

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007975.D
 Acq On : 22 Mar 2022 00:43
 Operator : SY/MD
 Sample : N2021-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MHQ-SP

Quant Time: Mar 22 03:44:19 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	40799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	75702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	67295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	27139	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	28477	61.216	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.440%	
35) Dibromofluoromethane	7.716	113	23783	44.734	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.460%	
50) Toluene-d8	10.179	98	91799	58.142	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 116.280%	
62) 4-Bromofluorobenzene	12.477	95	31209	40.902	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.800%	

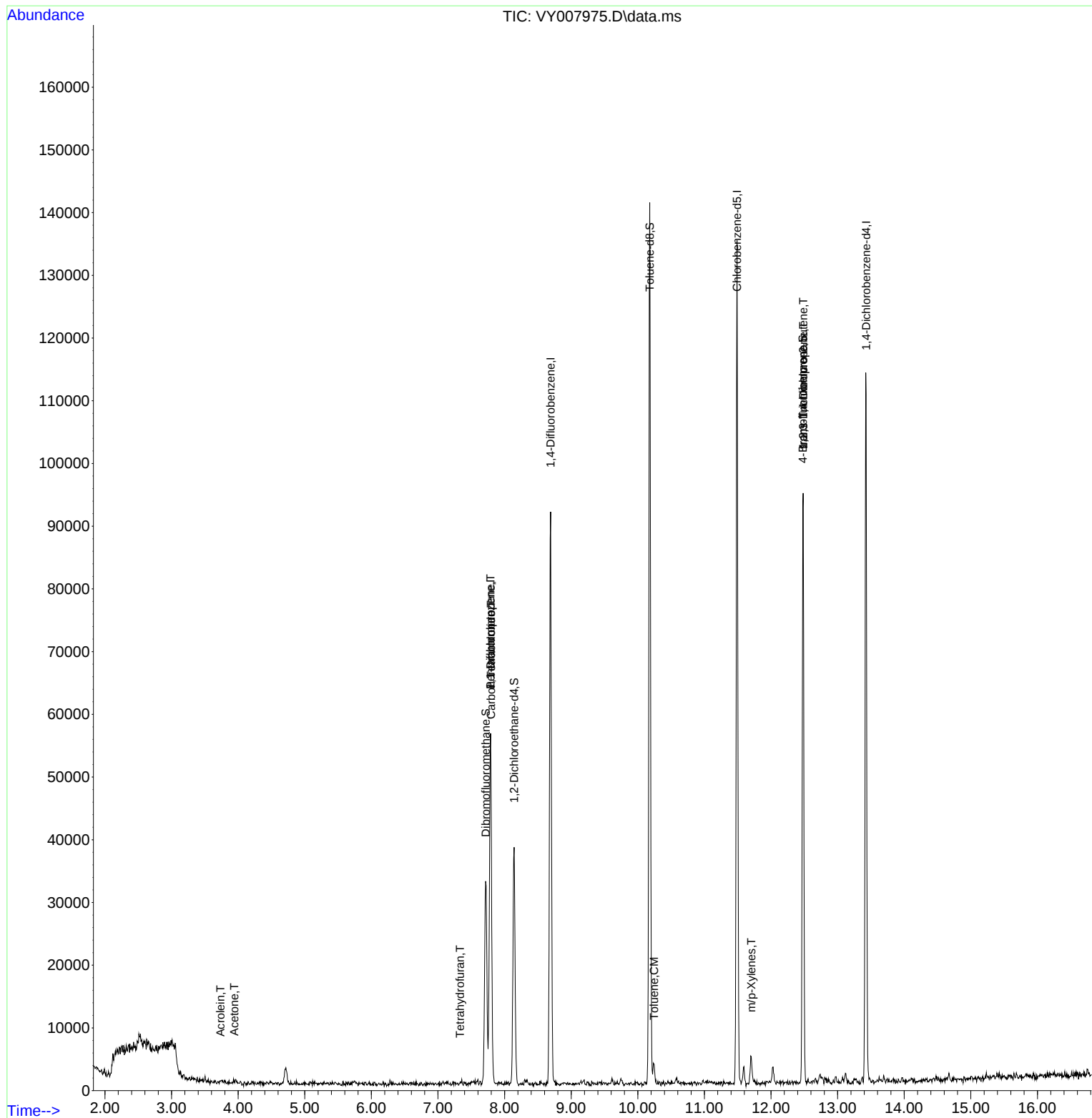
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.894	85	24	Below Cal	#	43
3) Chloromethane	2.119	50	444	Below Cal		93
4) Vinyl Chloride	2.247	62	494	Below Cal	#	43
5) Bromomethane	2.662	94	443	Below Cal	#	73
13) Acrolein	3.735	56	53	1.624	ug/l	94
16) Acetone	3.942	43	1070	8.671	ug/l	96
18) Methyl Acetate	4.479	43	211	Below Cal	#	56
20) Methylene Chloride	4.716	84	1822	Below Cal	#	53
29) Tetrahydrofuran	7.332	42	271	2.140	ug/l #	44
31) Cyclohexane	7.783	56	1072	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	3867	4.904	ug/l #	48
38) Carbon Tetrachloride	7.795	117	4442	5.272	ug/l #	14
39) Methylcyclohexane	9.179	83	47	Below Cal	#	1
52) Toluene	10.246	92	1566	1.058	ug/l	85
68) m/p-Xylenes	11.703	106	1560	1.393	ug/l	82
76) 1,2,3-Trichloropropane	12.483	75	17290	44.698	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	17290	93.883	ug/l #	7

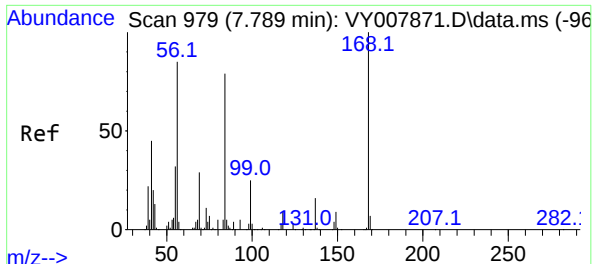
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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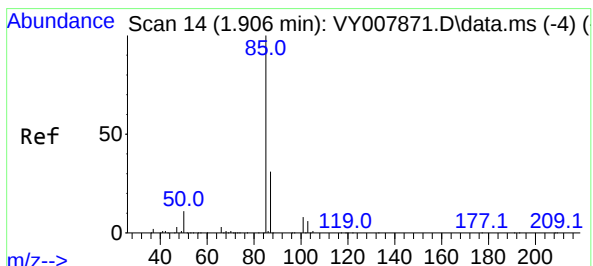
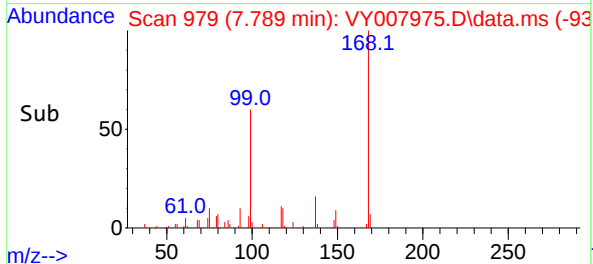
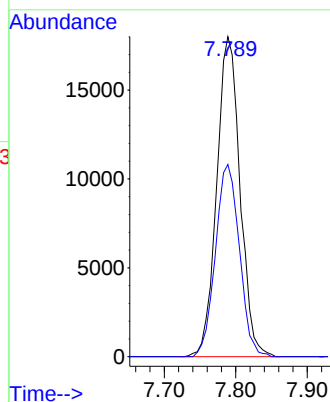
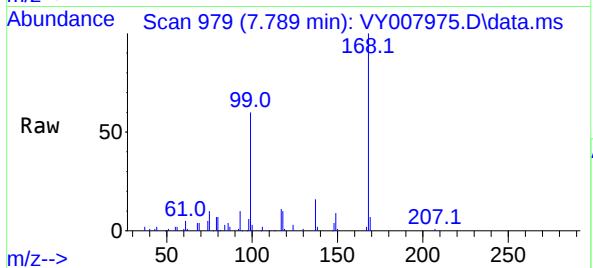




