

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007901.D
 Acq On : 18 Mar 2022 14:47
 Operator : SY/MD
 Sample : N1945-09
 Misc : 5.64g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 4PH-2-7.5-8

Quant Time: Mar 19 01:36:13 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)

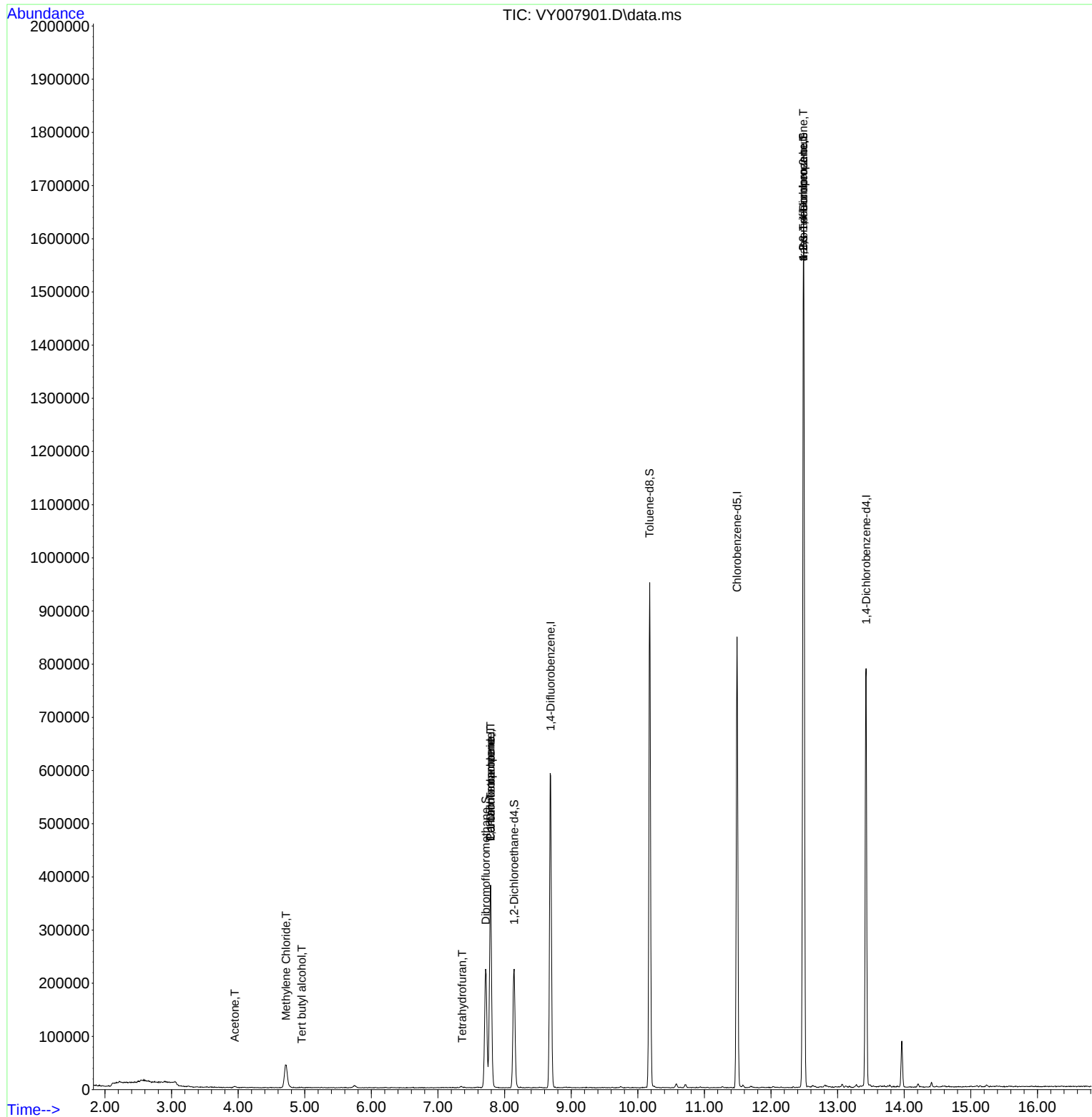
Internal Standards						
1) Pentafluorobenzene	7.789	168	285828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	517753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	468530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	202049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	172908	53.056	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.120%	
35) Dibromofluoromethane	7.716	113	163313	44.914	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.820%	
50) Toluene-d8	10.179	98	619163	57.249	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 114.500%	
62) 4-Bromofluorobenzene	12.483	95	213970	41.002	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	179	Below Cal	#	43
3) Chloromethane	2.107	50	1541	Below Cal		91
4) Vinyl Chloride	2.235	62	252	Below Cal	#	43
5) Bromomethane	2.668	94	561	Below Cal		83
11) Tert butyl alcohol	4.954	59	782	2.060	ug/l #	69
16) Acetone	3.948	43	3507	4.056	ug/l #	63
17) Carbon Disulfide	4.174	76	52	Below Cal	#	75
18) Methyl Acetate	4.466	43	248	Below Cal	#	72
20) Methylene Chloride	4.716	84	33694	5.978	ug/l #	78
29) Tetrahydrofuran	7.362	42	1358	1.530	ug/l #	76
31) Cyclohexane	7.783	56	6060	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	23245	4.310	ug/l #	51
38) Carbon Tetrachloride	7.789	117	29503	5.119	ug/l #	15
39) Methylcyclohexane	9.045	83	21	Below Cal	#	22
76) 1,2,3-Trichloropropane	12.483	75	120066	41.691	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	120066	87.569	ug/l #	9

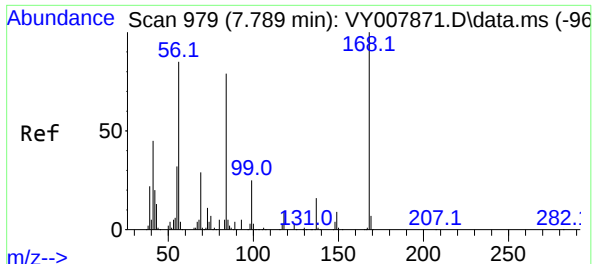
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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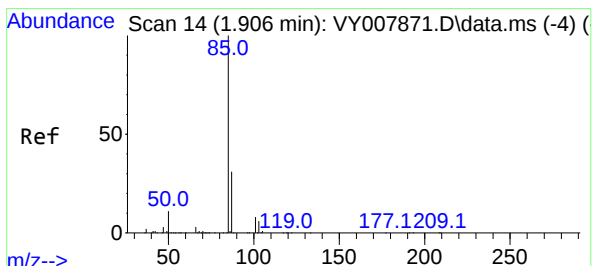
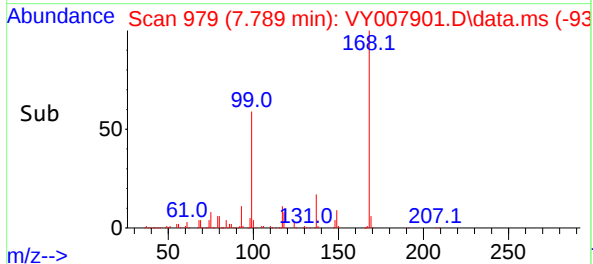
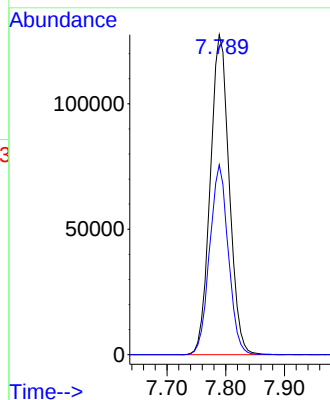
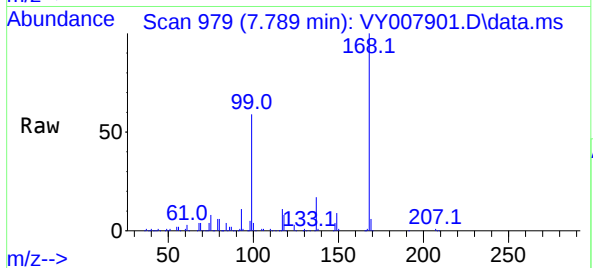




