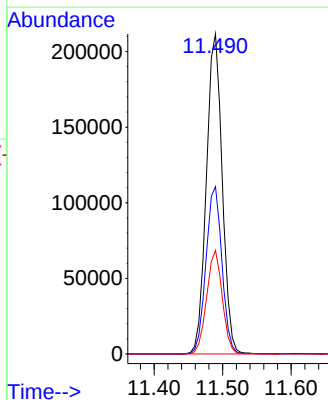
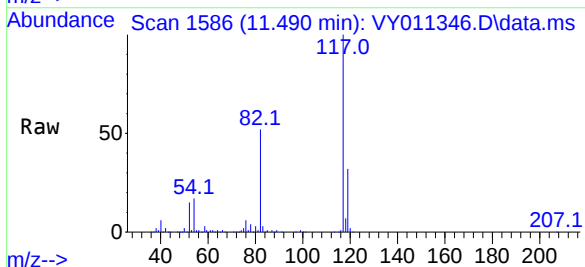
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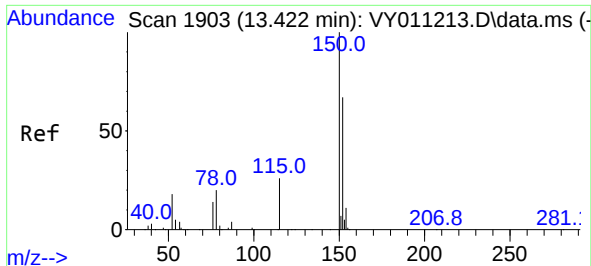
Tgt Ion: 95 Resp: 152870
Ion Ratio Lower Upper
95 100
174 84.9 0.0 177.0
176 81.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011346.D
Acq: 07 Nov 2022 19:26

Tgt Ion: 117 Resp: 340933
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.4
119 32.4 25.4 38.0

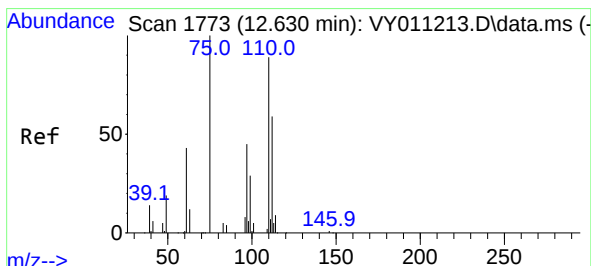
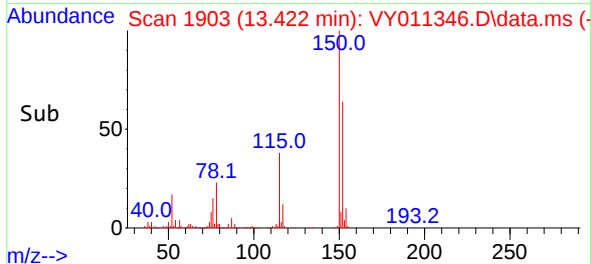
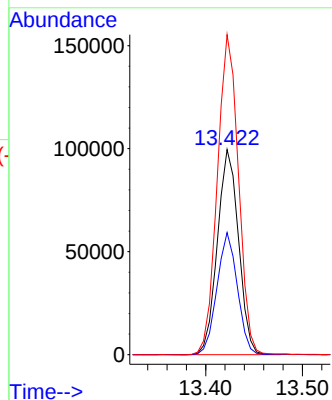
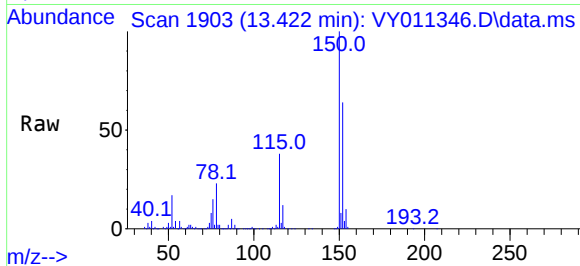




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY011346.D
 Acq: 07 Nov 2022 19:26