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

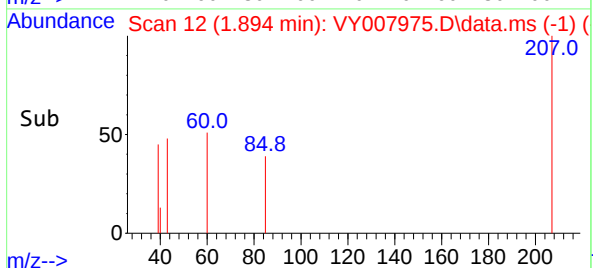
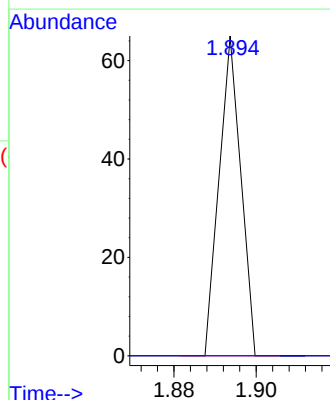
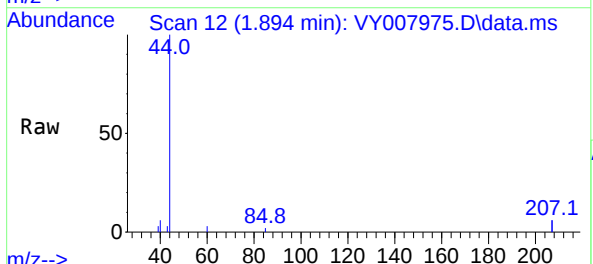
Instrument :
MSVOA_Y
ClientSampleId :
MHQ-SP

Tgt Ion:168 Resp: 40799
Ion Ratio Lower Upper
168 100
99 60.1 46.9 70.3

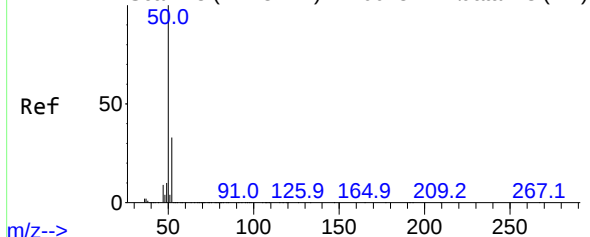


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.012 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

Tgt Ion: 85 Resp: 24
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: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY007975.D

Acq: 22 Mar 2022 00:43

Instrument :

MSVOA_Y

ClientSampleId :

MHQ-SP

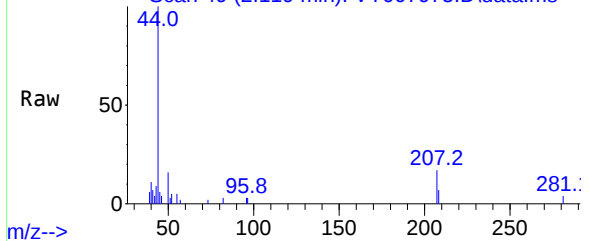
Tgt Ion: 50 Resp: 444

Ion Ratio Lower Upper

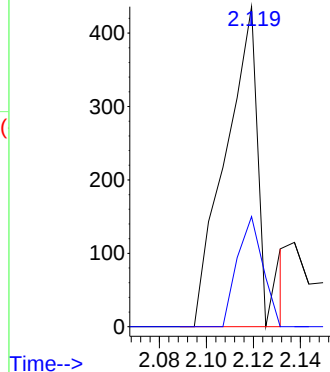
50 100

52 34.4 24.6 37.0

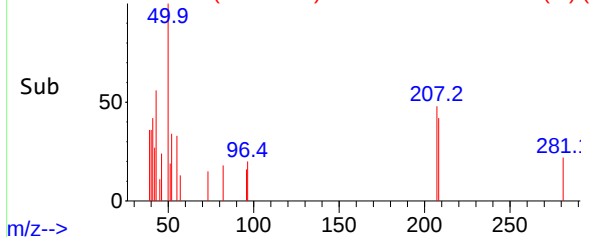
Abundance Scan 49 (2.119 min): VY007975.D\data.ms



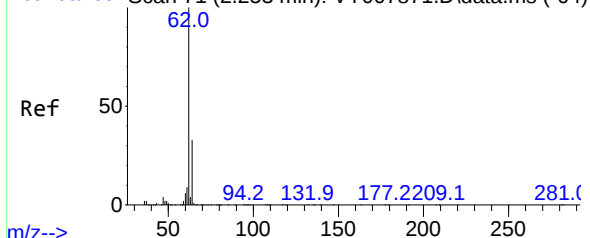
Abundance



Abundance Scan 49 (2.119 min): VY007975.D\data.ms (-1)



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



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.247 min Scan# 70

Delta R.T. -0.006 min

Lab File: VY007975.D

Acq: 22 Mar 2022 00:43

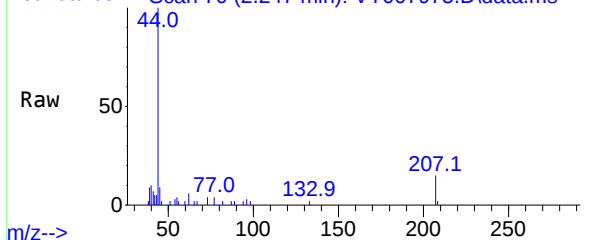
Tgt Ion: 62 Resp: 494

Ion Ratio Lower Upper

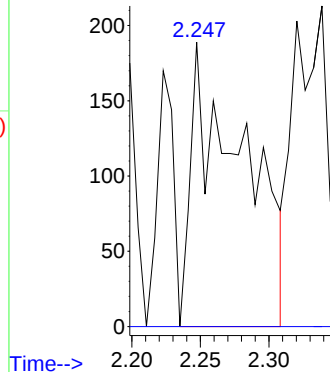
62 100

64 0.0 25.0 37.6#

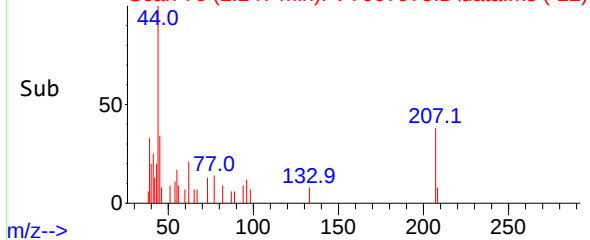
Abundance Scan 70 (2.247 min): VY007975.D\data.ms