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

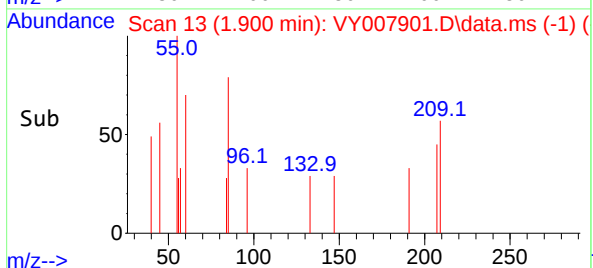
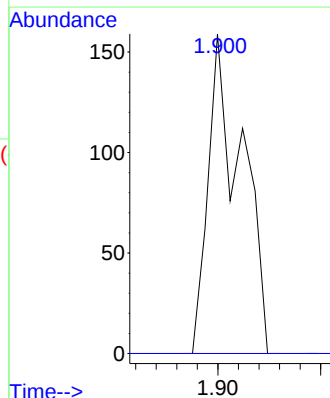
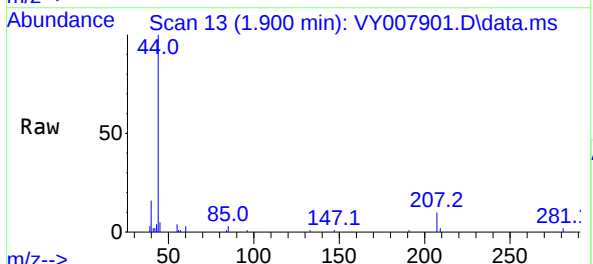
Instrument :
MSVOA_Y
ClientSampleId :
4PH-2-7.5-8

Tgt Ion:168 Resp: 285828
Ion Ratio Lower Upper
168 100
99 59.3 46.9 70.3

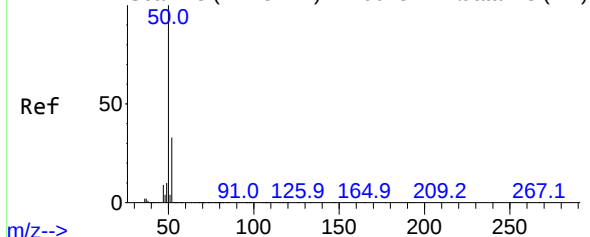


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

Tgt Ion: 85 Resp: 179
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



Abundance Scan 48 (2.113 min): VY007871.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY007901.D

Acq: 18 Mar 2022 14:47

Instrument :

MSVOA_Y

ClientSampleId :

4PH-2-7.5-8

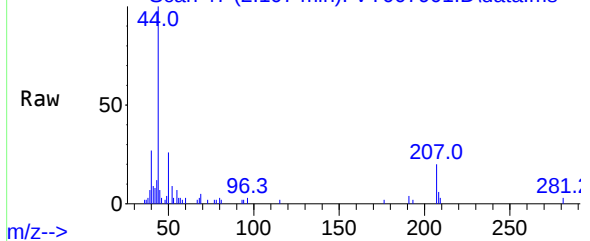
Tgt Ion: 50 Resp: 1541

Ion Ratio Lower Upper

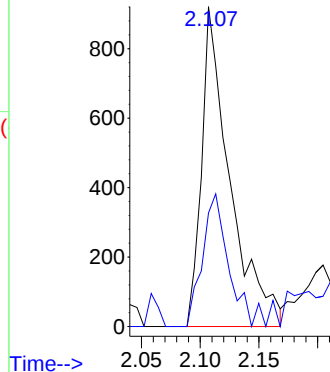
50 100

52 35.5 24.6 37.0

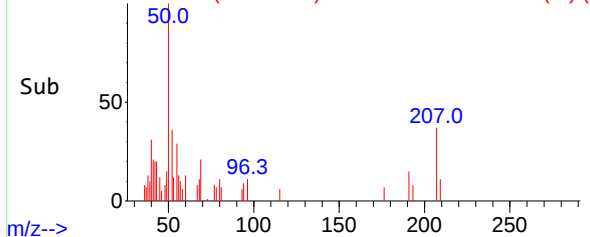
Abundance Scan 47 (2.107 min): VY007901.D\data.ms



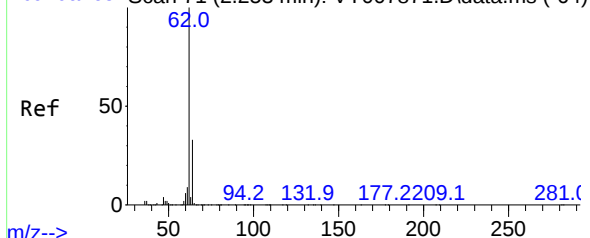
Abundance



Abundance Scan 47 (2.107 min): VY007901.D\data.ms (-1)



Abundance Scan 71 (2.253 min): VY007871.D\data.ms (-64)



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.235 min Scan# 68

Delta R.T. -0.018 min

Lab File: VY007901.D

Acq: 18 Mar 2022 14:47

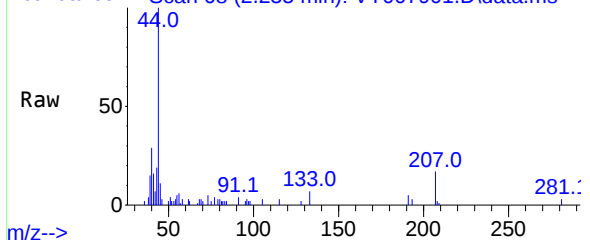
Tgt Ion: 62 Resp: 252

Ion Ratio Lower Upper

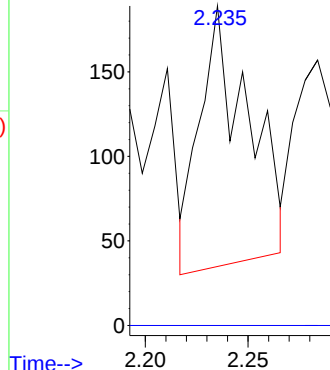
62 100

64 0.0 25.0 37.6#

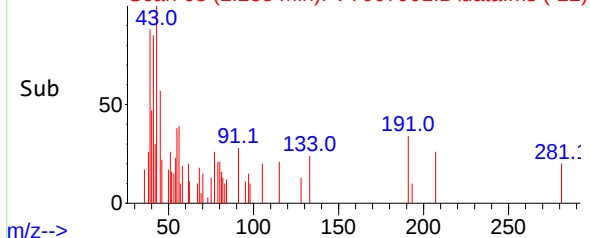
Abundance Scan 68 (2.235 min): VY007901.D\data.ms

