

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012285.D
 Acq On : 20 Jan 2023 13:05
 Operator : KP/MD
 Sample : 01190-05RE
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-4RE

Quant Time: Jan 23 02:18:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

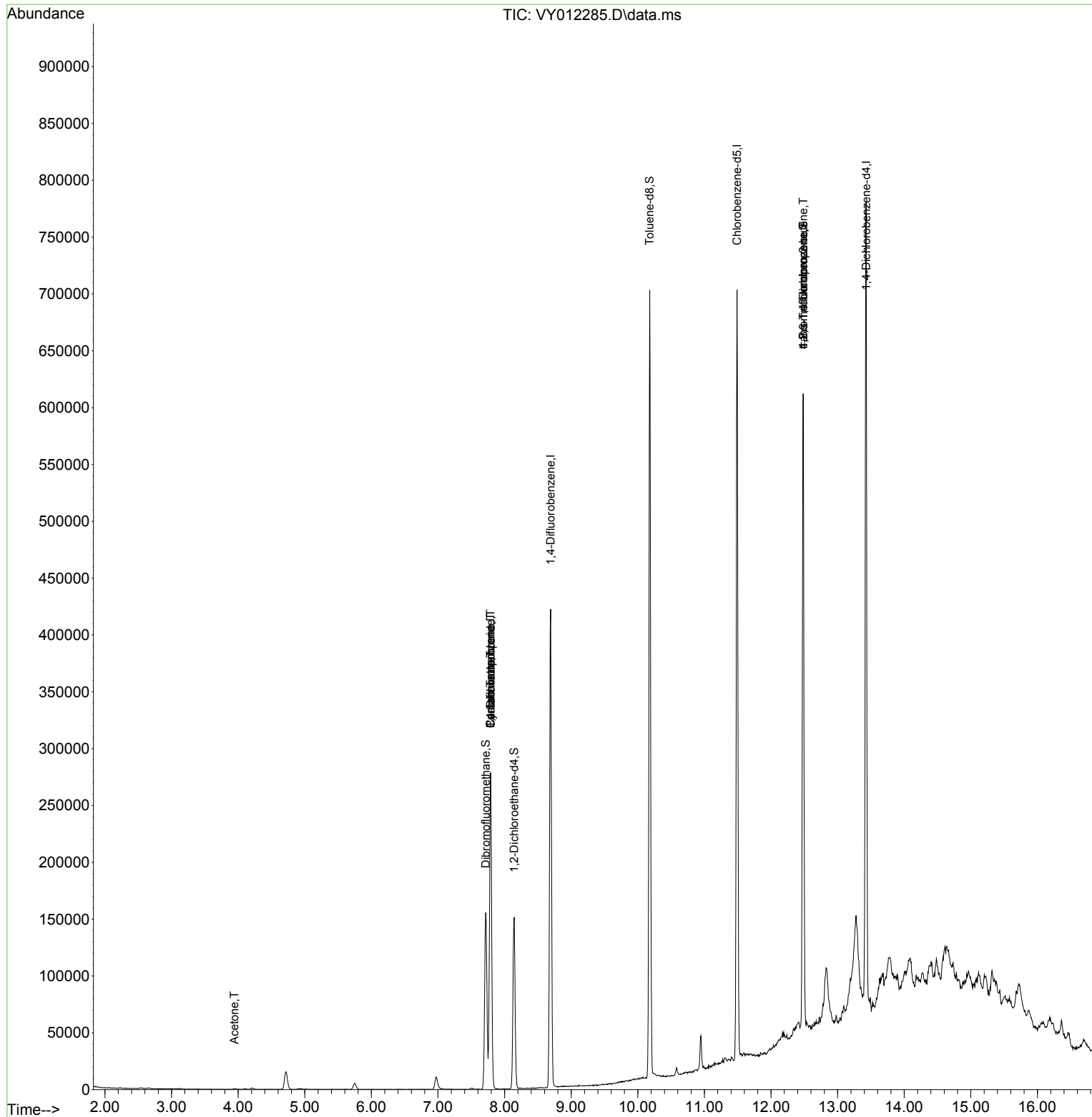
Internal Standards						
1) Pentafluorobenzene	7.789	168	219889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	372339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	382037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	191059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	124189	69.685	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.380%	
35) Dibromofluoromethane	7.716	113	110580	56.088	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.180%	
50) Toluene-d8	10.179	98	455466	68.258	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 136.520%	
62) 4-Bromofluorobenzene	12.483	95	173816	62.540	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 125.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	598	Below Cal	#	74
16) Acetone	3.942	43	1107	1.808	ug/l #	68
20) Methylene Chloride	4.722	84	13683	Below Cal		86
31) Cyclohexane	7.789	56	3865	1.206	ug/l #	15
36) 1,1-Dichloropropene	7.789	75	15313	4.570	ug/l #	50
38) Carbon Tetrachloride	7.789	117	21866	5.053	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	88900	50.602	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	88900	104.262	ug/l #	13