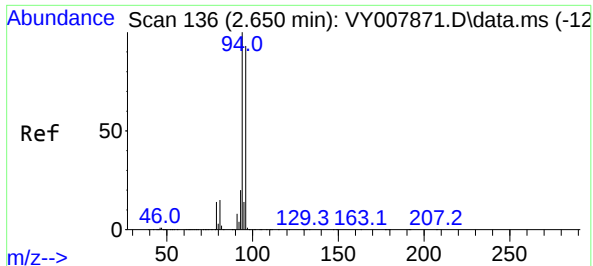


Abundance



Abundance Scan 70 (2.247 min): VY007975.D\data.ms (-22)

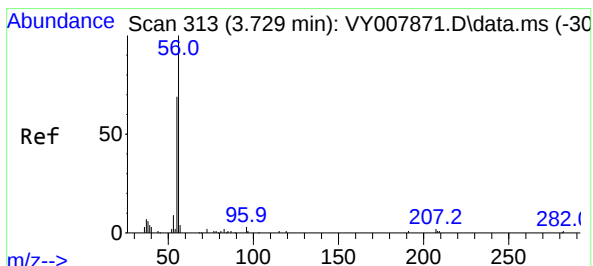
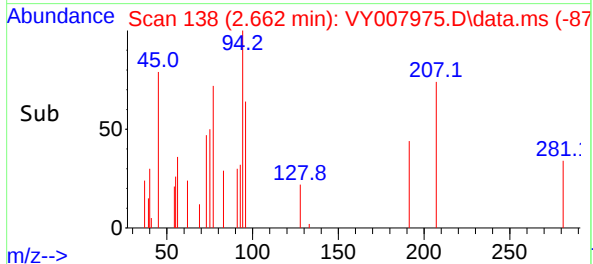
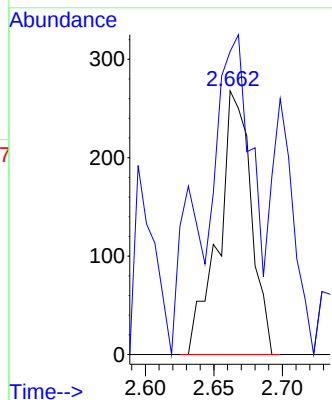
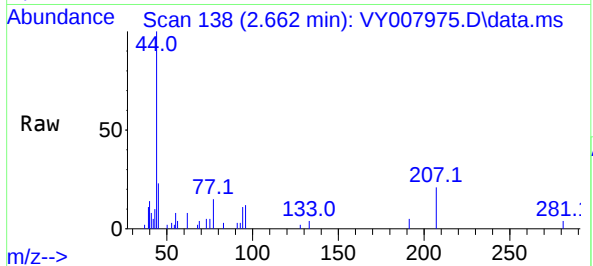




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

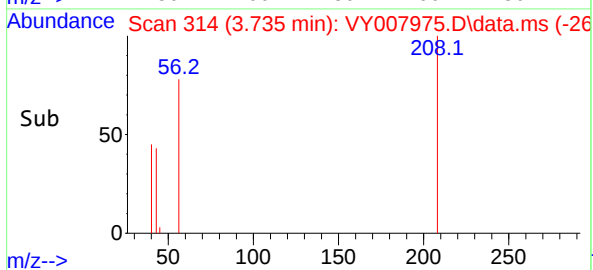
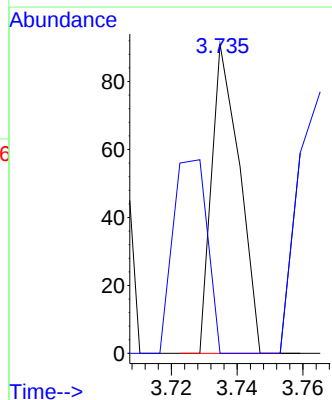
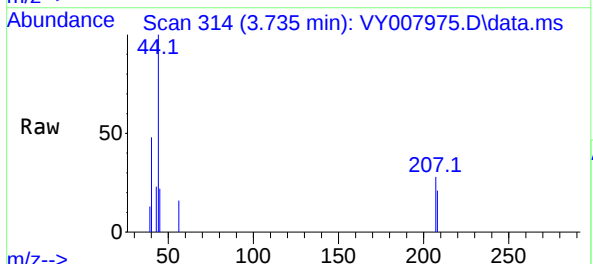
Instrument :
MSVOA_Y
ClientSampleId :
MHQ-SP

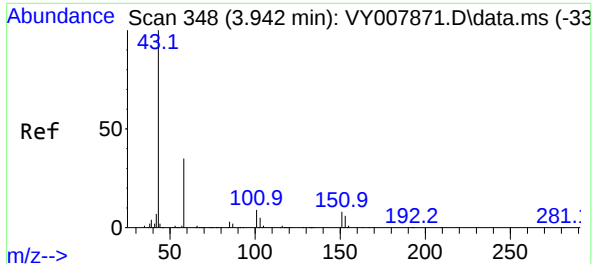
Tgt Ion: 94 Resp: 443
Ion Ratio Lower Upper
94 100
96 66.4 73.5 110.3#



#13
Acrolein
Concen: 1.624 ug/l
RT: 3.735 min Scan# 314
Delta R.T. 0.006 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 77.4 57.6 86.4

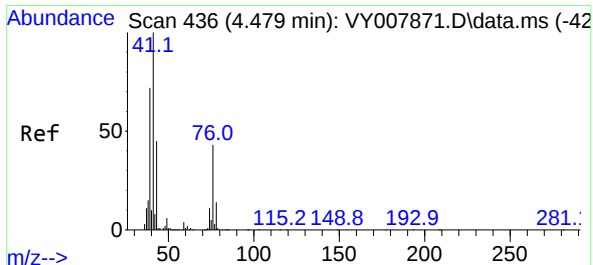
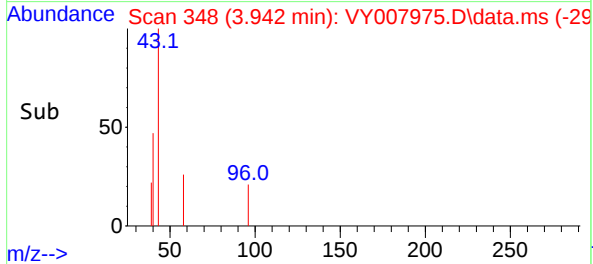
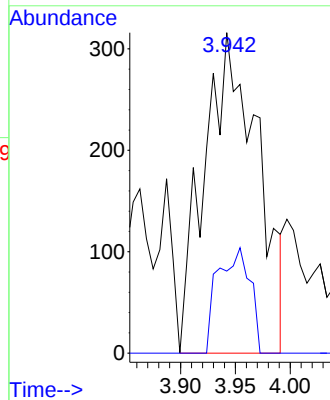
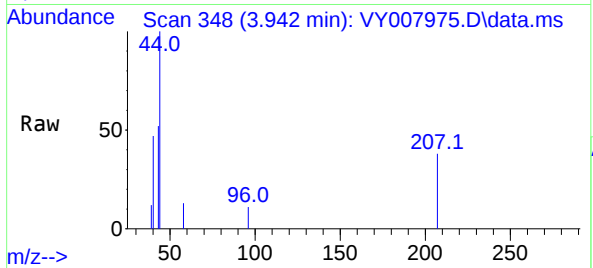