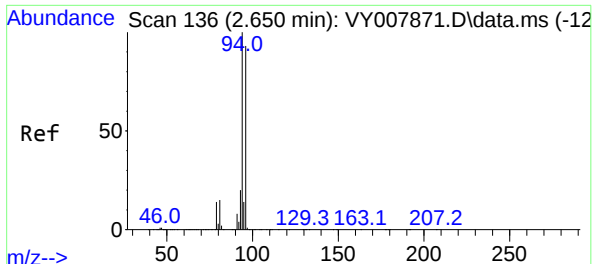


Abundance



Abundance Scan 68 (2.235 min): VY007901.D\data.ms (-22)

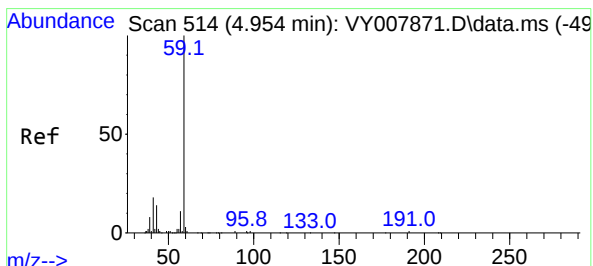
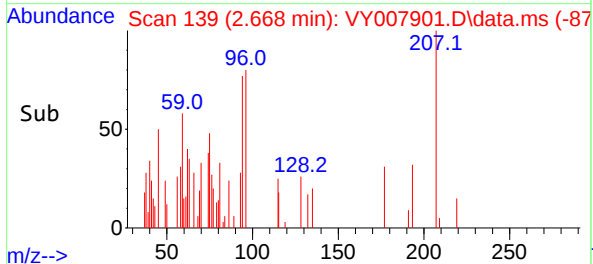
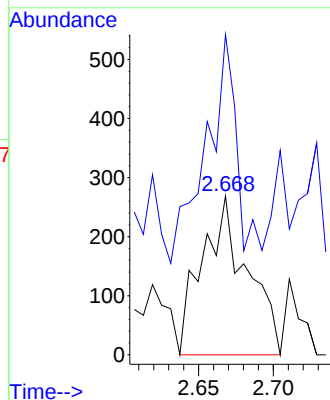
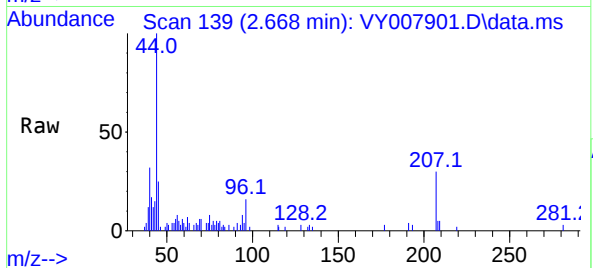




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

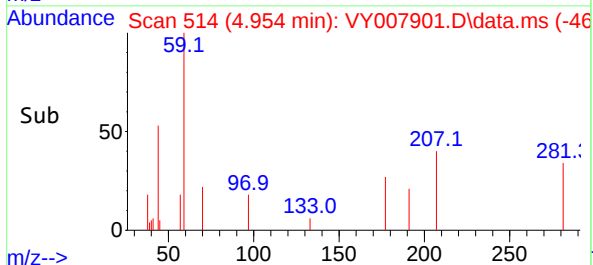
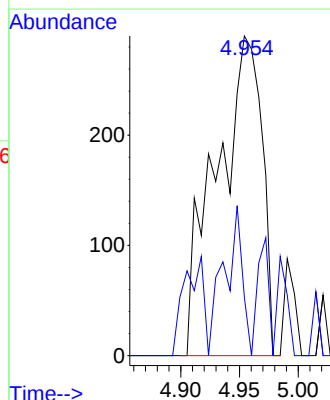
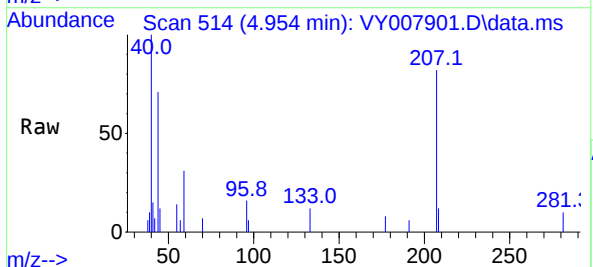
Instrument :
MSVOA_Y
ClientSampleId :
4PH-2-7.5-8

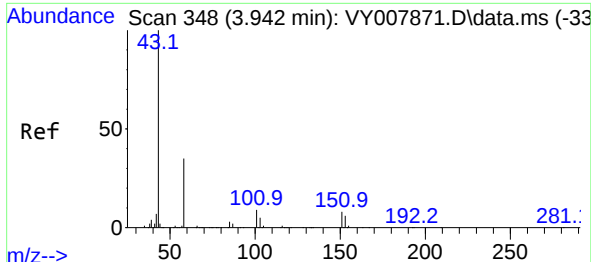
Tgt Ion: 94 Resp: 561
Ion Ratio Lower Upper
94 100
96 108.2 73.5 110.3



#11
Tert butyl alcohol
Concen: 2.060 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.000 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

Tgt Ion: 59 Resp: 782
Ion Ratio Lower Upper
59 100
57 18.9 6.4 9.6#





#16

Acetone

Concen: 4.056 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY007901.D

Acq: 18 Mar 2022 14:47

Instrument :

MSVOA_Y

ClientSampleId :

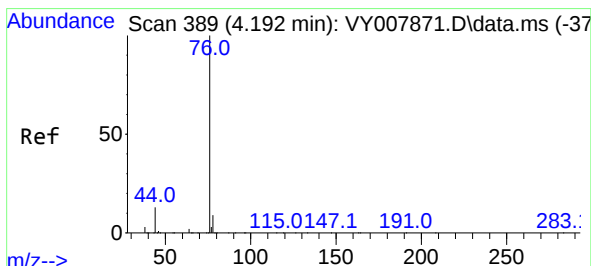
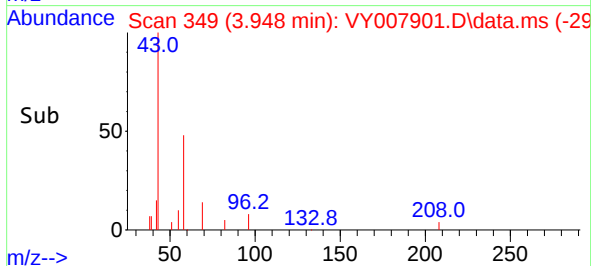
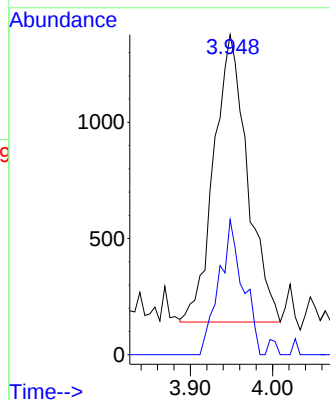
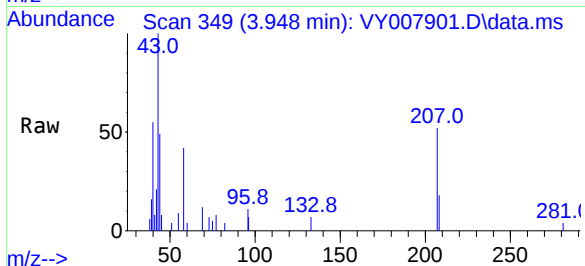
4PH-2-7.5-8

