

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007965.D
 Acq On : 21 Mar 2022 19:19
 Operator : SY/MD
 Sample : N2001-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D-14A

Quant Time: Mar 22 03:41:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

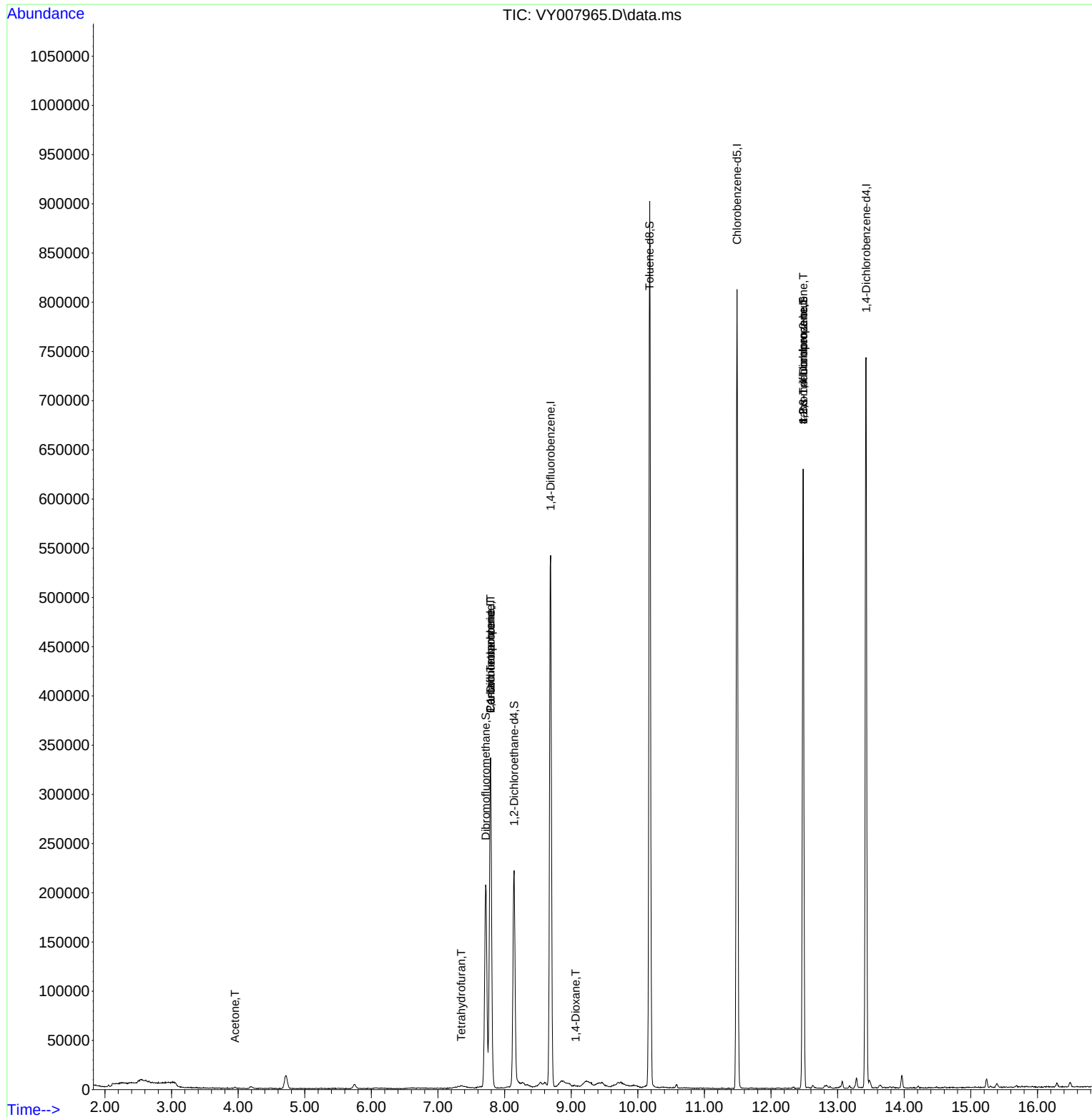
Internal Standards						
1) Pentafluorobenzene	7.789	168	243173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	466819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	432634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	182977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	165285	59.613	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.220%	
35) Dibromofluoromethane	7.716	113	146899	44.808	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.620%	
50) Toluene-d8	10.179	98	579154	59.633	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 119.260%	
62) 4-Bromofluorobenzene	12.483	95	202080	42.948	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	1060	Below Cal	#	71
4) Vinyl Chloride	2.253	62	109	Below Cal	#	43
5) Bromomethane	2.662	94	400	Below Cal	#	68
16) Acetone	3.954	43	2018	2.744	ug/l #	89
17) Carbon Disulfide	4.198	76	3152	Below Cal	#	94
18) Methyl Acetate	4.479	43	539	Below Cal	#	56
20) Methylene Chloride	4.716	84	10145	Below Cal	#	83
29) Tetrahydrofuran	7.350	42	834	1.105	ug/l #	80
31) Cyclohexane	7.783	56	5934	Below Cal	#	6
36) 1,1-Dichloropropene	7.789	75	21734	4.470	ug/l #	50
38) Carbon Tetrachloride	7.789	117	25895	4.984	ug/l #	15
49) 1,4-Dioxane	9.069	88	43	1.411	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	107613	41.262	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	107613	86.667	ug/l #	7

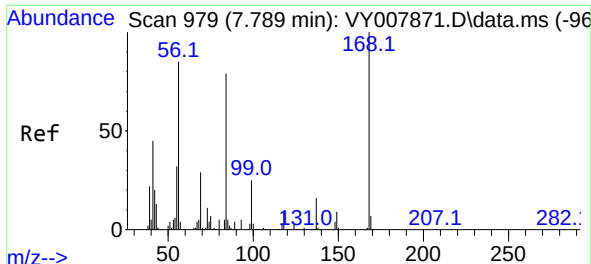
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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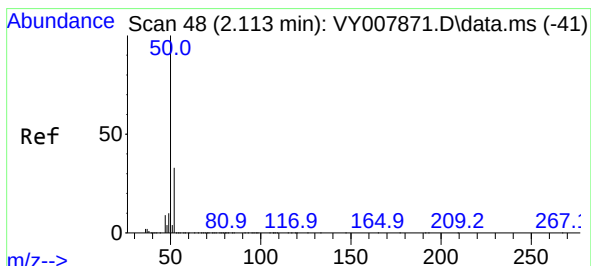
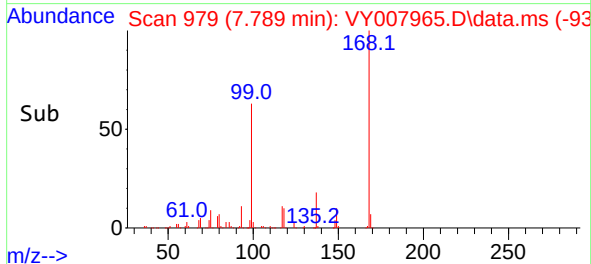
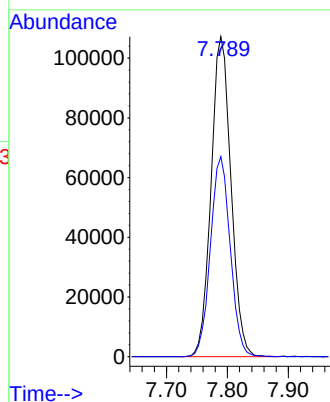
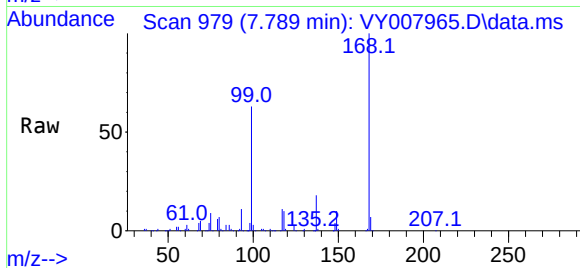