#16
Acetone
Concen: 8.671 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

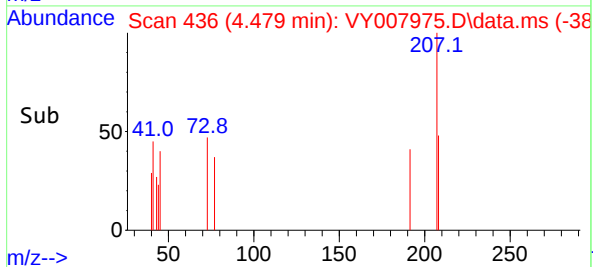
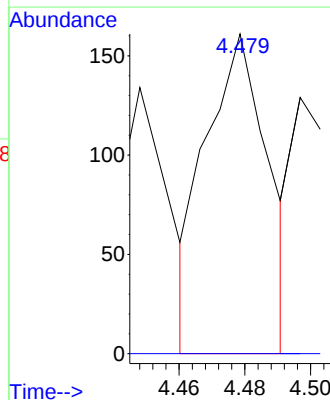
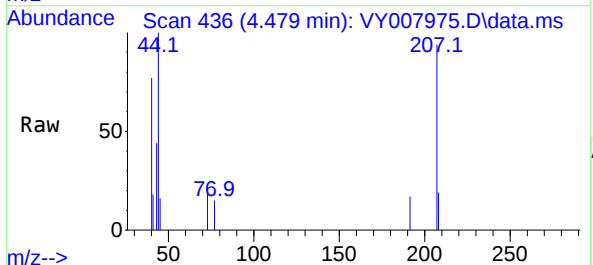
Instrument :
MSVOA_Y
ClientSampleId :
MHQ-SP

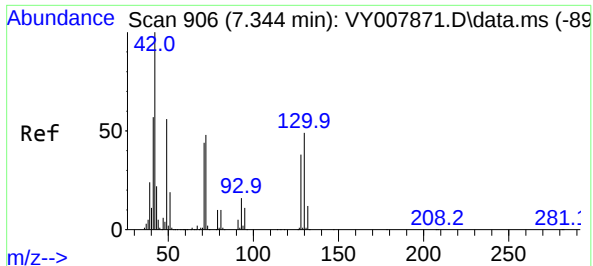
Tgt Ion: 43 Resp: 1070
Ion Ratio Lower Upper
43 100
58 25.6 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

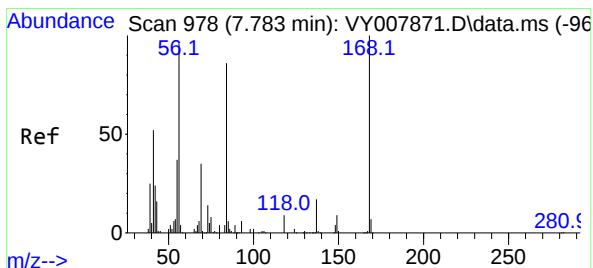
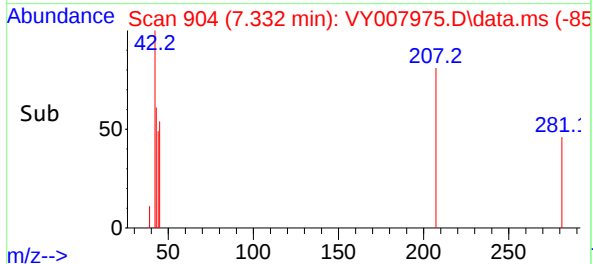
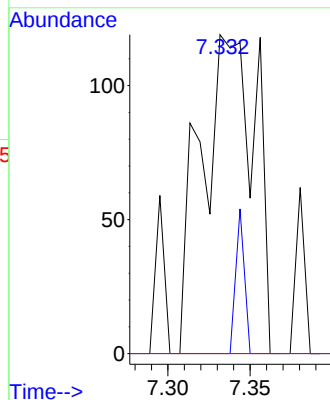
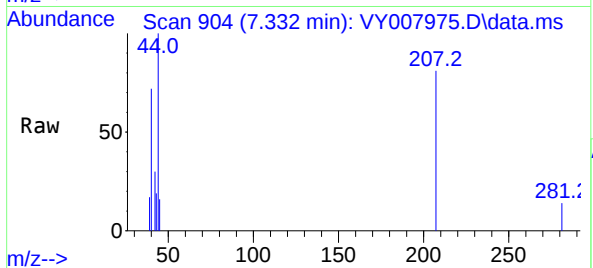




#29
Tetrahydrofuran
Concen: 2.140 ug/l
RT: 7.332 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

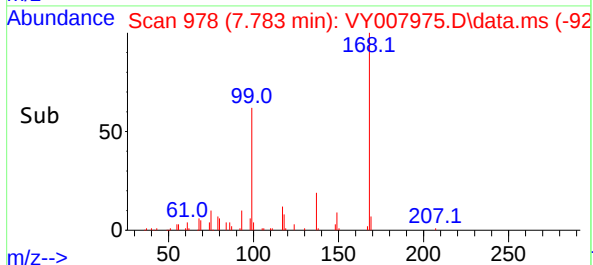
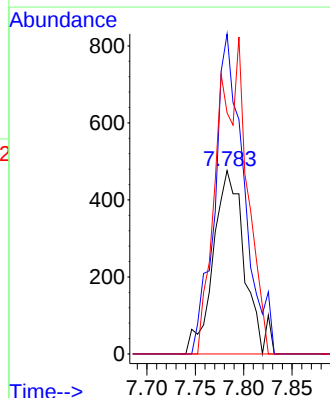
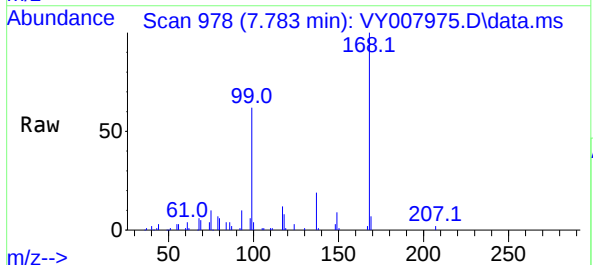
Instrument :
MSVOA_Y
ClientSampleId :
MHQ-SP

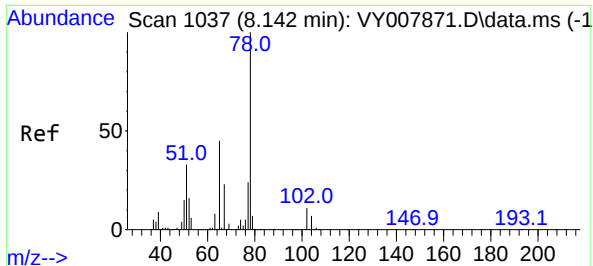
Tgt Ion:	42	Resp:	271
Ion	Ratio	Lower	Upper
42	100		
72	7.4	30.3	45.5#
71	0.0	29.0	43.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

Tgt Ion:	56	Resp:	1072
Ion	Ratio	Lower	Upper
56	100		
69	174.6	26.7	40.1#
84	131.5	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.216 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY007975.D

Acq: 22 Mar 2022 00:43

Instrument :

MSVOA_Y

ClientSampleId :