Tgt Ion: 43 Resp: 3507

Ion Ratio Lower Upper

43 100

58 47.0 22.0 33.0#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.174 min Scan# 386

Delta R.T. -0.018 min

Lab File: VY007901.D

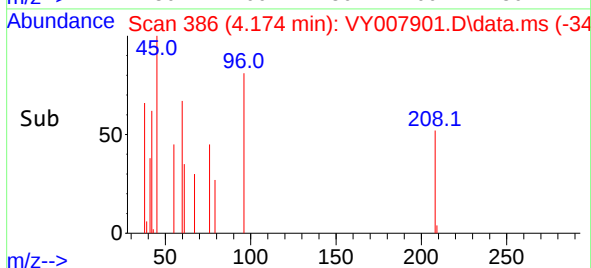
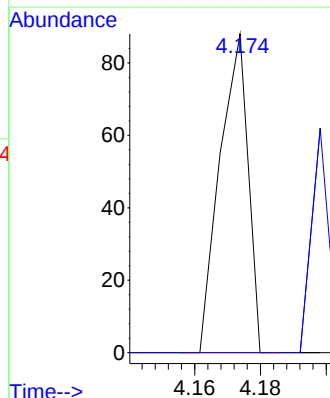
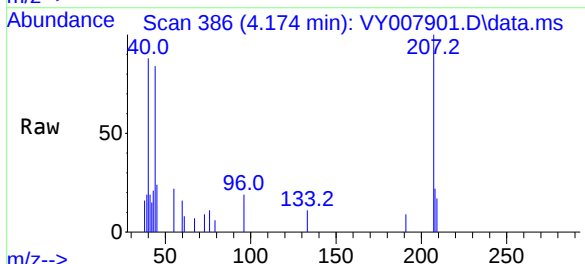
Acq: 18 Mar 2022 14:47

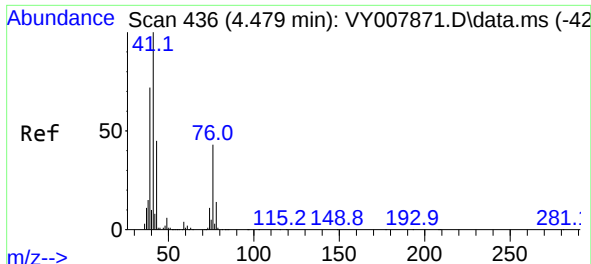
Tgt Ion: 76 Resp: 52

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

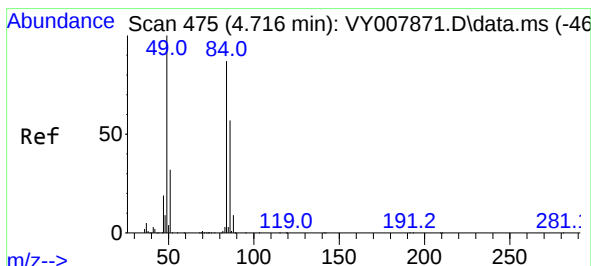
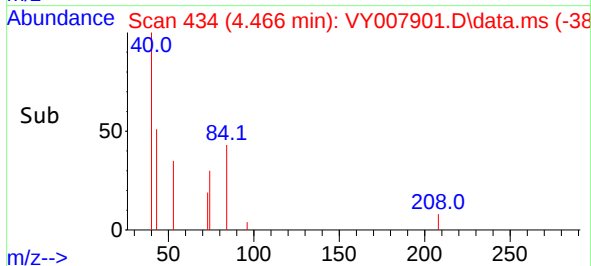
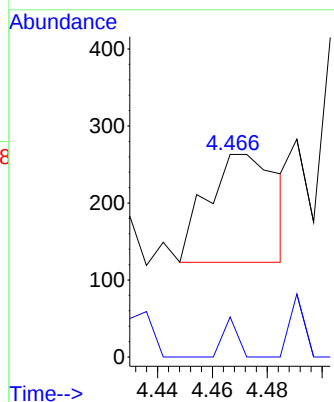
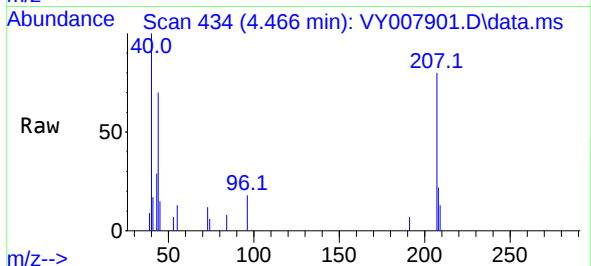




#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

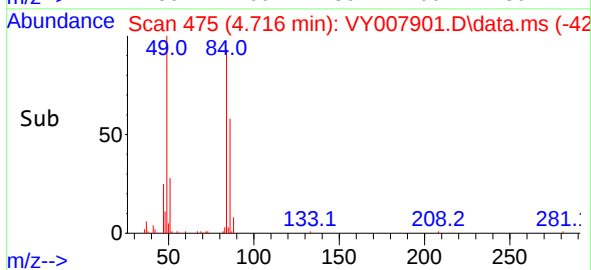
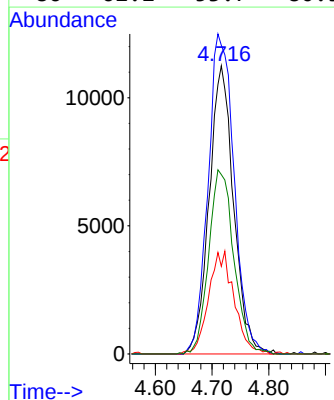
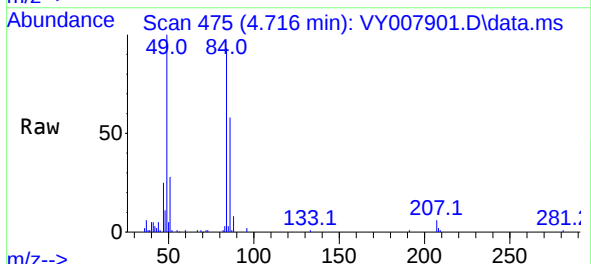
Instrument :
MSVOA_Y
ClientSampleId :
4PH-2-7.5-8

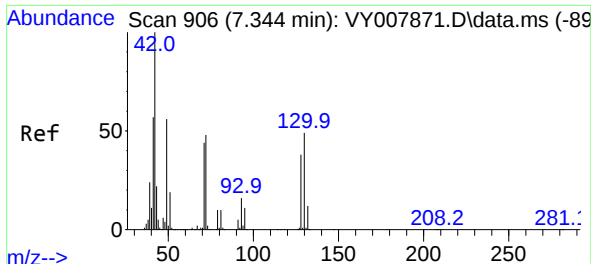
Tgt Ion: 43 Resp: 248
Ion Ratio Lower Upper
43 100
74 7.7 16.6 24.8#



#20
Methylene Chloride
Concen: 5.978 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

Tgt Ion: 84 Resp: 33694
Ion Ratio Lower Upper
84 100
49 107.1 114.4 171.6#
51 30.4 35.3 52.9#
86 62.2 53.7 80.5