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007965.D
Acq: 21 Mar 2022 19:19

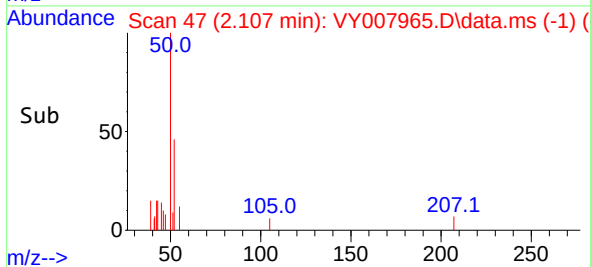
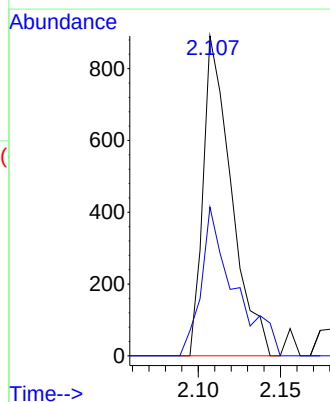
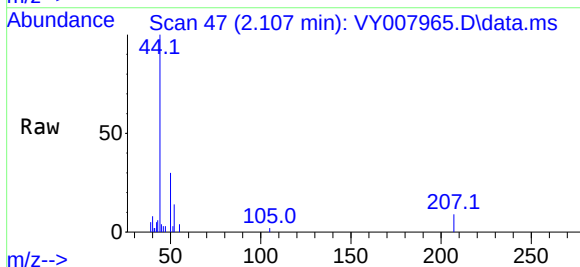
Instrument :
MSVOA_Y
ClientSampleId :
D-14A

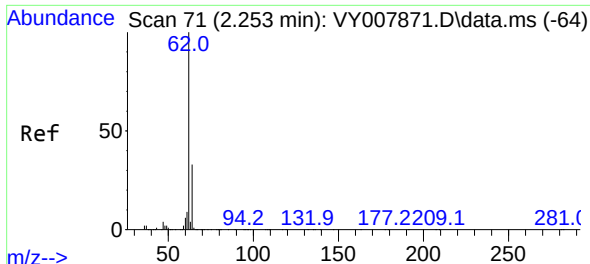
Tgt Ion:168 Resp: 243173
Ion Ratio Lower Upper
168 100
99 62.5 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY007965.D
Acq: 21 Mar 2022 19:19

Tgt Ion: 50 Resp: 1060
Ion Ratio Lower Upper
50 100
52 46.5 24.6 37.0#

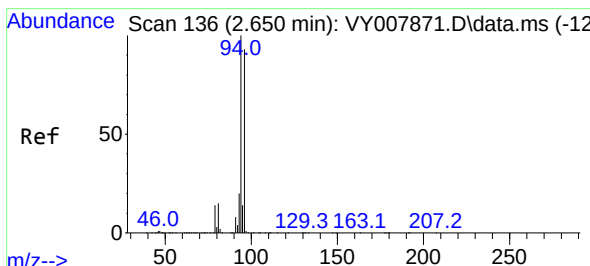
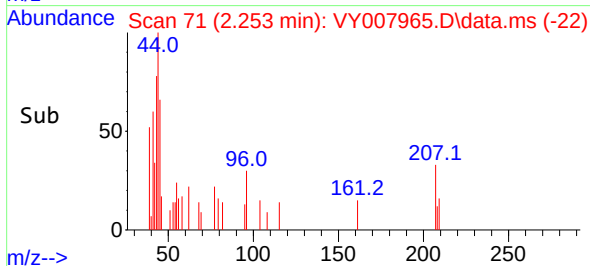
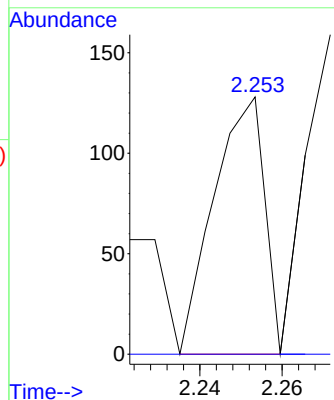
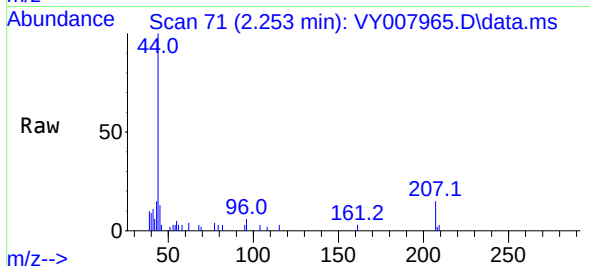




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.253 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VY007965.D
 Acq: 21 Mar 2022 19:19

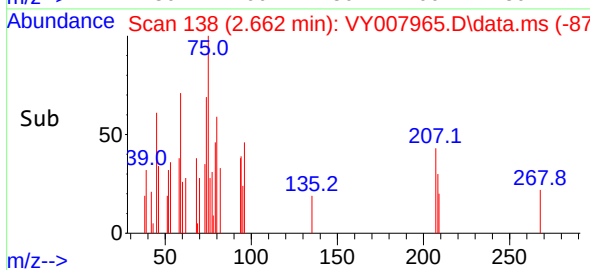
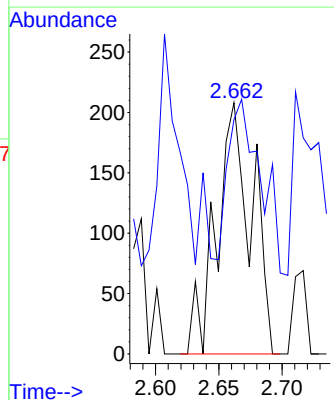
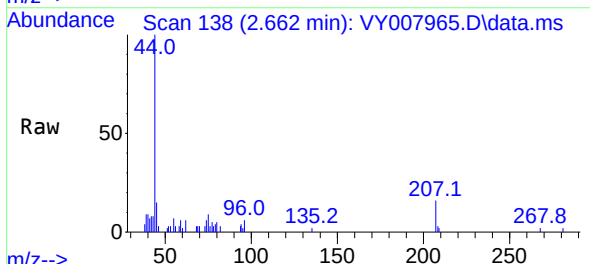
Instrument :
 MSVOA_Y
 ClientSampleId :
 D-14A