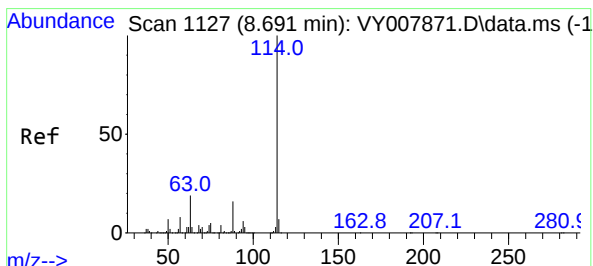
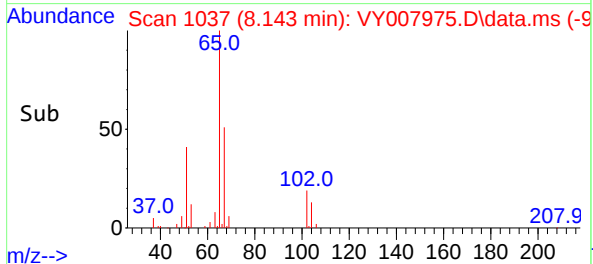
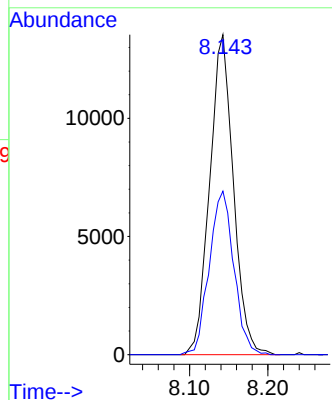
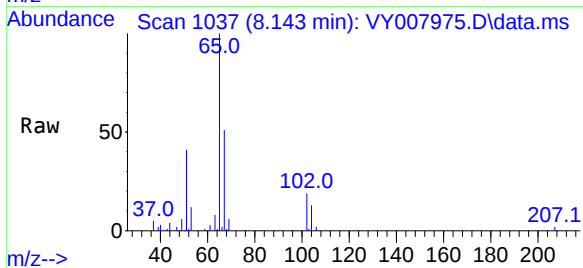
MHQ-SP

Tgt Ion: 65 Resp: 28477

Ion Ratio Lower Upper

65 100

67 53.0 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: VY007975.D

Acq: 22 Mar 2022 00:43

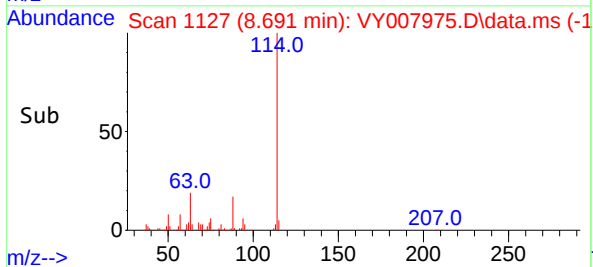
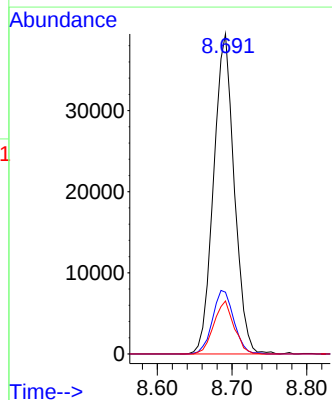
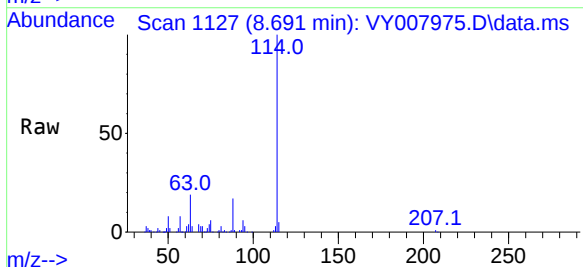
Tgt Ion:114 Resp: 75702

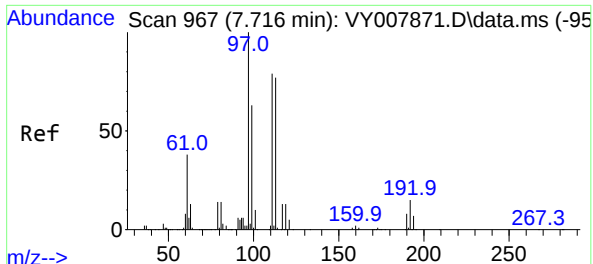
Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 16.6 0.0 31.8

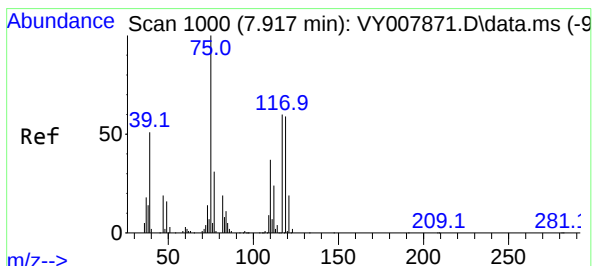
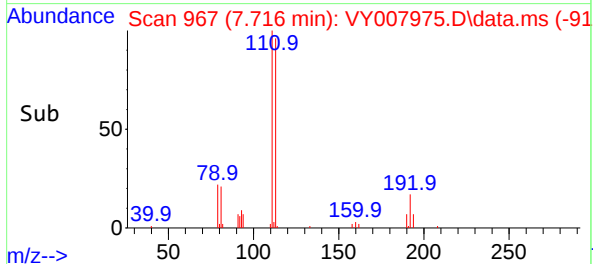
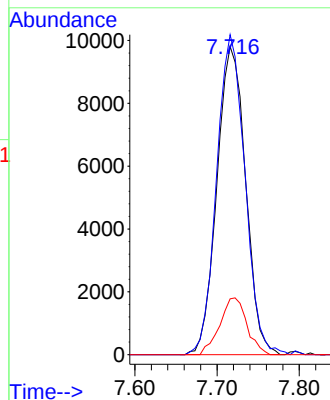
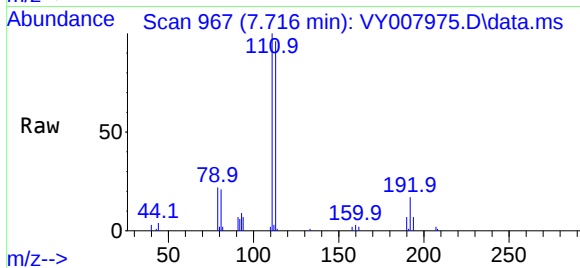




#35
Dibromofluoromethane
Concen: 44.734 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

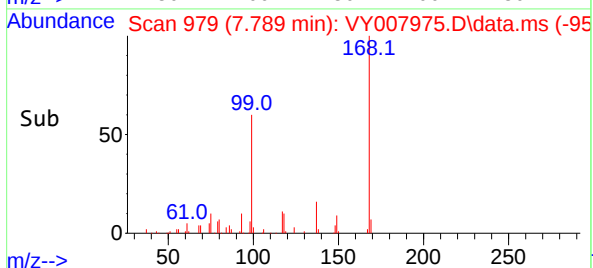
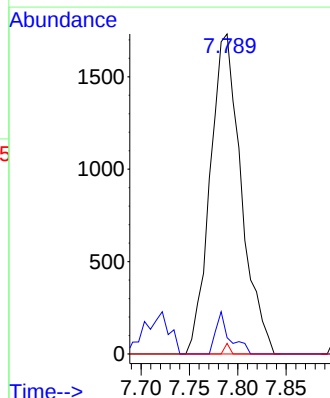
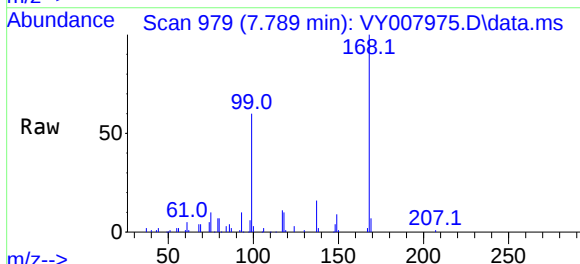
Instrument :
MSVOA_Y
ClientSampleId :
MHQ-SP