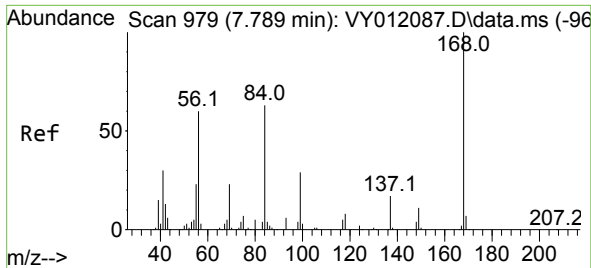
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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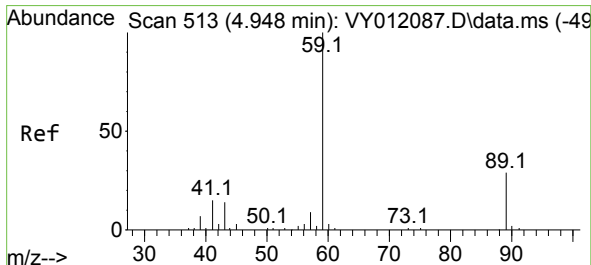
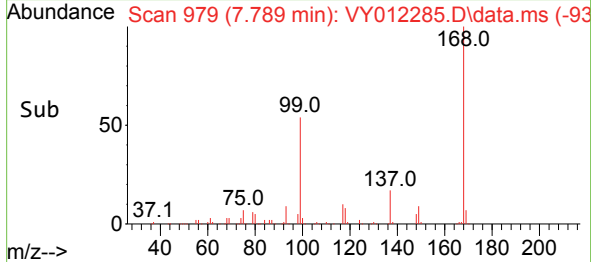
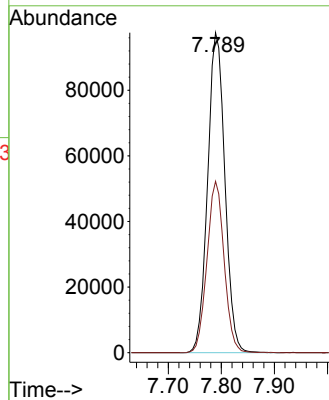
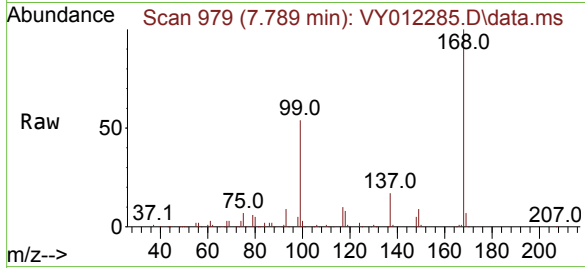




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012285.D
Acq: 20 Jan 2023 13:05

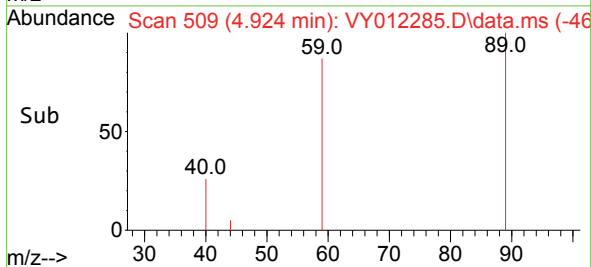
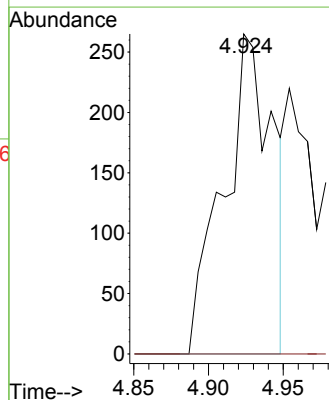
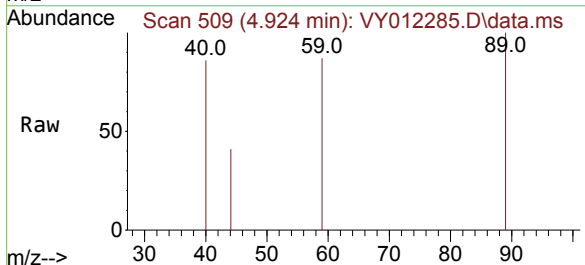
Instrument :
MSVOA_Y
ClientSampleId :
PE-4RE

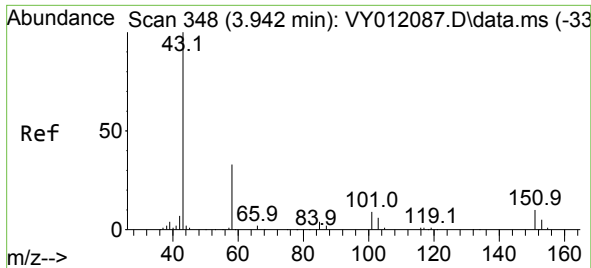
Tgt Ion:168 Resp: 219889
Ion Ratio Lower Upper
168 100
99 53.6 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY012285.D
Acq: 20 Jan 2023 13:05

Tgt Ion: 59 Resp: 598
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 1.808 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY012285.D

Acq: 20 Jan 2023 13:05

Instrument :

MSVOA_Y

ClientSampleId :