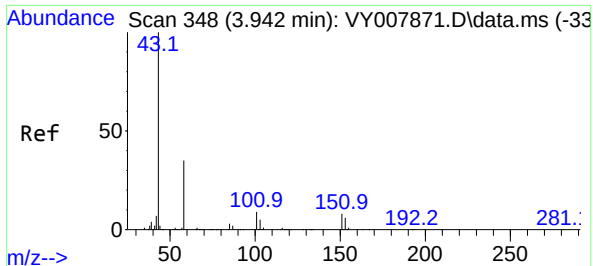
Tgt Ion: 62 Resp: 109
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.012 min
 Lab File: VY007965.D
 Acq: 21 Mar 2022 19:19

Tgt Ion: 94 Resp: 400
 Ion Ratio Lower Upper
 94 100
 96 61.1 73.5 110.3#





#16

Acetone

Concen: 2.744 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY007965.D

Acq: 21 Mar 2022 19:19

Instrument :

MSVOA_Y

ClientSampleId :

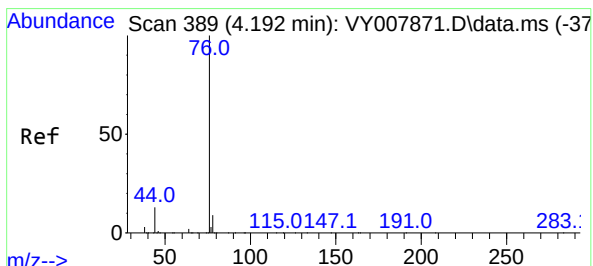
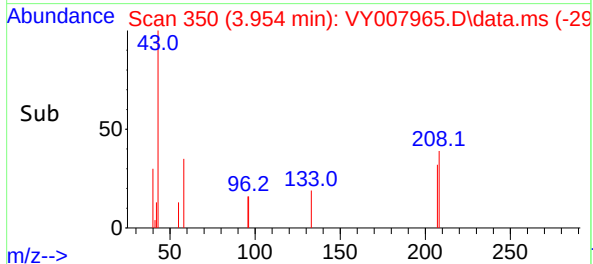
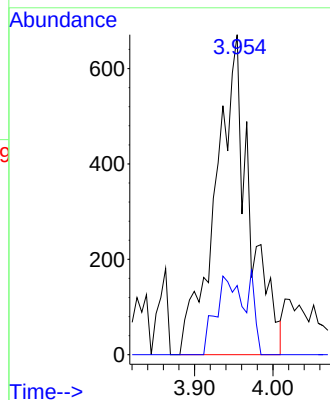
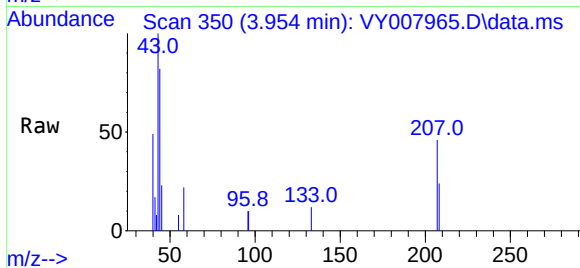
D-14A

Tgt Ion: 43 Resp: 2018

Ion Ratio Lower Upper

43 100

58 21.6 22.0 33.0#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.198 min Scan# 390

Delta R.T. 0.006 min

Lab File: VY007965.D

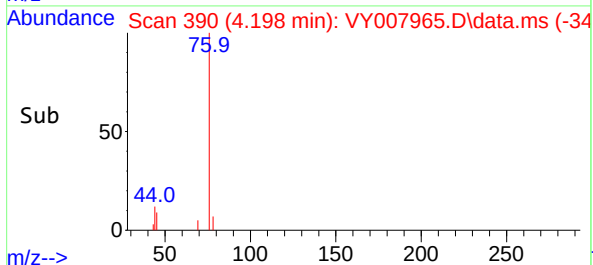
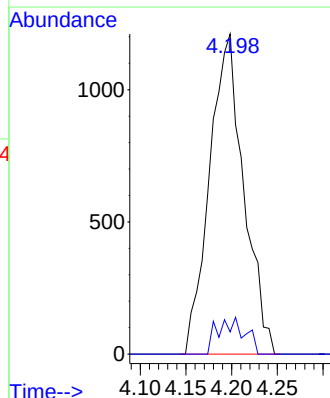
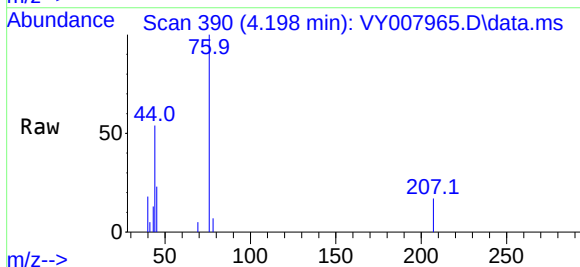
Acq: 21 Mar 2022 19:19