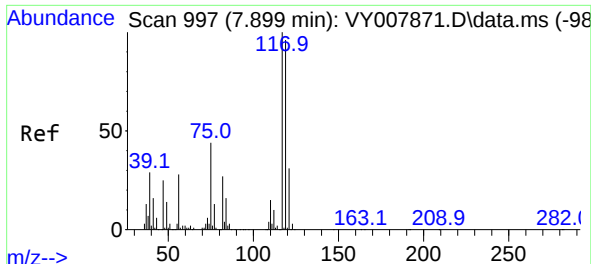
Tgt Ion:113 Resp: 23783
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 17.4 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.904 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

Tgt Ion: 75 Resp: 3867
Ion Ratio Lower Upper
75 100
110 5.8 17.1 51.2#
77 0.5 24.4 36.6#

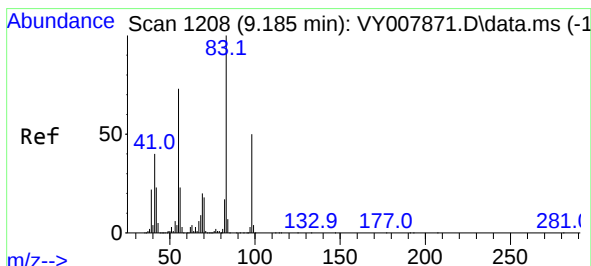
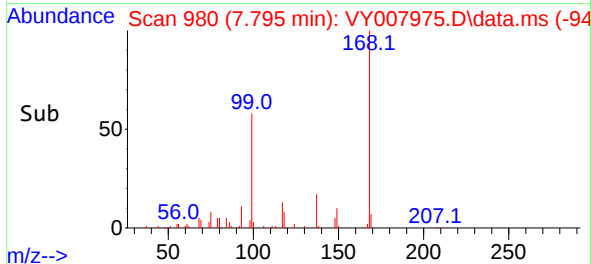
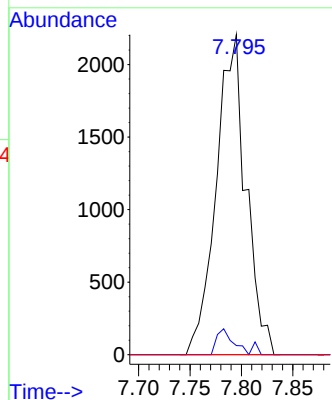
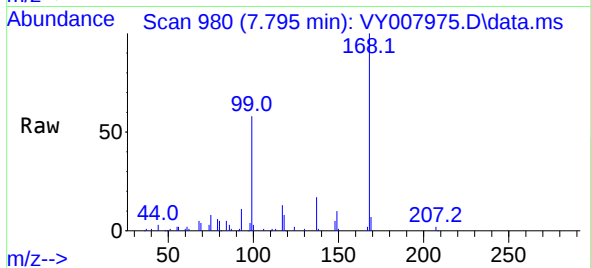




#38
Carbon Tetrachloride
Concen: 5.272 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

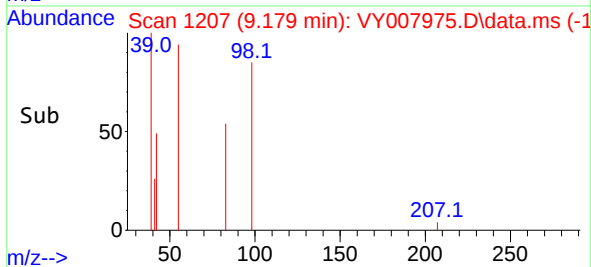
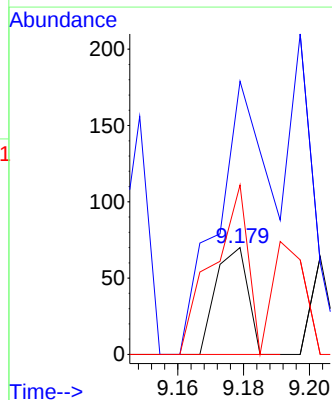
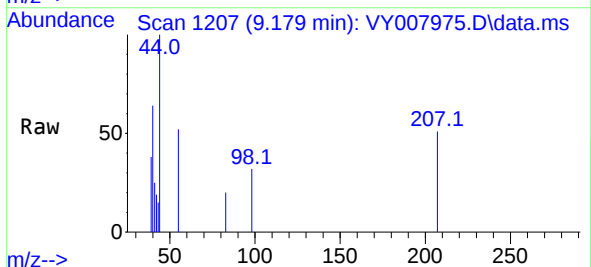
Instrument :
MSVOA_Y
ClientSampleId :
MHQ-SP

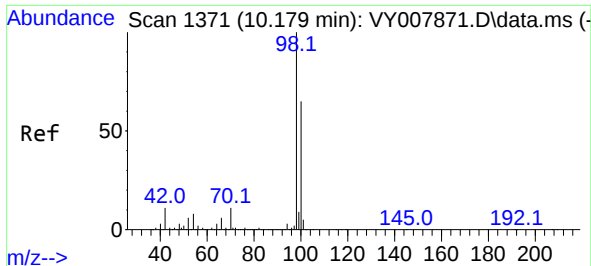
Tgt Ion:117 Resp: 4442
Ion Ratio Lower Upper
117 100
119 2.9 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

Tgt Ion: 83 Resp: 47
Ion Ratio Lower Upper
83 100
55 255.7 66.5 99.7#
98 158.6 37.9 56.9#

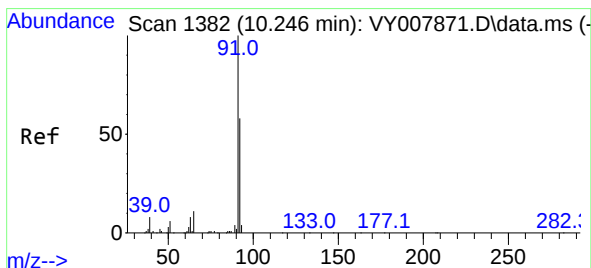
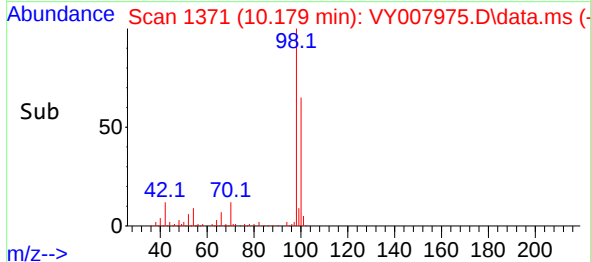
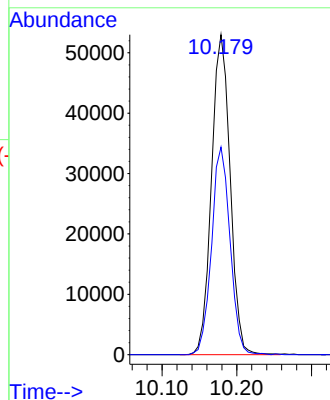
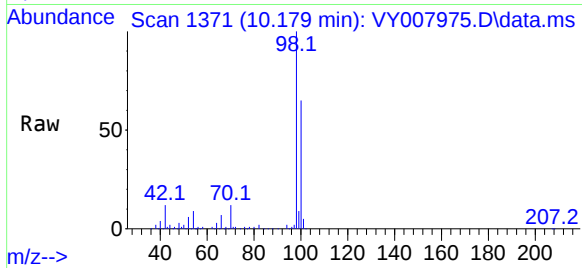