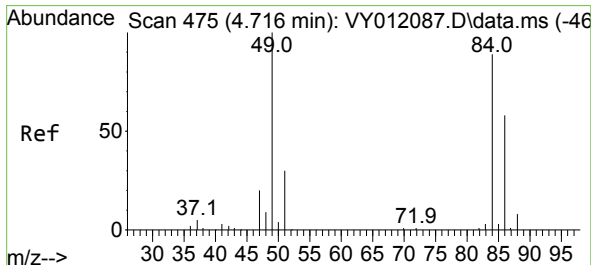
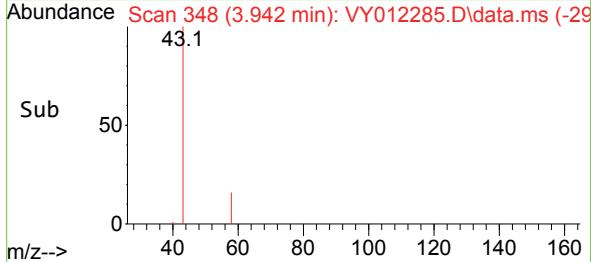
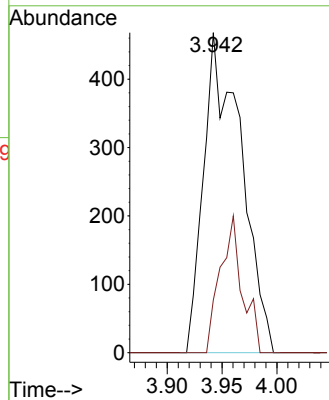
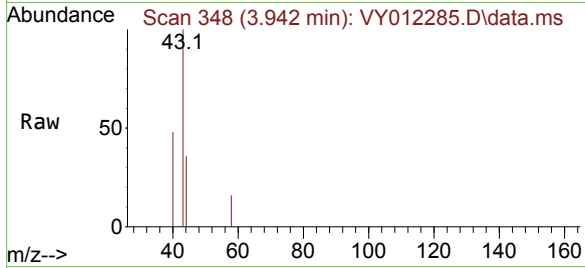
PE-4RE

Tgt Ion: 43 Resp: 1107

Ion Ratio Lower Upper

43 100

58 16.5 27.9 41.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY012285.D

Acq: 20 Jan 2023 13:05

Tgt Ion: 84 Resp: 13683

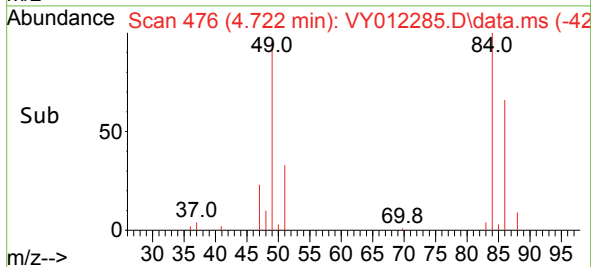
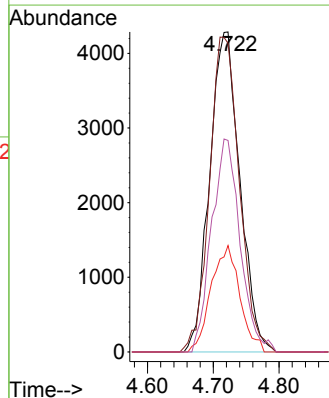
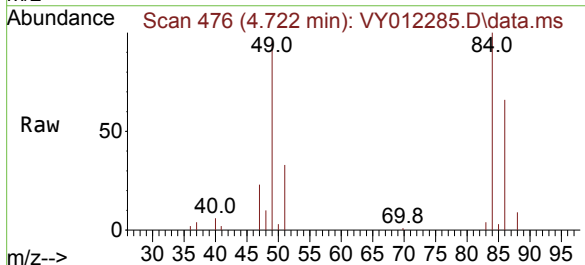
Ion Ratio Lower Upper