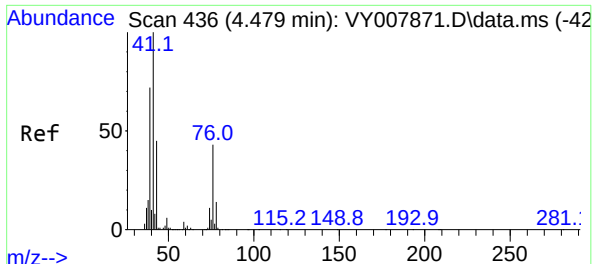
Tgt Ion: 76 Resp: 3152

Ion Ratio Lower Upper

76 100

78 6.9 7.4 11.0#

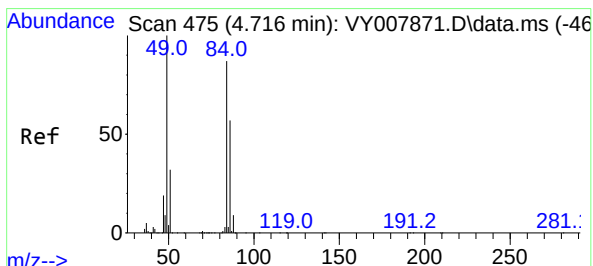
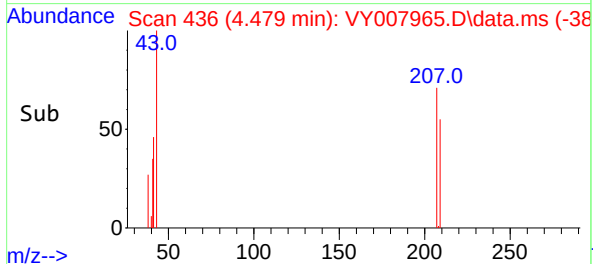
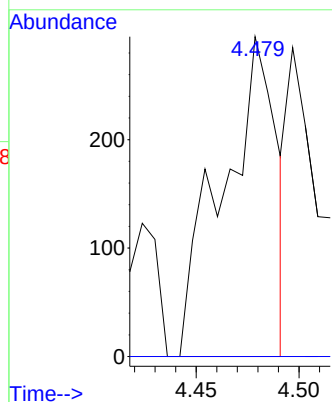
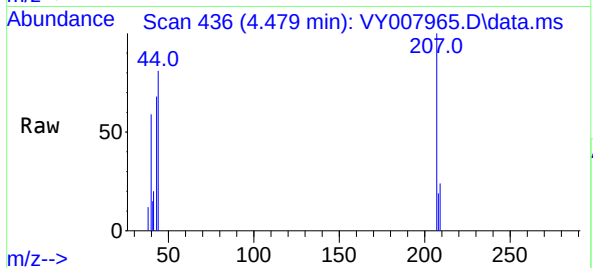




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 418
Delta R.T. 0.006 min
Lab File: VY007965.D
Acq: 21 Mar 2022 19:19

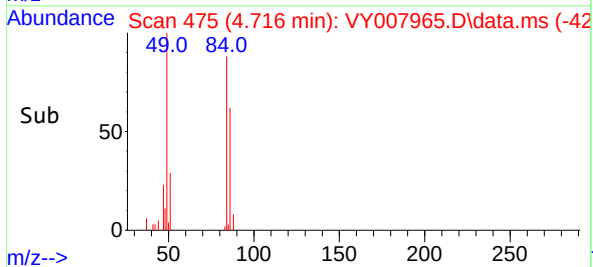
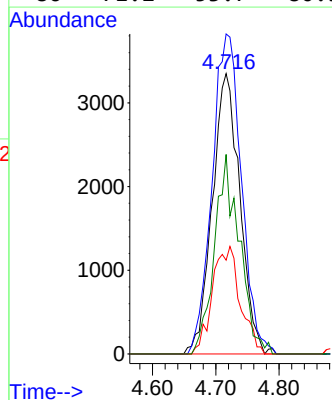
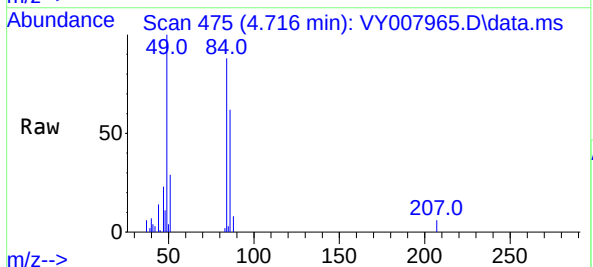
Instrument :
MSVOA_Y
ClientSampleId :
D-14A

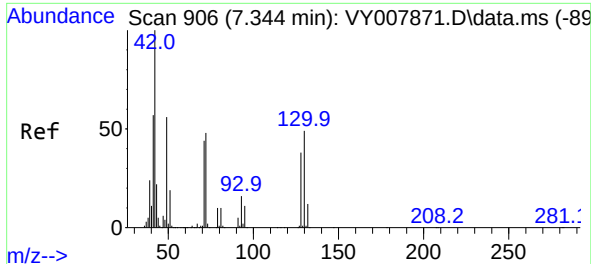
Tgt Ion: 43 Resp: 539
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY007965.D
Acq: 21 Mar 2022 19:19

Tgt Ion: 84 Resp: 10145
Ion Ratio Lower Upper
84 100
49 114.2 114.4 171.6#
51 33.4 35.3 52.9#
86 71.2 53.7 80.5





#29

Tetrahydrofuran

Concen: 1.105 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY007965.D

Acq: 21 Mar 2022 19:19

Instrument :

MSVOA_Y

ClientSampleId :

D-14A

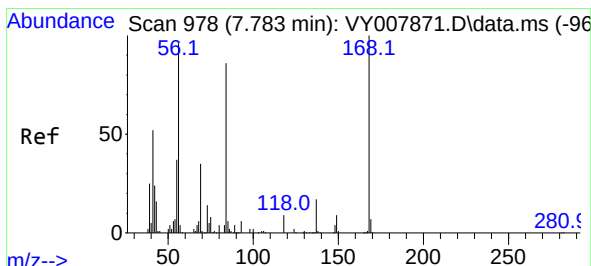
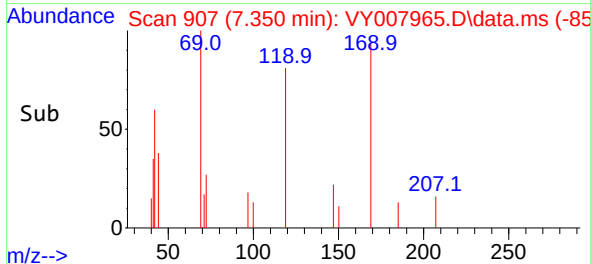
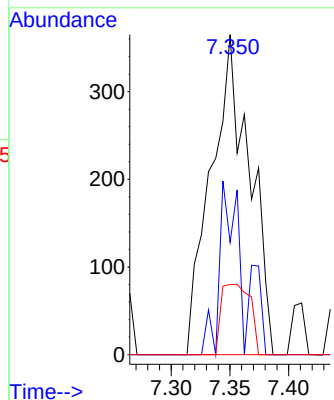
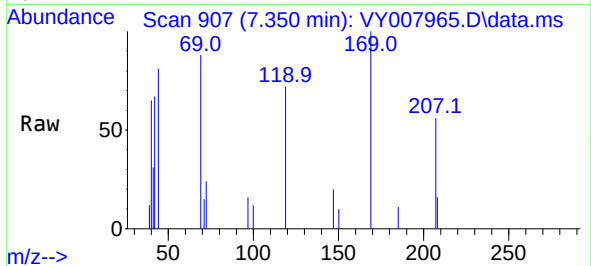
Tgt Ion: 42 Resp: 834