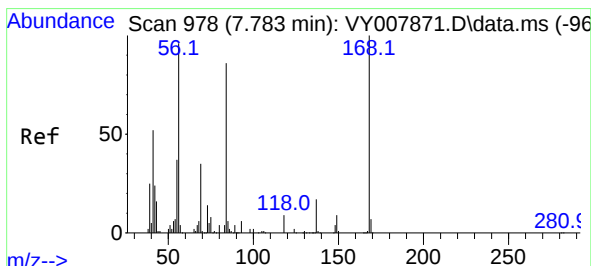
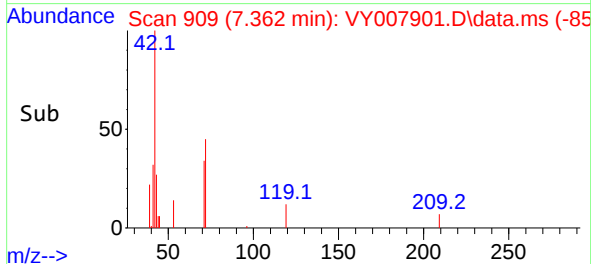
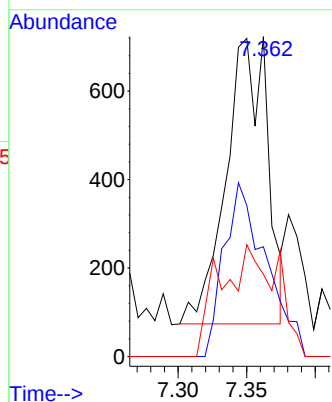
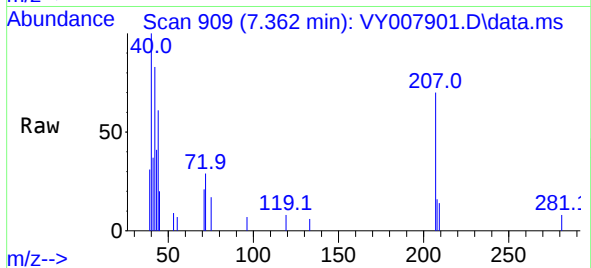




#29
Tetrahydrofuran
Concen: 1.530 ug/l
RT: 7.362 min Scan# 906
Delta R.T. 0.018 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

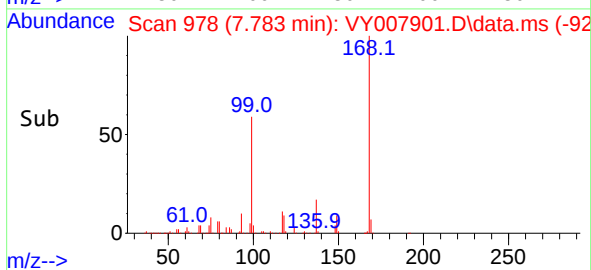
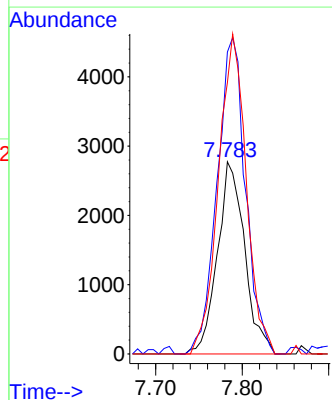
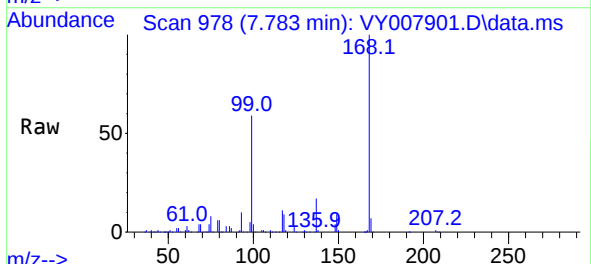
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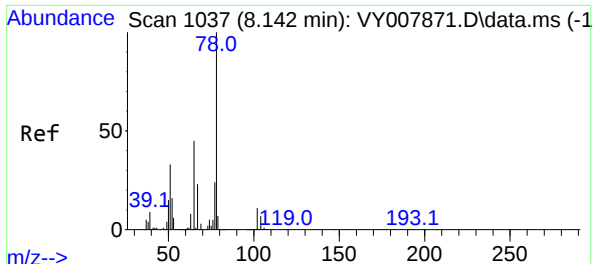
Tgt Ion: 42 Resp: 1358
Ion Ratio Lower Upper
42 100
72 61.7 30.3 45.5#
71 31.6 29.0 43.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

Tgt Ion: 56 Resp: 6060
Ion Ratio Lower Upper
56 100
69 157.2 26.7 40.1#
84 141.2 67.2 100.8#

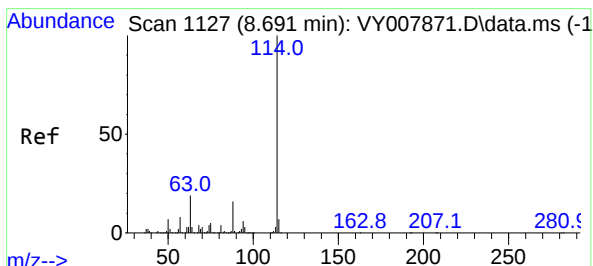
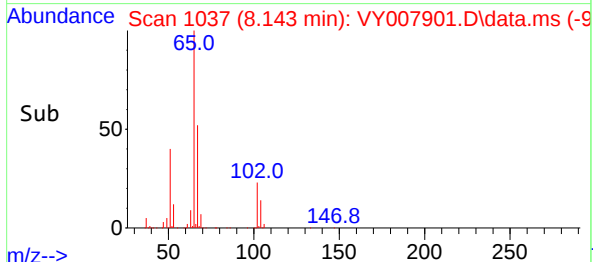
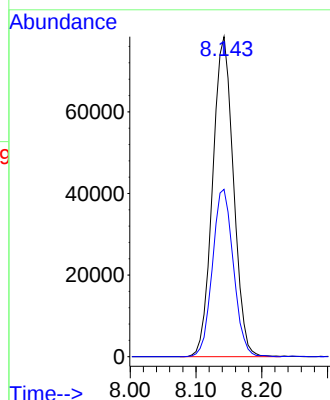
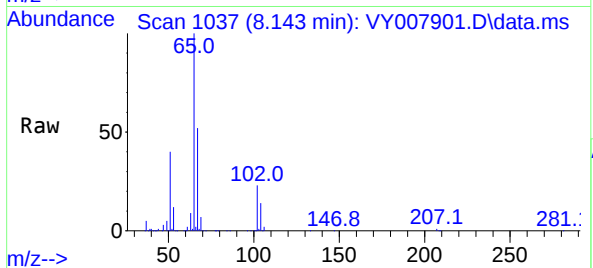




#33
1,2-Dichloroethane-d4
Concen: 53.056 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

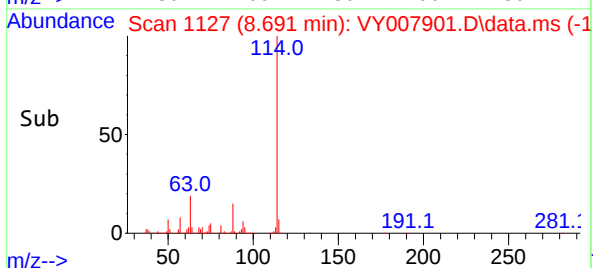
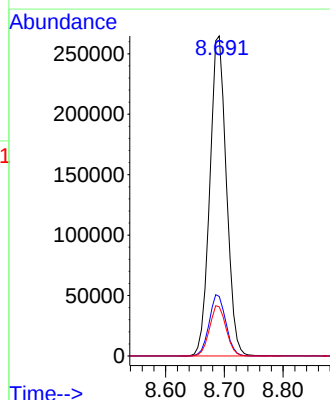
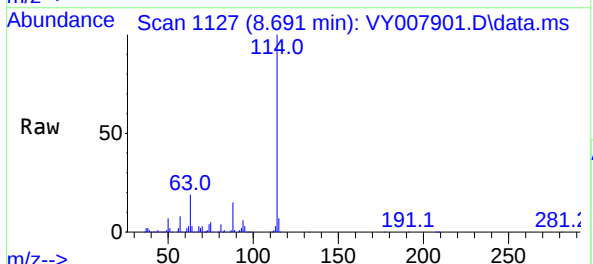
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4PH-2-7.5-8