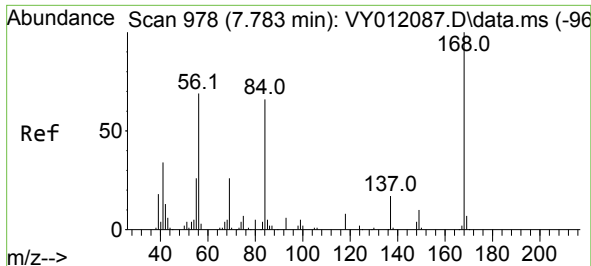
84 100

49 96.5 95.4 143.2

51 33.3 29.9 44.9

86 66.1 49.6 74.4

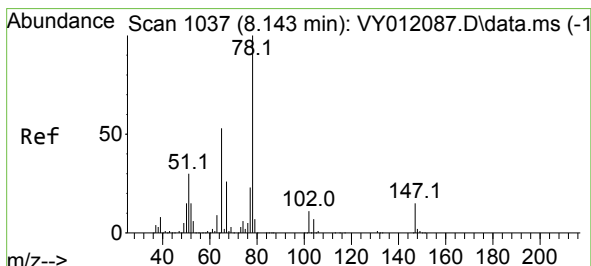
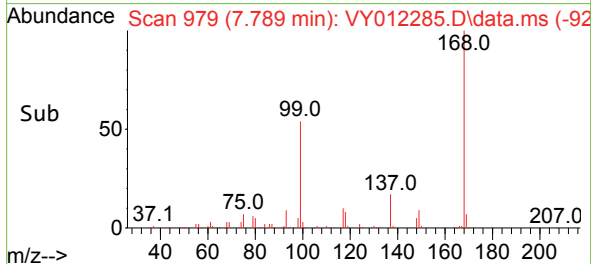
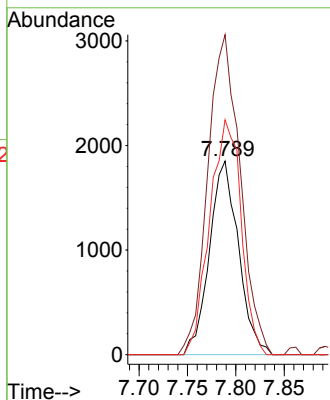
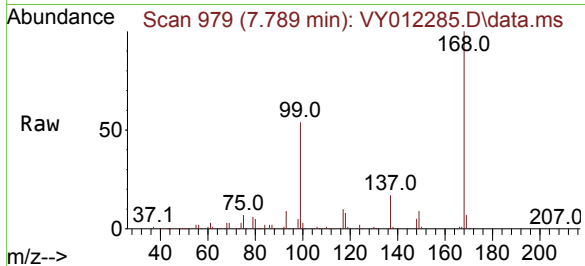




#31
Cyclohexane
Concen: 1.206 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012285.D
Acq: 20 Jan 2023 13:05

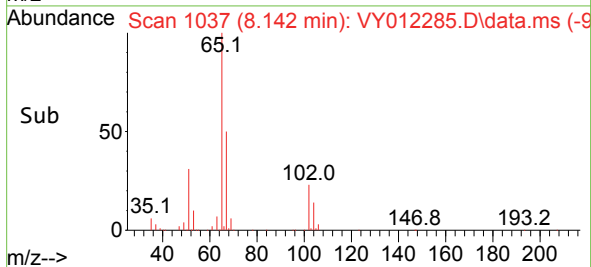
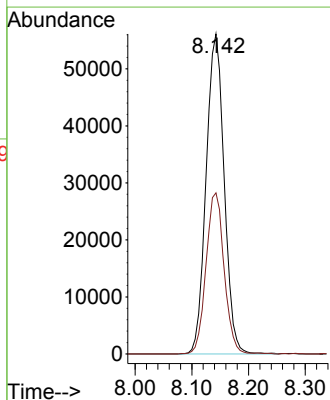
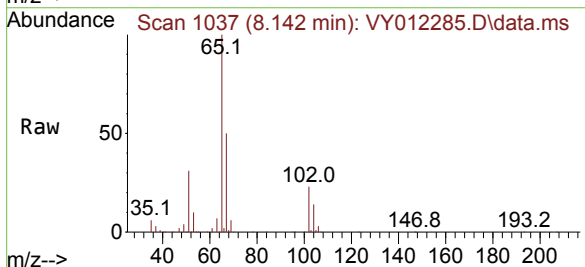
Instrument :
MSVOA_Y
ClientSampleId :
PE-4RE

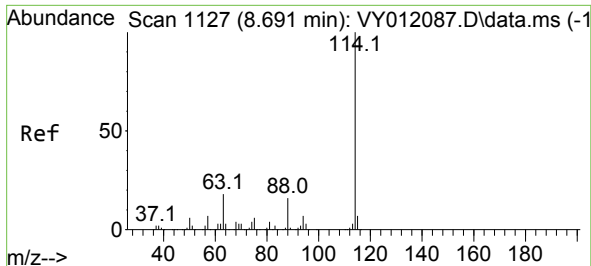
Tgt Ion: 56 Resp: 3865
Ion Ratio Lower Upper
56 100
69 165.2 29.2 43.8#
84 121.3 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 69.685 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012285.D
Acq: 20 Jan 2023 13:05

Tgt Ion: 65 Resp: 124189
Ion Ratio Lower Upper
65 100
67 50.5 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: VY012285.D

Acq: 20 Jan 2023 13:05

Instrument :

MSVOA_Y

ClientSampleId :