Ion Ratio Lower Upper

42 100

72 33.7 30.3 45.5

71 16.4 29.0 43.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY007965.D

Acq: 21 Mar 2022 19:19

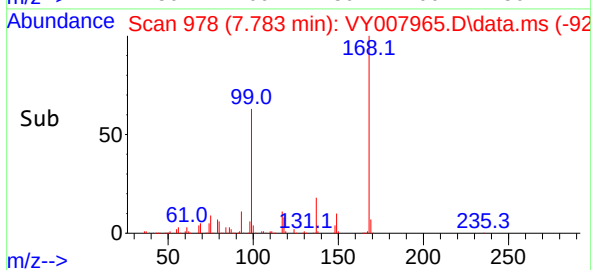
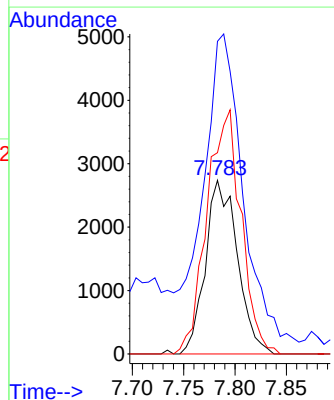
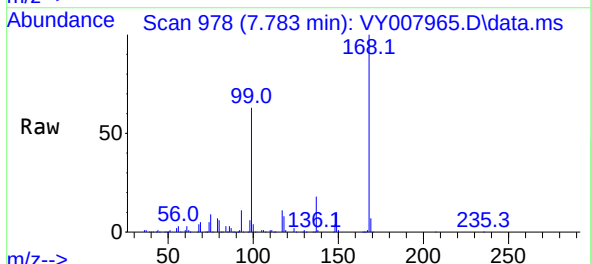
Tgt Ion: 56 Resp: 5934

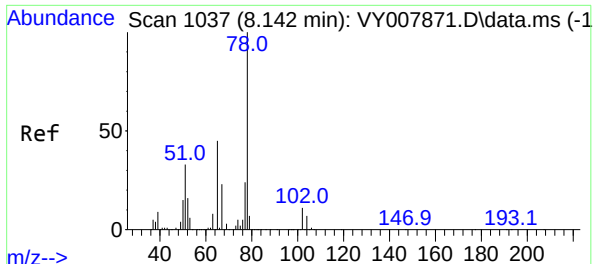
Ion Ratio Lower Upper

56 100

69 170.0 26.7 40.1#

84 115.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 59.613 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY007965.D

Acq: 21 Mar 2022 19:19

Instrument :

MSVOA_Y

ClientSampleId :

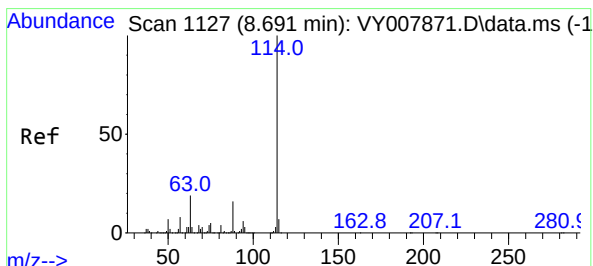
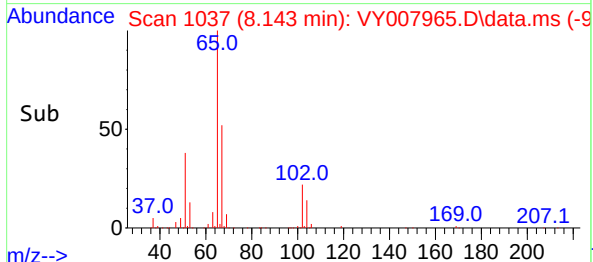
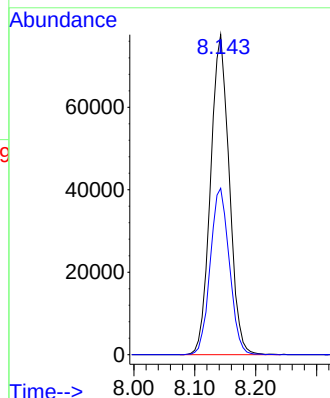
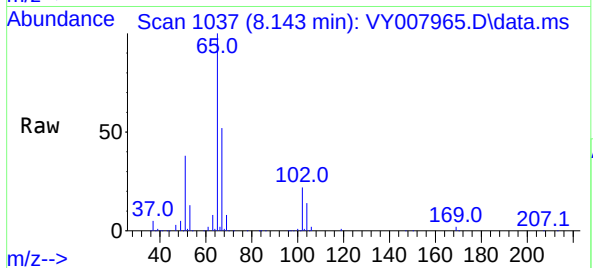
D-14A

Tgt Ion: 65 Resp: 165285

Ion Ratio Lower Upper

65 100

67 53.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007965.D

Acq: 21 Mar 2022 19:19

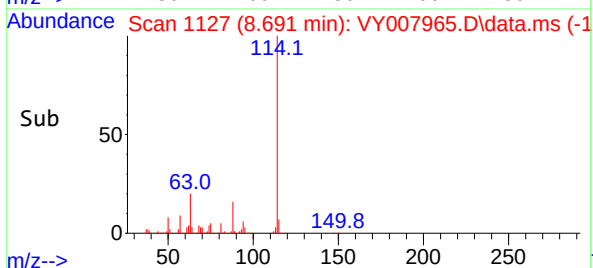
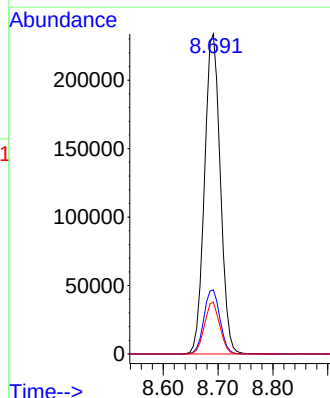
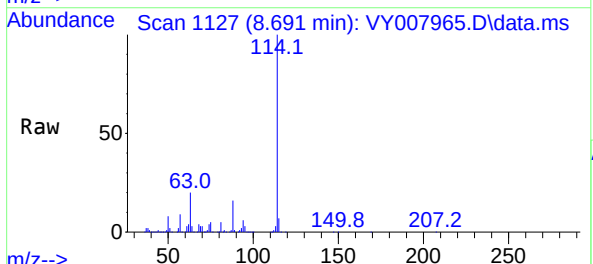
Tgt Ion:114 Resp: 466819

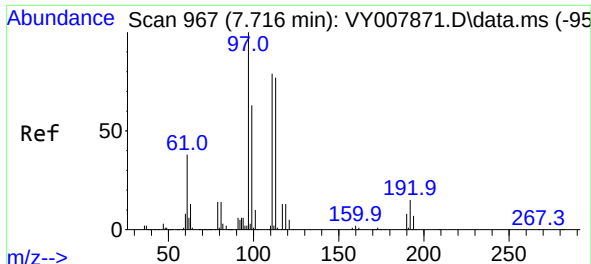
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 16.2 0.0 31.8