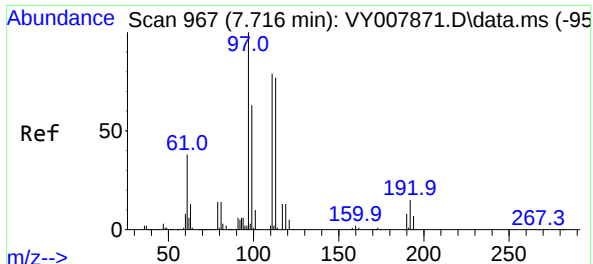
Tgt Ion: 65 Resp: 172908
Ion Ratio Lower Upper
65 100
67 52.6 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

Tgt Ion:114 Resp: 517753
Ion Ratio Lower Upper
114 100
63 18.6 0.0 43.2
88 15.3 0.0 31.8

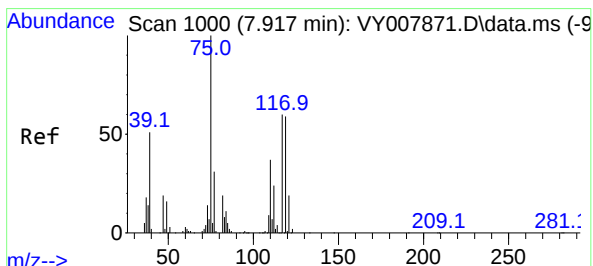
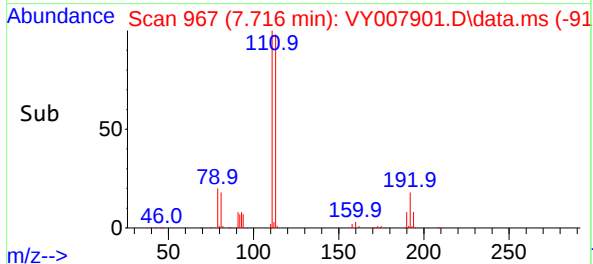
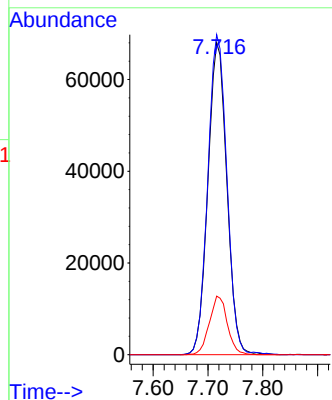
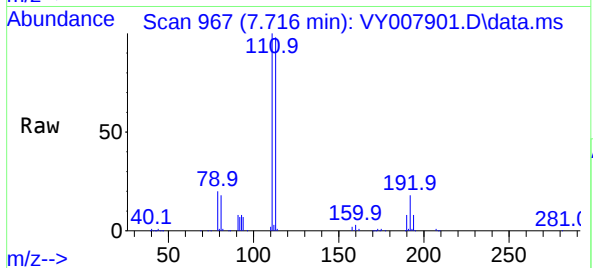




#35
Dibromofluoromethane
Concen: 44.914 ug/l
RT: 7.716 min Scan# 901
Delta R.T. -0.000 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

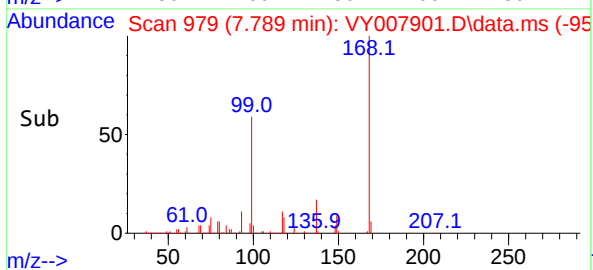
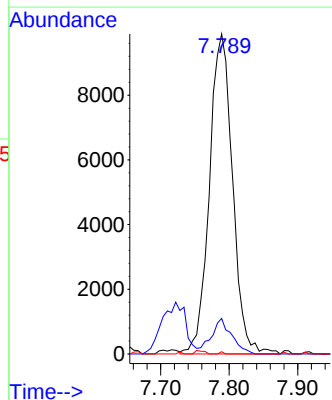
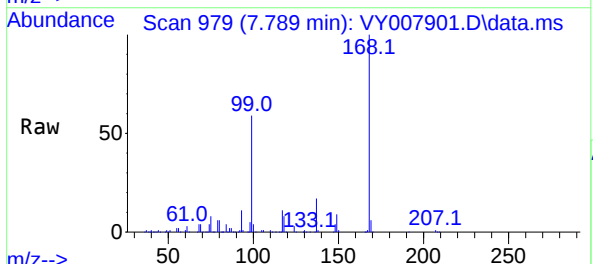
Instrument :
MSVOA_Y
ClientSampleId :
4PH-2-7.5-8

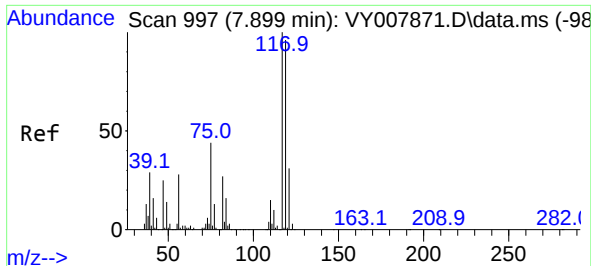
Tgt Ion:113 Resp: 163313
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 17.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.310 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

Tgt Ion: 75 Resp: 23245
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.2#
77 0.1 24.4 36.6#

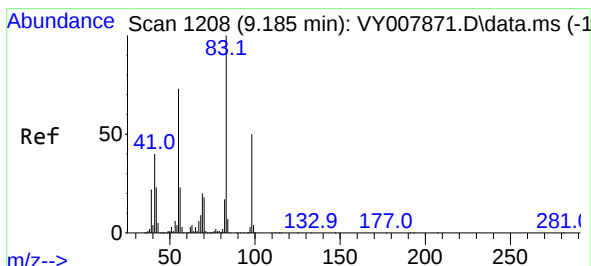
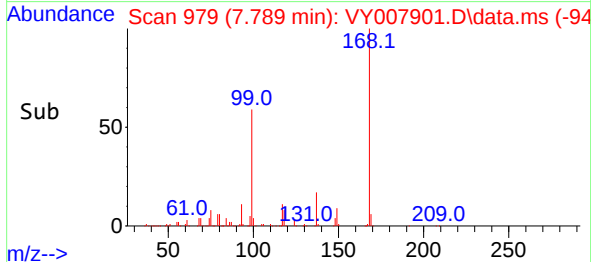
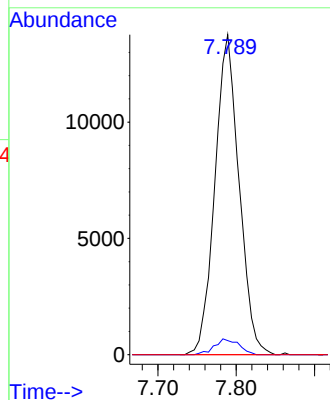
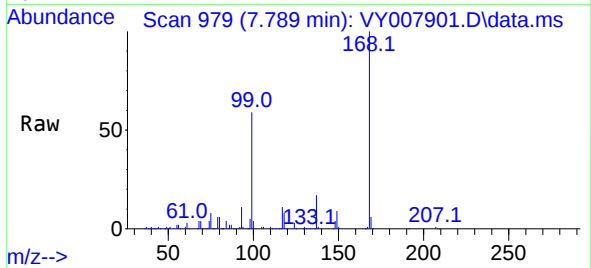