PE-4RE

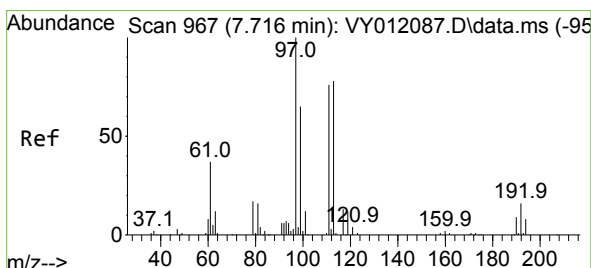
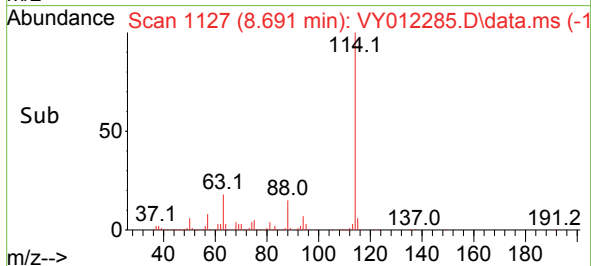
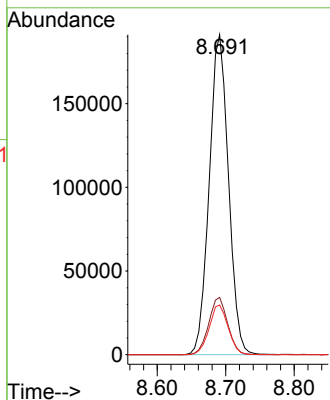
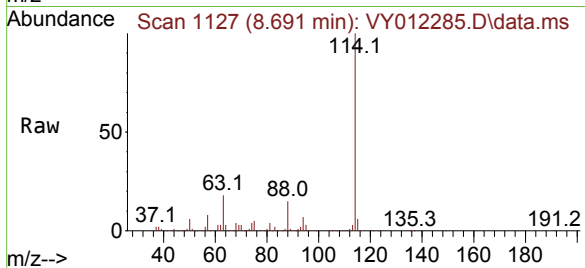
Tgt Ion:114 Resp: 372339

Ion Ratio Lower Upper

114 100

63 17.9 0.0 39.6

88 15.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 56.088 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012285.D

Acq: 20 Jan 2023 13:05

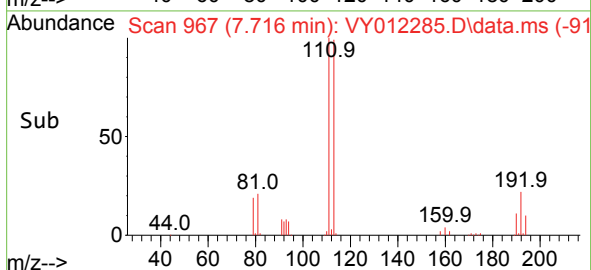
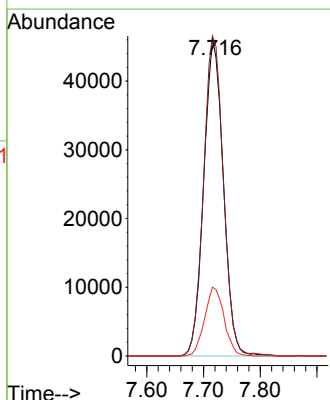
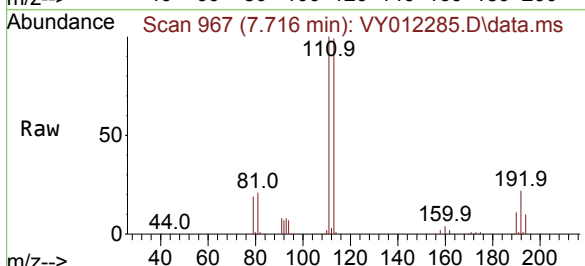
Tgt Ion:113 Resp: 110580

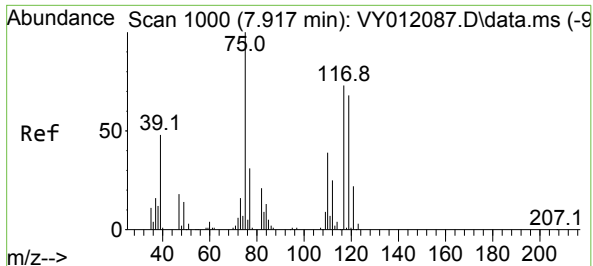
Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.4

192 21.6 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.570 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012285.D

Acq: 20 Jan 2023 13:05

Instrument :

MSVOA_Y

ClientSampleId :

PE-4RE

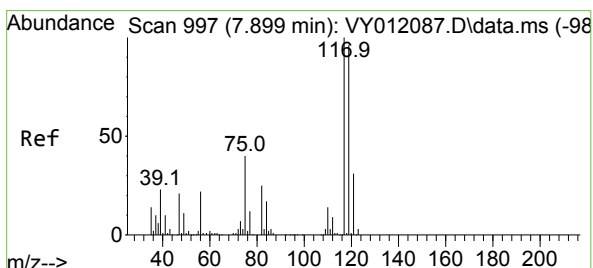
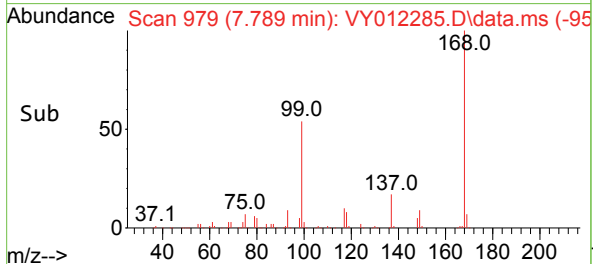
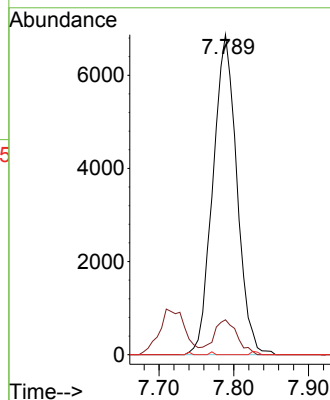
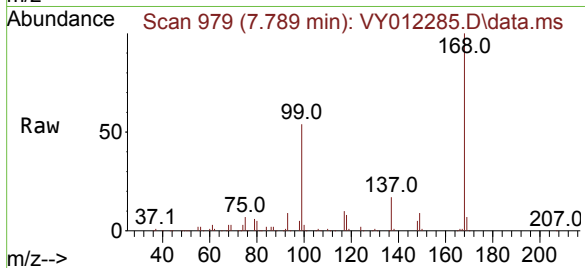
Tgt Ion: 75 Resp: 15313