#50
Toluene-d8
Concen: 58.142 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

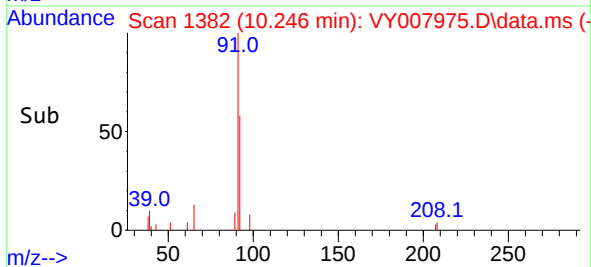
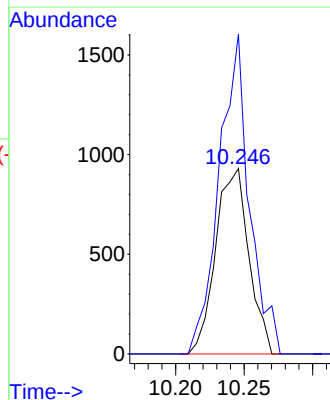
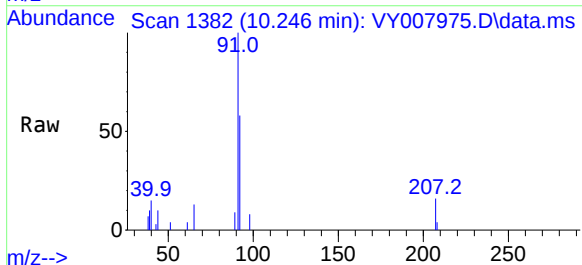
Instrument :
MSVOA_Y
ClientSampleId :
MHQ-SP

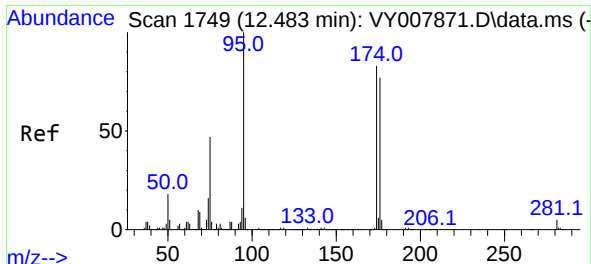
Tgt Ion: 98 Resp: 91799
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#52
Toluene
Concen: 1.058 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

Tgt Ion: 92 Resp: 1566
Ion Ratio Lower Upper
92 100
91 157.0 142.6 213.8

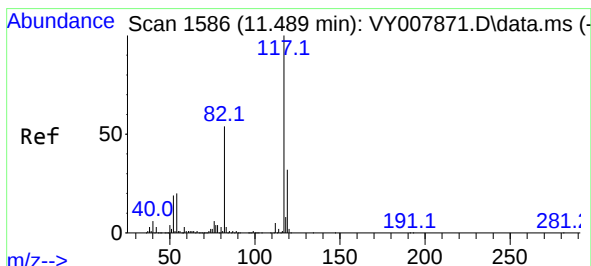
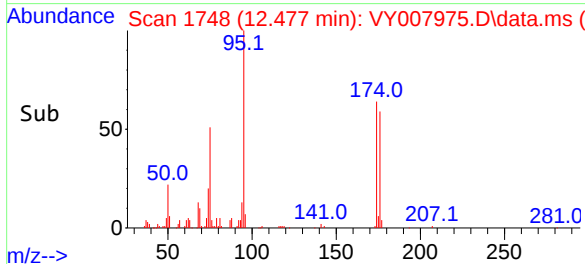
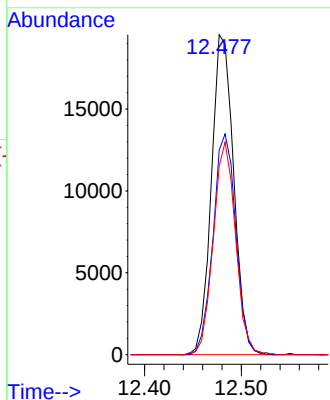
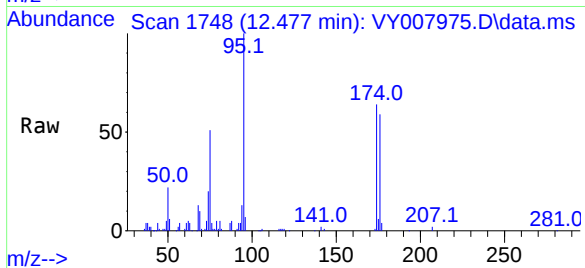




#62
4-Bromofluorobenzene
Concen: 40.902 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

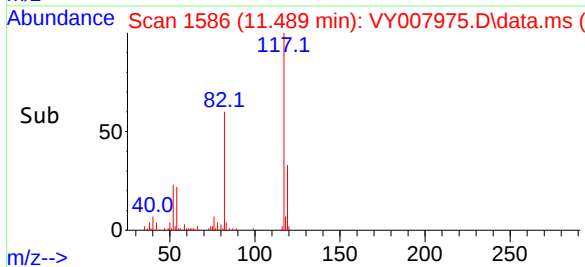
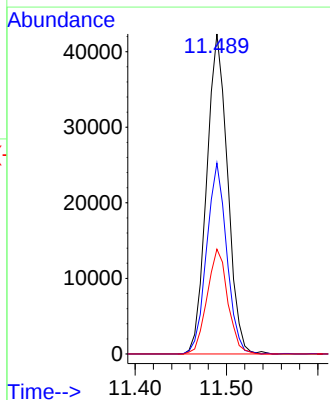
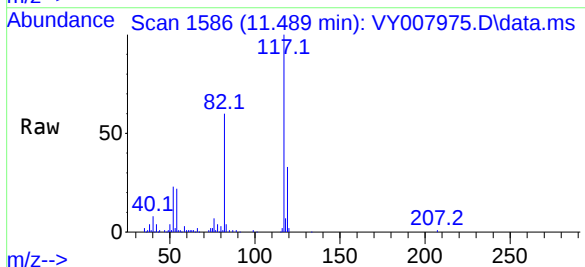
Instrument :
MSVOA_Y
ClientSampleId :
MHQ-SP

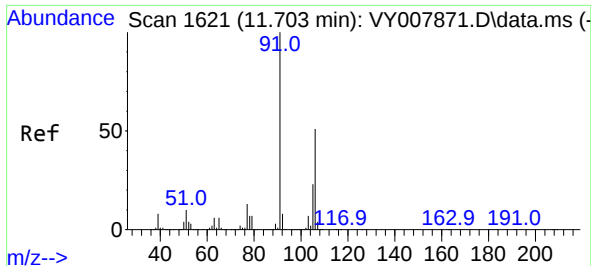
Tgt Ion: 95 Resp: 31209
Ion Ratio Lower Upper
95 100
174 70.7 0.0 177.0
176 66.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