#38
Carbon Tetrachloride
Concen: 5.119 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

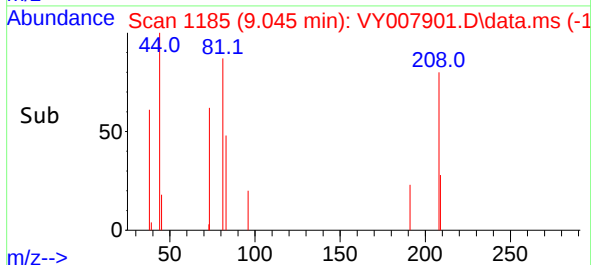
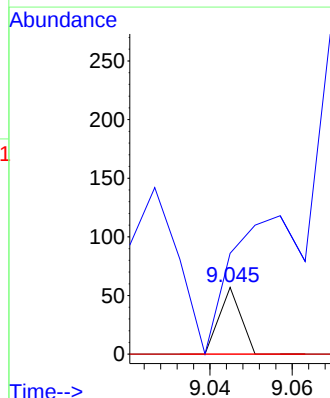
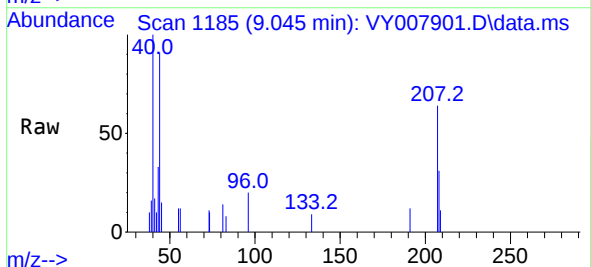
Instrument :
MSVOA_Y
ClientSampleId :
4PH-2-7.5-8

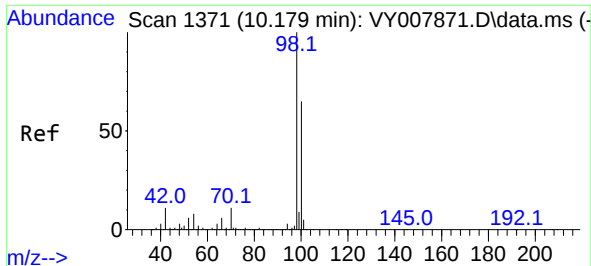
Tgt Ion:117 Resp: 29503
Ion Ratio Lower Upper
117 100
119 4.4 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.045 min Scan# 1185
Delta R.T. -0.140 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

Tgt Ion: 83 Resp: 21
Ion Ratio Lower Upper
83 100
55 8.8 66.5 99.7#
98 0.0 37.9 56.9#

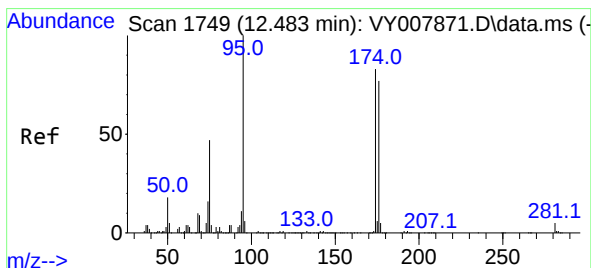
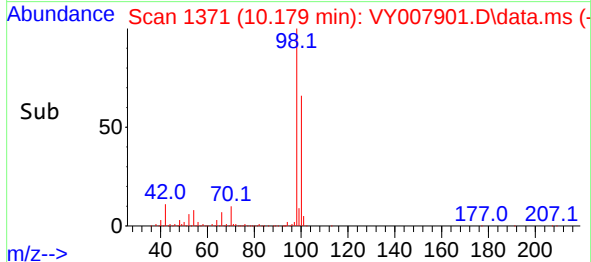
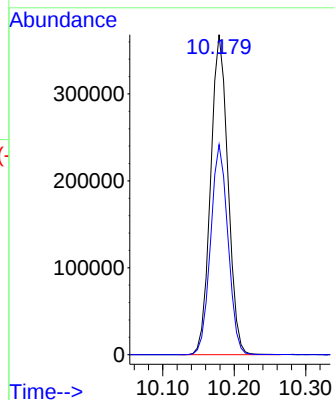
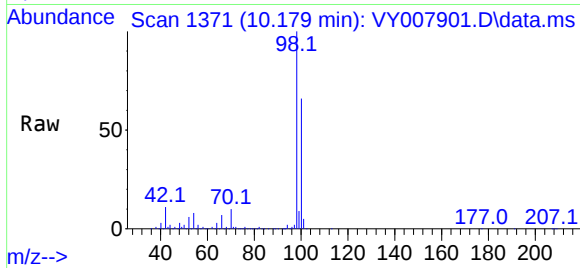




#50
Toluene-d8
Concen: 57.249 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

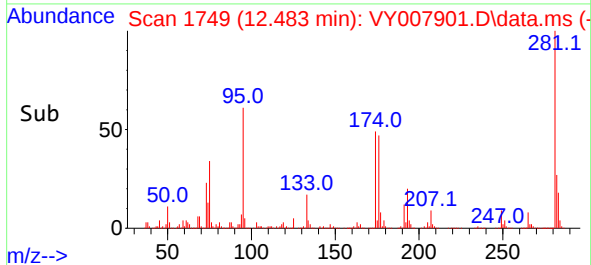
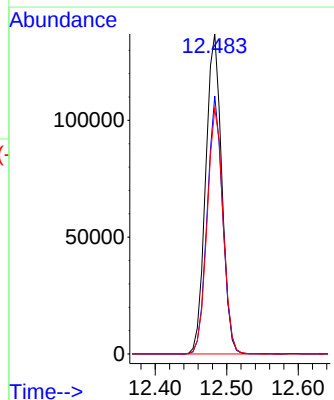
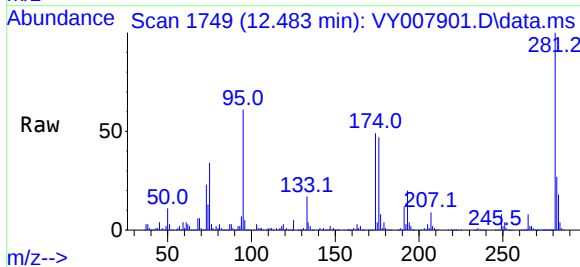
Instrument :
MSVOA_Y
ClientSampleId :
4PH-2-7.5-8

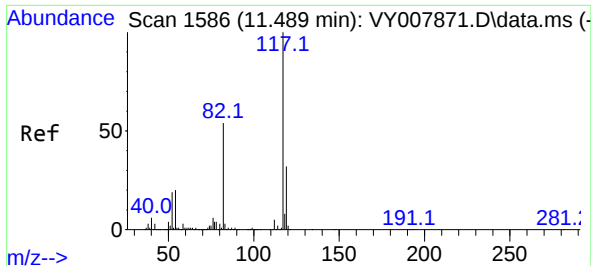
Tgt Ion: 98 Resp: 619163
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 41.002 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