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.1#

77 0.1 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.053 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012285.D

Acq: 20 Jan 2023 13:05

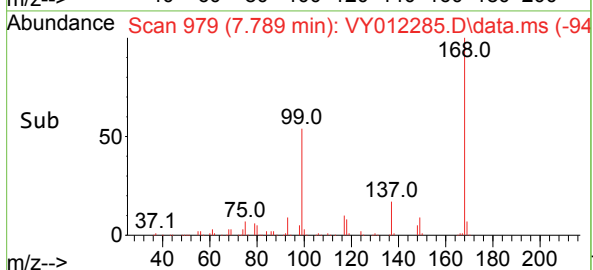
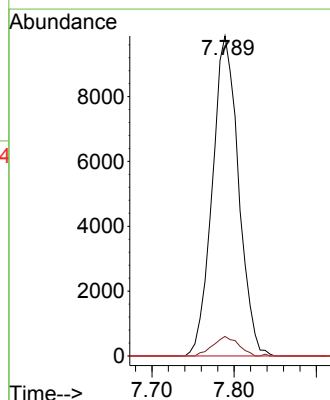
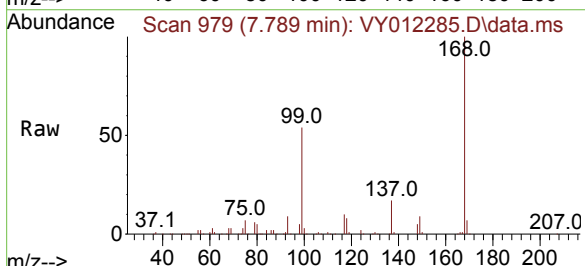
Tgt Ion: 117 Resp: 21866

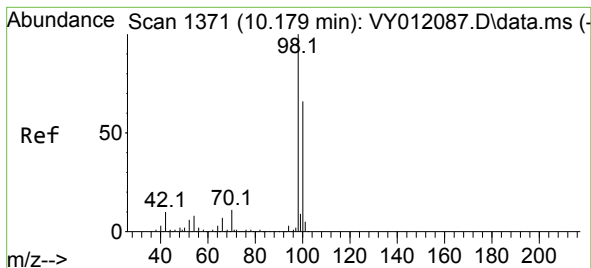
Ion Ratio Lower Upper

117 100

119 6.1 73.8 110.8#

121 0.0 25.2 37.8#

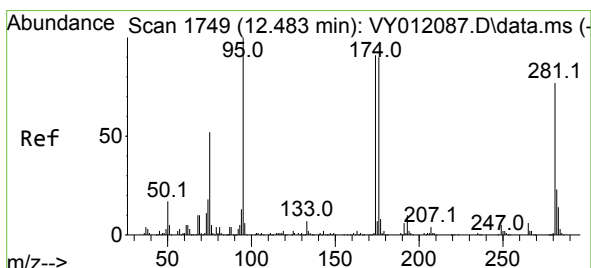
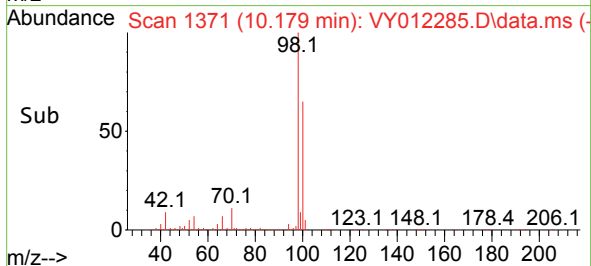
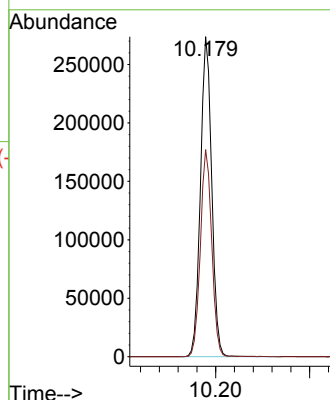
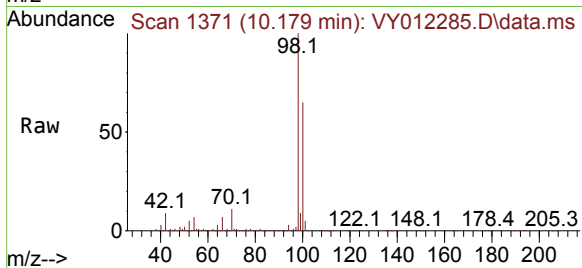