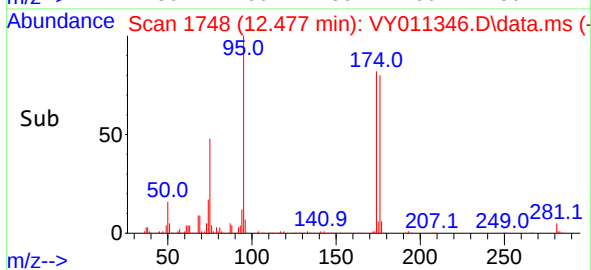
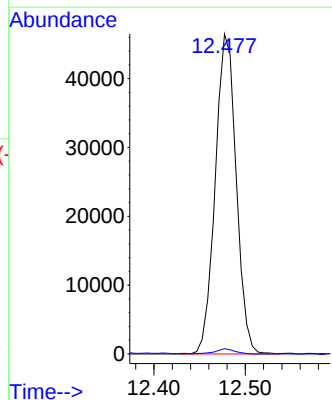
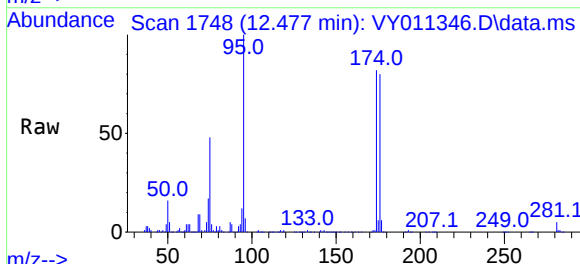
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-NYE-AVE

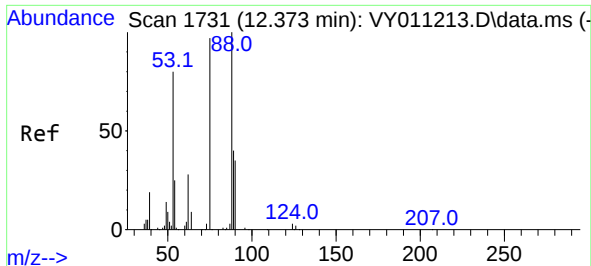
Tgt Ion:152 Resp: 151266
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.2 84.7
 150 155.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 40.184 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY011346.D
 Acq: 07 Nov 2022 19:26

Tgt Ion: 75 Resp: 74001
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

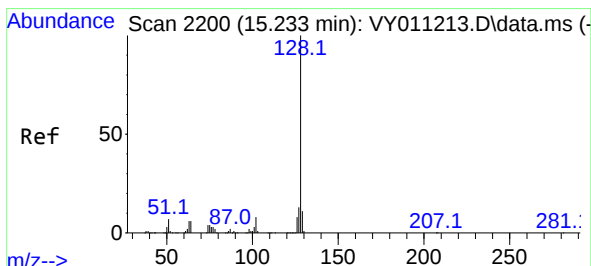
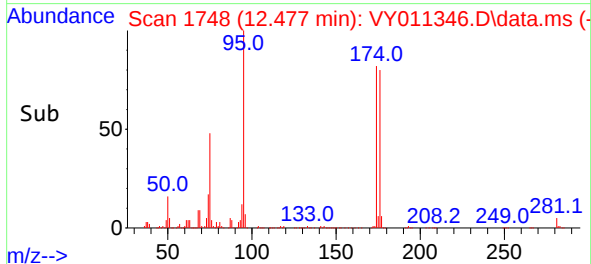
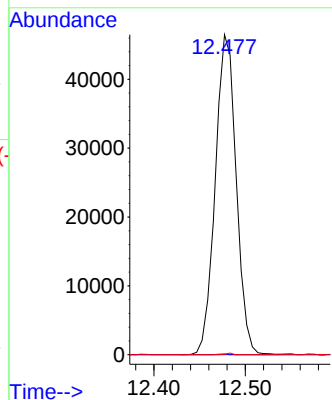
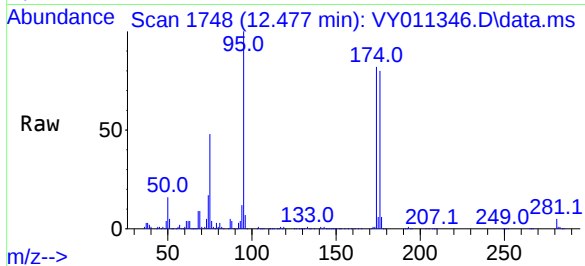




#81
trans-1,4-Dichloro-2-butene
Concen: 86.000 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011346.D
Acq: 07 Nov 2022 19:26

Instrument :
MSVOA_Y
ClientSampleId :
MH-NYE-AVE

Tgt Ion: 75 Resp: 74001
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.2 37.0 55.4#



#95
Naphthalene
Concen: 4.270 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011346.D
Acq: 07 Nov 2022 19:26

Tgt Ion: 128 Resp: 2203
Ion Ratio Lower Upper
128 100
127 12.7 11.0 16.4
129 11.9 8.4 12.6