Tgt Ion: 95 Resp: 213970
Ion Ratio Lower Upper
95 100
174 77.2 0.0 177.0
176 75.8 0.0 175.8

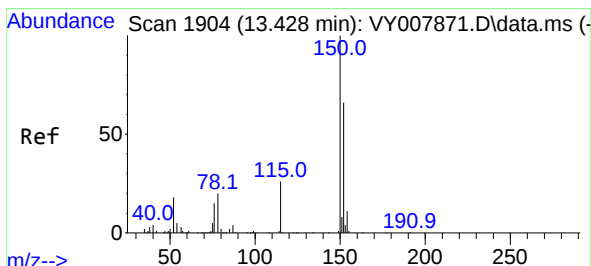
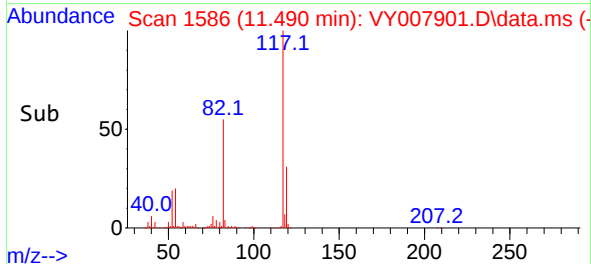
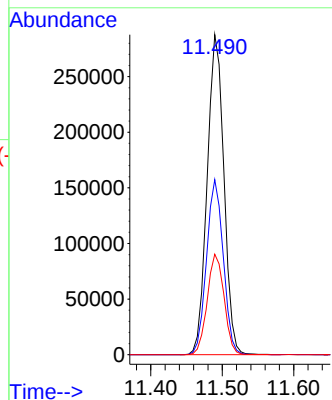
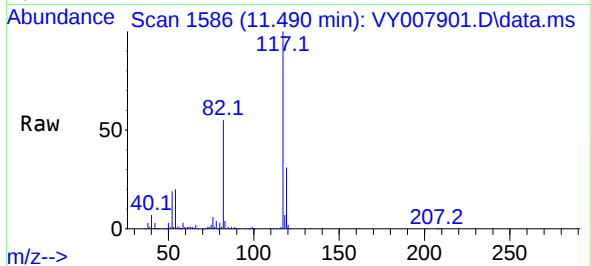




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

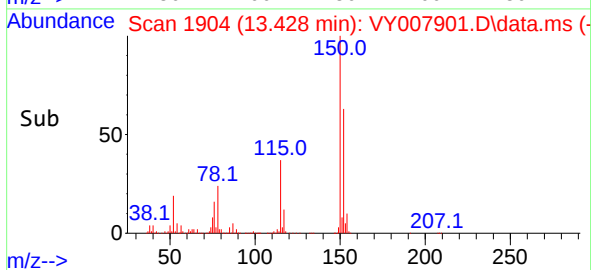
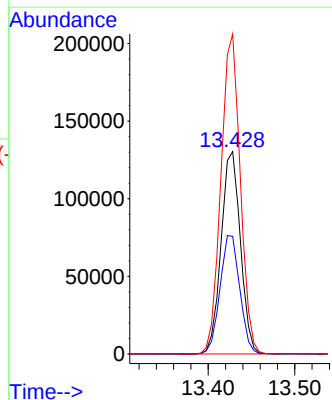
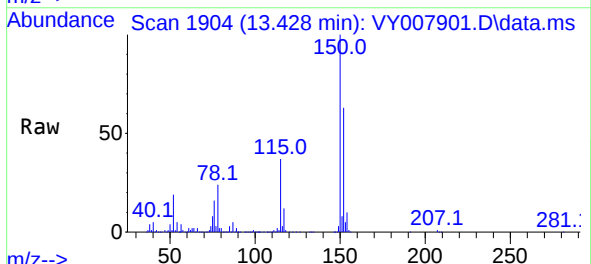
Instrument :
MSVOA_Y
ClientSampleId :
4PH-2-7.5-8

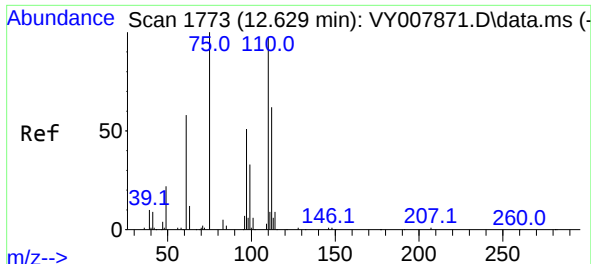
Tgt Ion:117 Resp: 468530
Ion Ratio Lower Upper
117 100
82 54.7 43.0 64.4
119 31.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

Tgt Ion:152 Resp: 202049
Ion Ratio Lower Upper
152 100
115 59.9 28.2 84.7
150 158.2 0.0 347.6

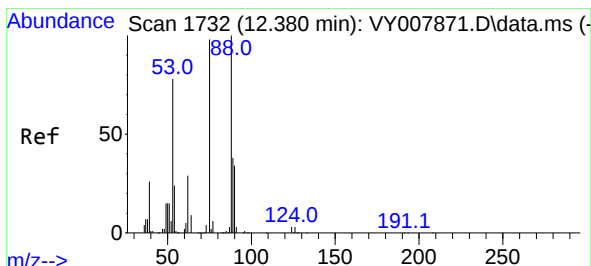
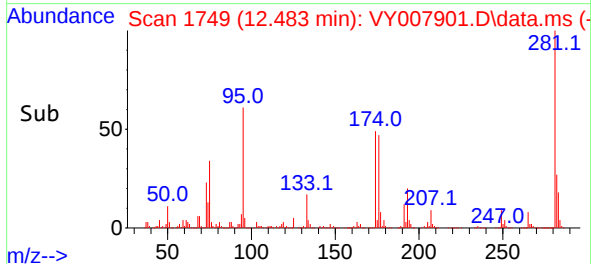
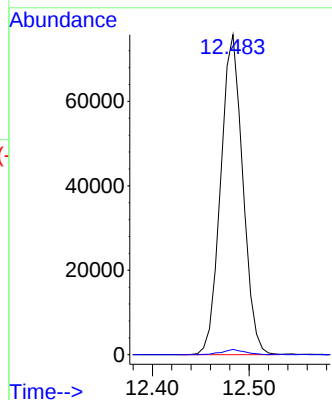
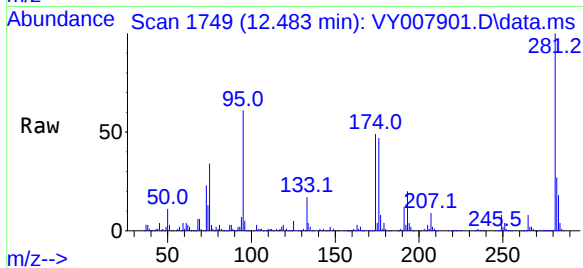




#76
1,2,3-Trichloropropane
Concen: 41.691 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

Instrument :
MSVOA_Y
ClientSampleId :
4PH-2-7.5-8

Tgt Ion: 75 Resp: 120066
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.569 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007901.D
Acq: 18 Mar 2022 14:47

Tgt Ion: 75 Resp: 120066
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 3.5 37.0 55.4#