#50
Toluene-d8
Concen: 68.258 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012285.D
Acq: 20 Jan 2023 13:05

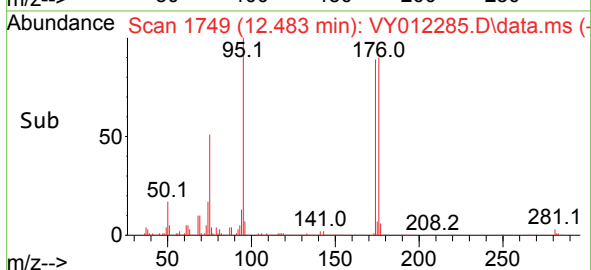
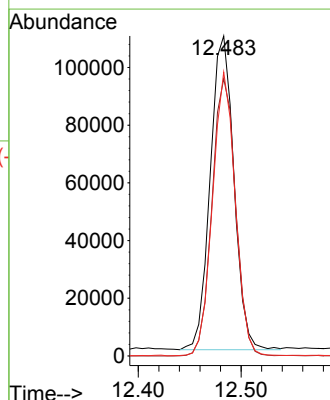
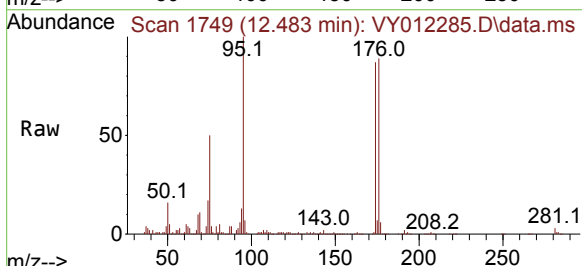
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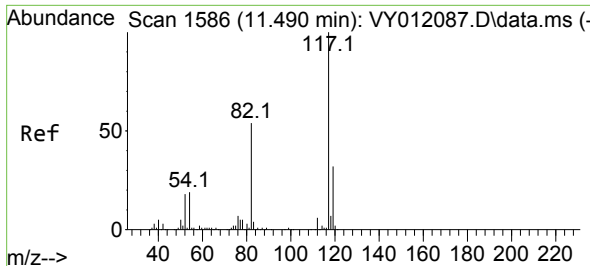
Tgt Ion: 98 Resp: 455466
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 62.540 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012285.D
Acq: 20 Jan 2023 13:05

Tgt Ion: 95 Resp: 173816
Ion Ratio Lower Upper
95 100
174 88.1 0.0 172.0
176 86.4 0.0 167.6

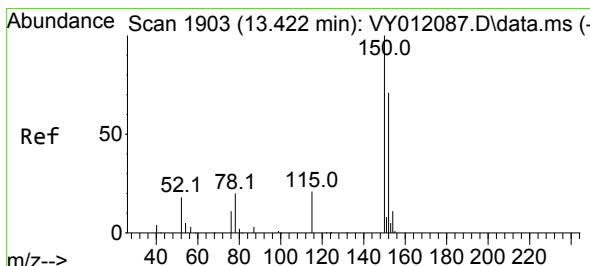
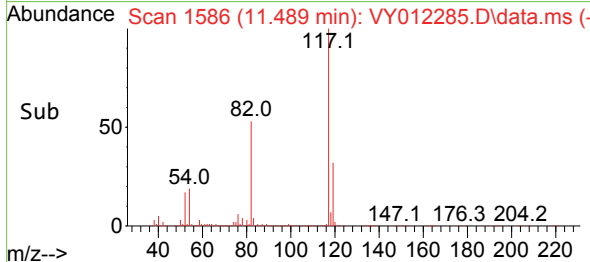
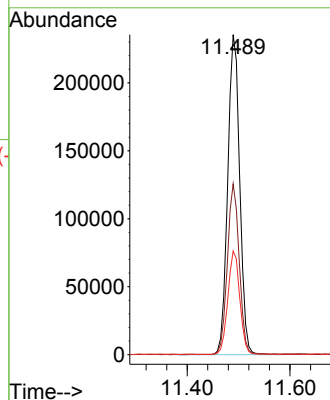
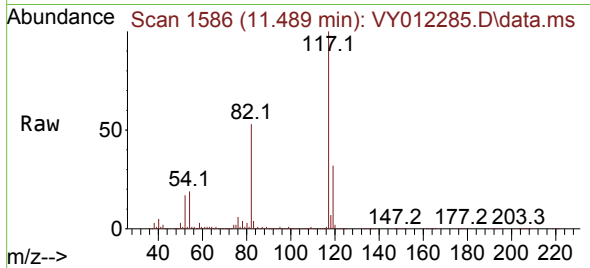




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012285.D
Acq: 20 Jan 2023 13:05