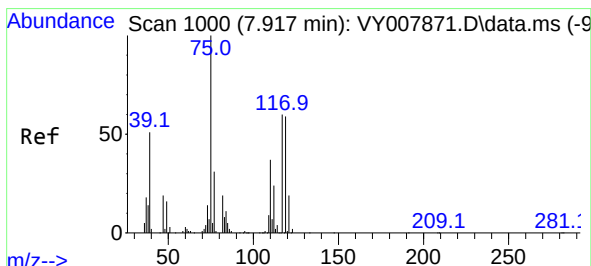
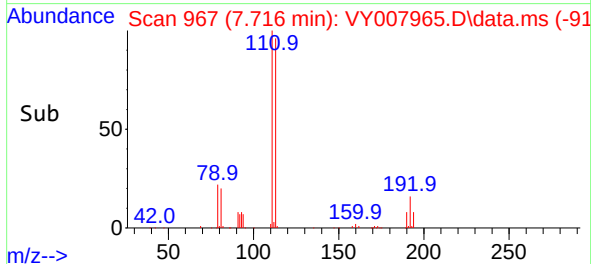
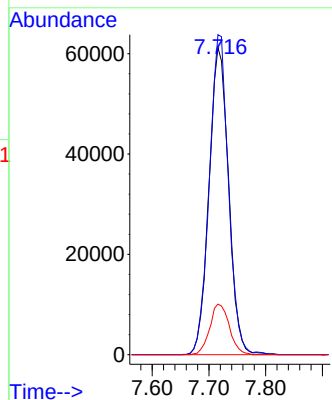
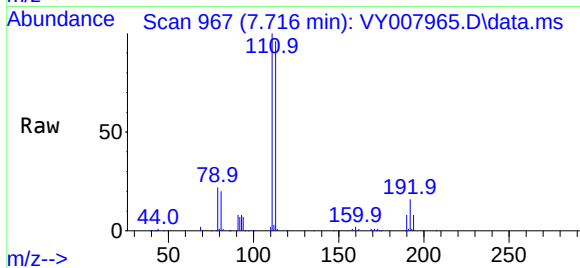




#35
Dibromofluoromethane
Concen: 44.808 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY007965.D
Acq: 21 Mar 2022 19:19

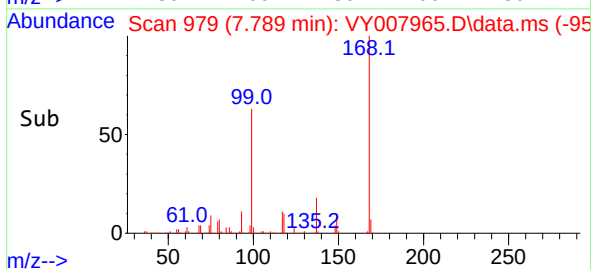
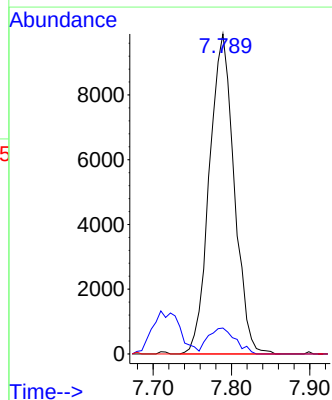
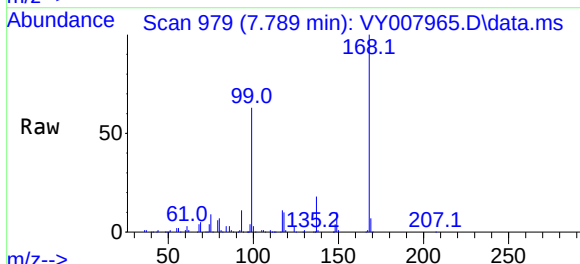
Instrument :
MSVOA_Y
ClientSampleId :
D-14A

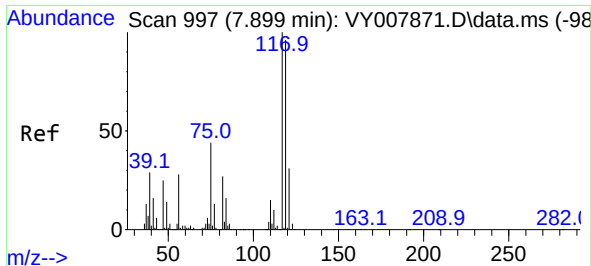
Tgt Ion:113 Resp: 146899
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 16.5 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.470 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007965.D
Acq: 21 Mar 2022 19:19

Tgt Ion: 75 Resp: 21734
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#

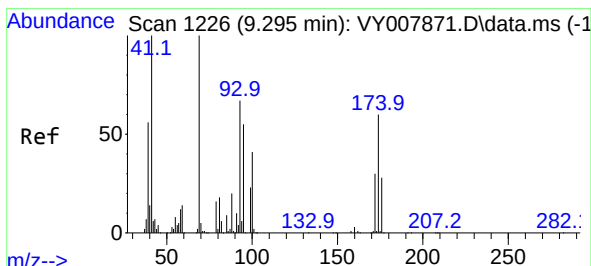
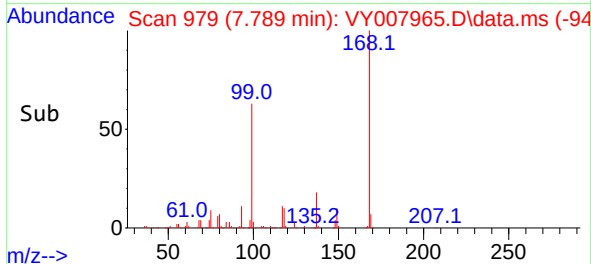
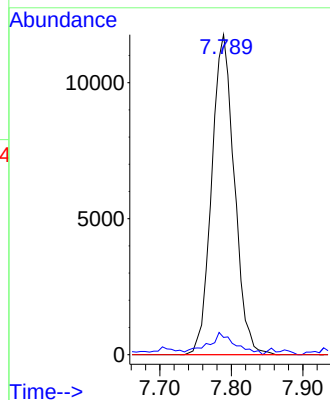
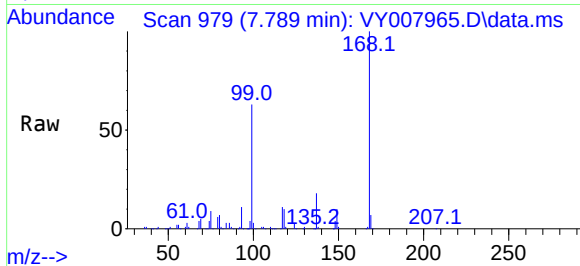




#38
Carbon Tetrachloride
Concen: 4.984 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007965.D
Acq: 21 Mar 2022 19:19