Tgt Ion: 117 Resp: 67295
Ion Ratio Lower Upper
117 100
82 59.6 43.0 64.4
119 32.7 25.4 38.0

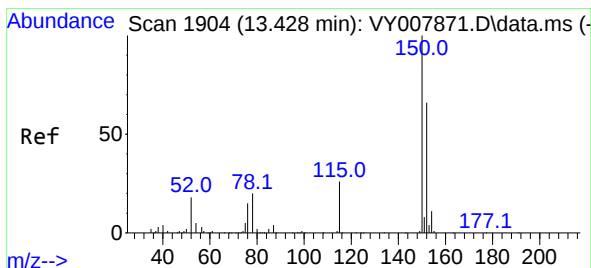
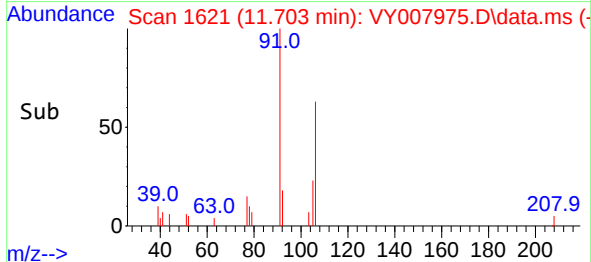
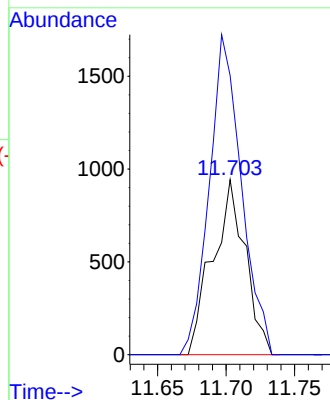
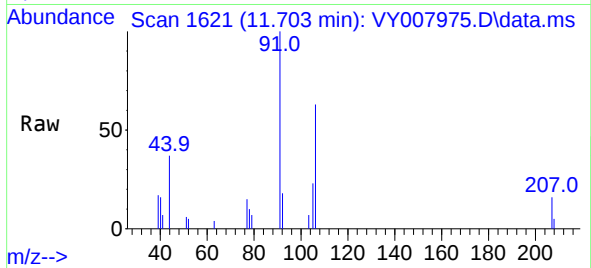




#68
m/p-Xylenes
Concen: 1.393 ug/l
RT: 11.703 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

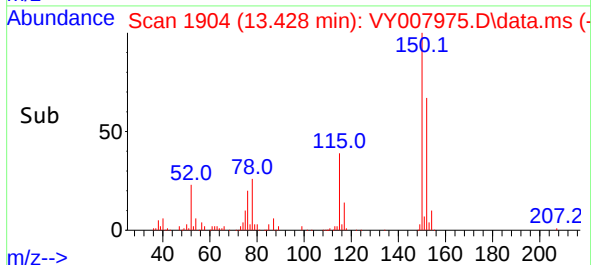
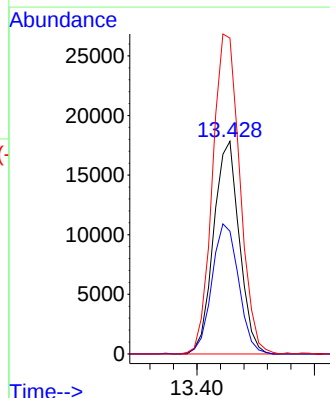
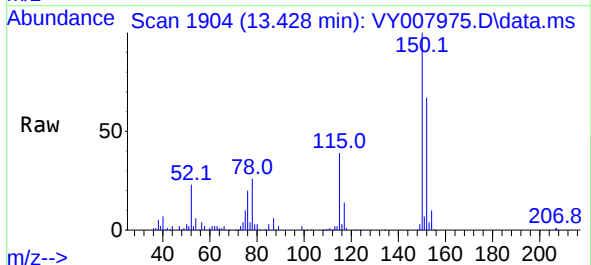
Instrument :
MSVOA_Y
ClientSampleId :
MHQ-SP

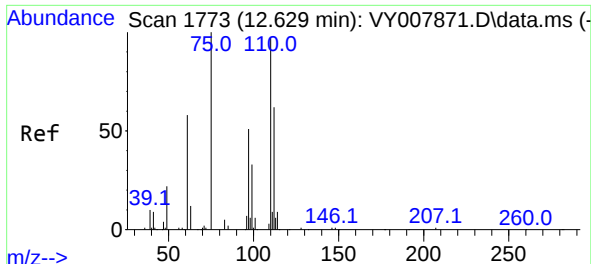
Tgt Ion:106 Resp: 1560
Ion Ratio Lower Upper
106 100
91 180.1 166.6 249.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

Tgt Ion:152 Resp: 27139
Ion Ratio Lower Upper
152 100
115 63.7 28.2 84.7
150 159.8 0.0 347.6

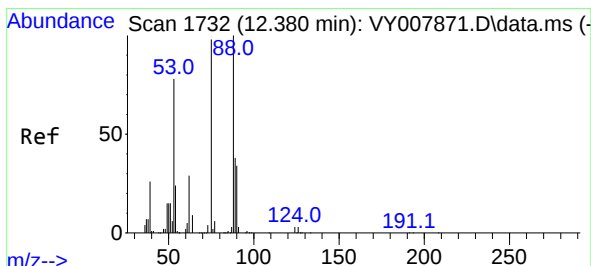
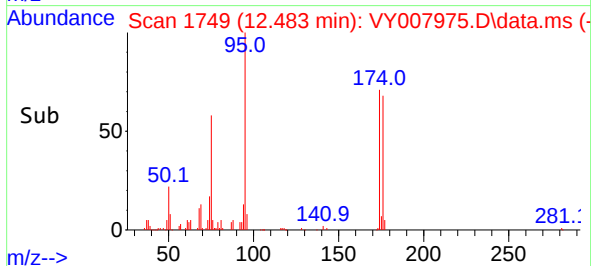
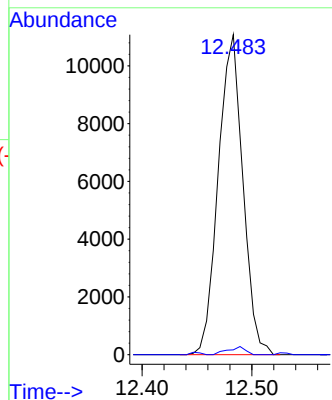
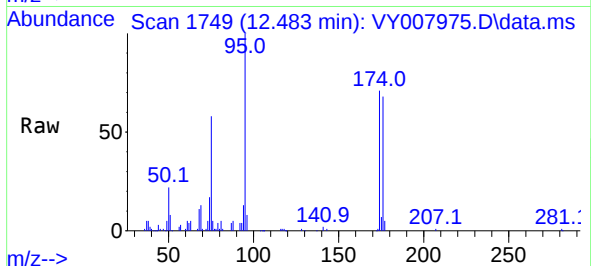




#76
1,2,3-Trichloropropane
Concen: 44.698 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

Instrument :
MSVOA_Y
ClientSampleId :
MHQ-SP

Tgt Ion: 75 Resp: 17290
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.883 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007975.D
Acq: 22 Mar 2022 00:43

Tgt Ion: 75 Resp: 17290
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