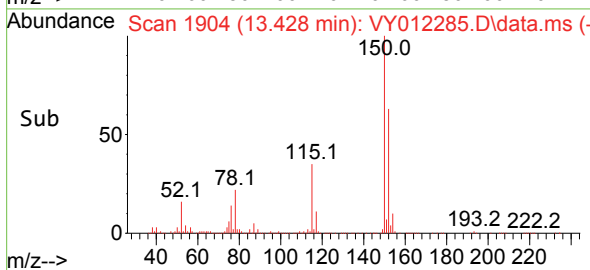
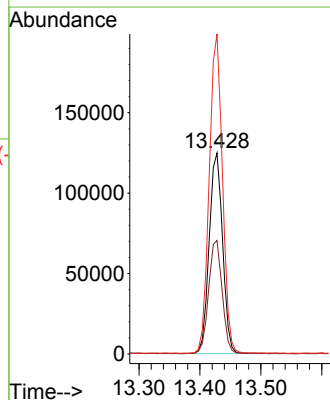
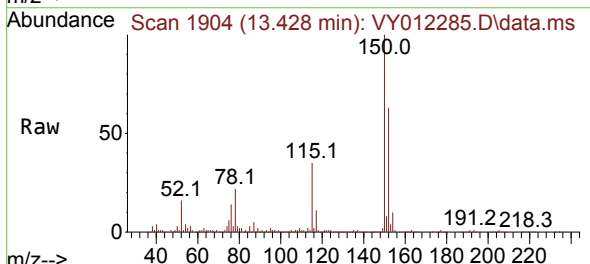
Instrument :
MSVOA_Y
ClientSampleId :
PE-4RE

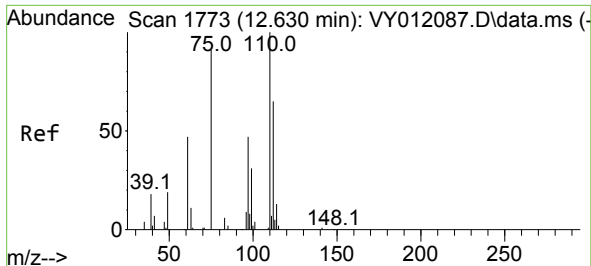
Tgt Ion:117 Resp: 382037
Ion Ratio Lower Upper
117 100
82 53.3 44.8 67.2
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012285.D
Acq: 20 Jan 2023 13:05

Tgt Ion:152 Resp: 191059
Ion Ratio Lower Upper
152 100
115 56.6 29.1 87.3
150 156.6 0.0 342.6

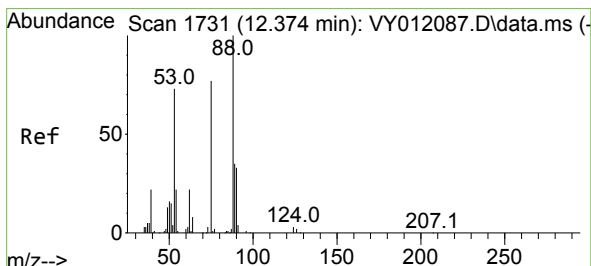
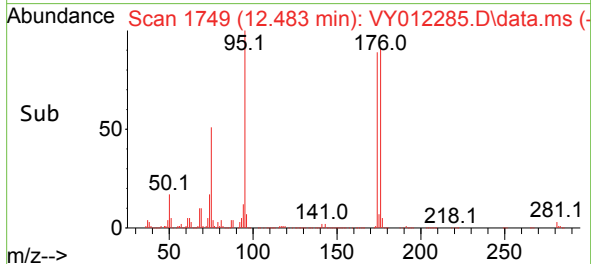
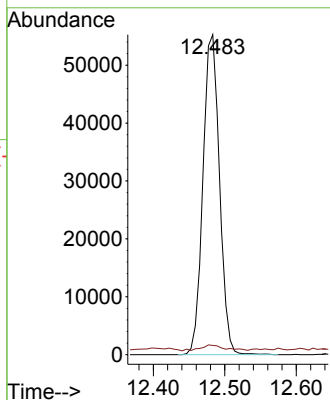
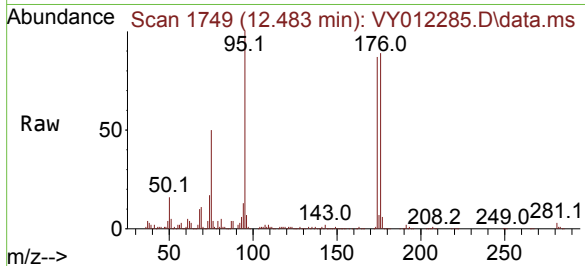




#76
1,2,3-Trichloropropane
Concen: 50.602 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012285.D
Acq: 20 Jan 2023 13:05

Instrument :
MSVOA_Y
ClientSampleId :
PE-4RE

Tgt Ion: 75 Resp: 88900
Ion Ratio Lower Upper
75 100
77 2.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.262 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012285.D
Acq: 20 Jan 2023 13:05

Tgt Ion: 75 Resp: 88900
Ion Ratio Lower Upper
75 100
53 0.5 72.5 108.7#
89 0.1 37.0 55.4#