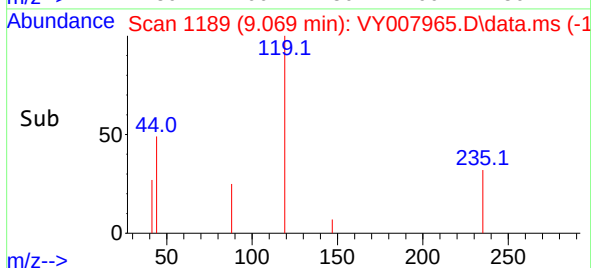
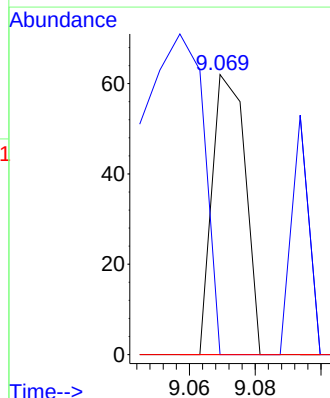
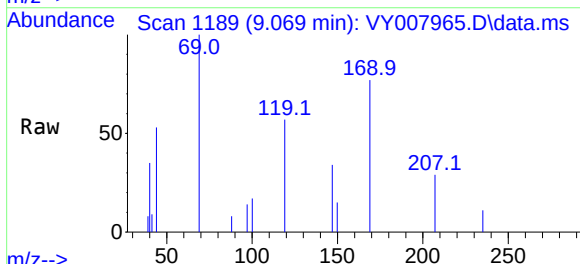
Instrument :
MSVOA_Y
ClientSampleId :
D-14A

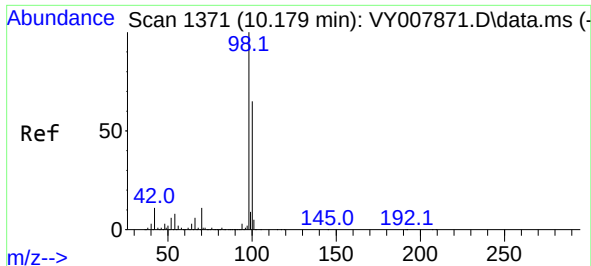
Tgt Ion:117 Resp: 25895
Ion Ratio Lower Upper
117 100
119 4.4 77.9 116.9#
121 0.0 24.8 37.2#



#49
1,4-Dioxane
Concen: 1.411 ug/l
RT: 9.069 min Scan# 1189
Delta R.T. -0.226 min
Lab File: VY007965.D
Acq: 21 Mar 2022 19:19

Tgt Ion: 88 Resp: 43
Ion Ratio Lower Upper
88 100
43 167.4 32.8 49.2#
58 0.0 59.8 89.6#

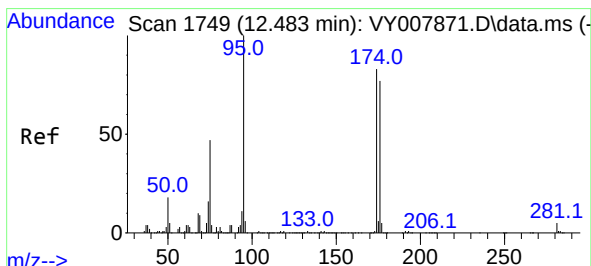
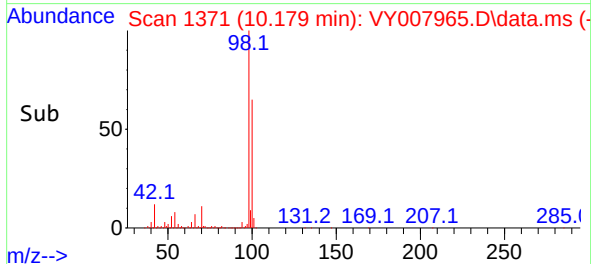
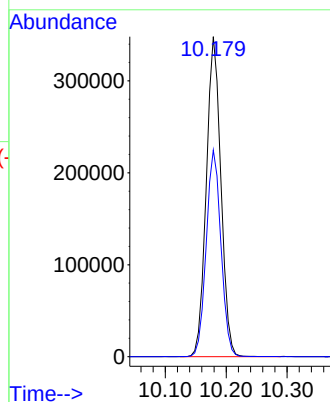
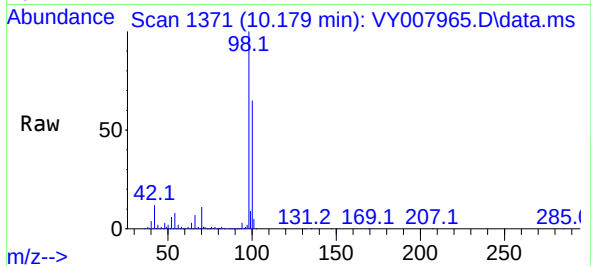




#50
Toluene-d8
Concen: 59.633 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007965.D
Acq: 21 Mar 2022 19:19

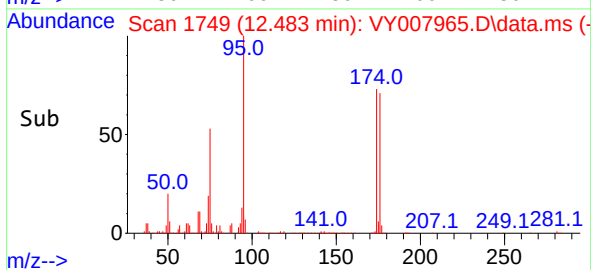
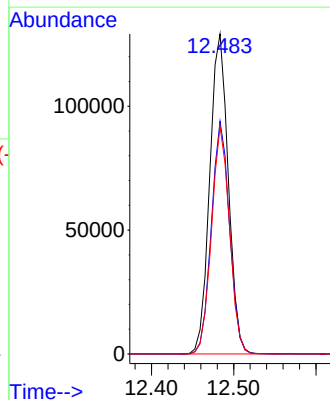
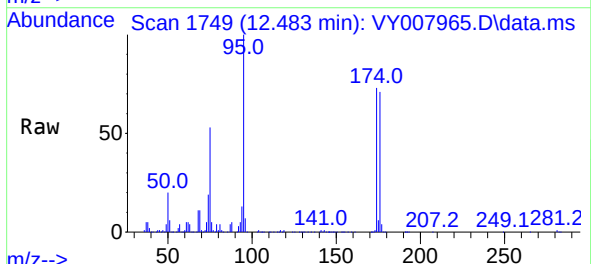
Instrument :
MSVOA_Y
ClientSampleId :
D-14A

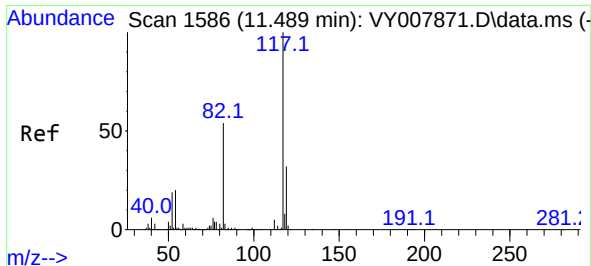
Tgt Ion: 98 Resp: 579154
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 42.948 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007965.D
Acq: 21 Mar 2022 19:19

Tgt Ion: 95 Resp: 202080
Ion Ratio Lower Upper
95 100
174 71.3 0.0 177.0
176 68.9 0.0 175.8

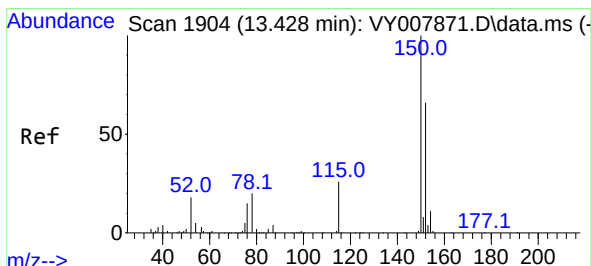
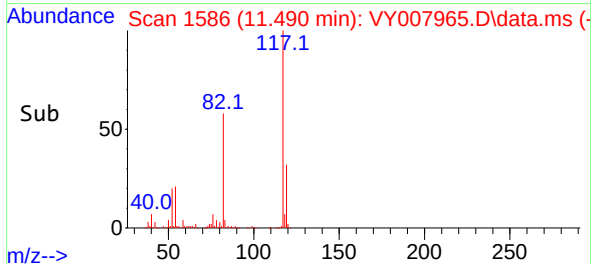
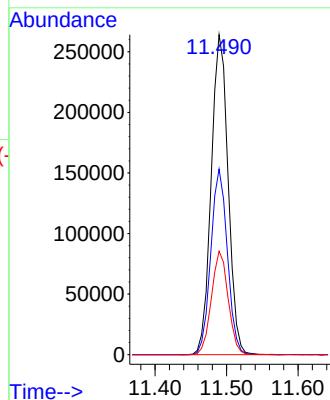
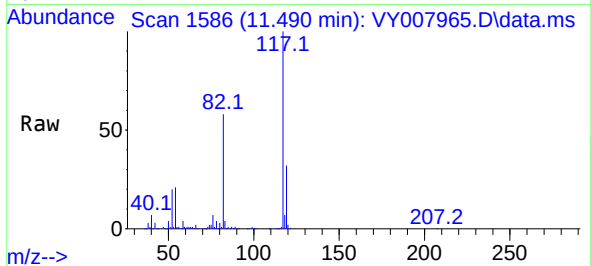




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY007965.D
Acq: 21 Mar 2022 19:19

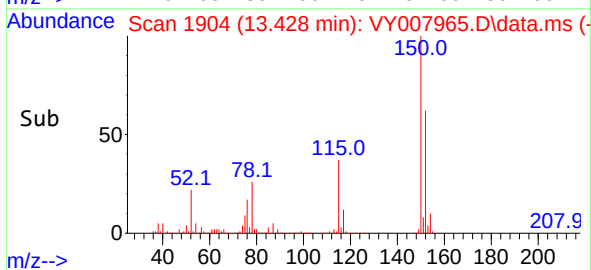
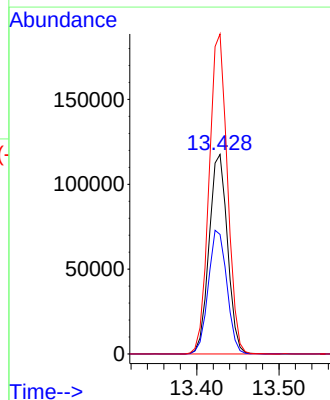
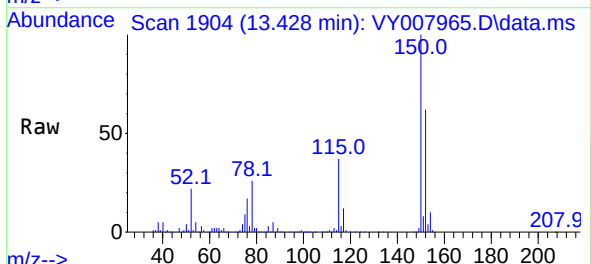
Instrument :
MSVOA_Y
ClientSampleId :
D-14A

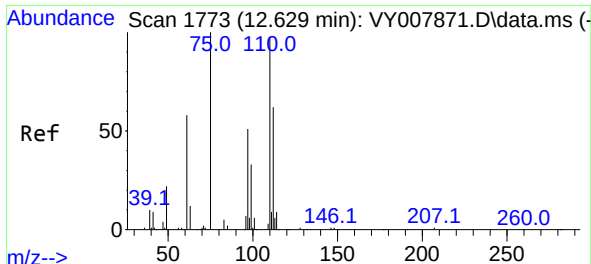
Tgt Ion:117 Resp: 432634
Ion Ratio Lower Upper
117 100
82 58.0 43.0 64.4
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007965.D
Acq: 21 Mar 2022 19:19

Tgt Ion:152 Resp: 182977
Ion Ratio Lower Upper
152 100
115 62.5 28.2 84.7
150 159.3 0.0 347.6

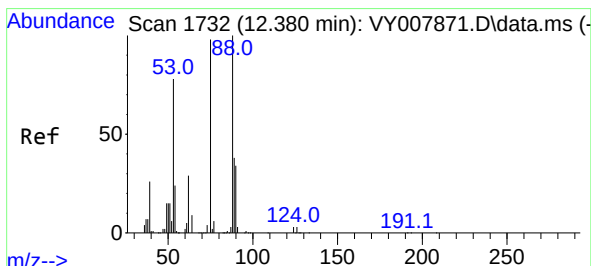
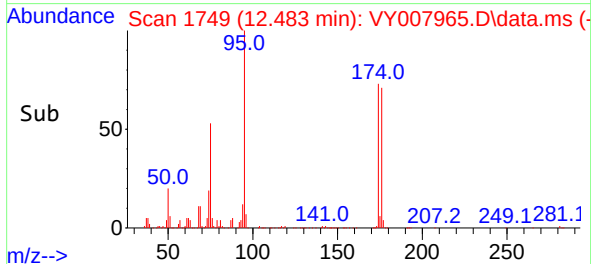
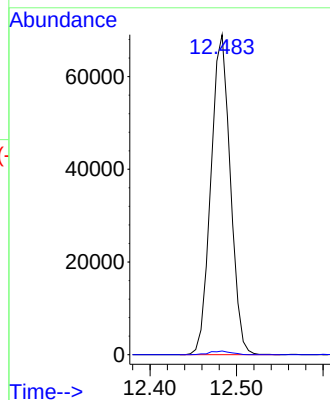
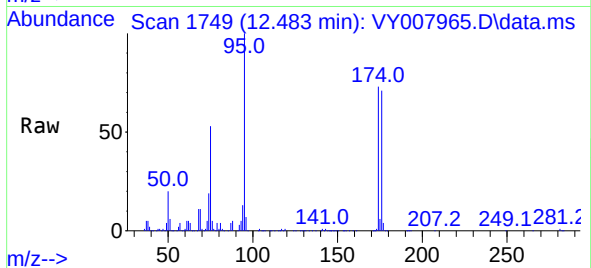




#76
1,2,3-Trichloropropane
Concen: 41.262 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007965.D
Acq: 21 Mar 2022 19:19

Instrument :
MSVOA_Y
ClientSampleId :
D-14A

Tgt Ion: 75 Resp: 107613
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.667 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007965.D
Acq: 21 Mar 2022 19:19

Tgt Ion: 75 Resp: 107613
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#

